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[Decisions of the Court of Appeals of the District of Columbia are indicated by the letter (°); and of the Supreme Court of the United States by one star (*).]

ERRATA.

1,628,226, page 489, in the heading, assignment, line 2, for "administrator" read *executor*.

1,628,672, page 646, in the heading, after residence of inventors, insert *assignor, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y., a Corporation of Delaware.*

1,628,672, page 646, in the heading, assignment, name of assignee, for "Handy & Harmen" read *Handy & Harman.*

1,628,851, page 683, in the heading, assignment, for "one-fourth to William Mode Taylor" read *one-half to William Mode Taylor.*

Published Trade-Marks, Serial No. 244,965, page 297, line 2, in the heading, name of applicant, strike out "Burton R. Charles, doing business as Charles Radium Laboratories, Los Angeles, Calif. Filed Feb. 28, 1927," and insert *George J. Weinstein, doing business as George J. Weinstein Co., Cleveland, Ohio. Filed Feb. 26, 1927*

Patents Nos. 1,626,589 to 1,627,546.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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Issue of May 3, 1927.

Trade-Marks	302—No.	227,172 to No.	227,473, inclusive.
T. M. Renewals	94		
Labels	20—No.	32,025 to No.	32,044, inclusive.
Prints	25—No.	9,790 to No.	9,814, inclusive.
Reissues	10—No.	16,607 to No.	16,616, inclusive.
Designs	44—No.	72,539 to No.	72,582, inclusive.
Patents	958—No.	1,626,589 to No.	1,627,546, inclusive.
Total	1,453		

ADJUDICATED PATENTS.

(D. C. N. Y.) The Darnall patent, No. 1,007,647, for process of purifying water, claims 1, 2, and 4 *Held* valid and infringed. *Wallace & Tiernan Co.* v. *Village of Le Roy*, 17 F. (2d) 593.

(D. C. Minn.) The Klima patent, No. 50,624, for design for barn ventilator, *Held* invalid. *King Ventilating Co.* v. *St. James Ventilating Co.*, 17 F. (2d) 615.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,541,773, F. W. Stewart, Means for locking automobiles against theft, decided April 18, 1927, claims 16 and 20.

Pat. 1,556,130, O. Schriever, Circuit arrangement for wireless signaling, decided March 11, 1927, claims 1, 6, 7, and 8.

Pat. 1,567,035, H. C. Carr, Harrow tooth, decided April 15, 1927, claims 8, 9, and 10.

Final decision in interference has been rendered against the following trade-mark:

T. M. 195,466, Laundry net, Tingue, Brown & Co., New York, N. Y. Registered February 24, 1925. Decided March 24, 1927.

Interference Defined.

RULE 93. An interference is a proceeding instituted for the purpose of determining the question of priority of invention between two or more parties claiming substantially the same patentable invention. In order to ascertain whether any question of priority arises the Commissioner may call upon any junior applicant to state in writing the date when he conceived the invention under consideration. All statements filed in compliance with this rule will be returned to the parties filing them. In case the applicant makes no reply within the time specified, not less than ten days, the Commissioner will proceed upon the assumption that the said date is the date of the oath attached to the application. The fact that one of the parties has already obtained a patent will not prevent an interference, for, although the Commissioner has no power to cancel a patent, he may grant another patent for the same invention to a person who proves to be the prior inventor.

TIME LIMITS FOR ACTIONS.

Completing applications ..... 6 mos.

Responding to official actions:

If dated prior to May 2, 1927 ..... 1 yr.

If dated on or after May 2, 1927 ..... 6 mos.

Renewal of applications:

If allowed prior to May 2, 1927 ..... 2 yrs.

If allowed on or after May 2, 1927 ..... 1 yr.

(See act of March 2, 1927, 357 O. G. 5.)

This act affects all applications pending before this Office, irrespective of their filing dates.

1550

Condition of Applications Under Examination at Close of Business April 22, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 50,077; Trade-Mark Division, 1,944. Oldest new case, Aug. 30, 1926; oldest amended, Aug. 31, 1926. The dates given are 1926 except where † indicates 1927.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application awaiting office action: New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	†Feb. 19	†Feb. 23	501
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 3	†Jan. 12	730
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec. 1	Dec. 10	1,800
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Nov. 4	Nov. 10	1,471
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Nov. 5	Nov. 12	974
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Sept. 9	Sept. 9	1,585
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Nov. 16	Nov. 17	1,188
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 13	Dec. 20	1,631
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 27	†Jan. 27	317
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Dec. 13	Dec. 13	1,147
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	†Jan. 6	†Jan. 6	940
380	12. PIERCE, P. P., Machine Elements	Nov. 26	Dec. 3	1,149
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 23	Dec. 10	1,242
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Nov. 4	Nov. 11	1,165
320	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Dec. 16	Dec. 20	1,318
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Dec. 22	†Jan. 19	712
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 25	Nov. 1	726
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct 9	Oct. 15	986
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Jan. 14	†Jan. 14	757
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Dec. 14	Dec. 17	966
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Nov. 23	Nov. 24	957
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 23	Oct. 25	821
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Oct. 25	Dec. 11	671
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 27	Oct. 1	1,039
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 1	Nov. 29	1,252
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 22	Nov. 11	901
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Jan. 3	†Jan. 7	857
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 15	†Jan. 5	1,164
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 19	Nov. 29	1,147
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Dec. 1	†Jan. 27	900
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Nov. 26	Dec. 3	1,604
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Dec. 10	Dec. 20	870
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Jan. 10	†Jan. 13	1,197
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Nov. 6	Nov. 5	750
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 13	†Feb. 11	753
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	†Jan. 29	†Jan. 31	856
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 22	Dec. 1	1,389
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Nov. 6	Nov. 3	1,074
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Feb. 1	†Feb. 15	459
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Dec. 6	Dec. 14	1,774
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 18	†Jan. 5	715
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Nov. 6	Nov. 4	1,538
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Jan. 5	†Jan. 10	888
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 4	Nov. 17	1,130
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Dec. 30	Dec. 28	899
233	46. WOLCOTT, O. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Nov. 30	Nov. 22	943
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 18	Dec. 15	1,345
213*	48. ROEPKE, O. B., Electricity, General Applications	Nov. 13	Nov. 6	1,008
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Oct. 27	Nov. 12	982
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Jan. 3	†Jan. 8	1,390
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Oct. 30	Oct. 27	1,273
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Dec. 6	Dec. 11	1,215
309	53. PECK, M. K., Books; Manifolding; Printed Matter, Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 3	Dec. 30	971
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	Aug. 30	Aug. 31	1,771
102	55. RICHARD, V. I. (Acting)—{Bread, Pastry, and Confection Making; Cutlery	Nov. 11	Nov. 23	540
	{Designs	†Mar. 16	†Apr. 7	569
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Mar. 25	†Mar. 28	1,709
	{Labels and Prints	†Apr. 9	†Apr. 11	175

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

FEKETE AND ESSEX MOTORS *v.* ROBERTSON, COMMISSIONER OF PATENTS OF THE UNITED STATES.

No. 4,489. Decided January 5, 1927.

1. BILL IN EQUITY UNDER SECTION 4915, REVISED STATUTES—TO OBTAIN A PATENT ON AN APPLICATION WHICH HAS BECOME ABANDONED BY FAILURE TO APPEAL.

Where F.'s application stood finally rejected when W.'s application for the same invention was filed, and F. did not appeal but W.'s claim was allowed on appeal to the Examiners in Chief after F.'s application became abandoned, a bill in equity to obtain a patent under section 4915, Revised Statutes, filed by F. in the Supreme Court of the District of Columbia after the grant of W.'s patent, was properly dismissed.

2. SAME—APPLICANT MUST FIRST PROSECUTE AN APPEAL TO THE COURT OF APPEALS OF THE DISTRICT OF COLUMBIA.

When section 4915, Revised Statutes, was enacted, there was no appeal from the decisions of the Commissioner in interference proceedings, and therefore a defeated party might have remedy by bill in equity when a patent was refused him by the Commissioner; but under the act of 1893, creating the Court of Appeals of the District of Columbia, appeals were allowed from the decisions of the Commissioner in interference proceedings, and since then it has been incumbent upon an applicant for patent, before taking advantage of the provisions of section 4915, Revised Statutes, to prosecute an appeal to that court.

3. INTERFERENCE—ISSUE MUST HAVE BEEN DECIDED TO BE PATENTABLE BEFORE DECLARATION.

Before the declaration of an interference the invention which is to form the subject of the controversy must have been decided to be patentable.

Messrs. Macleod, Calver, Copeland, and *Dike* for Fekete (*Mr. George P. Dike* and *Mr. Elver J. Gray* of counsel).

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and HATFIELD, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decree in the Supreme Court of the District of Columbia dismissing appellant's bill for a patent, filed under section 4915, Revised Statutes.

The material facts are as follows: On January 27, 1921, appellant filed his application in the Patent Office. The claims were rejected by the Examiner on April 8, 1921. An amendment was filed, resulting in a second rejection on June 12, 1922. The application therefore became abandoned one year from that date. A petition to revive was filed in the Patent Office on November 24, 1924, under section 4894, Revised Statutes, which requires a showing "to the satisfaction of the Commissioner of Patents that such delay (in the prosecution of the claim) was unavoidable."

[1] The basis for the application to revive was that before appellant's application became abandoned a man named Widman filed an application in the Patent Office for the same invention, and when that application finally was rejected by the Examiner on January 18, 1924, an appeal was taken to the Examiners in Chief, who overruled the Examiner. Thereupon a patent was issued to Widman on September 2, 1924, without notice to appellant of the allowance of Widman's application.

The Commissioner denied appellant's petition to revive and this bill was filed.

[2] Section 4915, Revised Statutes, provides that "whenever a patent on application is refused, either by the Commissioner of Patents or by the Supreme Court of the District of Columbia upon appeal from the Commissioner, the applicant may have remedy by bill in equity," etc. When this statute was enacted there was no appeal from the decisions of the Commissioner of Patents in interference proceedings, so that his decisions were final in that class of cases. Under the act of 1893, creating the Court of Appeals of the District of Columbia, an appeal was allowed from decisions of the Commissioner in interferences proceedings (27 Stat. 436). After the enactment of this legislation, it was incumbent upon an applicant for patent, before taking advantage of the provisions of section 4915, Revised Statutes, to prosecute an appeal to this court. *McKnight* v. *Metal Volatilization Co.*, 128 Fed. 51; *Allen* v. *Lowry*, 116 O. G. 2253; 26 App. D. C. 8, 26.

In this case no appeal was prosecuted, even to the Commissioner of Patents, but appellant seeks to excuse himself in this behalf because an interference was not declared by the Patent Office between his application and that of Widman. Section 4904 Revised Statutes provides that—

> whenever an application is made for a patent which, in the opinion of the Commissioner, would interfere with any pending application, or with any unexpired patent, he shall give notice thereof to the applicants, or applicant and patentee, as the case may be, and shall direct the Primary Examiner to proceed to determine the question of priority of invention.

The statute then authorizes the Commissioner to issue a patent to the party who is adjudged the prior inventor, unless the adverse party appeals from the decision. It is the contention of appellant that the statute requires the declaration of an interference, whether or not the Examiner is of the view that there are patentable claims.

We can not accept this view. In *Allen* v. *Lowry*, 1905 C. D. 643; 26 App. D. C. 8, 17, we said:

> We can not emphasize too strongly that, in our view, the statutes relating to interferences only provide that they shall be instituted for the sole purpose of determining priority of invention * * *.

This case was reviewed by the Supreme Court of the United States (203 U. S. 476), where it was said:

> The statute is explicit. It limits the declaration of interferences to the question of priority of invention.

[3] Until patentability has been determined by the Patent Office, the declaration of an interference would be an idle ceremony. Widman had sufficient confidence in his case to pursue the remedies the statute provided; appellant did not.

The decree is affirmed, with costs.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

801,155, Raphael & Toops, Folding hood for automobiles, suit filed Jan. 31, 1927, D. C., W. D. Mich. (Grand Rapids), Doc. 3230, *H. Raphael et al.* v. *Hayes-Ionia Co.* Dismissed on plaintiff's motion. (Notice dated Mar. 21, 1927.)

949,195, C. F. McBee, Book binder's perforating machine, 1,199,287, 1,231,765, Same, Evener board for book binding machine, 1,333,123, Same, Book binding machine, suit filed Feb. 18, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6879, *The McBee Binder Co.* v. *Swift & Co.*

949,272, 959,527, P. E. Herrmann, Process of hair waving, 1,001,029, 1,168,000, Same, Hair curler, 1,194,841, Same, Hair steaming apparatus, 1,199,550, 1,499,367, Same, Hair curling apparatus, 1,531,936, Same, Electrical attachment plug, suit filed Mar. 15, 1927, D. C., S. D. N. Y., Doc. E 41/9, *P. E. Herrmann* v. *C. Nessler* (*C. Nestle Co.*).

959,527. (See 949,272.)

979,849. (See 1,363,333.)

979,850. (See 1,363,333.)

982,193, F. I. Thayer, Outlet box, 1,056,498, C. C. Buckels, Outlet box support, suit filed Feb. 26, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6908, *Roach-Appleton Mfg. Co.* v. *All-Steel Equipment Co.*

1,001,029. (See 949,272.)

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps, 1,180,159, I. Langmuir, Incandescent electric lamp, suit filed Aug. 6, 1926, D. C., E. D. N. Y., Doc. 2690, *General Electric Co.* v. *Montauk Appliance Corp. et al.* Interlocutory decree, Jan. 6, 1927. Same, suit filed Jan. 28, 1927, D. C., E. D. N. Y., Doc. 2924, *General Electric Co.* v. *M. Drucker* (*Grand Distributing Co.*) *et al.*

1,056,498. (See 982,193.)

1,065,691, F. W. Kemer, Leather compound, suit filed Feb. 17, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6878, *C. A. Bates* v. *T. L. Gatke.*

1,113,149, E. H. Armstrong, Wireless receiving system, suit filed July 6, 1926, D. C., S. D. Ohio (W. Div.), Doc. 421, *Westinghouse Electric & Mfg. Co.* v. *The Crosley Radio Co.* Dismissed without prejudice Mar. 19, 1927.

1,151,910, G. S. Sturges, Automobile seat, suit filed Mar. 17, 1927, D. C., N. D. Calif. (San Francisco), Doc. E 1852, *G. S. Sturges* v. *H. O. Harrison Co.*

1,168,000. (See 949,272.)

1,178,753, Rowntree & Rowntree, Direct service one point control dumb waiter, suit filed Feb. 11, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6849, *Elevator Supplies Co., Inc.*, v. *Wheeler Elevator Co.*

1,180,159. (See 1,018,502.)

1,194,841. (See 949,272.)

1,199,287. (See 949,195.)

1,199,550. (See 949,272.)

1,231,765. (See 949,195.)

1,239,101. (See 1,363,333.)

1,272,883, H. Adelmann, Ham boiler, 1,497,885, Same, Corned beef cooker, suit filed Mar. 6, 1925, D. C., S. D. N. Y., Doc. E 31/242, *Ham Boiler Corp.* v. *H. Hugo et al.* Patents sustained and injunction granted Mar 11, 1927.

1,303,313, A. W. Herbert, Composite building lathe, suit filed Feb. 3, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6842, *Truscon Steel Co.* v. *The Celotex Co.*

1,307,733, A. V. Gullborg, Lubricating apparatus, 1,307,734, Same, Lubricating means, 1,475,980, O. Zerk, Lubricating apparatus, suit filed Jan. 13, 1927, D. C., E. D. N. Y., Doc. 2905, *The Bassick Mfg. Co.* v. *The Ready Auto Supply Co., Inc.*

1,307,734. (See 1,307,733.)

1,333,123. (See 949,195.)

1,363,333, 1,368,271, 1,371,252, 1,379,306, 1,371,498, N. M. Lower, Locomotive stoker, 979,849, 979,850, W. T. Hanna, Automatic stoker, 1,239,101, Same, Locomotive tender stoker mechanism, appeal filed in C. C. A. (6th Cir.), Doc. 4369, *The Locomotive Stoker Co.* v. *Hanna Stoker Co.* Decree reversed in part, affirmed in part. Claims 1 and 2 of 979,850 not infringed, claims 53 and 55 of 1,368,271 valid and infringed, claim 10 of 1,379,301 not infringed, claims 1 and 2 of 1,363,333 valid and infringed, claims 8 and 9 not infringed, claim 3 of 1,371,252 not infringed, claim 7 valid and infringed, Mar. 17, 1927.

1,368,271. (See 1,363,333.)

1,371,252. (See 1,363,333.)

1,371,498. (See 1,363,333.)

1,375,458, B. P. Hermes, Heat regulating system, suit filed Mar. 17, 1925, D. C., S. D. N. Y., Doc. E 31/280, *Hermes Steam Controller Co., Inc.*, v. *New York Steam Corp. et al.* Bill dismissed for want of equity Mar. 21, 1927.

1,379,306. (See 1,363,333.)

1,404,539, C. K. Nelson, Confection, suit filed Mar. 17, 1927, D. C., S. D. Ohio (E. Div.), Doc. 515, *Eskimo Pie Corp.* v. *The C. A. Willis Ice Cream Co.*

1,421,022, N. Mollet, Advertising sign, suit filed July 20, 1927, D. C., S. D. Ohio (W. Div.), Doc. 423, *N. Mollet* v. *The Progress Sign Co.* Dismissed without prejudice Mar. 19, 1927.

1,426,576, V. Lombardi, Knitted fabric, 1,541,230, Same, Knitting machine, suit filed Jan. 7, 1927, D. C., E. D. N. Y., Doc. 2879, *V. Lombardi et al* v. *Elgin Knitting Mills, Inc.*

1,431,260, 1,483,522, H. Rosen, Button making machine, 1,536,530, Same, Button, suits filed Feb. 10, 1927, D. C., S. D. N. Y., Doc. E 40/225, *H. Rosen et al.* v. *S. Gross et al.* (*Golden Star Button Works*). Consent decree for plaintiff, Mar. 11, 1927. Doc. E 40/228, *H. Rosen et al.* v. *M. Casca* (*Beauty Button Works*). Consent decree for plaintiff Mar. 11, 1927. Same, suits filed Mar. 17, 1927, D. C., S. D. N. Y., Doc. E 41/34, *H. Rosen et al.* v. *S. Ottenstein* (*Champion Button Works*). Doc. E 41/35, *H. Rosen et al.* v. *J. Susseman et al.* (*Sussman Bros.*).

1,448,986, J. B. Zimmers, Upholstery finish, suit filed Mar. 23, 1927, D. C., E. D. Mich. (S. Div.), Doc. 1950, *J. B. Zimmers et al.* v. *Kerr Specialty Co.*

1,464,514, C. W. Terry, Battery testing instrument, suit filed Feb. 23, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6881, *Hy-Rate Mfg. Co. et al.* v. *J. Weidenhoff.*

1,475,980. (See 1,307,733.)

1,483,522. (See 1,431,260.)

1,486,779, C. Mayer, Girdle brassière, suit filed Feb. 14, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6850, *Nature's Rival Co.* v. *The Warner Bros. Co., Inc.*

1,492,229, H. L. Thompson, Beater, 1,511,541, Same, Power wheel, suit filed Oct. 21, 1924, D. C., S. D. Calif. (Los Angeles), Doc. I-35-J, *F. T. Johnson et al.* (*The World Novelty Co.*) v. *I. P. Duncan et al.* (*Marvel Whipper Co.*). Bill dismissed for want of equity Feb. 1, 1927.

1,497,885. (See 1,272,883.)

1,498,359. (See 1,563,506.)

1,499,367. (See 949,272.)

1,511,541. (See 1,492,229.)

1,526,714. (See 1,563,506.)

1,531,936. (See 949,272.)

1,536,530. (See 1,431,260.)

1,541,230. (See 1,426,576.)

1,563,506, 1,526,714, J. O. Luthy, Recovery and utilization of materials of old secondary battery plates, 1,498,359, H. P. Dodge, Battery plate building, suit filed Mar. 17, 1927, D. C., N. D. Ala. (Birmingham), Doc. 582, *Luthy Battery Equipment Co. et al.* v. *F. Geraca et al.*

1,585,683, F. S. Oppenheim, Container, suit filed Mar. 18, 1927, D. C., S. D. N. Y., Doc. E 41/50, *F. S. Oppenheim et al.* v. *Davega, Inc.*

1,586,768, E. A. Allen, Transportable elevator, suit filed Feb. 23, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6837, *Automatic Material Hoist Co.* v. *Reliable Hoist Co.*

1,590,982, E. B. Morris, Farrowing house, suit filed Sept. 18, 1926, D. C., S. D. Iowa (Des Moines), Doc. E 4342, *E. B. Morris et al* v. *Western Silo Co. et al.* Dismissed without prejudice Mar. 2, 1927.

1,600,323, L. E. Delson, Illustrated letterhead, suit filed Feb. 16, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6851, *Central-Fold Letterhead Co.* v. *Hoppe Bond & Mortgage Co.*

Des. 50,624, L. Klima, Ventilator, suit filed June 2, 1926, D. C. Minn. (2d Div.), Doc. E 82, *King Ventilating Co.* v. *St. James Ventilating Co. et al.* Patent held invalid, bill dismissed, Mar. 15, 1927.

Re. 13,926, S. G. Wingquist, Ball bearing, suit filed Mar. 17, 1927, D. C., S. D. N. Y., Doc. E 41/33, *The Skayef Ball Bearing Co.* v. *S. F. Goodman.*

Re. 16,202, B. Briody, Roadway joint, suits filed Feb. 2, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6840, *Truscon Steel Co.* v. *Sykes Co.* Doc. 6841, *Truscon Steel Co.* v. *Kalman Steel Co.*

Re. 16,360, F. C. Stephens, Needle and its method of use, suit filed Mar. 10, 1927, D. C., W. D. Mo. (W. Div.), Doc. 795, *The Stelos Co. of America, Inc.*, v. *E. Stark.*

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 14, 1927.*

The Wynne Paper Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Transo Envelope Company, 3512 North Kimball Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered August 10, 1920, No. 134,146, to The Wynne Paper Co., 318 West Thirty-ninth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said The Wynne Paper Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless The Wynne Paper Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Apr. 15, 1927.*

Swan O. Peterson, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Edward G. Carr, 1329 Downer Avenue, Milwaukee, Wis., and patent granted March 21, 1922, No. 1,410,114, to Swan O. Peterson, 2511 Eleventh Street, Rock Island, Ill., and a notice of such declaration sent by registered mail to said Peterson at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Peterson, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1927.*

Austin O. Stanley, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Clifford M. Paxton, 1184 Pacific Street, Brooklyn, N. Y., and patent granted August 10, 1926, No. 1,596,888, to Austin O. Stanley, 205 High Street, Detroit, Mich., and a notice of such declaration sent by registered mail to said Stanley at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Stanley, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Disclaimer.

1,308,553.—*Winfred T. Powell*, Chicago, Ill. TELEPHONE-EXCHANGE SYSTEM. Patent dated July 1, 1919. Disclaimer filed April 15, 1927, by the assignee by mesne assignments, *Automatic Electric Inc.*

Hereby enters a disclaimer to claims 8, 9, 22, 25, 26, 36, 38, 40, and 47 in said specification, which are in the following words, to wit:

"8. In a telephone system, manual and automatic subscribers' lines, automatic switches at the exchange for connecting calling and called lines of either kind, means for extending any calling line to one of said switches, an operator's position, and means whereby the said calling line, if a manual line, is then automatically extended to the operator's position.

"9. In a telephone system, manual and automatic subscribers' lines, an operator's position, means for connecting a calling line with said operator's position, and controlling means for said connecting means, said controlling

means adapted to discriminate between manual and automatic calling lines, whereby the former only are so extended.

"22. In a telephone system, a trunk line having a normally open branch, circuits of different electrical character, means for connecting any circuit with said trunk line, and switching means dependent on the electrical characteristics of a connected circuit for closing said branch.

"25. In a telephone system subscribers' lines, a trunk line extending to an operator's position, means for connecting a calling line with said trunk line, means associated with certain of said lines for bringing about the operation of said connecting means, and means associated with certain other of said lines for preventing the operation of said connecting means.

"26. In a telephone system, subscribers' lines, a trunk line provided with directively controlled selecting mechanism and automatic selecting mechanism, either of said mechanisms being operable independent of the operation of the other, means for extending a calling line to said trunk, and means associated with the calling line for initiating the operation of said automatic selecting mechanism.

"36. In a telephone system, manual and automatic subscribers' lines, automatic switches at the exchange for connecting calling and called lines of either kind, subscriber controlled means for extending any calling line to one of said switches, an operator's position, and electromagnetic means whereby the said calling line, if a manual line, is then automatically extended to the operator's position.

"38. In a telephone system, manual and automatic subscribers' lines, an operator's position, automatic switching mechanism common to a plurality of said subscribers' lines for connecting a calling line with said operator's position, a relay for controlling said switching mechanism, said relay adapted to be operated when the calling line is a manual line, and inoperative when the calling line is an automatic line, whereby the former only are extended to said operator's position.

"40. In a telephone system, manual and automatic subscribers' lines, an operator's position, means for connecting one of said lines with said operator's position, and controlling means for said connecting means; said controlling means having a relay responsive to the manual line equipment, whereby said connecting means is operated to connect only manual lines to the operator's position.

"47. In a telephone system, a trunk line having a normally open branch, circuits of different electrical character, means for connecting any one of said circuits with said trunk line, and automatic switching means dependent on the electrical characteristics of a connected circuit for closing said branch."

Changes in Classification.

Order No. 3,006, April 12, 1927, directs:

In *class 60, Power Plants* (Division 18), establish the following subclasses and definitions, the patents contained in these subclasses having been taken for the most part from class 138, Hydraulic Motors, subclass 23, Miscellaneous, and from class 230, Air and Gas Pumps, abolished in this order:

Hydraulic type
Fluid transmission
54.5 Pulsator type
54.6 Pulsators,
Pneumatic type
Fluid transmission
62.5 Pulsator type
62.6 Pulsators.

54.5. HYDRAULIC TYPE, FLUID TRANSMISSION, PULSATOR TYPE. Directed to devices for transmitting energy or motion by means of the pulsations or reciprocations of a confined mass of liquid in which a unit mechanism consists of a pulse or pressure-producing mechanism, a pulse or pressure-responsive mechanism, and a single closed liquid-conducting member connecting the pulse producer and the pulse receiver or multiples of such devices.

Note.—The devices embraced may be designed to transmit pulsations of high frequency or to transmit a single pressure effect at infrequent intervals.

Note.—Devices in which the cycle of the transmitting fluid is wholly or in part a motion in one direction through an endless circuit, as through separate induction and eduction ports of a pump to a motor of the pulsator type or to a motor having separate admission and exhaust connections when not specifically provided for in existing classes, are classified in this class, subclass 57, and the subclasses indented thereunder or in subclass 62.

Note.—Pulsator transmission devices may be provided with valve or other means for controlling the pressure effect or the extent of the fluid pulsations or for filling, refilling, replenishing, or modifying the fluid content of the transmission system. In such systems the pulse-producing and the pulse-receiving members move synchronously with respect to each other, and there is not a production of successive increments of pressure or pressure effect, but of alternate pressure and release of pressure. Such devices are not provided with separate induction and eduction connections which adapt devices so provided to a unidirectional fluid flow.

Search Classes—
31—DAIRY, subclasses 61, Milkers, Suction and compression, Suction pulsator, and the subclasses indented thereunder, and 68, Milkers, Suction, Pulsators, and the subclasses indented thereunder.
100—PRESSES, subclasses 19, Baling, Articles and attachments, Boxes and frames, and 50, Expressing, Articles and attachments, Boxes and frames.
114—SHIPS, subclass 150, Steering mechanism, Fluid pressure.
125—STONE WORKING, subclass 31, Pulsator hammers, and the subclass indented thereunder.
137—WATER DISTRIBUTION, subclass 153, Valve actuation, Fluid-pressure control.
138—HYDRAULIC MOTORS, generally.
188—BRAKES, subclasses 152, Operators, Fluid pressure, Road vehicle, and 153, Operators, Fluid pressure, Rail vehicle.
200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 81, Fluid pressure, and the subclasses indented thereunder.
254—PUSHING AND PULLING IMPLEMENTS, subclasses 2, Hoisting trucks, and 93, Fluid pressure.
255—EARTH BORING, subclass 38, Rock-drilling machines, Impact, Piston driven.
303—FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS, subclass 48, Direct, and the subclass indented thereunder.

54.6. HYDRAULIC TYPE, FLUID TRANSMISSION, PULSATOR TYPE, PULSATORS. This is an element class of pulsators, not specifically provided for in existing classes, embracing (1) devices designed to effect a pulsating or reciprocating motion to a confined mass of liquid and (2) devices designed to convert the energy of a pulsating or reciprocating liquid mass into mechanical work. In general the mechanism consists of a relatively movable container or cylinder member and an impelling or impelled member, as a piston or the equivalent, with means for actuating the impeller or means for transmitting the motion effect of the impelled member.

Search Classes—
74—MACHINE ELEMENTS, subclass 108, Cylinders and pistons, for cylinders and pistons per se.
137—WATER DISTRIBUTION, subclass 156, Pressure-responsive devices, and the subclass indented thereunder, for collapsible chamber pulsators per se, as siphons, bellows, bulbs, and diaphragms.

62.5. PNEUMATIC TYPE, FLUID TRANSMISSION, PULSATOR TYPE. Directed to devices as defined in subclass 54.5, limited in application by the description or claims to the use of air or like gaseous fluids as the transmitting medium.

62.6. PNEUMATIC TYPE, FLUID TRANSMISSION, PULSATOR TYPE, PULSATORS. Devices as defined in subclass 54.6, limited in application by the description or claims to use with air or like gaseous fluids.

In *class 192, Injectors and Ejectors* (Division 9), abolish the following subclasses, the patents formerly contained therein having been placed for the most part in class 230, Gas Pumps and Fans, subclass 96, Fluid displacement, Jet pumps, Elastic motive fluid, Flue, and the subclasses indented thereunder, established in this order:

4 Flue ejectors
5 With spark arresters
6 Variable
7 Variable
8 Jet.

In *class 230, Air and Gas Pumps* (Division 9), the title of the class has been changed to 230, Gas Pumps and Fans, and it has been reclassified with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification.

Lists of subclasses with definitions may be seen in the Classification Division, room 165.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 3, 1927.

[VOL. 358. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 159,528. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENNSYLVANIA CHOCOLATE COMPANY, Pittsburgh, Pa. Filed Feb. 18, 1922.

PENN-TEK

Particular description of goods.—Cocoa.
Claims use since as early as Jan. 15, 1922.

Ser. No. 188,643. (CLASS 43. THREAD AND YARN.) SOIERIES COUDURIES, FRUCTUS & DESCHER DE NEW YORK, INC., New York, N. Y. Filed Nov. 21, 1923.

SAMOURAÏ

Particular description of goods.—Silk Thread.
Claims use since June 11, 1923.

Ser. No. 197,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALPH H. SEIPEL, doing business as Seipel Food Products Company, Pittsburgh, Pa. Filed May 31, 1924.

SPIFFY

Particular description of goods.—Ice-Cream Confections and Confections Consisting of Pastry Shells Filled With Custard.
Claims use since Sept. 1, 1923.

Ser. No. 202,134. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK W. MORSE, doing business as Frank W. Morse Company, Boston, Mass. Filed Sept. 2, 1924.

"Morse Eureka SPRING GRIP"

The words "Trade-Mark" and "Spring Grip" as well as quotation marks are herein disclaimed, also the word "Morse" apart from the mark shown is disclaimed.
Particular description of goods.—Radio Equipment, Specifically Binding Posts and Spring Terminals.
Claims use since Mar. 1, 1914.

Ser. No. 206,052. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Dec. 1, 1924.

Peachskin

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Night Robes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since November, 1919.

Ser. No. 212,399. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Apr. 8, 1925.

PIERCE

Particular description of goods.—Tire Covers.
Claims use since Mar. 7, 1925.

Ser. No. 219,328. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD S. GOLDHILL, New York, N. Y. Filed Aug. 25, 1925.

"By their Shape You will know Them"

Particular description of goods.—Doughnuts.
Claims use since Aug. 12, 1925.

Ser. No. 227,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. C. IWATA, doing business as K. C. Iwata Co., Brawley, Calif. Filed Feb. 23, 1926.

SERENITY

Particular description of goods.—Fresh Cantaloupes, Tomatoes, Lettuce, Honey Dew Melons, and Peas in Their Natural State.
Claims use since Jan. 1, 1921.

Ser. No. 228,384. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA SALLE PRODUCTS, INC., doing business as 'D'Ciny', St. Paul, Minn. Filed Mar. 9, 1926.

Blossom Time

Particular description of goods.—Perfumes, Toilet Waters, Talcum Powder, Face Creams, and Hair Tonic.
Claims use since Jan. 5, 1926.

Ser. No. 228,808. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEXTROSE CO. INC., New York, N. Y. Filed Mar. 18, 1926.

SUPERDEX

Particular description of goods.—Dextrose Particularly Adapted for Use as a Food.
Claims use since Jan. 2, 1926.

Ser. No. 228,846. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Mar. 19, 1926.

CARBOPLASTIC

Particular description of goods.—Apparatus for Spraying or Forcibly Ejecting Cementitious Compositions.
Claims use since Nov. 9, 1925.

Ser. No. 229,879. (CLASS 42. (KNITTED, NETTED, AND TEXTILE FABRICS.) SHULER & BENNINGHOFEN, Hamilton, Ohio. Filed Apr. 8, 1926.

MARIPOSA

Particular description of goods.—All-Wool Blankets.
Claims use since Mar. 13, 1908.

Ser. No. 231,204. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE NITE-EYE LIGHT CORPORATION, Denver, Colo. Filed May 6, 1926.

NITE-EYES

Particular description of goods.—Electric Headlights, Reflectors for Electric Headlights, Incandescent Electric Lamps, and Storage Batteries.
Claims use since Apr. 10, 1926.

Ser. No. 231,224. (CLASS 33. GLASSWARE.) WILLIAMSPORT MIRROR AND GLASS COMPANY, Williamsport, Pa. Filed May 6, 1926.

WILLIAMSPORT MIRROR AND GLASS COMPANY — WILLIAMSPORT PENNSYLVANIA — OK GLASS

The words "Williamsport, Pennsylvania, Glass" appearing on the drawing are disclaimed apart from the mark shown.
Particular description of goods.—All Kinds of Flat Glass Silvered and Unsilvered.
Claims use since Mar. 22, 1926.

Ser. No. 231,341. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany. Filed May 8, 1926. Under 10-year proviso.



Applicant owns registration No. 95,148.
Particular description of goods.—Pins (Not Made of Precious Metal), Buckles (Not Made of Precious Metal), and Shoe Hooks and Eyes.
Claims use since Jan. 23, 1893.

Ser. No. 231,801. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEWERKSCHAFT WALLRAM, ABTEILUNG METALLWERKE, Essen-Ruhr, Germany. Filed May 18, 1926.

Wallramit

Particular description of goods.—Drawplates, Draw Nozzles, and Pressure Nozzles All Used in Drawing Out Metals, Such as in Wire Making, Etc.; Turning Tools, Milling Cutters, Drills, Stone-Planing Tools, Coal and Stone Holing Pikes, Cutter Heads for Coal and Stone Boring Hammers, Coal and Stone Cutting Machines, and Coal and Stone Drilling Machines.
Claims use since Feb. 3, 1925.

Ser. No. 232,115. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.). ANCHOR HARDWARE STORES CO., Kansas City, Mo. Filed May 24, 1926.



Particular description of goods.—Shovels, Hoes, Axes, Picks, and Hammers.
Claims use since July 18, 1925.

Ser. No. 233,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. S. TYREE, CHEMIST, INC., Washington, D. C. Filed June 10, 1926.

OPAL DENTALLINA

Particular description of goods.—Dentifrices and Liquid Dentifrices.
Claims use since about January, 1896.

Ser. No. 233,214. (CLASS 39. CLOTHING.) W. Y. MILLER, Schuylkill Haven, Pa. Filed June 14, 1926.

SONNY-SHOE

"Sonny-Shoe." No claim is made to the word "Shoe" apart from the mark shown in the drawing.
Particular description of goods.—Boots and Shoes of Leather, Fabric, Rubber, or Combinations Thereof.
Claims use since Mar. 3, 1926.

Ser. No. 233,316. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO INC., New York, N. Y. Filed June 16, 1926.



Particular description of goods.—Hair Dye.
Claims use since September, 1919.

Ser. No. 233,432. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FIGONET COMPANY, Rochester, N. Y. Filed June 18, 1926.

FIGONET

Particular description of goods.—Candy Confections Made of Figs, Raisins, Cherries, and Nuts.
Claims use since January, 1924.

Ser. No. 233,558. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KING QUALITY PRODUCTS INC., Buffalo, N. Y. Filed June 21, 1926.

KING QUALITY (K)

No claim is made herein to the word "Quality" apart from the mark as shown.
Particular description of goods.—Automotive Parts—Namely, Steering-Knuckle Bushings, Tie-Rod Yoke Bushings, Piston Pins, and Spring-Shackle Bushings.
Claims use since about June, 1924.

Ser. No. 233,776. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JACKSON FOX FARMS, INCORPORATED, Morley, Mich. Filed June 26, 1926.



Applicant hereby disclaims the words "Trade Mark, Jackson Strain," and the representation of the foxes shown in the drawing except in connection with the mark shown.

Particular description of goods.—Foxes and Furs Taken Therefrom.

Claims use since Nov. 1, 1925.

Ser. No. 233,875. (CLASS 12. CONSTRUCTION MATERIALS.) FARLEY & LOETSCHER MFG. CO., Dubuque, Iowa. Filed June 29, 1926.

INADOR

Particular description of goods.—Built-In Ironing Boards and Cabinets Therefor.

Claims use since Mar. 6, 1926.

Ser. No. 234,297. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GASOLINE REGISTER COMPANY, Chicago, Ill. Filed July 8, 1926.

Meas-ur-chek

Particular description of goods.—Quantity-Recording and Receipt-Issuing Machines Used in the Sale of Gasoline.

Claims use since June 23, 1926.

Ser. No. 234,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FEDERAL PACKING CO., Cleveland, Ohio. Filed July 15, 1926.

"TOPPY"

Particular description of goods.—Beef, Mutton, Lamb, Veal, and Pork, Boiled Ham, Meat Loaf, Spiced Ham, Bologna and Other Kinds of Sausage; Smoked Meats, Such as Hams, Bacons, and Butts; Lard, Tallow, and Casings.

Claims use since May 11, 1926.

Ser. No. 234,591. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NORTON-BLAIR-DOUGLASS, INC., New York, N. Y. Filed July 15, 1926.



Applicant disclaims any exclusive right to the words "Up" and "Down" and the representation of a push plate apart from the mark shown in the drawing.

Particular description of goods.—Electrically-Operated Elevators and Parts Thereof and Elevator Signaling Devices and Annunciators.

Claims use since January, 1926.

Ser. No. 235,452. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GASTON BOUDOU, London, England. Filed Aug. 2, 1926.

FEMINIX

Particular description of goods.—Hair Washes, Hair Preparations, and Perfumes.

Claims use since Oct. 29, 1925.

Ser. No. 235,784. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE PITTSBURG AND MIDWAY COAL MINING COMPANY, Kansas City, Mo. Filed Aug. 10, 1926.



The drawing is lined to represent blue.

Particular description of goods.—Coal.

Claims use since Sept. 1, 1925.

Ser. No. 236,008. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CONLEY CAMERA COMPANY, Rochester, Minn. Filed Aug. 16, 1926.



Particular description of goods.—Phonographs, Reproducers, Tone Arms, and Phonographic Needles.

Claims use since Apr. 16, 1926.

Ser. No. 236,174. (CLASS 12. CONSTRUCTION MATERIALS.) PACIFIC LIME COMPANY LIMITED, Vancouver, British Columbia, Canada. Filed Aug. 19, 1926.



The word "Pure" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Plaster Lime, Lime Both Crude and Refined, Caustic, and Hydrated.

Claims use since March, 1918.

Ser. No. 236,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARVEY J. A. HACKENBERG, Cleveland, Ohio. Filed Aug. 28, 1926.

Molly Pitcher

Particular description of goods.—Candies.

Claims use since Apr. 1, 1920.

Ser. No. 236,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMBERN BROTHERS, Spokane, Wash. Filed Sept. 1, 1926.



The body of the letters, the seal, and a part of the figure are blue. The outline of the letters is red. No claim is made herein to the exclusive use of the words "Cambern's Malted Milk" and "Genuine" apart from the mark as shown.

Particular description of goods.—Breads, Cakes, and Pastries.

Claims use since Jan. 1, 1925.

Ser. No. 237,040. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PATERSON, SIMONS & CO. LTD., London, England. Filed Sept. 9, 1926.



All printed words appearing on the drawing are disclaimed.

Particular description of goods.—Playing Cards.

Claims use since Mar. 15, 1926.

Ser. No. 237,102. (CLASS 39. CLOTHING.) VARSITY UNDERWEAR COMPANY, Baltimore, Md., assignor to Varsity Underwear Company, Incorporated, Baltimore, Md., a Corporation of Maryland. Filed Sept. 10, 1926.



STURDICHEX

Particular description of goods.—Textile Union Suits, Undershirts, and Drawers for Men and Boys, Made of Checked Nainsook Material.

Claims use since Jan. 1, 1926.

Ser. No. 237,307. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. C. ATKINS & COMPANY, Indianapolis, Ind. Filed Sept. 16, 1926.

COLUMBIAN
CAST STEEL
WARRANTED
COLUMBIAN SAW WORKS

No claim is made for the use of the words "Cast Steel," "Warranted," and "Saw Works" apart from the mark shown in the drawing.

Particular description of goods.—Circular Saws of All Kinds, Band Saws of All Kinds, Rip and Panel Saws, Crosscut Saws, Wood (Buck) Saws, Drag-Saws, Machine Knives of All Kinds, Shear Blades for Cutting Metals, Circular Knives, Corn Knives, Cane Knives, Scraper Blades of All Kinds, and Trowels.

Claims use since September, 1924.

Ser. No. 237,795. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANCIS CUTLER ELLIS, doing business as Ellis Research Laboratories, Chicago, Ill. Filed Sept. 27, 1926.

Quantometer

No claim is made to the word "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Instrument for Diagnosis and Food and Remedy Testing by Analysis of Radiant Energies.

Claims use since Sept. 1, 1926.

Ser. No. 238,824. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT C. WREDE, doing business as Wrede Drug Co., Los Angeles, Calif. Filed Oct. 18, 1926.

O A N

The words "One at Night" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Laxative Tablets.

Claims use since November, 1914.

Ser. No. 238,930. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WATSON MIDDLEMISS CO., Tacoma, Wash. Filed Oct. 20, 1926.

WM

Particular description of goods.—Lifting Jacks.

Claims use since May 15, 1926.

Ser. No. 239,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY E. KERLEY, Hartsville, Tenn. Filed Oct. 23, 1926.

K & S

Particular description of goods.—Dropsy and Heart Preparations.

Claims use since July 1, 1926.

Ser. No. 239,429. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Oct. 29, 1926.

SAVORY

Particular description of goods.—Carving Forks, Pot Forks, Table Forks, Slicers, Grapefruit Knives, Spatulas, Table Sets (Knife and Fork), Carving Sets, Camp Cutlery (Sets), Potato Mashers, Stove Shovels, Oil-Tank Pumps (Not Measuring), and Fruit and Vegetable Presses All Made of Base Metal.

Claims use since about Sept. 15, 1925, as to fruit and vegetable presses, and to the remainder of the goods since about Apr. 1, 1922.

Ser. No. 239,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALLOCK-DENTON CO., Newark, N. J. Filed Nov. 1, 1926. Under 10-year proviso.

HALLOCK'S

Particular description of goods.—Glycerin, Sweet Oil, Camphorated Oil, Sirup Ipecac, Aromatic Spirits of Ammonia, Spirits of Niter, Spirits of Camphor, Iodine, Essence of Peppermint, Wintergreen, Castor Oil, Witch-Hazel, White-Pine and Tar Cough Sirup, Liniments, Liver Pills, Cold Tablets, Cathartic Pills, Toothache Drops and Toothache Wax, and Bay Rum.

Claims use since 1869.

Ser. No. 239,542. (CLASS 15. OILS AND GREASES.) ETHEL MAY PAGE, Northampton, Mass. Filed Nov. 1, 1926.



No claim is made to the wards "Lubricating Oils" apart from the mark shown on the drawing.

Particular description of goods.—Lubricating Oils.

Claims use since Feb. 1, 1899.

Ser. No. 239,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANITARY FOOD MANUFACTURING COMPANY, St. Paul, Minn. Filed Nov. 6, 1926.

THE SANITARY FACTORY SEAL

All words shown in the drawing are disclaimed apart from the mark shown.

Particular description of goods.—Crackers, Cakes, Cookies, Candies, Fruit Preserves, Jams, Jellies, Fruit Butters, Jelly Powder, Table Sirups, Olives, Pickles, and Horse-Radish Cream, Capers, Salad Dressing, Vinegar, Catchup, Mint Sauce, Pepper Sauce, Chili Sauce, Red-Hot Sauce (Consisting of Ripe Tobasco Peppers and Vinegar).

Claims use since Feb. 10, 1912.

Ser. No. 239,884. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL GUERLAIN, Suresnes, Paris, France. Filed Nov. 10, 1926.

MASQUE ROUGE

Particular description of goods.—Perfumes and Cologne.

Claims use since Jan. 1, 1925.

Ser. No. 240,157. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLARD S. WOODRUFF, Boston, Mass. Filed Nov. 16, 1926.



The words "Hand Cleanser" are disclaimed as part of the mark shown.

Particular description of goods.—A General Household Cleaning Preparation.

Claims use since Feb. 1, 1926.

Ser. No. 240,166. (CLASS 12. CONSTRUCTION MATERIALS.) THE BUBBLESTONE COMPANY, Pittsburgh, Pa., and Berkeley, Calif. Filed Nov. 17, 1926.

BUBBLESTONE

Particular description of goods.—Cementitious and Plastic Building Materials.

Claims use since Dec. 11, 1922.

Ser. No. 240,186. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MAX GLICK COMPANY, Cleveland, Ohio. Filed Nov. 17, 1926.

BABY VAMP

Particular description of goods.—Candy.

Claims use since Jan. 15, 1920.

Ser. No. 240,236. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL GUERLAIN, Suresnes, Paris, France. Filed Nov. 18, 1926.

PAVILLON ROYAL

Particular description of goods.—Perfumes, Cologne, Beauty Creams, and Skin Lotions.
Claims use since Nov. 1, 1924.

Ser. No. 240,266. (CLASS 39. CLOTHING.) L. KUPFERMAN & CO., New York, N. Y. Filed Nov. 18, 1926.

888
Stripes
KUP-PERFECTION
ALL WOOL

No claim is made to the words "All Wool," "Stripes," and "Perfection" apart from the mark shown in the drawing.
Particular description of goods.—Men's and Boys' Suits.
Claims use since Aug. 30, 1926.

Ser. No. 240,302. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL GUERLAIN, Suresnes, Paris, France. Filed Nov. 19, 1926.

CARAVELLE

Particular description of goods.—Perfumes, Cologne, Beauty Cream, and Skin Lotions.
Claims use since Nov. 1, 1924.

Ser. No. 240,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL GUERLAIN, Suresnes, Paris, France. Filed Nov. 20, 1926.

PATE D'OR

Particular description of goods.—Perfumes, Cologne, Beauty Cream, and Skin Lotions.
Claims use since Nov. 1, 1924.

Ser. No. 240,397. (CLASS 37. PAPER AND STATIONERY.) THE BATES MANUFACTURING COMPANY, Orange, N. J. Filed Nov. 22, 1926. Under Section 5b of the act of 1905 as amended in 1920.

Bates

Particular description of goods.—Index Devices—Namely, Telephone Indexes, Radio Indexes, Special Listing Indexes, and Index Strips, Memorandum Pads, Hand Perforators or Punches; Paper-Fastening Devices—Namely, Hand Eyeleters and Hand Eyeleters Equipped With Automatic Eyelet Feed; and Paper Fasteners—Namely, Eyelets.
Claims use since September, 1922.

Ser. No. 240,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROWNTREE & COMPANY, LIMITED, York, England. Filed Nov. 22, 1926.

MOTORING

Particular description of goods.—Cocoa, Chocolate, and Candy.
Claims use since Mar. 1, 1926.

Ser. No. 240,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL GUERLAIN, Suresnes, Paris, France. Filed Nov. 23, 1926.

MG

Particular description of goods.—Perfumes, Cologne, Beauty Creams, and Skin Lotions.
Claims use since Nov. 1, 1923.

Ser. No. 240,573. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TELEFUNKEN, GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed Nov. 24, 1926.

Copygraph

Particular description of goods.—Apparatuses, Machines, and Instruments for Television and Electrical Transmission of Pictures.
Claims use since June 3, 1926.

Ser. No. 240,630. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ERROLD B. THOMAS, Boston, Mass. Filed Nov. 26, 1926.

Syntha-Cotton

Applicant disclaims any attempt to cover in this registration the word "Cotton" alone. The trade-mark consists of the notation "Syntha-Cotton."
Particular description of goods.—Manufactured Cellulosic Material in Sheet or Layer Form and Useful in General as a Natural Cotton Substitute.
Claims use since on or about Nov. 16, 1926.

Ser. No. 240,943. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Filed Dec. 4, 1926.

Grifrow

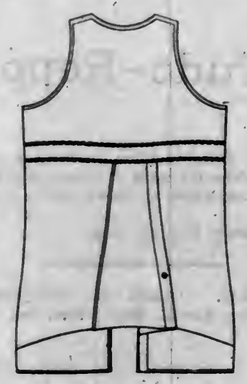
Particular description of goods.—Shovels, Spades, and Scoops.
Claims use since November, 1923.

Ser. No. 241,017. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Filed Dec. 6, 1926.

GOLD RIBBON

Particular description of goods.—Shovels, Spades, and Scoops.
Claims use since October, 1925.

Ser. No. 241,089. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & Co., Chicago, Ill. Filed Dec. 7, 1926.



The picture of the union suit is disclaimed. The mark consists of two rows of quadruple lavender stitches extending entirely across the back of the garment at the waistband portion thereof.
Particular description of goods.—Men's Woven and Knitted Underwear.
Claims use since about May 15, 1926.

Ser. No. 241,207. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HUGHES FAWCETT, New York, N. Y. Filed Dec. 9, 1926.

6250

The mark consists of the numerals "6250."
Particular description of goods.—Braids, Shoe Laces, and Hatbands.
Claims use since February, 1925.

Ser. No. 241,208. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HUGHES FAWCETT, New York, N. Y. Filed Dec. 9, 1926.

7140

Trade-mark consists of the numerals "7140."
Particular description of goods.—Braids, Shoe Laces, and Hatbands.
Claims use since Nov. 1, 1926.

Ser. No. 241,209. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HUGHES FAWCETT, New York, N. Y. Filed Dec. 9, 1926.

7500

Trade-mark consists of the numerals "7500."
Particular description of goods.—Braids, Shoe Laces, and Hatbands.
Claims use since Nov. 1, 1926.

Ser. No. 241,273. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL FISCHER INC., New York, N. Y. Filed Dec. 10, 1926.

Leopold Auer

The trade-mark is the signature of one Leopold Auer, a writer of music, a violinist, and a teacher of the violin. The written consent of Leopold Auer to the registration of this trade-mark is included herewith.
Particular description of goods.—Violins, Violin Outfits, (Meaning a Violin, Bow, Case, Chin Rest, Strings, Rosin, Mute, Considered as a Single Entity), Violin Bows, and Violin Chin Rests, Mutes, and Strings.
Claims use since July 1, 1926.

Ser. No. 241,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUTHRIE & CO., LIMITED, Singapore, Straits Settlements, and London, England. Filed Dec. 10, 1926.



The wording on the drawing is disclaimed apart from the mark shown, no common law rights in said mark being hereby disclaimed.

Particular description of goods.—Fresh Fish, Canned Fish, and Bottled Fish, Cheese, Rice, Wheat, Rye, Oats, Barley, Rice and Corn Flours, and Mixtures Thereof.

Claims use since about May 19, 1920.

Ser. No. 241,288. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Dec. 10, 1926.

KAUFMANN'S

Richelieu

Superior Quality

No claim is made to the words "Kaufmann's" and "Superior Quality" apart from the mark shown.

Particular description of goods.—Cotton Bed Sheets, Linen Bed Sheets, Cotton Pillowcases, Linen Pillowcases, Cotton Bedspreads, Rayon Bedspreads, Silk Bedspreads, Cotton Bolsters, Rayon Bolsters, Linen Bolsters, Cotton Comforts, Down Comforts, Wool Comforts, Cotton and Wool Comforts, Cotton Blankets, Wool Blankets, Cotton and Wool Mixed Blankets, Part-Wool Blankets, Linen Table Cloths (Plain and Embroidered), Linen Napkins, Linen Damask Cloths, Linen Damask Napkins, Linen Scarfs, Doilies, Buffet Sets (Ovals, Oblongs, Rounds), Linen Towels, Cotton Towels, Linen Toweling (by the Yard), Cotton Toweling (by the Yard), Velvet Fabrics (by the Yard), Silk Fabrics (by the Yard), Wool Fabrics (by the Yard), Cotton Fabrics (by the Yard), Rayon Fabrics (by the Yard), Muslin (by the Yard), Linen (by the Yard), and Bedticking of Cotton.

Claims use since about Nov. 28, 1926.

Ser. No. 241,311. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SAMUEL M. BAMDAS, North Arlington, N. J. Filed Dec. 11, 1926.

BSM

Particular description of goods.—Animal Skins Employed in the Manufacture of Furs and Fur Coats.

Claims use since July, 1924.

Ser. No. 241,323. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Dec. 11, 1926.

Tudo-Repp

No claim is made to the exclusive use of the word "Repp" apart from the mark as shown in the drawing.

Particular description of goods.—50-Inch Rep in the Piece.

Claims use since Nov. 15, 1926.

Ser. No. 241,640. (CLASS 39. CLOTHING.) MALCOLM SEYMOUR, Boston, Mass. Filed Dec. 17, 1926.

PAJAM-ALLS

Particular description of goods.—Sleeping Garment.

Claims use since Dec. 1, 1926.

Ser. No. 241,681. (CLASS 39. CLOTHING.) ROSALIND UNDERWEAR CO. INC., New York, N. Y. Filed Dec. 18, 1926.

Baby Rosalind UNDIES

The word "Undies" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Babies' and Children's Silk and Woven Underwear.

Claims use since on or about Jan. 25, 1924.

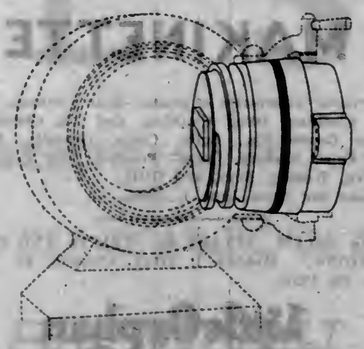
Ser. No. 241,757. (CLASS 39. CLOTHING.) L. Q. WHITE SHOE COMPANY, Bridgewater, Mass. Filed Dec. 20, 1926.

Ky-rop-tic FIVE POINT SUSPENSION

Particular description of goods.—Boots and Shoes Made of Leather or Leather and Cloth.

Claims use since May, 1926.

Ser. No. 241,783. (CLASS 25. LOCKS AND SAFES.) THE MOSLER SAFE COMPANY, New York, N. Y. Filed Dec. 21, 1926.



The trade-mark consists of a copper-colored band placed about the periphery of the door edge as indicated by the lining on the drawing. No claim is made to the representation of a safe or safe door.

Particular description of goods.—Doors of Burglarproof and Fireproof Structures, More Specifically Doors of Safes and Bank Vaults.

Claims use since December, 1915.

Ser. No. 241,830. (CLASS 45. BEVERAGES, NONALCOHOLIC.) C. EDWARD MAY, doing business as Chero Cola Bottling Company, Baltimore, Md. Filed Dec. 22, 1926.



"Hi-Ball" and design.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale, Sarsaparilla, and Lemon Soda.

Claims use since Nov. 1, 1926.

Ser. No. 241,899. (CLASS 39. CLOTHING.) SAMUEL PATROWICH, Philadelphia, Pa. Filed Dec. 23, 1926.

Padi Clothes

The word "Clothes" is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Men's Woolen Suits, Overcoats, and Topcoats.

Claims use since June, 1921.

Ser. No. 241,927. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE J. R. CLARK COMPANY, Minneapolis, Minn. Filed Dec. 24, 1926.

RID-JID

Particular description of goods.—Stepladders and Stepladder Stools.

Claims use since on or about Dec. 21, 1923.

Ser. No. 241,992. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SAMUEL ESHBORN, New York, N. Y. Filed Dec. 27, 1926.



Particular description of goods.—Phonograph Reproducers.
Claims use since Nov. 1, 1926.

Ser. No. 242,016. (CLASS 39. CLOTHING.) MEIER & FRANK COMPANY, Portland, Oreg. Filed Dec. 27, 1926.

Claybrooke

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Aug. 1, 1926.

Ser. No. 242,040. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) E. & J. BASS, INC., New York, N. Y. Filed Dec. 28, 1926.



The word "Silver" is disclaimed apart from the mark shown.
Particular description of goods.—Silver-Plated Candlesticks, Jeweled Articles Consisting of Silver-Plated Fruit Bowls, Silver-Plated Salt and Pepper Shakers, Silver-Plated Cocktail Sets, Silver-Plated Flasks, Silver-Plated Pitchers, Silver-Plated Candy Dishes, Silver-Plated Mayonnaise Dishes, Silver-Plated Ice Tubs, Silver-Plated Brush and Mirror Sets, Silver-Plated Puff Boxes, Silver-Plated Cologne Bottles, Silver-Plated Atomizers, Silver-Plated Ash Trays, Silver-Plated Perfume Trays, Silver-Plated Cigarette Boxes, Silver-Plated Jewel Cases, Silver-Plated Candy Boxes, Silver-Plated Compacts, Silver-Plated Toilet Ware, Silver-Plated Hollow Ware, and Silver-Plated Flatware.
Claims use since February, 1904.

Ser. No. 242,041. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) E. & J. BASS, INC., New York, N. Y. Filed Dec. 28, 1926.



The word "Gold" is disclaimed apart from the mark shown.
Particular description of goods.—Gold-Plated Candlesticks, Jeweled Articles Consisting of Gold-Plated Fruit Bowls, Gold-Plated Salt and Pepper Shakers, Gold-Plated Cocktail Sets, Gold-Plated Flasks, Gold-Plated Pitchers, Gold-Plated Candy Dishes, Gold-Plated Mayonnaise Dishes, Gold-Plated Ice Tubs, Gold-Plated Brush and Mirror Sets, Gold-Plated Puff Boxes, Gold-Plated Cologne Bottles, Gold-Plated Atomisers, Gold-Plated Ash Trays, Gold-Plated Perfume Trays, Glod-Plated Cigarette Boxes, Gold-Plated Jewel Cases, Gold-Plated Candy Boxes, Gold-Plated Compacts, Gold-Plated Toilet Ware, Gold-Plated Hollow Ware, and Gold-Plated Flatware.
Claims use since February, 1904.

Ser. No. 242,054. (CLASS 39. CLOTHING.) EXCELLO RUBBER CO. INC., New York, N. Y. Filed Dec. 28, 1926.

MAKINETTE

Particular description of goods.—Rain Clothing, Waterproof Clothing, Oiled Clothing, and All Clothing of Rubber Goods—Viz., Suits, Coats, Overalls, Aprons, Hats, Caps, Slickers, Capes, Ponchos, and Leggings—for Men, Women, Boys, and Girls.
Claims use since June 1, 1926.

Ser. No. 242,122. (CLASS 38. PRINTS AND PUBLICATIONS.) HAROLD L. GRAY, Chicago, Ill. Filed Dec. 29, 1926.

Little Orphan Annie

Particular description of goods.—Comic-Picture Pages, Comic-Picture Strips, Comic-Picture Drawings, Appearing Periodically in Newspapers.
Claims use since Aug. 5, 1924.

Ser. No. 242,143. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT REINER, INCORPORATED, Weehawken, N. J. Filed Dec. 29, 1926.



Particular description of goods.—Embroidery and Textile Machinery.
Claims use since 1911.

Ser. No. 242,247. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PACIFIC COAST TALC COMPANY, Los Angeles, Calif. Filed Dec. 31, 1926.

L S

Particular description of goods.—Talc.
Claims use since Jan. 1, 1923.

Ser. No. 242,275. (CLASS 39. CLOTHING.) BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed Jan. 3, 1927.

BROWNBILT
ARCH-UP

Applicant owns registration No. 157,012.
Particular description of goods.—Shoes Made of Leather, Cloth, Canvas, or Combinations Thereof.
Claims use since Dec. 24, 1926.

Ser. No. 242,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROWNTREE & COMPANY, LIMITED, York, England. Filed Jan. 6, 1927.



Applicant disclaims any attempt to cover in this registration the word "York" except in the precise relation and association in which the same appears therein.
Particular description of goods.—Cocoa, Chocolate, Candy, Table Jellies, and Toffee.
Claims use since Dec. 29, 1925.

Ser. No. 242,472. (CLASS 32. FURNITURE AND UPHOLSTERY.) BUFFALO LOUNGE COMPANY, Buffalo, N. Y. Filed Jan. 7, 1927.

Luxart UPHOLSTERED FURNITURE

The words "Upholstered Furniture" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Upholstered Davenports, Upholstered Chairs, Upholstered Footstools, Upholstered Benches, Upholstered Davenport Beds; and Upholstered Chaise Longues.
Claims use since Dec. 1, 1924.

Ser. No. 242,490. (CLASS 12. CONSTRUCTION MATERIALS.) NEW JERSEY LIME PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 7, 1927.

MAGIc

Particular description of goods.—Lime and Limestone for Construction Purposes.
Claims use since Mar. 15, 1925.

Ser. No. 242,533. (CLASS 37. PAPER AND STATIONERY.) HERMAN GROVER, New York, N. Y. Filed Jan. 8, 1927.

BELVIDERE BOND

No claim is made to the word "Bond" apart from the mark as shown.

Particular description of goods.—Writing Paper.

Claims use since about Dec. 24, 1926.

Ser. No. 242,549. (CLASS 39. CLOTHING.) JOSEPH H. RUBINOW, INC., New York, N. Y. Filed Jan. 8, 1927.

SATANÉ FELTS IMPORTED

The words "Felts," "Imported," and "Satané" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Women's Hats.

Claims use since Dec. 1, 1926.

Ser. No. 242,583. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GENERAL EMBROIDERY & MILITARY SUPPLY CO., INC., New York, N. Y. Filed Jan. 10, 1927.

PARAMOUNT

Particular description of goods.—Insignias and Emblems Consisting of Badges, Medallions, Buttons Plated with Precious Metal as Used by Military and Civilian Organizations.

Claims use since August, 1926.

Ser. No. 242,592. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL COMPANY, Wilmington, Del., and Washington, D. C. Filed Jan. 10, 1927.

INOCO

Particular description of goods.—Motor Fuels More Particularly Gasoline.

Claims use since June 1, 1926.

Ser. No. 242,633. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED FUEL & SUPPLY COMPANY, Detroit, Mich. Filed Jan. 10, 1927.

Sunshine Service

Particular description of goods.—Magazine Published Monthly by Distributors of Coal, Coke, and Builders' Supplies.

Claims use since about Dec. 3, 1926.

Ser. No. 242,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE CASH MARKET COMPANY, Chicago and Evanston, Ill. Filed Jan. 10, 1927.

OUR OWN BRAND



The drawing having the main body or shield lined to indicate orange color. No claim is made for the exclusive use of the words "Market" and "Our Own Brand" apart from the mark shown.

Particular description of goods.—Pork Sausage and Bacon, the Bacon Being in Sliced Form.

Claims use since on or about the 20th of November, 1926.

Ser. No. 242,646. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY WORETZ, Waukegan, Ill. Filed Jan. 10, 1927.



Particular description of goods.—Ginger Ale and Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Oct. 16, 1926.

Ser. No. 242,668. (CLASS 39. CLOTHING.) HEIDELBERG, WOLFF & CO., New York, N. Y. Filed Jan. 11, 1927.

EXCLUSIVE TIPPERARY TWIST FOREIGN FABRICS

Applicant disclaims exclusive right to the term "Tipperary" or the term "Twist" except when used together, also to the words "Exclusive Foreign Fabrics" apart from the mark shown.

Particular description of goods.—Outer Clothing—Namely, Overcoats, Raincoats, Smoking Jackets, House Coats, Norfolk Jackets, Topcoats, Sack Suits, Golf Suits, and Sport Suits for Men.

Claims use since on or about June, 1925.

Ser. No. 242,772. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN LEROY BEAVER, Philadelphia, Pa. Filed Jan. 13, 1927.

BALCONES

Particular description of goods.—Polishing and Burnishing Material Made of Metal.

Claims use since Nov. 30, 1926.

Ser. No. 242,787. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) KNOWLES & COMPANY, INC., Boston, Mass. Filed Jan. 13, 1927.

HELLUVA

Particular description of goods.—Pipes.

Claims use since Mar. 28, 1926.

Ser. No. 242,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MENLEY & JAMES, LTD., NEW YORK, New York, N. Y. Filed Jan. 17, 1927.

DISPERSULES

"Dispersules."

Particular description of goods.—Medicinal Agents—Namely, Arsenic, Mercury, Iron, Sulphur, Bismuth, Lead, Antimony to be Used for Intradermal, Intramuscular, and/or Intravenous Medication.

Claims use since Dec. 31, 1926.

Ser. No. 242,958. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MURINE COMPANY, INC., Chicago, Ill. Filed Jan. 17, 1927.



Particular description of goods.—Eye Remedies and Eye Salve.

Claims use since November, 1926.

Ser. No. 242,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. JOHN ELDRIDGE, Jr., Hepworth, Ontario, Canada. Filed Jan. 18, 1927.

GOOD FOR EVERY DAY IN THE YEAR CA-PO-RA PUDDING SUPERIOR TO PEAR PUDDING

All wording with the exception of the word "Ca-po-ra" disclosed in this mark is hereby disclaimed.

Particular description of goods.—Plum Pudding Composed of Vegetables, Fruits, and Suet, Sugar, and Flour With Spices.

Claims use since Nov. 6, 1926.

Ser. No. 242,989. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRAD, INC., New York, N. Y. Filed Jan. 18, 1927.

PHASATROL

Particular description of goods.—Stabilizers for Electric Circuits.

Claims use since Nov. 15, 1926.

Ser. No. 243,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WORSTELL, St. Louis, Mo. Filed Jan. 19, 1927.

"GIMME SOMMORE"

Particular description of goods.—Salted Peanuts.

Claims use since Dec. 7, 1926.

Ser. No. 243,178. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STERLING ENGINE COMPANY, Buffalo, N. Y. Filed Jan. 21, 1927.

PETREL

Particular description of goods.—Internal-Combustion Engines.
Claims use since Oct. 29, 1926.

Ser. No. 243,192. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY BORGSMILLER & SONS, Murphysboro, Ill. Filed Jan. 22, 1927.

Skyline

"Skyline."
Particular description of goods.—Rolled Oats, Cocoa, Catchup, Dried Currants, Dates, Mincemeat, Lemon and Vanilla Extracts for Food Flavoring, Hard-Wheat Flour, Pancake Flour, Evaporated Milk, Prepared Mustard, Macaroni, Spaghetti, Noodles, Olives, Peanut Butter, Vegetable Relishes, Corn Sirup, Corn Starch, and Vinegar.
Claims use since May 1, 1918.

Ser. No. 243,241. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANGELO SPARTA, doing business as The Sparta Chemical Co., Hoboken, N. J. Filed Jan. 22, 1927.

LONG LIFE HERBS TEA

No claim is made to the words "Herbs Tea" except in combination with the words "Long Life."
Particular description of goods.—Medical Preparation for the Treatment of Infection in the Stomach, Intestinal Catarrh, Indigestion, Dyspepsia, Colic, Gas, Constipation, Sick Headache, Liver Trouble, Kidney and Bladder Affections, and Rheumatism.
Claims use since about Jan. 15, 1927.

Ser. No. 243,253. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUDLEY V. CASSARD, doing business as Cassard Specialty Laboratories, Grand Rapids, Mich. Filed Jan. 24, 1927.

Super-Power

No claim is made to the word "Power" standing alone.
Particular description of goods.—Chemical Gasoline Energizer.
Claims use since Oct. 23, 1926.

Ser. No. 243,255. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. DI FIORE CANNING COMPANY, San Jose, Calif. Filed Jan. 24, 1927.

EL MARINO

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Aug. 14, 1914.

Ser. No. 243,340. (CLASS 39. CLOTHING.) BATES THOMPSON, INC., New York, N. Y. Filed Jan. 26, 1927.

Airkraft

Particular description of goods.—Men's, Women's, and Children's Straw, Panama, and Felt Hats.
Claims use since Jan. 1, 1926.

Ser. No. 243,342. (CLASS 39. CLOTHING.) MAX BRODY, doing business as Brody Brothers, New York, N. Y. Filed Jan. 26, 1927.

BROTEX

Particular description of goods.—Hosiery, Knitted and Woven Underwear, Sweaters and Bathing Suits for Men, Women, and Children, Dress and Work Shirts.
Claims use since Dec. 15, 1918.

Ser. No. 243,368. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM O. ISAACSON, Chicago, Ill. Filed Jan. 26, 1927.



Particular description of goods.—Anchors Used in Building Constructions.
Claims use since Apr. 1, 1926.

Ser. No. 243,376. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA VERNE ORANGE ASSOCIATION, La Verne, Calif. Filed Jan. 26, 1927.

La Verne Beauties

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1910.

Ser. No. 243,378. (CLASS 39. CLOTHING.) JOSEPH S. LERNER, doing business as Vogue Hosiery Shops, Kansas City, Kans. Filed Jan. 26, 1927.



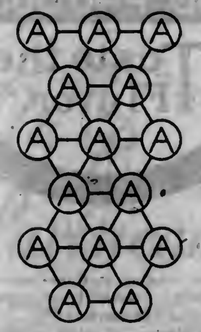
Particular description of goods.—Men, Women, and Children's Hosiery.
Claims use since Jan. 3, 1927.

Ser. No. 243,394. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD INSULATION COMPANY, Rutherford, N. J. Filed Jan. 26, 1927.

AIRCOTE

Particular description of goods.—Varnish and Automobile Enamel.
Claims use since about Jan. 1, 1926.

Ser. No. 243,409. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Jan. 27, 1927.



Particular description of goods.—Cork Material for Use in the Manufacture of Slip Insoles, Box Toes for Shoes, or Similar Purposes.
Claims use since Jan. 5, 1927.

Ser. No. 243,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDMOND BULLIARD, doing business as Evangeline Pepper Products Ed. Bulliard, St. Martinville, La. Filed Jan. 28, 1927.



The geographical words "On Bayou Teche St. Martinville" are disclaimed apart from the entire mark as shown.
Particular description of goods.—Foods and Ingredients of Foods—To wit, Pure Pepper Sauce (Made With Peppers, Vinegar, and Salt), Whole Pepper Sauce (Made with Whole Peppers and Vinegar), Red Powdered Cayenne Pepper (Made from Dried Pepper Pods), La Red Hot Extract of Cayenne Peppers (Made with Vinegar and Salt), Skinless Preserved Figs (Made with Fresh Figs and Sugar), Fig Jam (Made with Crushed Figs and Sugar), Pure Strawberry Preserves (Made with Strawberries and Sugar), Pecan Halves in Glass, Creole Catchup (Made with Tomatoes, Onions, Spices, and Vinegar), Sweet Catchup (Made with Tomatoes, Onions, Spices, Vinegar, and Sugar), Salad Mustard (Made with Mustard Seeds, Vinegar, and Salt), Distilled Vinegar, Gumbo Filé (Made with Sassafras Leaves), Horse-Radish (Made with Horse-Radish Roots and Vinegar), Cocktail Sauce (Made with Tomato Catchup and Horse-Radish), Sandwich Spread (Made with Cotton-Seed Oil, Eggs, and Pickles), Hot Relish (Made with Extract of Peppers and Vegetables), Vegetable Relish (Made with Mustard, Vegetables, and Pimiento Peppers), Pimiento Relish (Made with Vegetables and Pimiento Peppers), Sweet Pickles (Made with Cucumbers, Vinegar, and Sugar and Spices), Sour Pickles (Made with Cucumbers and Vinegar), Pickle Chips (Made with Cucumbers and Spiced Vinegar), Creole Onions (Made with Creole Onions and Vinegar).
Claims use since Dec. 1, 1912.

Ser. No. 243,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROMAGERIES BEL, Lons-Le-Saunier, Jura, France. Filed Jan. 29, 1927.



No claim is made to the exclusive use of the wording excepting the word "L'Armailli," apart from the mark shown in the drawing.
Particular description of goods.—French Gruyère Cheese.
Claims use since March, 1921.

Ser. No. 243,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROMAGERIES BEL, Lons-Le-Saunier, Jura, France. Filed Jan. 29, 1927.



No claim is made to exclusive use of the wording excepting the word "Bel" apart from the mark shown in the drawing.

Particular description of goods.—French Gruyère Cheese.

Claims use since June, 1924.

Ser. No. 243,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROMAGERIES BEL, Lons-Le-Saunier, Jura, France. Filed Jan. 29, 1927.



No claim is made to the exclusive use of the wording, except the words "Fromageries Bel" and "La Vache qui Rit" apart from the mark shown in the drawing.

Particular description of goods.—French Gruyère Cheese.

Claims use since February, 1921.

Ser. No. 243,570. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALROD CHEMICAL COMPANY, Hartford, Conn. Filed Jan. 29, 1927.



The words "Radiator Cleanser" and "Removes" are disclaimed apart from the other features of the mark shown on the drawing.

Particular description of goods.—Powder Employed as a Radiator Cleanser.

Claims use since Jan. 1, 1927.

Ser. No. 243,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL A. WEITZ, Somerville, Mass. Filed Jan. 29, 1927.



The descriptive reading matter—namely, "Food Products" and "Taste the Flavor" is not claimed apart from the other features of the mark.

Particular description of goods.—Frankfurts, Weiner-Style Sausage, Link Sausage, Pork Sausage, Liver-Style Sausage, and Bologna Sausage, Polish Sausage, Blood Sausage, Luncheon Meat Loaf, Minced Meat Loaf, Boiled and Baked Ham, and Pressed Ham.

Claims use since Feb. 1, 1925.

Ser. No. 243,580. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COLUMBIA TOOL STEEL COMPANY, Chicago Heights, Ill. Filed Jan. 31, 1927.

SUPERDIE

The word "Die" is disclaimed except as used with the prefix super as shown on the mark in the drawing.

Particular description of goods.—Tool Steel.

Claims use since Dec. 20, 1926.

Ser. No. 243,591. (CLASS 12. CONSTRUCTION MATERIALS.) COMPOUND & PYROXO DOOR COMPANY, St. Joseph, Mich. Filed Jan. 31, 1927. Under 10-year proviso.

Compound
KEY-VENEERED
DOORS

Particular description of goods.—Doors of Wood Construction.

Claims use since 1892.

Ser. No. 243,631. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) VACUUM CAN COMPANY, Chicago, Ill. Filed Jan. 31, 1927.

DURO-CHROME

The word "Chrome" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Chromium Plate.

Claims use since Dec. 28, 1926.

Ser. No. 243,681. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK COMPANY, New York, N. Y. Filed Feb. 2, 1927.



Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Skin Lotions, Perfumes, Hair Tonics, Hair Oils, Tooth Paste, Dentifrices, Deodorising Preparations, Shampoos, Talcum Powder, Foot Powders, Sachets, Smelling Salts, Bath Salts, Incense, and Solid Perfumes.

Claims use since Dec. 29, 1926.

Ser. No. 243,685. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM BLOOM & COMPANY, INC., New York, N. Y. Filed Feb. 2, 1927.

HINANO
SOUTH
SEA
FLOWERS

Particular description of goods.—Perfumes, Floral Water, Bath Salts, Face Powder, Bath Powder, and Lip Sticks.

Claims use since Oct. 15, 1926.

Ser. No. 243,718. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUNDBORG, INC., New York, N. Y. Filed Feb. 2, 1927.

NADA

The linings on the drawing are for shading purposes only.

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, Sachets, and Solid Perfumes.

Claims use since May 5, 1892.

Ser. No. 243,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NICHOLSON THACKRAY COMPANY, Pawtucket, R. I. Filed Feb. 2, 1927.

ROGER WILLIAMS

The mark is the name of a leading exponent of freedom in religion and the founder of the Colony of Rhode Island.

Particular description of goods.—Canned Crab Meat, Canned Berries, Wheat Flour, Canned Vegetables, Canned Fruits, Salad Dressing, Pickles, Catchup, Pastry Flour, Bread Flour, Pancake Flour, Buckwheat Flour, Graham Flour, Breakfast Cereals, Canned Fish, Bread,

Canned Spaghetti, Bird Seed, Coffee, Tea, Cocoa, Chocolate, Molasses, Spice, Chili Sauce, Prepared Mustard, Chop Suey Sauce, Canned Chop Suey, Olive Oil, Canned Sauerkraut, Plum Pudding, Condensed Milk, Peanut Butter, Pickled Onions, Canned Clam Chowder, and Seeded and Seedless Raisins.

Claims use since Mar. 10, 1925.

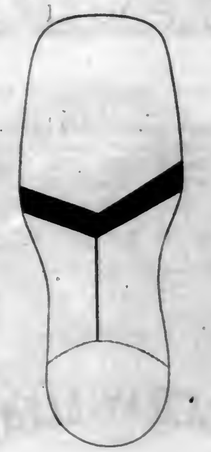
Ser. No. 243,748. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASTLE COMPANY, Lyons, N. Y. Filed Feb. 3, 1927.



Particular description of goods.—Canned Vegetables—Namely, Canned Sauerkraut.

Claims use since Jan. 17, 1927.

Ser. No. 243,758. (CLASS 39. CLOTHING.) THE P. HAGERTY SHOE COMPANY, Washington, Ohio. Filed Feb. 3, 1927.



The mark consists of two bars meeting at an angle situated on the shoe sole immediately forward of the shank. Exclusive use of the representation of a shoe sole is not claimed.

Particular description of goods.—Shoes of Leather and of Leather and Fabric Combinations.

Claims use since July 1, 1926.

Ser. No. 243,774. (CLASS 39. CLOTHING.) ORIGINAL HAT WORKS, Chicago, Ill. Filed Feb. 3, 1927.



Particular description of goods.—Ladies' Hats.

Claims use since Dec. 1, 1926.

Ser. No. 243,826. (CLASS 37. PAPER AND STATIONERY.) PARAGRAVING PRESS, INC., New York, N. Y. Filed Feb. 4, 1927.

Paragraving

Particular description of goods.—Stationery—Namely, Letter Paper, Mailing Envelopes, and Correspondence Cards.

Claims use since Sept. 22, 1926.

Ser. No. 243,873. (CLASS 39. CLOTHING.) MORVAY AND SONS COMPANY, Bridgeton, N. J. Filed Feb. 5, 1927.



Applicant disclaims all right to exclusive use of the word "Undergarments" shown on the drawing. The showing of the figure of a woman in the mark is fanciful and is not the portrait of an individual either living or deceased.

Particular description of goods.—Knitted and Woven Undershirts, Underdrawers, Union Suits, Corset Covers, Bloomers, Underskirts, Slips, Chemises, Kimonos, Nightgowns, Pyjamas, and Brassières and Underwear Made of Either Knitted or Textile Fabric for Use by Men, Women, or Children.

Claims use since Dec. 10, 1926.

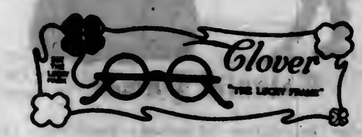
Ser. No. 243,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY PRODUCE COMPANY, San Francisco and El Centro, Calif. Filed Feb. 5, 1927.

Valley Queen

Particular description of goods.—Fresh Vegetables.

Claims use since Jan. 1, 1926.

Ser. No. 243,907. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio. Filed Feb. 5, 1927.



All wording except the words "Clover" and "Lucky" wherever they may appear thereon are disclaimed. Exclusive right to the pictorial representation of the spectacle frames apart from the mark shown in the drawing is disclaimed.

Particular description of goods.—Spectacle Frames.

Claims use since Jan. 18, 1927.

Ser. No. 243,909. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM F. WILSON, doing business as Swift-Go Products Co., Trenton, N. J. Filed Feb. 5, 1927.

Swift-Go

Particular description of goods.—Liniment, Hairdressing, Hair Shampoo, and Face Creams.

Claims use since Feb. 28, 1923.

Ser. No. 243,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KILLEM MANUFACTURING COMPANY, Orlando, Fla. Filed Feb. 7, 1927.

"Pine-Ite"

Particular description of goods.—Insecticide.

Claims use since Jan. 1, 1927.

Ser. No. 243,989. (CLASS 38. PRINTS AND PUBLICATIONS.) WORZALLA PUBLISHING COMPANY, Stevens Point, Wis. Filed Feb. 7, 1927.



Particular description of goods.—Wall Calendars.

Claims use since Oct. 1, 1926.

Ser. No. 244,000. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Filed Feb. 8, 1927.



Applicant makes no claim to the exclusive use of the representation of a carton appearing on the drawing or to any of the words appearing upon said trade-mark other than "Colgate's," "Colgate & Co.," "C & Co.," and "Handy Grip." Exclusive use of the word "Grip" is disclaimed except in connection with the word "Handy." The lining denotes the color blue.

Particular description of goods.—Shaving Soap and Shaving Sticks.

Claims use since Aug. 15, 1916.

Ser. No. 244,025. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROBERTI BROS., Los Angeles, Calif. Filed Feb. 8, 1927.



Particular description of goods.—Bed Springs.

Claims use since Jan. 7, 1926.

Ser. No 244,065. (CLASS 38. PRINTS AND PUBLICATIONS.) ECKER & CO. INC., St. Louis, Mo. Filed Feb. 9, 1927.

CAMERAGRAVURE

The word "Gravure" is disclaimed apart from the mark shown.

Particular description of goods.—Greeting Cards, Books, and Booklets.

Claims use since Jan. 28, 1927.

Ser. No. 244,066. (CLASS 38. PRINTS AND PUBLICATIONS.) ECKER & CO. INC., St. Louis, Mo. Filed Feb. 9, 1927

Feeltype Printing
"YOUR FINGERS CAN TELL"

Applicant disclaims the words "Printing" and "Your Fingers Can Tell" appearing in the drawing apart from the mark shown.

Particular description of goods.—Greeting Cards, Books, and Booklets.

Claims use since Jan. 28, 1927.

Ser. No. 244,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PALAIS ROYAL, INC., Washington, D. C. Filed Feb. 9, 1927.



The words "Washington, D. C." are disclaimed apart from the mark shown. The representation of a woman is a fanciful picture.

Particular description of goods.—Toilet Waters, Perfumes, Face Powder in Bulk, Face Powder in Compacts, Lip Sticks in Metal or Composition Containers, Rouge in Compacts, Lip Sticks in Match Form, Face Creams and Lotions, Hair Tonics, Skin Tonics, Hair Remover, Tooth Paste, Mouth Washes, Anitseptics, Nail Polishes, Deodorant, Bath Salts.

Claims use since Jan. 21, 1927.

Ser. No. 244,099. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE PALAIS ROYAL, INC., Washington, D. C. Filed Feb. 9, 1927.



The words "Washington, D. C." are disclaimed apart from the mark as shown. The representation of a woman is a fanciful picture.

Particular description of goods.—Kitchen Cabinets, Sewing Cabinets, Card Tables, Upholstered Chairs, Windsor Chairs, Chaise Longues, and Gate-Leg Tables.

Claims use since Jan. 21, 1927.

Ser. No. 244,111. (CLASS 38. PRINTS AND PUBLICATIONS.) ST. PETERSBURG BOND & MORTGAGE COMPANY, St. Petersburg, Fla. Filed Feb. 9, 1927.

The St. Petersburg Investor

"The St. Petersburg Investor."

Particular description of goods.—Irregularly Published Trade Paper.

Claims use since Dec. 15, 1926.

Ser. No. 244,137. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLONIAL DAMES CORPORATION, Los Angeles, Calif. Filed Feb. 10, 1927.



Particular description of goods.—Beautifier, (Paste Form), Rouge, Shampoo, Hair Tonic, Depilatory, Eye-Brow Pencil, Face Powder, Massage Cream, and Perfume.

Claims use since Jan. 5, 1906, for beautifier and massage cream and rouge and since December, 1914, for shampoo, hair tonic, depilatory, eyebrow pencil and face powder.

Ser. No. 244,152. (CLASS 39. CLOTHING.) H. O. GRASSMUCK COMPANY, Los Angeles, Calif. Filed Feb. 10, 1927.

Gilda

Particular description of goods.—Hosiery.

Claims use since Sept. 15, 1926.

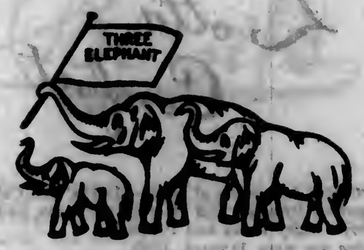
Ser. No. 244,202. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Feb. 11, 1927. Under 10-year proviso.

WALTHAM

Particular description of goods.—School and Artists' Crayons.

Claims use since Jan. 1, 1893.

Ser. No. 244,203. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN POTASH & CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 11, 1927.



Particular description of goods.—Borax and Boric Acid.

Claims use since July, 1919, on borax and since Feb. 25, 1925, on boric acid.

Ser. No. 244,205. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARVEO INDUSTRIES, Grosse Ile, Mich. Filed Feb. 11, 1927.

ARVEO

The lining in the drawing is merely for the purpose of shading. Trade-mark is Arveo and fleur-de-lis design.

Particular description of goods.—Treated Polishing Cloths and Dusting Cloths.

Claims use since Nov. 27, 1926.

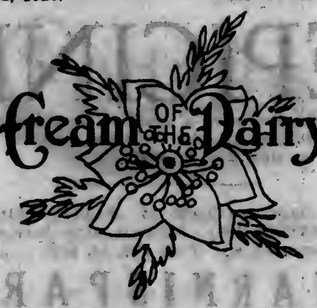
Ser. No. 244,232. (CLASS 12. CONSTRUCTION MATERIALS.) KING REFRACTORIES COMPANY, INCORPORATED, Buffalo, N. Y. Filed Feb. 11, 1927.

MONO

Particular description of goods.—High-Temperature Cement.

Claims use since May 9, 1921.

Ser. No. 244,292. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J. Filed Feb. 12, 1927.



Particular description of goods.—Soap.

Claims use since July 10, 1895.

Ser. No. 244,295. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J. Filed Feb. 12, 1927.



Particular description of goods.—Soap.

Claims use since Aug. 16, 1922.

Ser. No. 244,297. (CLASS 39. CLOTHING.) FAIR WAIST & DRESS CO., INC., New York, N. Y. Filed Feb. 12, 1927.

Miss Fair, Jr.

Particular description of goods.—Women's and Misses' Dresses.

Claims use since Dec. 1, 1926.

Ser. No. 244,327. (CLASS 12. CONSTRUCTION MATERIALS.) THE SPARTA CERAMIC COMPANY, East Sparta, Ohio. Filed Feb. 12, 1927.

MOKI

Particular description of goods.—Tiles.

Claims use since Aug. 13, 1926.

Ser. No. 244,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARNOLD LOUIS VAN AMERINGEN, New York, N. Y. Filed Feb. 12, 1927.

EPICINE

Particular description of goods.—Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since Jan. 22, 1927.

Ser. No. 244,363. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NATIONAL AUTO VARNISPAR CO., INC., Louisville, Ky. Filed Feb. 14, 1927.

VARNISPAR

Particular description of goods.—Varnishes, Paint Enamels, Dry, Paste, and Ready-Mixed Paints, and Lacquers.
Claims use since Feb. 20, 1926.

Ser. No. 244,392. (CLASS 12. CONSTRUCTION MATERIALS.) CONCRETE EQUIPMENT CO., Holland, Mich. Filed Feb. 15, 1927.

TEXCRETE

Particular description of goods.—Brick, Tile, Blocks, and Concrete Structural Units.
Claims use since Dec. 1, 1926.

Ser. No. 244,393. (CLASS 39. CLOTHING.) E. COPLAN SONS, Baltimore, Md. Filed Feb. 15, 1927.

Witco Tie

No claim is made to the word "Tie" except in the relation shown.
Particular description of goods.—Neckties.
Claims use since Aug. 9, 1926.

Ser. No. 244,407. (CLASS 39. CLOTHING.) LIBERTY MANUFACTURING CO., Baltimore, Md. Filed Feb 15, 1927.

LIBERTY NIGHTWEAR
IS RIGHTWEAR

No claim is made to the word "Nightwear" apart from the mark shown in the drawing.
Particular description of goods.—Ladies' and Children's Nightgowns, Pyjamas, and Sleeping Garments, and Men's and Boys' Night Robes and Pyjamas.
Claims use since July, 1921.

Ser. No. 244,408. (CLASS 39. CLOTHING.) LIBERTY MANUFACTURING CO., Baltimore, Md. Filed Feb. 15, 1927.

Lotta Comfort

Particular description of goods.—Ladies' and Children's Nightgowns, Pyjamas, and Sleeping Garments, and Men's and Boys' Night Robes and Pyjamas.
Claims use since January, 1925.

Ser. No. 244,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. R. LOVE, doing business as The Summit Laboratories, Oconomowoc, Wis. Filed Feb. 16, 1927.

Kuperol

Particular description of goods.—Tooth Paste, Mouth Wash, Hand Lotion, and Rubbing Alcohol.
Claims use since Nov. 15, 1926.

Ser. No. 244,469. (CLASS 37. PAPER AND STATIONERY.) POSTAL PEN COMPANY, INC., New York, N. Y. Filed Feb. 16, 1927.



Applicant does not claim as a trade-mark the representation of the fountain pen per se, the fountain pen being shown in the drawing merely for the purpose of illustrating the trade-mark, which consists in an amber-colored fountain-pen body portion with black end portions.
Particular description of goods.—Fountain Pens.
Claims use since about July 1, 1925.

Ser. No. 244,490. (CLASS 39. CLOTHING.) BOYD-RICHARDSON COMPANY, St. Louis, Mo. Filed Feb. 17, 1927. Under 10-year proviso.

Boyd's

Particular description of goods.—Men's Dress, Negligee, and Work Shirts and Undershirts, Hosiery; Mens' Knitted and Textile Fabric Underwear and Pyjamas, Nightshirts, and Ties.
Claims use since about 1884.

Ser. No. 244,506. (CLASS 12. CONSTRUCTION MATERIALS.) THE LUMBERMEN'S DOOR & TRIM COMPANY, Cleveland, Ohio. Filed Feb. 17, 1927.

RAPTRIM

Particular description of goods.—Wrapped Units of Interior Wood Moldings and Wrapped Long-Length Lineal Stock of Interior and Exterior Wood Moldings.
Claims use since Jan. 31, 1927.

Ser. No. 244,523. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WADE & BUTCHER CORPORATION, Jersey City, N. J. Filed Feb. 17, 1927.

INDAJADE

Particular description of goods.—Handles for Knives, Forks, and Razors.
Claims use since Jan. 20, 1927.

Ser. No. 244,532. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AEROVOX WIRELESS CORPORATION, Brooklyn, N. Y. Filed Feb. 18, 1927.

PYROHM

Particular description of goods.—Resistances, for Use to Control Current in Electrical and Radio Circuits.
Claims use since Feb. 14, 1927.

Ser. No. 244,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL A. GOLDSTEIN, doing business as Century Pharmacal Co., New York, N. Y. Filed Feb. 18, 1927.

Codulin

Particular description of goods.—Medicinal Preparation, Being an Antiseptic Preparation for Use as a Mouth Wash and Serving as a Relief for Colds and Catarrh.
Claims use since January, 1921.

Ser. No. 244,562. (CLASS 39. CLOTHING.) LUCKY STRIPE TAILORING CO., New York, N. Y. Filed Feb. 18, 1927.

LUCKY STRIPE
"IT'S TAILORED"

Applicant disclaims exclusive right to the words "Stripe Its Tailored" except as the same are used in connection with the other features of the mark.
Particular description of goods.—Men's and Young Men's Coats, Vests, Trousers, Overcoats, and Topcoats.
Claims use since Dec. 27, 1926.

Ser. No. 244,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITY CHEMICAL PRODUCTS COMPANY, Santa Rosa, Calif. Filed Feb. 18, 1927.

SNOWHITE

Particular description of goods.—A Laundry Bleach.
Claims use since on or about Dec. 15, 1925.

Ser. No. 244,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. D. WILEY, Madison, Ark. Filed Feb. 18, 1927.

"REKS-O-PEL"

Particular description of goods.—Preparation for Use in the Treatment of Pellagra and Chronic Indigestion.
Claims use since 1913.

Ser. No. 244,599. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BARNET LEATHER CO., INC., New York, N. Y. Filed Feb. 19, 1927.

KIDDO

Particular description of goods.—Leather.
Claims use since May, 1926.

Ser. No. 244,600. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDMUND BAUDER, Chicago, Ill., Filed Feb. 19, 1927.

AIRIA

Particular description of goods.—Radio Receiving Sets and Radio Sending Sets, Aerials, Sound Amplifying Horns, Transformers, Modulators, Tube Detectors, Condensers, and Amplifying Tone Chambers for Use With Radio Apparatus.
Claims use since December, 1926.

Ser. No. 244,605. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Feb. 19, 1927.

NANCY

Particular description of goods.—Crepe Paper Doll Outfits.
Claims use since Jan. 11, 1927.

Ser. No. 244,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM S. MICHELBACK, Alexandria, Va. Filed Feb. 19, 1927.

TEMAR

Particular description of goods.—Insecticide.
Claims use since July 1, 1926.

Ser. No. 244,622. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Feb. 19, 1927.

The Social Corner

Particular description of goods.—Particular Column of News in the Morning Telegraph (Newspaper).
Claims use since Apr. 17, 1926.

Ser. No. 244,636. (CLASS 2. RECEPTACLES.) NATIONAL FIBRE BOX COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 19, 1927.

UPER—DOWN

Particular description of goods.—Boxes and Cartons Made From Fiber-Paper Materials Usually Termed Boxboard or Fiber Board.
Claims use since Jan. 3, 1927.

Ser. No. 244,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REICHMAN & FAUST, New York, N. Y. Filed Feb. 19, 1927.

Pearlac

Particular description of goods.—Nail Polish.
Claims use since Dec. 1, 1926.

Ser. No. 244,638. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED STATES ELECTRICAL MANUFACTURING COMPANY, Los Angeles, Calif. Filed Feb. 19, 1927.

Asbestosite

Particular description of goods.—Electric Motors.
Claims use since Feb. 5, 1927.

Ser. No. 244,641. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Feb. 19, 1927.

SUPERLATHER

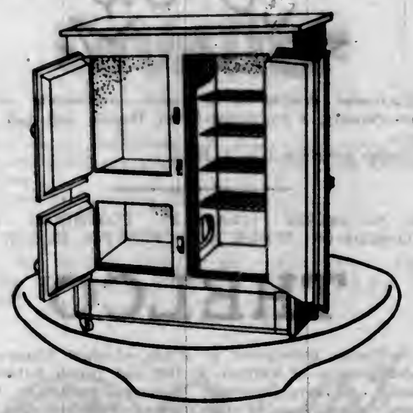
Applicant disclaims the use of the word "Lather" apart from the mark shown.
Particular description of goods.—Shaving Cream to be Used Before Shaving, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel, Laundry Soaps, Soap Flakes, Hand Soap, Toilet Soaps, Soap Pastes, and Shampoo Soaps.
Claims use since Jan. 25, 1927.

Ser. No. 244,669. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CONTINENTAL CHEMICAL CORPORATION OF ILLINOIS, Wateska, Ill. Filed Feb. 21, 1927.

RUBBER-VAR

Right to the exclusive use of the word "Rubber" apart from the mark as shown is hereby disclaimed.
Particular description of goods.—Semiliquid Floor Polish for Rubber Floors.
Claims use since Oct. 1, 1926.

Ser. No. 244,673. (CLASS 31. FILTERS AND REFRIGERATORS.) ELECTRIC REFRIGERATION CORPORATION, Detroit, Mich. Filed Feb. 21, 1927.



The representation of the refrigerator apart from the mark shown in the drawing is disclaimed.
Particular description of goods.—Refrigerators and Refrigerator Parts.
Claims use since about Jan. 1, 1914.

Ser. No. 244,688. (CLASS 39. CLOTHING.) GEORGE BRUNSSEN COMPANY, New York, N. Y. Filed Feb. 21, 1927.

"JIFY-CHANGE" KOVER

Particular description of goods.—Sweatbands for Headgear.
Claims use since Oct. 1, 1926.

Ser. No. 244,690. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE GOULD COUPLER CO., New York, N. Y. Filed Feb. 21, 1927.

G

Particular description of goods.—Rough and Finished Hard and Malleable Iron and Electric and Cast Steel Castings.
Claims use since May 14, 1904.

Ser. No. 244,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCLARENS, LIMITED, Hamilton, Ontario, Canada. Filed Feb. 21, 1927.

McLAREN'S INVINCIBLE

The surname McLaren's is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Jelly Powder.
Claims use since Oct. 27, 1905.

Ser. No. 244,716. (CLASS 39. CLOTHING.) PAULO SILK COMPANY, Duluth, Minn. Filed Feb. 21, 1927.

Paulo

Particular description of goods.—Women's Silk Hosiery, Dresses, Shawls, Scarfs, Pullman Robes, Coats, Women's Knitted Underwear of Silk, Wool, and Cotton and Combinations of the Same.
Claims use since Aug. 1, 1926.

Ser. No. 244,718. (CLASS 10. FERTILIZERS.) PHOSPHATES DE SAINT-SYMPHORIEN, Saint-Symphorien, near Mons, Belgium. Filed Feb. 21, 1927.

SYMDA

Particular description of goods.—Phosphates and Other Fertilizers.
Claims use since October, 1926.

Ser. No. 244,726. (CLASS 39. CLOTHING.) BERNICE SINCLAIR, Indianapolis, Ind. Filed Feb. 21, 1927.

TAK-A-LONG

Particular description of goods.—Hats and Dresses for Women and Children.
Claims use since Feb. 1, 1927.

Ser. No. 244,794. (CLASS 39. CLOTHING.) THE SLIPPER SHOP, INC., Chicago, Ill. Filed Feb. 23, 1927.



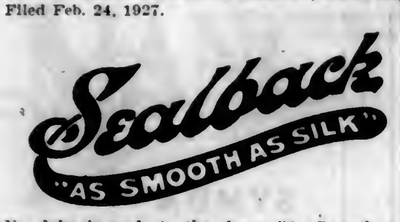
No claim is made to the representation of the goods.
Particular description of goods.—Hosiery.
Claims use since Feb. 21, 1927.

Ser. No. 244,805. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WARNER GEAR COMPANY, Muncie, Ind. Filed Feb. 23, 1927.



The word "Transmission" does not form a part of the registration sought apart from the mark in the drawing.
Particular description of goods.—Automobile Transmissions.
Claims use for the word "Warner" and triangular design since Jan. 20, 1916, and the word "Hi-Flex" since Feb. 15, 1927.

Ser. No. 244,816. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BROWNING-ROBERTS BELTING COMPANY, Knoxville, Tenn. Filed Feb. 24, 1927.



No claim is made to the slogan "As Smooth As Silk" apart from the mark "Sealback."
Particular description of goods.—Leather Belting and Belt Lacing.
Claims use since Dec. 23, 1926.

Ser. No. 244,831. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Feb. 24, 1927.

KUR-LAC

No claim is made to the exclusive use of the word "Lac" aside from the mark shown.
Particular description of goods.—Lacquer.
Claims use since Jan. 10, 1927.

Ser. No. 244,849. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BORSUM BROS., New York, N. Y., and Jersey City, N. J. Filed Feb. 25, 1927.

OSOEASY

Particular description of goods.—Material for Polishing Metals.
Claims use since September, 1919.

Ser. No. 244,859. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FISHER & ROCKWELL, Chicago, Ill. Filed Feb. 25, 1927.

NoB-URN

Particular description of goods.—Automobile Accessory—Namely, a Combined Lever Handle and Ash Receiver.
Claims use since June 1, 1926.

Ser. No. 244,874. (CLASS 39. CLOTHING.) THE LINGERIE CO., Newark, N. J. Filed Feb. 25, 1927.

THELCO

Particular description of goods.—Ladies' Underwear and Nightwear of Knitted, Netted, and Textile Fabrics—Namely, Drawers, Step-Ins, Bloomers, Petticoats, Chemises, Nightdresses, Corset Covers, Pyjamas, Dancing Sets, and Costume Slips.
Claims use since May 15, 1919.

Ser. No. 244,911. (CLASS 12. CONSTRUCTION MATERIALS.) ARMSTRONG CORK & INSULATION COMPANY, Pittsburgh, Pa. Filed Feb. 26, 1927.

EUREKA

Particular description of goods.—Cork Board.
Claims use since 1910.

Ser. No. 244,916. (CLASS 39. CLOTHING.) LOUIS COLMAN, West Hampstead, London, England. Filed Feb. 26, 1927.



No claim is made to the words "Hosiery," "Colour," "Spring Needle," "Pure Silk Hose," "Style No. & Size," apart from the mark shown in the drawing.
Particular description of goods.—Stockings and Socks.
Claims use since Sept. 28, 1926.

Ser. No. 244,920. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES H. DUNSTER, doing business as Cavalier Coverlet Co., New York, N. Y. Filed Feb. 26, 1927.

Cavalier

"Cavalier."
Particular description of goods.—Bedcovers, Bedspreads, and Quilts Made of Cotton, Wool, and Mixtures Thereof.
Claims use since Dec. 15, 1926.

Ser. No. 244,974. (CLASS 39. CLOTHING.) BELG ART, INCORPORATED, Washington, D. C. Filed Feb. 28, 1927.



Particular description of goods.—Ladies', Misses', and Children's and Infants' Dresses and Wear—Namely, Hats, Caps, Hoods, Collars, Scarfs, Sashes, Belts for Outer Wear, Rompers, Tunics, Smocks, Negligees, Kimonos, Coats, Robes, Wrappers, Lounging Robes, Dressing Sacks, Blouses, Capes, Outer and Under Skirts, and Underwear Plain, Embroidered, and Hand Embroidered, in Knitted and Textile Fabrics.
Claims use since Jan. 5, 1921.

Ser. No. 244,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROOKLYN BUTTER & EGG PROTECTIVE ASSOCIATION, Brooklyn, N. Y. Filed Feb. 28, 1927.

B.J.
BRAND.

No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Eggs.
Claims use since Feb. 1, 1927.

Ser. No. 244,982. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CENOL COMPANY, Chicago, Ill. Filed Feb. 28, 1927.

CENOL

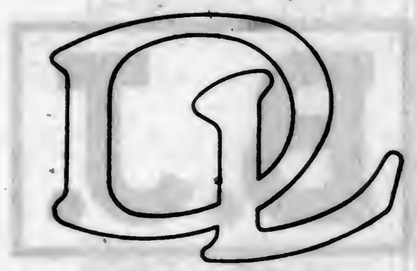
Particular description of goods.—Foot Soap, Cleaning Compounds for Clothes, Cleaning Compounds for Toilet Bowls, Shampoo Soap, and Liquid Soap.
Claims use since Jan. 2, 1922.

Ser. No. 244,994. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DELCO-LIGHT COMPANY, Dayton, Ohio. Filed Feb. 28, 1927.



The ground of the oval figure of the mark is colored blue, the border thereof yellow, and the monogram letters red, as indicated by the lining shown in the drawing.
Particular description of goods.—Pumps and Pumping Apparatus for Supplying Water Under Pressure in Residential and Farm Water-Supply Systems.
Claims use since July 8, 1926.

Ser. No. 244,995. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DELCO-LIGHT COMPANY, Dayton, Ohio. Filed Feb. 28, 1927.



"D L" arranged as a monogram.

Particular description of goods.—Pumps and Pumping Apparatus for Supplying Water Under Pressure in Residential and Farm Water-Supply Systems.

Claims use since July 8, 1926.

Ser. No. 245,013. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SPURGEON G. KOPP, doing business as Kopp Chemical Company, Kingston, Pa. Filed Feb. 28, 1927.

-KOPP'S-
MYSTIC

No claim is made to the word "Kopp's" apart from the mark shown.

Particular description of goods.—Metal Polish in Liquid Form.

Claims use since Feb. 21, 1927.

Ser. No. 245,038. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VINTNER IMPORT COMPANY, New York, N. Y. Filed Feb. 28, 1927.



Particular description of goods.—Grape Juice.

Claims use since Jan. 2, 1926.

Ser. No. 245,043. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BANKERS' METAL POLISH CO., Greensboro, N. C. Filed Mar. 1, 1927.

BANKERS
Metal Polish

The words "Metal Polish" appearing on the drawing are disclaimed apart from the other features of the mark shown.

Particular description of goods.—Metal Polish.

Claims use since Jan. 1, 1924.

Ser. No. 245,092. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MAX S. GREENWALD, New York, N. Y. Filed Mar. 2, 1927.

GRENAD

Particular description of goods.—Watches, Clocks, Watch Movements, Clock Movements, and Watch Dials.

Claims use since December, 1926.

Ser. No. 245,097. (CLASS 12. CONSTRUCTION MATERIALS.) KEYSTONE REFRACTORIES COMPANY, New York, N. Y. Filed Mar. 2, 1927.

Plastobrix

Particular description of goods.—Plastic Firebrick.

Claims use since Feb. 15, 1927.

Ser. No. 245,098. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. C. LAWRENCE LEATHER COMPANY, Boston, Mass. Filed Mar. 2, 1927.

LAWRO

Particular description of goods.—Leather.

Claims use since Oct. 1, 1926.

Ser. No. 245,101. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE LUDDEN-BURTON COMPANY, Worcester Mass. Filed Mar. 2, 1927.

SLEETOR

Particular description of goods.—Windshield Wipers of the Squeegee Type and Parts Thereof Including Inside and Outside Wiping Members.

Claims use since Jan. 3, 1927.

Ser. No. 245,115. (CLASS 15. OILS AND GREASES.) SPECIALTY PRODUCTS CO., New York, N. Y. Filed Mar. 2, 1927.

BUDDY

Particular description of goods.—Lubricating Oils.

Claims use since Aug. 1, 1924.

Ser. No. 245,130. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WICKWIRE SPENCER STEEL COMPANY, New York, N. Y. Filed Mar. 2, 1927.

WISCANE

Particular description of goods.—Perforated Sheet Metal to be Used for Industrial and Oranmental Purposes and of Nonprecious Composition.

Claims use since Feb. 1, 1927.

Ser. No. 245,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. C. WHITMAN, doing business as La Rosco Co., Macon, Ga. Filed Mar. 3, 1927.



Particular description of goods.—Hair Grower and Dressing.

Claims use since Jan. 29, 1927.

Ser. No. 245,230. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SMITH PREMIER TYPEWRITER COMPANY, Syracuse and New York, N. Y. Filed Mar. 4, 1927.



The ground of the disk on which the letters S P are superimposed is in practice colored blue and the letters themselves and the exterior circular ground are colored golden or yellow as indicated by the conventional lining in the drawing, but the coloring per se is disclaimed, it not being regarded as an essential of the mark.

Particular description of goods.—Typewriting Machines.

Claims use since about October, 1923.

Ser. No. 245,232. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPEAS MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 4, 1927.

NUTRL-JEL

Particular description of goods.—Mixture of Powdered Pectin and Acidified Sugar or Acidified Corn Sugar, Being Used in Quick Jelly-Making Processes.

Claims use since Mar. 15, 1926.

Ser. No. 245,296. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. J. REACH COMPANY, Philadelphia, Pa. Filed Mar. 5, 1927. Under 10-year proviso.



Particular description of goods.—Baseballs, Bats, Masks, Mitts, and Protectors, Boxing Gloves, Striking Bags, Striking-Bag Gloves, Striking-Bag Swivels, and Striking-Bag Platforms, Footballs, Foootball Bladders, Football Shin Guards, Football Head Harness, Football Nose Masks, Football Pads, Basket Balls, Medicine Balls, Handballs, Handball Gloves, Fencing Gloves and Plastrons, and Fencing Wrist and Ankle Supporters.

Claims use since 1884.

Ser. No. 245,318. (CLASS 15. OILS AND GREASES.) ARMOULD OIL COMPANY, Quincy, Ill. Filed Mar. 7, 1927.

HI-LIFE

Particular description of goods.—Gasoline.

Claims use since about October, 1919.

Ser. No. 245,383. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed Mar. 7, 1927.

TRICO VISIONALL

Particular description of goods.—Windshield Cleaners of the Squeegee Type.
Claims use since on or about Feb. 11, 1927.

Ser. No. 245,403. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM H. MANCHESTER, doing business as Vin Ade Company, Providence, R. I. Filed Mar. 8, 1927.

VinAde

Particular description of goods.—Nonalcoholic, Maltless Grape Sirup Used in the Preparation of Soft Drinks.
Claims use since on or about May 1, 1926.

Ser. No. 245,406. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALBANI H. PARADIS, doing business as Alhpa Chemical Company, Biddeford, Me. Filed Mar. 8, 1927.

Alhpa

Particular description of goods.—Stove Polish.
Claims use since Jan. 12, 1927.

Ser. No. 245,415. (CLASS 15. OILS AND GREASES.) UNIVERSAL SERVICE EVERYWHERE, INC., Los Angeles, Calif. Filed Mar. 8, 1927.

BONDED

Particular description of goods.—Petroleum Products, and Particularly Gasoline, Motor Oils, and Greases.
Claims use since Feb. 1, 1927.

Ser. No. 245,474. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) CONSUMERS BREWING COMPANY OF NEW YORK LIMITED, New York, N. Y. Filed Mar. 10, 1927.

"Kitchen"



Particular description of goods.—Malt Sirup.
Claims use since Feb. 5, 1927.

Ser. No. 245,478. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DEAN'S RAG BOOK CO. LTD., London, England. Filed Mar. 10, 1927.

DISMAL DESMOND

Particular description of goods.—Toy Animals Made Chiefly of Textile Materials.
Claims use since Apr. 16, 1926.

Ser. No. 245,507. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES MONTGOMERY, Mauck Port, Ind. Filed Mar. 10, 1927.

"REGULAR"

Particular description of goods.—Table Sirup.
Claims use since Mar. 1, 1927.

Ser. No. 245,523. (CLASS 39. CLOTHING.) STONE-TARLOW CO. INC., Brockton, Mass. Filed Mar. 10, 1927.

STONEZE

Particular description of goods.—Leather Shoes.
Claims use since on or about Jan. 1, 1925.

Ser. No. 245,527. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN MACHINE & FOUNDRY COMPANY, Jersey City, N. J., and New York, N. Y. Filed Mar. 11, 1927.

AMALOY

Particular description of goods.—Lead-Coated Articles—Condenser Tubes, Water-Meter Boxes, Bolts, Screws, Nails, Coil Springs, Window Screens, Acid-Tank Hoods,

Iron Wood Screws, Brass Wood Screws, Eyebolts, Lag Screws, Expansion Shields, Iron Pipe, Steel Pipe, Copper Pipe, Brass Pipe, Pipe Flanges, T's, L's, Door Hinges, Pipe Hangers, Drain Covers, Pipe Valves, Pipe Plugs, Pipe Nipples, Float Tanks, Sheet-Metal Screws, Wire Nails, Conduit-Pipe Bushings, Pipe Straps, Anchor Chains, Iron Washers, Steel Washers, Crate Handles, Pail Ears, Fire-Extinguisher Brackets, Acid-Tank Flanges, Hose Clamps, Rim Lugs, and Rim Screws.
Claims use since Jan. 1st, 1926.

Ser. No. 245,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FALIXAS LABORATORY, Bridgeport, Conn. Filed Mar. 11, 1927.

VI-TA-LI-TO

Particular description of goods.—Medicine for Use to Rejuvenate Glands, Aid Circulation, Build Health, and Restore Vitality.
Claims use since July 10, 1923.

Ser. No. 245,560. (CLASS 15. OILS AND GREASES.) JENKIN-GUERIN OIL COMPANY, St. Louis, Mo. Filed Mar. 11, 1927.

CASMINOYL

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Mar. 7, 1927.

Ser. No. 245,602. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HENRY S. WAMPOLE COMPANY, Baltimore, Md. Filed Mar. 11, 1927.

CREO-MINT

The word "Mint" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Cough Sirup Used in Connection With the Relief of Coughs, Colds, Hoarseness, Tickling of the Throat, and as a Soothing Expectorant.
Claims use since about Jan. 1, 1916.

Ser. No. 245,625. (CLASS 39. CLOTHING.) FIRESTONE FOOTWEAR COMPANY, Hudson, Mass. Filed Mar. 12, 1927.

SPORTPACS

Particular description of goods.—Boots and Shoes of Rubber and Fabric.
Claims use since Dec. 31, 1926.

Ser. No. 245,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KROGER GROCERY AND BAKERY COMPANY, Cincinnati, Ohio. Filed Mar. 12, 1927.

Country Club

Particular description of goods.—Jell Powder.
Claims use since Nov. 1, 1926.

Ser. No. 245,663. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ERNST SILTEN, Berlin, Germany. Filed Mar. 12, 1927.

Atmozon

Particular description of goods.—Electrically-Driven Small Compressors and Inhaling Apparatus Which are Driven by Aid of Electric Small Compressors.
Claims use since Apr. 8, 1926.

Ser. No. 245,685. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio. Filed Mar. 14, 1927.



Particular description of goods.—Aluminum.
Claims use since Oct. 10, 1926.

Ser. No. 245,719. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JENTLESON & KAPLAN, New York, N. Y. Filed Mar. 14, 1927.

SONPLAN

Particular description of goods.—Watches.
Claims use since Feb. 21, 1927.

Ser. No. 245,728. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES KOMOREL'S SONS, INC., Holyoke and Springfield, Mass. Filed Mar. 14, 1927.

Speed King

Particular description of goods.—Slitting Machines for Severing Webs of Material Into Strips.
Claims use since Dec. 28, 1926.

Ser. No. 245,740. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MEN'S WEAR SERVICE CORPORATION, Chicago, Ill. Filed Mar. 14, 1927.

The National Men's Wear SALESMAN

Particular description of goods.—Monthly Magazine.
Claims use since Jan. 1, 1926.

Ser. No. 245,746. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JESSE H. ORDWAY, doing business as Smoothtex Company, Worcester, Mass. Filed Mar. 14, 1927.

SMOOTHTEX

The lining on the drawing represents black lines and not a color.
Particular description of goods.—Comber Noils Mixture for Use for Cleaning Purposes.
Claims use since Mar. 3, 1927.

Ser. No. 245,762. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. F. TRAPPEY & SONS, Jeanerette, La. Filed Mar. 14, 1927.

MEXI-PEP

Particular description of goods.—Pepper Sauce.
Claims use since on or about September, 1914.

Ser. No. 245,771. (CLASS 15. OILS AND GREASES.) WHITE STAR REFINING CO. OF DELAWARE, Detroit, Mich. Filed Mar. 14, 1927.

MERCULINE

Particular description of goods.—Gasoline.
Claims use since about Feb. 12, 1927.

Ser. No. 245,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE BABANI, Paris, France. Filed Mar. 15, 1927.

ABDULLA

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Sachets, Rouge, Lip Sticks, Brilliantine, Bath Salts, Lotion for the Skin and Hair, and Dentifrices.
Claims use since Oct. 18, 1926.

Ser. No. 245,795. (CLASS 37. PAPER AND STATIONERY.) THE M. B. M. PRODUCTS CORPORATION, West Haven and New Haven, Conn. Filed Mar. 15, 1927.

"MIDGET"

Particular description of goods.—Pencil Sharpeners.
Claims use since Aug. 5, 1926.

Ser. No. 245,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNESOTA VALLEY CANNING COMPANY, Lesueur, Minn. Filed Mar. 15, 1927.



No claim is made to the words "Great Big Tender Peas" and the pictorial representation of a pea pod except in connection with the mark as shown.
Particular description of goods.—Canned Peas.
Claims use since on or about Jan. 1, 1926.

Ser. No. 245,811. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE DU LOUVRE (SOCIETE ANONYME), Paris, France. Filed Mar. 15, 1927.

STUDIA

Particular description of goods.—Perfume, Toilet Water, Face Powder, Sachet, Rouge, Talcum Powder, Lip Sticks, Face Creams, Brilliantine, Bath Salts, Lotion for the Skin and Hair and Dentifrices.
Claims use since Nov. 12, 1923.

Ser. No. 245,868. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STANLEY WORKS, New Britain, Conn. Filed Mar. 16, 1927.

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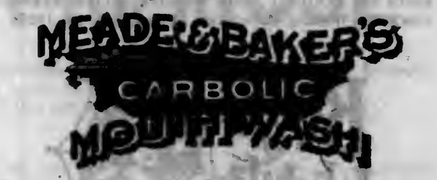
Particular description of goods.—Hand Planes.
Claims use since 1875.

Ser. No. 245,878. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Filed Mar. 16, 1927.

DUOPLEX

Particular description of goods.—Pumping Machinery, Pumps, Engines, Pumping Engines, and Pumps.
Claims use since Nov. 18, 1926.

Ser. No. 245,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRAVES & MEADE & BAKER COMPANY, New York, N. Y. Filed Mar. 17, 1927. Under 10-year proviso.



Particular description of goods.—Dentifrice.
Claims use since about Jan. 1, 1867.

Ser. No. 245,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUIGAS, SANTOS & CO., San Antonio, Tex. Filed Mar. 18, 1927.

TUPINAMBA

Particular description of goods.—Coffee.
Claims use since October, 1926.

Ser. No. 245,956. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Mar. 18, 1927.

MEGAVAC

"Megavac."
Particular description of goods.—Vacuum Pumps.
Claims use since Feb. 24, 1927.

Ser. No. 245,982. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EWALD HARWIX, doing business as Harwix Optische Anstalt, Berlin, Germany, assignor to Mirakel Optical Co., Mount Vernon, N. Y., a Copartnership consisting of Robert J. Reichert and Elsa Reichert. Filed Mar. 18, 1927.

Mirakel

Particular description of goods.—Field Glasses and Opera Glasses.
Claims use since 1920.

Ser. No. 245,983. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN BERR & COMPANY, INCORPORATED, Brooklyn, N. Y. Filed Mar. 18, 1927.

AMALGITE

Particular description of goods.—Abrasive Papers and Cloths.
Claims use since Mar. 2, 1927.

Ser. No. 245,997. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Mar. 18, 1927.

MORCO

Particular description of goods.—Resilient Vehicle Tires of Rubber, Rubber Composition, or Rubber and Fabric, and Inner Tubes Composed of Rubber for Resilient Vehicle Tires.
Claims use since Mar. 2, 1927.

Ser. No. 246,035. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CLARENCE H. LOW, doing business as Flents Products Company, New York, N. Y. Filed Mar. 19, 1927.

FLENTS

Particular description of goods.—Device adapted to be Inserted in the Auditory Canal of the Ear to Occlude Extraneous Noises and Induce Sleep.
Claims use since Jan. 19, 1927.

Ser. No. 246,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MATHIESON ALKALI WORKS, INC., New York, N. Y. Filed Mar. 19, 1927.

CROMIDE

Particular description of goods.—Tanning Compound.
Claims use since Feb. 8, 1927.

Ser. No. 246,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARIS MEDICINE CO., St. Louis, Mo. Filed Mar. 19, 1927.



Particular description of goods.—Antiseptic Healing Oil.
Claims use since Jan. 15, 1905.

Ser. No. 246,049. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARIS MEDICINE CO., St. Louis, Mo. Filed Mar. 19, 1927.



Particular description of goods.—Antiseptic Healing Oil.
Claims use since Jan. 15, 1905.

Ser. No. 246,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN FRANCISCO GROCERY CO., San Francisco, Calif. Filed Mar. 19, 1927.

CHLOR-SOL

Particular description of goods.—Bleaching Fluid and Disinfectant.
Claims use since Sept. 1, 1926.

Ser. No. 246,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WICHITA MILL & ELEVATOR COMPANY, Wichita Falls, Tex. Filed Mar. 19, 1927.



Particular description of goods.—Wheat Flour.
Claims use since about Jan. 1, 1902.

Ser. No. 246,074. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio. Filed Mar. 21, 1927.

Choc-Co-Ruffles

Particular description of goods.—Candy.
Claims use since Nov. 8, 1926.

Ser. No. 246,082. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 21, 1927.

OL-E-OL

Particular description of goods.—Mineral Oil for Internal Use, Flavored and Colored.
Claims use since June 22, 1912.

Ser. No. 246,089. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Mar. 21, 1927.

SUMMIT

Particular description of goods.—Fishing Reels.
Claims use since about 1904.

Ser. No. 246,119. (CLASS 15. OILS AND GREASES.) PRIMROSE PETROLEUM COMPANY, Dallas, Tex. Filed Mar. 21, 1927.

PRIMROSE

Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils.
Claims use since about Sept. 15, 1916.

Ser. No. 246,120. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PRISCILLA COMPANY, Boston, Mass. Filed Mar. 21, 1927.

PATRICIAN

"Patrician."
Particular description of goods.—Sewing Machines.
Claims use since Feb. 25, 1927.

Ser. No. 246,129. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. & H. SIMON COMPANY, Union City, N. J. Filed Mar. 21, 1927.

REGATTA
RUFSTUF

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 4, 1927.

Ser. No. 246,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAISCHILD BROS. & FOSTER, New York, N. Y. Filed Mar. 22, 1927.

ANTIAC

"Antiac."
Particular description of goods.—Preparation of Alkaline Salts Designed for Internal Administration for the Relief of Hyperacidity, Flatulence, and Similar Disorders.
Claims use since Jan. 2, 1927.

Ser. No. 246,163. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ALBERT H. KERSTING, doing business as The Acme Spring Sash Balance Co., Los Angeles, Calif. Filed Mar. 22, 1927.

ACME

Particular description of goods.—Spring-Sash Balances.
Claims use since Dec. 1, 1926.

Ser. No. 246,175. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 22, 1927.

METATONE

"Metatone."
Particular description of goods.—General Tonic.
Claims use since Oct. 20, 1926.

Ser. No. 246,197. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLUMBIA METAL PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 23, 1927.

DELITE

Particular description of goods.—Can Openers.
Claims use since Mar. 9, 1927.

Ser. No. 246,230. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HERMAN SABROWSKE, Oberlin, Ohio. Filed Mar. 23, 1927.

UP-N-ON

Particular description of goods.—Derailers.
Claims use since about April, 1924.

Ser. No. 246,236. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) L. & H. STERN, INC., Brooklyn, N. Y. Filed Mar. 23, 1927.

MARWYN

Particular description of goods.—Pipes.
Claims use since Oct. 1, 1924.

Ser. No. 246,257. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE A. & J. MANUFACTURING CO., Binghamton, N. Y. Filed Mar. 24, 1927.

"GRATOP"

Trade-mark consists of the legend "Gratop."
Particular description of goods.—Kitchen and Household Tools or Utensils—To Wit, Vegetable Brushes, Sink Brushes, Scouring Brushes, and Griddle Greasers.
Claims use since Oct. 21, 1925.

Ser. No. 246,258. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE A. & J. MANUFACTURING CO., Binghamton, N. Y. Filed Mar. 24, 1927.

"GRATOP"

"Gratop."
Particular description of goods.—Kitchen and Household Tools or Utensils—To Wit, Measuring Spoons.
Claims use since Oct. 21, 1925.

Ser. No. 246,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIEDERMAN BROS. PRODUCE CO., St. Louis, Mo. Filed Mar. 24, 1927.



Particular description of goods.—Fresh Tomatoes.
Claims use since January, 1926.

Ser. No. 246,265. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOURJOIS, INC., New York, N. Y. Filed Mar. 24, 1927.

Fleur persane

Particular description of goods.—Perfume, Toilet Water, Face Powder, and Sachet.
Claims use since Apr. 1, 1925.

Ser. No. 246,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CITRUS CHEMICAL CORPORATION, Elkton, Md. Filed Mar. 24, 1927.

ORO-LAX

Particular description of goods.—Laxative Drinks.
Claims use since Mar. 15, 1927.

Ser. No. 246,269. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. R. DARLINGTON, doing business as Darlox Manufacturing Company, Kansas City, Mo. Filed Mar. 24, 1927.

DARLOX

Particular description of goods.—Compound from Which a Treatment is Made, Intended to Darken and Restore Faded, Streaked, and Gray Hair to Its Otherwise Natural Color.
Claims use since Jan. 17, 1927.

Ser. No. 246,279. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEATHER COMPANY, New York, N. Y. Filed Mar. 24, 1927.

LIGHT GLOW

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Shampoos, Dry Shampoos, Hair Whitener, Hair Dye, Tooth Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, Sachets, and Solid Perfumes
Claims use since November, 1926.

Ser. No. 246,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEATHER COMPANY, New York, N. Y. Filed Mar. 24 1927.

MIDNIGHT FROLIC

Particular description of goods.—Face Powder, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Shampoos, Dry Shampoos, Hair Whitener, Hair Dye, Tooth Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, Sachets, and Solid Perfumes.
Claims use since March, 1925.

Ser. No. 246,284. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. HOCKINGS, Crystal Falls, Mich. Filed Mar. 24, 1927.

EZ to U's

Particular description of goods.—Silver Nitrate in Specially-Prepared Form.
Claims use since Feb. 1, 1927.

Ser. No. 246,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL KNIGHTON & SONS, INC., New York, N. Y. Filed Mar. 24, 1927.



Particular description of goods.—Wheat Flour.
Claims use since Jan. 2, 1927.

Ser. No. 246,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL KNIGHTON & SONS, INC., New York, N. Y. Filed Mar. 24, 1927.



Particular description of goods.—Wheat Flour.
Claims use since Jan. 2, 1927.

Ser. No. 246,329. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE L. BERNSTEIN, doing business as Marjo Drug Co., Washington, D. C. Filed Mar. 25, 1927.

SEC

Trade-mark consists merely in the word "Sec."
Particular description of goods.—Insecticides.
Claims use since December, 1925.

Ser. No. 246,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERCY GRAHAM, doing business as Gervaise Graham Company, Chicago, Ill. Filed Mar. 25, 1927. Under 10-year proviso.

BATH OF ISIS

Particular description of goods.—Hand Lotion.
Claims use since Nov. 8, 1890.

Ser. No. 246,418. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH BURNETT COMPANY, Boston, Mass. Filed Mar. 26, 1927.

COCOAINE.

"Cocoaine."
Particular description of goods.—Hairdressing.
Claims use since 1847.

Ser. No. 246,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Mar. 26, 1927.

Formohydrion

Particular description of goods.—Medicinal Preparations for the Treatment of Genito-Urinary Disorders.
Claims use since Sept. 24, 1921.

Ser. No. 246,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WYLIE R. POWELL, doing business as Fenole Chemical Company, Jacksonville, Fla. Filed Mar. 28, 1927.

FLYLAK

Particular description of goods.—Insecticides.
Claims use since on or about Mar. 18, 1927.

Ser. No. 246,565. (CLASS 43. THREAD AND YARN.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 29, 1927.

PENIMAID

Particular description of goods.—Yarns.
Claims use since Jan. 20, 1927.

Ser. No. 246,579. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VICTOR MONAGHAN COMPANY, Greenville, S. C. Filed Mar. 29, 1927.

FABRICS

No claim is made to the word "Fabrics" apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 1, 1927.

Ser. No. 246,591. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 30, 1927.

Pauplad

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 8, 1927.

Ser. No. 246,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK A. SCHWANNECKE, doing business as F. A. Schwannecke Co., New Rochelle, N. Y. Filed Mar. 30, 1927.

HANDIPAK

Particular description of goods.—Face Powders, Talcum Powders, Tooth Powders, Dusting Powders, Nail Powders, Foot Powders, and Deodorant Powders.
Claims use since Mar. 22, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 3, 1927.

227,172. MILL PRODUCTS—NAMELY, HOMINY FEED, CONSISTING OF THE HULLS AND SMALL BLACK PARTICLES GROUND, BOLTED, AND KILN DRIED FOR USE AS STOCK, DAIRY, AND HOG FEED. DECATUR MILLING COMPANY, Decatur, Ill.
Filed July 13, 1926. Serial No. 234,467. PUBLISHED FEBRUARY 15, 1927.

227,173. PROPHYLACTIC AGAINST LUES AND GONORRHEA. SÄCHSISCHES SERUMWERK A. G., Dresden, Germany.
Filed July 13, 1926. Serial No. 234,488. PUBLISHED FEBRUARY 15, 1927.

227,174. PREPARATION FOR BEAUTIFYING THE COMPLEXION, FOR REMOVING TAN, SUNBURN, FRECKLES, REDNESS AND ROUGHNESS OF THE SKIN, FOR PILES, INSECT BITES, AND FOR USE AFTER SHAVING. JOSEPH BURNETT COMPANY, Boston, Mass.
Filed January 15, 1927. Serial No. 242,892. PUBLISHED FEBRUARY 22, 1927.

227,175. TOOTH WASH. JOSEPH BURNETT COMPANY, Boston, Mass.
Filed January 15, 1927. Serial No. 242,893. PUBLISHED FEBRUARY 22, 1927.

227,176. PREPARATION FOR BEAUTIFYING THE COMPLEXION, FOR REMOVING TAN, SUNBURN, FRECKLES, REDNESS AND ROUGHNESS OF THE SKIN, FOR PILES, FOR INSECT BITES, AND FOR USE AFTER SHAVING. JOSEPH BURNETT COMPANY, Boston, Mass.
Filed January 15, 1927. Serial No. 242,895. PUBLISHED FEBRUARY 22, 1927.

227,177. COLD CREAM, VANISHING CREAM, TISSUE CREAM, BLEACHING CREAM, FRECKLE CREAM, BATH SALTS, PERFUMES, TOILET WATERS, FACE POWDER, HAND LOTION, DEPILATORY POWDER, LIP STICK, ROUGE, AND HAIR TONICS. ROBERT L. KROUSE, Colorado Springs, Colo.
Filed January 15, 1927. Serial No. 242,897. PUBLISHED FEBRUARY 22, 1927.

227,178. LUBRICANT LAXATIVE. E. PENELOPE PAULI, doing business as Tip-O-Lax Company, New York, N. Y.
Filed January 15, 1927. Serial No. 242,904. PUBLISHED FEBRUARY 22, 1927.

227,179. COTTON PIECE GOODS. THE CALICO PRINTERS' ASSOCIATION, LIMITED, Manchester, England.
Filed January 19, 1927. Serial No. 243,033. PUBLISHED FEBRUARY 22, 1927.

227,180. SHEETS AND PILLOWCASES. FORT MILL MANUFACTURING CO., Fort Mill, S. C.
Filed January 19, 1927. Serial No. 243,046. PUBLISHED FEBRUARY 22, 1927.

227,181. WEDDING RINGS. ALFRED HUMBERT & SON, Philadelphia, Pa.
Filed December 10, 1926. Serial No. 241,283. PUBLISHED FEBRUARY 15, 1927.

227,182. WATCHES. THE DUEBER-HAMPDEN WATCH COMPANY, Canton, Ohio.
Filed December 11, 1926. Serial No. 241,330. PUBLISHED FEBRUARY 15, 1927.

227,183. SWIMMING SUITS. NIAGARA KNITTING CO., INC., New York, N. Y.
Filed December 11, 1926. Serial No. 241,349. PUBLISHED FEBRUARY 15, 1927.

227,184. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed December 13, 1926. Serial No. 241,387. PUBLISHED FEBRUARY 22, 1927.

227,185. CLOTHING—NAMELY, BATH ROBES, SHAWLS, MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, SHIRTS, AND BLOUSES, MACKINAW COATS, AND SUITS AND OVERCOATS. EUREKA WOOLEN MILLS, Eureka, Calif.
Filed December 13, 1926. Serial No. 241,403. PUBLISHED FEBRUARY 15, 1927.

227,186. WHEAT BREAKFAST CEREALS. CHARLES KRAUSE, doing business as Montana Cereal Co., Billings, Mont.
Filed December 13, 1926. Serial No. 241,416. PUBLISHED FEBRUARY 15, 1927.

227,187. VELVETS, VELOURS, VELVETEENS, VELVERETS, AND VELVETY FABRICS. E. MEYER ET CO., Paris, France.
Filed December 13, 1926. Serial No. 241,425. PUBLISHED FEBRUARY 22, 1927.

227,188. COATS FOR MEN, WOMEN, AND CHILDREN. H. B. ROSENTHAL-ETTLINGER CO., New York, N. Y.
Filed December 13, 1926. Serial No. 241,442. PUBLISHED FEBRUARY 15, 1927.

227,189. FRESH APPLES. SNAPPLE SERVICE, INC., Yakima, Wash.
Filed December 13, 1926. Serial No. 241,447. PUBLISHED FEBRUARY 22, 1927.

227,190. FRESH APPLES. SNAPPLE SERVICE, INC., Yakima, Wash.
Filed December 13, 1926. Serial No. 241,448. PUBLISHED FEBRUARY 22, 1927.

227,191. NONALCOHOLIC, MALTLESS SOFT-DRINK BEVERAGES AND SIRUPS, EMULSIONS, CONCENTRATES, AND EXTRACTS USED IN PREPARATION OF THE SAME. THE TALL-ONE COMPANY, Dayton, Ohio.
Filed December 13, 1926. Serial No. 241,452. PUBLISHED FEBRUARY 22, 1927.

227,192. BABY RATTLES, DOLLS, DOLL TOILET SETS, TOY BOOKS, AND TOY BANKS. ZADEK FELDSTEIN CO., INC., New York, N. Y.
Filed December 13, 1926. Serial No. 241,457. PUBLISHED FEBRUARY 22, 1927.

227,193. OPHTHALMIC LENSES, PROJECTION LENSES, HEAT-RETARDING LENSES, AND BLANKS FOR OPHTHALMIC LENSES, PROJECTION LENSES, AND HEAT-RETARDING LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed December 14, 1926. Serial No. 241,461. PUBLISHED FEBRUARY 22, 1927.

227,194. MEN'S AND BOYS' REGULAR AND KNEE LENGTH TROUSERS, OVERALLS, ONE-PIECE SUITS, CHILDREN'S PLAY SUITS AND ROMPERS. BRODY-LEWIS MFG. COMPANY, Omaha, Nebr.
Filed December 14, 1926. Serial No. 241,470. PUBLISHED FEBRUARY 15, 1927.

227,195. MILL FEEDS. H. C. COLE MILLING COMPANY, Chester, Ill.
Filed December 14, 1926. Serial No. 241,473. PUBLISHED FEBRUARY 15, 1927.

227,196. FLOOR WAXING, POLISHING, AND SCRUBBING MACHINES AND WAX CONTAINERS FOR FLOOR WAXING AND POLISHING MACHINES. THE FLOOROLA CORPORATION, Baltimore, Md.
Filed December 14, 1926. Serial No. 241,477. PUBLISHED FEBRUARY 22, 1927.

227,197. BREAD. RYOLA HEALTH BREAD COMPANY, Minneapolis, Minn.
Filed December 14, 1926. Serial No. 241,499. PUBLISHED FEBRUARY 15, 1927.

227,198. GRAHAM FLOUR AND WHOLE-WHEAT FLOUR. FLEMINGTON MILLING CO., Flemington, N. J.
Filed December 23, 1926. Serial No. 241,879. PUBLISHED FEBRUARY 22, 1927.

227,199. CANDLES. SMITH & NICHOLS, INCORPORATED, New York, N. Y.
Filed November 29, 1926. Serial No. 240,740. PUBLISHED FEBRUARY 15, 1927.

227,200. CANDLES. SMITH & NICHOLS, INCORPORATED, New York, N. Y.
Filed November 29, 1926. Serial No. 240,745. PUBLISHED FEBRUARY 15, 1927.

227,201. LIGNONE EXTRACT FOR USE IN TANNING AND AS A FILLER FOR TEXTILE MATERIALS. TOTO COMPANY LIMITED, London, England.
Filed November 29, 1926. Serial No. 240,753. PUBLISHED FEBRUARY 15, 1927.

227,202. WHEAT FLOUR. VALIER & SPIES MILLING CORPORATION, St. Louis, Mo.
Filed November 29, 1926. Serial No. 240,754. PUBLISHED FEBRUARY 22, 1927.

227,203. WHEAT FLOUR. VALIER & SPIES MILLING CORPORATION, St. Louis, Mo.
Filed November 29, 1926. Serial No. 240,755. PUBLISHED FEBRUARY 15, 1927.

227,204. WHEAT FLOUR. VALIER & SPIES MILLING CORPORATION, St. Louis, Mo.
Filed November 29, 1926. Serial No. 240,758. PUBLISHED FEBRUARY 15, 1927.

227,205. BAKERY PRODUCTS—NAMELY, BREAD, PIES, CAKES. THE FLOYD SNYDER BAKING COMPANY, Wooster, Ohio.
Filed November 30, 1926. Serial No. 240,772. PUBLISHED FEBRUARY 15, 1927.

227,206. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHING. S & S GOLDSTEIN, INC., New York, N. Y.
Filed November 30, 1926. Serial No. 240,782. PUBLISHED FEBRUARY 15, 1927.

227,207. PRETZELS. BACHMAN'S, INC., Reading, Pa.
Filed December 2, 1926. Serial No. 240,841. PUBLISHED FEBRUARY 15, 1927.

227,208. SILK GOODS IN THE PIECE AND SILK VELVETS IN THE PIECE. KNICKERBOCKER SILK CO., New York, N. Y.
Filed December 2, 1926. Serial No. 240,865. PUBLISHED FEBRUARY 22, 1927.

227,209. DRY-CLEANSING PREPARATION FOR FABRICS AND OTHER ARTICLES. LUBRICANT LABORATORIES, INC., Boston, Mass.
Filed December 2, 1926. Serial No. 240,869. PUBLISHED FEBRUARY 22, 1927.

227,210. ELECTRICAL RECEPTACLES, CABLE CONNECTERS, ELECTRICAL SWITCHES, CAST BOXES FOR ELECTRICAL CONDUITS, ELECTRICAL LIGHTING FIXTURES, ELECTRICAL SWIMMING-POOL-LIGHTING FIXTURES, ELECTRICAL UNDERWATER LIGHTING FIXTURES, ELECTRICAL LAMPS, AND ELECTRICAL LANTERNS. RUSSELL & STOLL COMPANY, New York, N. Y.
Filed December 2, 1926. Serial No. 240,880. PUBLISHED FEBRUARY 15, 1927.

227,211. ELECTRIC STORAGE BATTERIES AND PARTS THEREOF. ACME BATTERY MANUFACTURING COMPANY, St. Louis, Mo.
Filed December 3, 1926. Serial No. 240,898. PUBLISHED FEBRUARY 15, 1927.

227,212. TOILET REQUISITES—NAMELY, FACE, TOILET, AND SHAMPOO POWDERS, FACE, LIP, AND FINGER-NAIL ROUGES, EYEBROW CRAYONS, FACE CREAM, COLD CREAM, TOILET-WATER AND PERFUME, BRILLIANTINE, AND BATH SALTS. F. R. ARNOLD & COMPANY, New York, N. Y.
Filed December 4, 1926. Serial No. 240,946. PUBLISHED FEBRUARY 22, 1927.

227,213. ELECTRIC FLOOR-POLISHING MACHINES. S. C. JOHNSON & SON, Racine, Wis.
Filed December 4, 1926. Under section 5b of the act of 1905 as amended in 1920. Serial No. 240,977. PUBLISHED FEBRUARY 15, 1927.

227,214. WHEAT FLOUR. G. H. DULLE MILLING COMPANY, Jefferson City, Mo.
Filed December 15, 1926. Serial No. 241,521. PUBLISHED FEBRUARY 15, 1927.

227,215. HOSIERY. CADET KNITTING COMPANY, Philadelphia, Pa.
Filed December 16, 1926. Serial No. 241,561. PUBLISHED FEBRUARY 15, 1927.

227,216. VITAMINE COMPOUND FOR POULTRY AND LIVESTOCK TO BE ADMINISTERED ALONE OR MIXED WITH OTHER FOODS. THE G. E. CONKEY COMPANY, Cleveland, Ohio.
Filed December 16, 1926. Serial No. 241,562. PUBLISHED FEBRUARY 15, 1927.

227,217. MONTHLY MAGAZINE. DAIRY PRESS, INC., Detroit, Mich.
Filed December 16, 1926. Serial No. 241,564. PUBLISHED FEBRUARY 22, 1927.

227,218. TWINE, ROPE, AND CORD. A. W. ARCHER CO., INC., New York, N. Y.
Filed December 17, 1926. Serial No. 241,597. PUBLISHED FEBRUARY 22, 1927.

227,219. EYEGLASS AND SPECTACLE FRAMES. SHUR-ON STANDARD OPTICAL CO., INC., Geneva, N. Y.
Filed January 12, 1927. Serial No. 242,755. PUBLISHED FEBRUARY 22, 1927.

227,220. BOOKS, PRINTED FORMS, AND DATA SHEETS. LYNN ELLIS, INC., New York, N. Y.
Filed December 10, 1926. Serial No. 241,268. PUBLISHED FEBRUARY 22, 1927.

227,221. UMBRELLAS AND PARASOLS. GANS BROTHERS INC., Baltimore, Md.
Filed December 10, 1926. Serial No. 241,275. PUBLISHED FEBRUARY 15, 1927.

227,222. UMBRELLAS AND PARASOLS. GANS BROTHERS INC., Baltimore, Md.
Filed December 10, 1926. Serial No. 241,276. PUBLISHED FEBRUARY 15, 1927.

227,223. UMBRELLAS AND PARASOLS. GANS BROTHERS INC., Baltimore, Md.
Filed December 10, 1926. Serial No. 241,277. PUBLISHED FEBRUARY 15, 1927.

227,224. UMBRELLAS AND PARASOLS. GANS BROTHERS INC., Baltimore, Md.
Filed December 10, 1926. Serial No. 241,278. PUBLISHED FEBRUARY 15, 1927.

227,225. MONTHLY MAGAZINE. ASIA MAGAZINE, INC., New York, N. Y.
Filed November 27, 1926. Serial No. 240,639. PUBLISHED JANUARY 11, 1927.

227,226. SECTION OF A MONTHLY PERIODICAL. H. P. B. PUBLISHERS, INC., New York, N. Y.
Filed December 10, 1926. Serial No. 241,280. PUBLISHED FEBRUARY 22, 1927.

227,227. FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES. EXETER CITRUS ASSOCIATION, Exeter, Calif.
Filed March 6, 1926. Serial No. 228,233. PUBLISHED FEBRUARY 22, 1927.

227,228. CHOCOLATE-COVERED CANDY BAR. ALL STAR CANDY CO., San Francisco, Calif.
Filed November 11, 1926. Serial No. 239,909. PUBLISHED FEBRUARY 22, 1927.

227,229. WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, doing business as Bulte Mills, Kansas City, Mo.
Filed November 29, 1926. Serial No. 240,714. PUBLISHED FEBRUARY 15, 1927.

227,230. WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed November 29, 1926. Serial No. 240,718. PUBLISHED FEBRUARY 15, 1927.

227,231. WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, doing business as Bulte Mills, Kansas City, Mo.
Filed November 29, 1926. Serial No. 240,719. PUBLISHED FEBRUARY 15, 1927.

227,232. WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed November 29, 1926. Serial No. 240,722. PUBLISHED FEBRUARY 15, 1927.

227,233. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, AND COCOA. SPRINGFIELD GROCER COMPANY, Springfield, Mo.
Filed November 29, 1926. Serial No. 240,752. PUBLISHED FEBRUARY 22, 1927.

227,234. WHEAT FLOUR. VALIER & SPIES MILLING CORPORATION, St. Louis, Mo.
Filed November 29, 1926. Serial No. 240,756. PUBLISHED FEBRUARY 15, 1927.

227,235. WHEAT FLOUR. VALIER & SPIES MILLING CORPORATION, St. Louis, Mo.
Filed November 29, 1926. Serial No. 240,757. PUBLISHED FEBRUARY 15, 1927.

227,236. ANTIFREEZE COMPOSITION. JULIUS G. COLLINS, Kansas City, Kans.
Filed October 29, 1926. Serial No. 239,397. PUBLISHED FEBRUARY 22, 1927.

227,237. CHEMICALS FOR TREATING OILS AND EMULSIONS. HUMBLE OIL & REFINING COMPANY, Houston, Tex.
Filed October 29, 1926. Serial No. 239,413. PUBLISHED FEBRUARY 22, 1927.

227,238. LUBRICATING OILS. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed October 29, 1926. Serial No. 239,431. PUBLISHED FEBRUARY 15, 1927.

227,239. TEA IN BULK. WILLIAM T. ABBOTT, doing business as William T. Abbott & Co., Boston, Mass.
Filed October 30, 1926. Serial No. 239,452. PUBLISHED FEBRUARY 22, 1927.

227,240. BELTS FOR PERSONAL WEAR, SUSPENDERS, AND GARTERS. DE WITT FOX, New York, N. Y.
Filed November 1, 1926. Serial No. 239,513. PUBLISHED FEBRUARY 15, 1927.

227,241. CHOCOLATE CANDY, CANDY-COATED NUTS, AND CANDY CONFECTIONS. MARCILE SWEETS INC., Newark, N. J.
Filed November 1, 1926. Serial No. 239,534. PUBLISHED FEBRUARY 22, 1927.

227,242. PERMANENT ROOT-CANAL TREATMENT. DRS. DUNCAN & LANGDON, Chicago, Ill.
Filed November 5, 1926. Serial No. 239,701. PUBLISHED FEBRUARY 15, 1927.

227,243. A SPECIFIC FOR TRENCH MOUTH, PYORRHEA. DRS. DUNCAN & LANGDON, Chicago, Ill.
Filed November 5, 1926. Serial No. 239,702. PUBLISHED FEBRUARY 22, 1927.

227,244. MACHINES FOR MANUFACTURING CATTLE CAKE. RICHARD SIZER, LIMITED, Wilmington, Hull, England.
Filed November 5, 1926. Serial No. 239,724. PUBLISHED FEBRUARY 22, 1927.

227,245. COAL. THE BELL COAL COMPANY, Columbus, Ohio.
Filed November 8, 1926. Serial No. 239,788. PUBLISHED JANUARY 11, 1927.

227,246. HAND TOOLS AND MECHANICS' TOOLS—NAMELY, CHISELS, DRAWING KNIVES, GOUGES, AND SCRATCH AWLS. THE WINSTED EDGE TOOL WORKS, Winsted, Conn.
Filed November 8, 1926. Serial No. 239,838. PUBLISHED JANUARY 18, 1927.

227,247. BALED OVERISSUED NEWSPAPERS, SOMETIMES CALLED OLD NEWSPAPERS. MAX L. VAN NORDEN, New York, N. Y.
Filed November 9, 1926. Serial No. 239,870. PUBLISHED JANUARY 25, 1927.

227,248. PREPARATION FOR USE IN THE TREATMENT OF VENEREAL DISEASES. FRANK SELVIDGE, Duncan, Okla.
Filed January 5, 1927. Serial No. 242,397. PUBLISHED FEBRUARY 22, 1927.

227,249. OINTMENT OR CREAM FOR SOFTENING THE SKIN, ESPECIALLY THE HANDS. GEKRAS LABORATORY, INC., New York, N. Y.
Filed January 6, 1927. Serial No. 242,424. PUBLISHED FEBRUARY 22, 1927.

227,250. WEEKLY NEWSPAPER. NATIONAL TRIBUNE CORPORATION, Washington, D. C.
Filed January 6, 1927. Serial No. 242,438. PUBLISHED FEBRUARY 22, 1927.

227,251. CHEWING GUM. FRANK H. FLEER CORPORATION, Philadelphia, Pa.
Filed December 21, 1925. Serial No. 224,965. PUBLISHED FEBRUARY 22, 1927.

227,252. CANDIED AND SALTED POP CORN. THE SUTHERLAND FOOD PRODUCTS COMPANY, Hamilton, Ohio.
Filed December 30, 1925. Serial No. 225,325. PUBLISHED FEBRUARY 22, 1927.

227,253. FEEDING SALT FOR STOCK. THE BARTON SALT COMPANY, Hutchinson, Kans.
Filed February 20, 1926. Serial No. 227,561. PUBLISHED FEBRUARY 22, 1927.

227,254. WEEKLY MAGAZINES. THE ROUND-UP, Forest Park, Ill.
Filed February 23, 1926. Serial No. 227,688. PUBLISHED FEBRUARY 22, 1927.

227,255. LARD, HAM, AND BACON. KINGAN & CO., INCORPORATED, Indianapolis, Ind.
Filed February 26, 1926. Serial No. 227,843. PUBLISHED FEBRUARY 22, 1927.

227,256. ICE. SOUTHERN COLD STORAGE CO., Cleveland, Tenn.
Filed March 25, 1926. Serial No. 229,200. PUBLISHED JUNE 1, 1926.

227,257. LIVE CHICKS. THE SPENCER CHICK HATCHERY, Spencer, Iowa.
Filed March 25, 1926. Serial No. 229,201. PUBLISHED FEBRUARY 22, 1927.

227,258. INSECT EXTERMINATOR, A LIQUID PREPARATION APPLIED WITH A LIQUID SPRAYER TO VERMIN-INFESTED LOCALITIES. HENRY A. STOLTZE, doing business as Extermx Fumigators, Chicago, Ill.
Filed April 17, 1926. Serial No. 230,366. PUBLISHED FEBRUARY 22, 1927.

227,259. BOOTS AND SHOES MADE OF LEATHER AND TEXTILE FABRIC. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed April 22, 1926. Serial No. 230,591. PUBLISHED FEBRUARY 15, 1927.

227,260. BLANK FORMS AND CORRESPONDENCE PAPER, WRITING AND PRINTING PAPER AND ENVELOPES, AND LETTERHEADS. HARLEM CARD & PAPER CO., New York, N. Y.
Filed May 3, 1926. Serial No. 231,037. PUBLISHED FEBRUARY 22, 1927.

227,261. WOOLEN FELTS AND WOOLEN BLANKETS. SHULER & BENNINGHOFEN, Hamilton, Ohio.
Filed May 4, 1926. Serial No. 231,126. PUBLISHED FEBRUARY 22, 1927.

227,262. GASOLINE, LUBRICATING OILS AND GREASES. CITIES SERVICE OIL COMPANY, Cleveland, Ohio.
Filed May 5, 1926. Serial No. 231,141. PUBLISHED FEBRUARY 15, 1927.

227,263. SELF-RISING FLOUR. MONROE MILLING COMPANY, Waterloo, Ill.
Filed May 21, 1926. Serial No. 232,027. PUBLISHED FEBRUARY 15, 1927.

227,264. SELF-RISING FLOUR. MONROE MILLING COMPANY, Waterloo, Ill.
Filed May 21, 1926. Serial No. 232,030. PUBLISHED FEBRUARY 15, 1927.

227,265. CANDY AND NUT CANDY. HUB CONFECTIONERY CO., West Somerville, Mass.
Filed June 11, 1926. Serial No. 233,083. PUBLISHED FEBRUARY 22, 1927.

227,266. PINS FOR ADORNMENT, NECKLACES, BRACELETS, BROOCHES, BAR PINS, FINGER RINGS, EARRINGS, PENDANTS, HAT ORNAMENTS, DRESS ORNAMENTS, SHOE BUCKLES, POWDER-COMPACT CASES, VANITY CASES, MESH BAGS, ALL MADE OF OR PLATED WITH PRECIOUS METAL. COHN & ROSENBERGER, INC., New York, N. Y.
Filed July 2, 1926. Serial No. 234,025. PUBLISHED FEBRUARY 15, 1927.

227,267. PRODUCT OF CORN IN FLAKE FORM FOR USE AS A BREAKFAST FOOD AND ALSO FOR USE IN THE MANUFACTURE OF CEREAL BEVERAGES, AND FOR CANDY MAKING AND BAKERS' USES. DECATUR MILLING COMPANY, Decatur, Ill.
Filed July 13, 1926. Serial No. 234,466. PUBLISHED FEBRUARY 15, 1927.

227,268. MEDICINE FOR EPILEPSY AND NERVOUS DISORDERS. DR. L. M. HUNTER, doing business as Dexo Chemical Co., Little Rock, Ark.
Filed January 14, 1927. Serial No. 242,834. PUBLISHED FEBRUARY 22, 1927.

227,269. FRESH GRAPES. HOMER LAUGHLIN, Los Angeles, Calif.
Filed January 14, 1927. Serial No. 242,838. PUBLISHED FEBRUARY 22, 1927.

227,270. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, SACHETS, AND SOLID PERFUMES. VICTOR VIVAUDOU, New York, N. Y.
Filed January 14, 1927. Serial No. 242,867. PUBLISHED FEBRUARY 22, 1927.

227,271. MOUTH WASHES. DAVID A. FISHER, Alameda, Calif.
Filed January 15, 1927. Serial No. 242,885. PUBLISHED FEBRUARY 22, 1927.

227,272. LARDS, CREAMERY BUTTER, HAMS, BACONS, SHOULDERS, SAUSAGE, PORK ROLL, DRIED BEEF, NOT CANNED; CHEESE, AND LARD COMPOUND MADE OF COTTONSEED AND OTHER OILS. THE WM. SCHLUDERBERG-T. J. KURDLE CO., Baltimore, Md.
Filed May 18, 1922. Serial No. 164,086. PUBLISHED FEBRUARY 15, 1927.

227,273. LARDS, CREAMERY BUTTER, FRESH AND SMOKED HAMS, BACON, SHOULDERS, AND SAUSAGE, ALSO PORK ROLL, AND DRIED BEEF, CHEESE, AND LARD COMPOUND MADE FROM COTTONSEED AND OTHER OILS. THE WM. SCHLUDERBERG-T. J. KURDLE CO., Baltimore, Md.
Filed June 29, 1922. Serial No. 166,267. PUBLISHED FEBRUARY 22, 1927.

227,274. LARDS, CREAMERY BUTTER, FRESH AND SMOKED HAM, BACON, SHOULDERS, AND SAUSAGE, PORK ROLL, DRIED BEEF, CHEESE, AND LARD COMPOUND MADE FROM COTTONSEED AND OTHER OILS. THE WM. SCHLUDERBERG-T. J. KURDLE CO., Baltimore, Md.
Filed June 29, 1922. Serial No. 166,268. PUBLISHED FEBRUARY 15, 1927.

227,275. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed Apr. 1, 1924. Serial No. 194,833. PUBLISHED FEBRUARY 22, 1927.

227,276. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,834. PUBLISHED FEBRUARY 22, 1927.

227,277. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,835. PUBLISHED FEBRUARY 22, 1927.

227,278. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,836. PUBLISHED FEBRUARY 22, 1927.

227,279. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,837. PUBLISHED FEBRUARY 22, 1927.

227,280. TELESCOPES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,838. PUBLISHED FEBRUARY 22, 1927.

227,281. TELESCOPES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,839. PUBLISHED FEBRUARY 22, 1927.

227,282. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,840. PUBLISHED FEBRUARY 22, 1927.

227,283. TELESCOPES AND FIELD GLASSES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,841. PUBLISHED FEBRUARY 22, 1927.

227,284. TELESCOPES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,842. PUBLISHED FEBRUARY 22, 1927.

227,285. OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,843. PUBLISHED FEBRUARY 22, 1927.

227,286. OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,844. PUBLISHED FEBRUARY 22, 1927.

227,287. OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,845. PUBLISHED FEBRUARY 22, 1927.

227,288. INSTRUMENTS FOR MEASURING WORK PIECES, SCREWS, SHEET METALS, WIRES, AND THE LIKE. CARL ZEISS, Jena, Germany.
Filed April 1, 1924. Serial No. 194,846. PUBLISHED FEBRUARY 22, 1927.

227,289. GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, AND GARNET LAC. ANGELO BROS. LIMITED, Calcutta, British India.
Filed April 16, 1924. Serial No. 195,611. PUBLISHED SEPTEMBER 23, 1924.

227,290. GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, AND GARNET LAC. ANGELO BROS. LIMITED, Calcutta, British India.
Filed April 16, 1924. Serial No. 195,612. PUBLISHED SEPTEMBER 23, 1924.

227,291. GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, AND GARNET LAC. ANGELO BROS. LIMITED, Calcutta, British India.
Filed April 16, 1924. Serial No. 195,613. PUBLISHED SEPTEMBER 23, 1924.

227,292. PERFUME. PECK & PECK, New York, N. Y.
Filed January 6, 1927. Serial No. 242,439. PUBLISHED FEBRUARY 22, 1927.

227,293. MEDICINAL PREPARATIONS FOR THE TREATMENT OF HEADACHE, NEURALGIA, TOOTHACHE, COLDS, NEURITIS, AND EARACHE. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed January 6, 1927. Serial No. 242,458. PUBLISHED FEBRUARY 22, 1927.

227,294. PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, FUEL OIL, PETROLEUM DISTILLATE, LUBRICATING OILS AND GREASES. DE LAITTRE-DIXON COMPANY, Minneapolis, Minn.
Filed January 7, 1927. Serial No. 242,475. PUBLISHED FEBRUARY 15, 1927.

227,295. COMPACT POWDERS AND COMPACT ROUGES, LIP STICKS, EYEBROW PENCILS, LIQUID FACE POWDERS, MASCARA, SACHET, TALCUM POWDER, FACE LOTION, POWDER REFILLS AND ROUGE REFILLS, LIQUID CUTICLE REMOVER, HAIR TONICS, TOILET WATER, PERFUME, NAIL POLISH, COLD CREAM, AND TOOTH PASTE. HOUSE OF TRE-JUR, INC., New York, N. Y.
Filed January 7, 1927. Serial No. 242,482. PUBLISHED FEBRUARY 22, 1927.

227,296. TONIC FOR RESTORING NERVE FORCES, AIDING DIGESTION, AND VITALIZING THE BODY. MUNYON REMEDY CO., Scranton, Pa.
Filed January 7 1927. Serial No. 242,486. PUBLISHED FEBRUARY 22, 1927.

227,297. TOOTHACHE DROPS. POLORIS COMPANY, INC., New York, N. Y.
Filed January 7, 1927. Serial No. 242,497. PUBLISHED FEBRUARY 22, 1927.

227,298. DAILY NEWSPAPER. WOMEN'S WEAR COMPANY, New York, N. Y.
Filed January 7, 1927. Serial No. 242,516. PUBLISHED FEBRUARY 22, 1927.

227,299. COUGH MEDICINE. ERWIN CHARLES DOERR, Watertown, Wis.
Filed January 8, 1927. Serial No. 242,525. PUBLISHED FEBRUARY 22, 1927.

227,300. DYES AND DYESTUFFS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed January 8, 1927. Serial No. 242,529. PUBLISHED FEBRUARY 22, 1927.

227,301. SILK PIECE GOODS. BLEYER & WEINBERG, New York, N. Y.
Filed January 10, 1927. Serial No. 242,567. PUBLISHED FEBRUARY 22, 1927.

227,302. WOOLEN BLANKETS. PENDLETON WOOLEN MILLS, Portland, Oreg.
Filed January 10, 1927. Serial No. 242,610. PUBLISHED FEBRUARY 22, 1927.

227,303. YARNS. JOHN A. LANDAU, New York, N. Y.
Filed January 11, 1927. Serial No. 242,671. PUBLISHED FEBRUARY 22, 1927.

227,304. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGES, BRILLIANTINE, BATH SALTS, AND HAIR TONIC. LA SALLE PRODUCTS, INC., St. Paul, Minn.
Filed January 11, 1927. Serial No. 242,675. PUBLISHED FEBRUARY 22, 1927.

227,305. MEDICAL COMPOUND. CARL E. KRUEGER, Glenwood Springs, Colo.
Filed November 27, 1926. Serial No. 240,668. PUBLISHED FEBRUARY 22, 1927.

227,306. LITHOPONE USED AS A FILLER IN THE COMPOUNDING OF RUBBER AND IN THE MANUFACTURE OF LINOLEUM, OILCLOTH, WINDOW SHADES, AND CELLULOID. THE NEW JERSEY ZINC COMPANY, Newark and Franklin, N. J.
Filed November 27, 1926. Serial No. 240,677. PUBLISHED FEBRUARY 22, 1927.

227,307. CORSETS, GIRDLES, BRASSIÈRES, CORSET-BRASSIÈRES, AND GIRDLE BRASSIÈRES. THE STROUSE CORSET COMPANY, INC., New Haven, Conn.
Filed November 12, 1926. Serial No. 240,010. PUBLISHED FEBRUARY 15, 1927.

227,308. COTTON PIECE GOODS. COTTON DUCK AWNING STRIPES IN THE PIECE, AND COTTON DUCK IN THE PIECE. WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y.
Filed November 15, 1926. Serial No. 240,049. PUBLISHED FEBRUARY 22, 1927.

227,309. CLEANING COMPOUNDS FOR USE GENERALLY AS A DRY CLEANER FOR FABRICS, KID GLOVES, AND LIKE MATERIALS. ELIZABETH O. YOUNG, doing business as New Way Manufacturing Co., St. Paul, Minn.
Filed November 15, 1926. Serial No. 240,120. PUBLISHED FEBRUARY 22, 1927.

227,310. CAUSTIC SODA. B. T. BABBITT, INC., New York, N. Y.
Filed November 17, 1926. Serial No. 240,164. PUBLISHED FEBRUARY 22, 1927.

227,311. HOSIERY. J. W. LANDENBERGER & CO., Philadelphia, Pa.
Filed November 17, 1926. Serial No. 240,195. PUBLISHED FEBRUARY 15, 1927.

227,312. SHOES MADE OF LEATHER, RUBBER, CANVAS, FELT, CLOTH, OR ANY OTHER APPROPRIATE MATERIAL. CHARLES ROY SHAROOD, doing business as the Shoe Specialty Company, St. Paul, Minn.
Filed November 17, 1926. Serial No. 240,219. PUBLISHED FEBRUARY 15, 1927.

227,313. HOROLOGICAL INSTRUMENTS CONSISTING OF WATCHES. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed November 18, 1926. Serial No. 240,245. PUBLISHED FEBRUARY 15, 1927.

227,314. FANCY JEWELRY CONSISTING OF NECKLACES, PENDANTS, BRACELETS, PINS, FINGER RINGS, STRINGS AND NECKLACES OF PEARLS, AND EARRINGS. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed November 18, 1926. Serial No. 240,248. PUBLISHED FEBRUARY 15, 1927.

227,315. WOMEN'S DRESSES, SUITS, COATS, AND FURS. MESIROW & HERZBERG, New York, N. Y.
Filed July 14, 1926. Serial No. 234,526. PUBLISHED JANUARY 4, 1927.

227,316. WRITING AND PRINTING PAPERS AND LEDGER, RECORD, VELLUM, ENVELOPE, TEXT, BOOK, COATED, AND COVER PAPERS. THE NEW YORK-NEW ENGLAND COMPANY, Holyoke, Mass.
Filed July 19, 1926. Serial No. 234,727. PUBLISHED FEBRUARY 22, 1927.

227,317. CANNED ANCHOVIES IN SALT. CELLAS', INC., doing business as Labrocel Packing Co., Inc., New York, N. Y.
Filed July 22, 1926. Serial No. 234,895. PUBLISHED FEBRUARY 22, 1927.

227,318. POULTRY FEEDS AND DAIRY FEED. PEOPLES MILLING COMPANY, Muskegon, Mich.
Filed July 31, 1926. Serial No. 235,418. PUBLISHED FEBRUARY 15, 1927.

227,319. MEN'S TOPCOATS, OVERCOATS, AND THREE AND FOUR PIECE SUITS. THE AMERICAN RETAIL STORES CO., Columbus, Ohio, and Indianapolis, Ind.
Filed August 2, 1926. Serial No. 235,448. PUBLISHED FEBRUARY 15, 1927.

227,320. CLEANERS, DRESSINGS, CREAMS, AND POLISHES FOR FOOTWEAR; SHOE BLACKING, LEATHER DRESSING, LEATHER PRESERVATIVES, PREPARATIONS FOR CLEANING AND POLISHING METALS. SIEGEL & CO., Cologne-Braunsfeld, Germany.
Filed August 25, 1926. Serial No. 236,444. PUBLISHED FEBRUARY 22, 1927.

227,321. BRAKE LININGS. GEORGE ANGUS & CO., LIMITED, Newcastle-on-Tyne, and Bentham, near Lancaster, England.
Filed August 26, 1926. Serial No. 236,458. PUBLISHED FEBRUARY 22, 1927.

227,322. MEDICINE FOR RHEUMATISM, KIDNEY TROUBLE, CATARRH, ECZEMA, AND BLOOD DISORDERS. J. S. DAY, Hanceville, Ala.
Filed August 26, 1926. Serial No. 236,471. PUBLISHED FEBRUARY 22, 1927.

227,323. BIAS BINDINGS, BIAS FAGOTING BRAID, NARROW ELASTIC, NARROW FABRIC TRIMMINGS FOR DRAPERIES AND UPHOLSTERY, NARROW FABRIC BINDING FOR BLANKETS, AND NARROW FABRIC LAMP-SHADE BINDINGS. BARTONS BIAS NARROW FABRIC CO., Bridgeport, Conn., and New York, N. Y.
Filed August 27, 1926. Serial No. 236,522. PUBLISHED FEBRUARY 15, 1927.

227,324. ANTISEPTIC AND PROPHYLACTIC DENTAL PREPARATION. AVOLIN LABORATORIES, Newark, N. J.
Filed September 1, 1926. Serial No. 236,719. PUBLISHED FEBRUARY 22, 1927.

227,325. COMBINED COIN AND PAPER PURSE OR A COIN PURSE. CHESTER E. ALBRIGHT, doing business as Albright Purse Co., Germantown and Philadelphia, Pa.
Filed August 28, 1926. Serial No. 236,581. PUBLISHED FEBRUARY 15, 1927.

227,326. A PEANUT BUTTER, HONEY, AND CARAMEL SANDWICH SPREAD. KIDD AND COMPANY, INC., Chicago, Ill.
Filed August 28, 1926. Serial No. 236,612. PUBLISHED NOVEMBER 9, 1926.

227,327. VARIABLE RESISTANCE DEVICES FOR REGULATING THE VOLUME OUTPUT OF SOUND OF RADIO RECEIVING SETS. CENTRAL RADIO LABORATORIES, Milwaukee, Wis.
Filed September 4, 1926. Serial No. 236,867. PUBLISHED FEBRUARY 15, 1927.

227,328. SHOES MADE OF LEATHER AND FANCY MATERIALS FOR DRESS WEAR. NEW YORK & PARIS PEACOCK SHOE STORES, INC., New York, N. Y.
Filed September 7, 1926. Serial No. 236,949. PUBLISHED FEBRUARY 15, 1927.

227,329. CANNED FISH—NAMELY, CANNED SALMON. ELMER W. SMITH, INC., Seattle, Wash.
Filed January 12, 1927. Serial No. 242,757. PUBLISHED FEBRUARY 22, 1927.

227,330. CANNED CORN. THE ROSSVILLE PACKING CO., Rossville, Ill.
Filed January 12, 1927. Serial No. 242,765. PUBLISHED FEBRUARY 22, 1927.

227,331. BUTTER. WARREN E. BELL, Brasher Falls, N. Y.
Filed November 20, 1926. Serial No. 240,337. PUBLISHED FEBRUARY 22, 1927.

227,332. CHEESE. EHRAT CHEESE CO., INC., Chicago, Ill.
Filed November 20, 1926. Serial No. 240,348. PUBLISHED FEBRUARY 15, 1927.

227,333. LIQUID DETERGENT CHEMICAL PREPARATION FOR THE REMOVAL OF OIL FROM ELECTRIC APPARATUS. KOCH AUTO ELECTRIC CO., Louisville, Ky.
Filed November 22, 1926. Serial No. 240,418. PUBLISHED FEBRUARY 15, 1927.

227,334. ADJUSTERS OR TUNERS FOR VIOLINS. SIMSON & FREY, INC., New York, N. Y.
Filed November 22, 1926. Serial No. 240,448. PUBLISHED FEBRUARY 15, 1927.

227,335. MEN'S HATS. LONG'S HAT STORES, New York, N. Y.
Filed November 23, 1926. Serial No. 240,499. PUBLISHED FEBRUARY 15, 1927.

227,336. DEVICES FOR INDICATING AND RECORDING THE TEMPERATURE AND CONSISTENCY OF PLASTICS. THE J. H. DAY COMPANY, Cincinnati, Ohio.
Filed November 26, 1926. Serial No. 240,597. PUBLISHED FEBRUARY 22, 1927.

227,337. COMBINATION KNIFE AND CORK PULLER. THE GERIST MANUFACTURING COMPANY, New Haven, Conn.
Filed November 26, 1926. Serial No. 240,602. PUBLISHED FEBRUARY 22, 1927.

227,338. CARBOLIC OINTMENT. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed November 26, 1926. Serial No. 240,633. PUBLISHED FEBRUARY 15, 1927.

227,339. MEDICINE FOR USE IN THE TREATMENT OF INFLUENZA, MALARIA, TYPHOID AND CATARRHAL FEVERS, RHEUMATISM, COUGHS, PARALYSIS, KIDNEY TROUBLE, AND INFECTION IN HOGS, AND CHOLERA, DIARRHEA, GAPES, ROUP, LIVER TROUBLE, AND CONTAGIOUS AND INFECTIOUS DISEASES IN POULTRY. THE H. G. HARTER COMPANY, Toledo, Ohio.
Filed November 27, 1926. Serial No. 240,654. PUBLISHED FEBRUARY 22, 1927.

227,340. HOSIERY FOR MEN, WOMEN, AND CHILDREN; KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; MEN'S AND BOYS' DRESS AND WORK SHIRTS; AND OVERALLS AND COVERALLS FOR MEN, BOYS, AND YOUTHS. MARTIN L. HENRY, Shamokin, Pa.
Filed November 27, 1926. Serial No. 240,655. PUBLISHED FEBRUARY 15, 1927.

227,341. POTATO CHIPS, NUT MEATS. LEON A. MAXWELL, doing business as Maxwell & Son, Newark, N. J.
Filed December 7, 1926. Serial No. 241,108. PUBLISHED FEBRUARY 22, 1927.

227,342. MEN'S SUITS. HICKEY-FREEMAN CO., Rochester, N. Y.
Filed December 8, 1926. Serial No. 241,157. PUBLISHED FEBRUARY 15, 1927.

227,343. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,211. PUBLISHED FEBRUARY 22, 1927.

227,344. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,213. PUBLISHED FEBRUARY 22, 1927.

227,345. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,214. PUBLISHED FEBRUARY 22, 1927.

227,346. WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,216. PUBLISHED FEBRUARY 22, 1927.

227,347. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,217. PUBLISHED FEBRUARY 22, 1927.

227,348. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,218. PUBLISHED FEBRUARY 22, 1927.

227,349. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,219. PUBLISHED FEBRUARY 22, 1927.

227,350. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,220. PUBLISHED FEBRUARY 22, 1927.

227,351. COLUMN TITLE IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,221. PUBLISHED FEBRUARY 22, 1927.

227,352. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS. BARNETT BROS., New York, N. Y.
Filed December 10, 1926. Serial No. 241,257. PUBLISHED FEBRUARY 15, 1927.

227,353. LUBRICATING OIL. BEACON OIL COMPANY, Boston, Mass.
Filed December 10, 1926. Serial No. 241,258. PUBLISHED FEBRUARY 15, 1927.

227,354. RADIOFREQUENCY COILS. DAVEN RADIO CORPORATION, Newark, N. J.
Filed December 10, 1926. Serial No. 241,264. PUBLISHED FEBRUARY 15, 1927.

227,355. LEATHER SHOES, FABRIC SHOES, RUBBER SHOES, AND SHOES OF COMBINATIONS OF FABRIC OR RUBBER AND LEATHER. B. FRIEDMAN SHOE CO. INC., New York, N. Y.
Filed May 13, 1925. Serial No. 214,246. PUBLISHED FEBRUARY 15, 1927.

227,356. PADLOCKS, DOOR LOCKS, FURNITURE LOCKS, LATCHES, AND BOLTS FOR THE SAME. F. WILHELM LÜLING, Volmarstein-on-the-Ruhr, Germany.
Filed June 23, 1925. Serial No. 216,275. PUBLISHED JUNE 22, 1926.

227,357. LINEN, SILK, COTTON, AND WORSTED BRAIDS; ARTIFICIAL FLOWERS, ETC. M. RICH & BROS. CO., Atlanta, Ga.
Filed June 24, 1925. Serial No. 216,360. PUBLISHED FEBRUARY 15, 1927.

227,358. BOLOGNA, SALAMI, PASTRAMI, CORNED BEEF, SPICED BEEF, ROULADE, BEEF FAT, AND SAUSAGE. ZION NATIONAL KOSHER SAUSAGE FACTORY, INC., New York, N. Y.
Filed September 5, 1925. Serial No. 219,927. PUBLISHED FEBRUARY 22, 1927.

227,359. SALAMI. ZION NATIONAL KOSHER SAUSAGE FACTORY, INC., New York, N. Y.
Filed September 5, 1925. Serial No. 219,928. PUBLISHED FEBRUARY 22, 1927.

227,360. LAXATIVE JAM HAVING THE FORM, APPEARANCE, AND FLAVOR OF A FRUIT JAM. SOCOTA PRODUCTS CORPORATION, Cleveland, Ohio.
Filed October 29, 1925. Serial No. 222,527. PUBLISHED JANUARY 4, 1927.

227,361. ASBESTOS BRAKE LININGS, ASBESTOS BRAKE BLOCKS, ASBESTOS CLUTCH FACINGS, AND ASBESTOS DISKS. ASBESTOS MANUFACTURING CO., Huntington, Ind.
Filed October 31, 1925. Serial No. 222,592. PUBLISHED FEBRUARY 22, 1927.

227,362. OINTMENTS AND LINIMENTS FOR HUMAN USE, UNGUENTS FOR MEDICAL PURPOSES FOR HUMAN USE, SALVES (MEDICATED), NIT-DESTROYING PREPARATIONS (MEDICATED) FOR CHILDREN'S HEADS (NAPHTHOL SAPALCOL), OPODELDOC, SKIN PREPARATIONS MEDICATED (FOR HUMAN USE), MEDICAL TINCTURES, PREPARATIONS FOR REMOVING STAINS. SAPALCOL AKTIENGELLSCHAFT FÜR PHARMAZEUTISCHE U. KOSMETISCHE PRÄPARATE, Cologne-on-the-Rhine, Germany.
Filed December 9, 1925. Serial No. 224,475. PUBLISHED FEBRUARY 22, 1927.

227,363. BACTERICIDES, DEODORIZERS, MOUTH-WASHING LIQUIDS FOR HUMAN USE, PREPARATIONS FOR CLEANING TEETH, PREPARATIONS FOR REMOVING STAINS. SAPALCOL AKTIENGELLSCHAFT FÜR PHARMAZEUTISCHE U. KOSMETISCHE PRÄPARATE, Cologne-on-the-Rhine, Germany.
Filed December 9, 1925. Serial No. 224,476. PUBLISHED FEBRUARY 22, 1927.

227,364. PILE CONES AND OINTMENTS FOR AFFECTIONS OF THE SKIN SUCH AS ECZEMA, RINGWORM, TETTER, AND IVY POISON. G. LANCE BROWN CO., INC., Huntingdon Valley, Pa.
Filed December 19, 1925. Serial No. 224,899. PUBLISHED FEBRUARY 22, 1927.

227,365. INSECTICIDE, DEODORANTS, AND DISINFECTANTS. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed September 16, 1926. Serial No. 237,840. PUBLISHED FEBRUARY 22, 1927.

227,366. POTATOES IN THEIR NATURAL STATE. A. B. CASPER, doing business as A. B. Casper & Company, Minneapolis, Minn.
Filed September 18, 1926. Serial No. 237,404. PUBLISHED JANUARY 25, 1927.

227,367. BUTTERMILK DRINK. TITO L. CAVALLI, Benicia, Calif.
Filed September 20, 1926. Serial No. 237,439. PUBLISHED FEBRUARY 15, 1927.

227,368. LADIES' COTTON KNIT UNDERWEAR. SPRING CITY KNITTING COMPANY, Spring City, Pa.
Filed September 20, 1926. Serial No. 237,476. PUBLISHED DECEMBER 28, 1926.

227,369. DRY, PASTE, AND READY-MIXED PAINTS. JACOB SAKS, doing business as Sax-On Paint Stores, Chicago, Ill.
Filed September 21, 1926. Serial No. 237,516. PUBLISHED FEBRUARY 15, 1927.

227,370. B-BATTERY ELIMINATOR FOR RADIO WORK. ALEXANDER J. LA PIERRE, doing business as Auto Vacuum Products Co., New York, N. Y.
Filed September 28, 1926. Serial No. 237,868. PUBLISHED FEBRUARY 15, 1927.

227,371. MUSICAL WIND INSTRUMENT FOR IMITATING SOUNDS SUCH AS CATCALLS, BABY CRIES, AND CERTAIN MUSICAL INSTRUMENTS. BURGELEISEN & JACOBSON, New York, N. Y.
Filed October 1, 1926. Serial No. 238,009. PUBLISHED FEBRUARY 15, 1927.

227,372. ANTICORROSIVE PAINTS. THE PYRO CORROSANTI CO. INC., Dover, N. J.
Filed October 2, 1926. Serial No. 238,073. PUBLISHED FEBRUARY 15, 1927.

227,373. MEDICINES FOR THE NERVES. FRANK M. PERCIVAL, doing business as Adam de Cluhn Laboratories, Corona, N. Y.
Filed October 4, 1926. Serial No. 238,137. PUBLISHED FEBRUARY 22, 1927.

227,374. OIL BURNERS. THE FLUID HEAT CORP., Baltimore, Md.
Filed October 6, 1926. Serial No. 238,211. PUBLISHED FEBRUARY 22, 1927.

227,375. DRESS SHIELDS, DRESS-SHIELD BRASSIÈRES, MADE-UP DRESS OR WAIST LININGS. THE C. E. CONOVER CO., New York, N. Y.
Filed October 7, 1926. Serial No. 238,249. PUBLISHED FEBRUARY 1, 1927.

227,376. PETROLEUM-JELLY PREPARATIONS. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y.
Filed October 8, 1926. Serial No. 238,304. PUBLISHED FEBRUARY 22, 1927.

227,377. PREPARATION FOR THE TREATMENT OF THE HAIR AND SCALP. DAVID MASON, Boston, Mass.
Filed October 8, 1926. Serial No. 238,328. PUBLISHED FEBRUARY 22, 1927.

227,378. REFINED PETROLEUM CONSISTING OF GASOLINE, COAL OIL, NAPHTHA, BENZINE, PARAFFIN, LUBRICATING OILS, KEROSENE, PETROLEUM ETHER, AND LUBRICATING GREASES. THE GAITHER OIL COMPANY, INC., Fort Worth, Tex.
Filed October 9, 1926. Serial No. 238,370. PUBLISHED FEBRUARY 15, 1927.

227,379. GAMES SUCH AS INDOOR GOLF. HOWARD E. BAACK, Chicago, Ill.
Filed October 18, 1926. Serial No. 238,765. PUBLISHED FEBRUARY 22, 1927.

227,380. EDUCATIONAL TEXTS IN PAMPHLET FORM. CHICAGO ENGINEERING WORKS INC., Chicago, Ill.
Filed October 18, 1926. Serial No. 238,774. PUBLISHED FEBRUARY 22, 1927.

227,381. MEDICATED CHEWING GUM FOR THE ALLEVIATION OF COUGHS, COLDS, HOARSENESS, SORE THROAT, LARYNGITIS, AND BRONCHIAL AFFECTIONS. CALEB CRAWFORD COMPANY, INC., Long Island City, N. Y., assignor to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey.
Filed October 20, 1926. Serial No. 238,896. PUBLISHED FEBRUARY 22, 1927.

227,382. PREPARATION FOR THE TREATMENT OF RHEUMATISM. THE MICHIGAN TESTING LABORATORIES, Detroit, Mich.
Filed October 21, 1926. Serial No. 238,987. PUBLISHED FEBRUARY 22, 1927.

227,383. CARBONATED WATER. CHAPIN-SACKS CORP., Washington, D. C., and Savannah, Ga.
Filed October 25, 1926. Serial No. 239,164. PUBLISHED FEBRUARY 22, 1927.

227,384. ELECTRICALLY-ILLUMINATED PANEL FOR DISPLAYING HOUSE NUMBERS, POCKET FLASH LIGHTS, AND AUTOMOBILE SPOT-LIGHTS. GEORGE MEYER, Jr., Milwaukee, Wis.
Filed October 25, 1926. Serial No. 239,186. PUBLISHED FEBRUARY 15, 1927.

227,385. SILK PIECE GOODS. LOUIS ROESSEL & CO., INC., Hazleton, Pa., and New York, N. Y.
Filed January 11, 1927. Serial No. 242,691. PUBLISHED FEBRUARY 22, 1927.

227,386. CANNED FRUITS AND VEGETABLES. PACIFIC COAST CANNERS, INC., Oakland, Calif.
Filed January 12, 1927. Serial No. 242,743. PUBLISHED FEBRUARY 22, 1927.

227,387. CHOCOLATES, BONBONS, AND OTHER HOMEMADE CANDIES. PRATSON AND PRATANNIS, Tulsa, Okla.
Filed January 12, 1927. Serial No. 242,746. PUBLISHED FEBRUARY 22, 1927.

227,388. MEDICINAL CAPSULES FOR THE TREATMENT OF HEADACHES, RHEUMATISM, COLDS, LA GRIPPE, NEURALGIA, AND PLEURISY. MORRIS SNITZER, doing business as Phoenix Laboratories, St. Louis, Mo.
Filed December 4, 1926. Serial No. 241,006. PUBLISHED FEBRUARY 22, 1927.

227,389. PORTABLE ELECTRIC TOOLS—NAMELY, DRILLS, GRINDERS, RIVETERS, BOLT DRIVERS, REAMERS, AUGERS, AND HAMMERS, EACH HAVING AN ELECTRIC MOTOR COMBINED WITH THE TOOL IN SUCH MANNER THAT THE TOOL MAY BE EASILY MOVED BY HAND FROM PLACE TO PLACE FOR USE. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed February 12, 1927. Serial No. 244,286.

227,390. PNEUMATIC TOOLS AND MACHINERY—NAMELY, PNEUMATIC RIVETING HAMMERS; CHIPPING, CALKING, AND STONE HAMMERS; PNEUMATIC YOKE, JAM, SHELL RIVETERS; DRIFT-BOLT DRIVERS, RIVET BUSTERS, AIR DRILLS, AIR HOISTS, HOISTING MACHINERY, WOOD-BORING MACHINES, PISTOL DRILLS, ROTARY DRILLS, CORNER DRILLS, REAMERS, FLUE CUTTERS, ANGLE GEARS, TWIST DRILLS, AUGERS, FLUE EXPANDERS, PNEUMATIC GRINDERS, PNEUMATIC GEAR HOISTS, AND INTERNAL-COMBUSTION ENGINES. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed February 12, 1927. Serial No. 244,284.

227,391. CERTAIN PNEUMATIC TOOLS AND MACHINERY. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed February 12, 1927. Serial No. 244,285.

227,392. BUTTER. BLUE VALLEY CREAMERY CO., Chicago, Ill.
Filed March 12, 1927. Serial No. 245,681.

227,393. COTTON GOODS—NAMELY, SHEETINGS, DRILLS, AND TWILLS. MT. VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md.
Filed March 31, 1925. Serial No. 211,942. PUBLISHED FEBRUARY 22, 1927.

227,394. SOAPS AND SOAP CREAMS AND POWDERS FOR SHAVING. DR. M. ALBERSHEIM, Frankfort-on-the-Main, Germany.
Filed December 23, 1926. Serial No. 241,851. PUBLISHED FEBRUARY 22, 1927.

227,395. DRY GOODS CONSISTING OF PIECE GOODS OF SILK, COTTON, WOOL, OR COMBINATIONS THEREOF, AND LACES. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed December 23, 1926. Serial No. 241,890. PUBLISHED FEBRUARY 22, 1927.

227,396. OINTMENT FOR THE TREATMENT OF BRONCHITIS, COLDS, COUGHS, ASTHMA, HOARSENESS, SORE THROAT, EARACHE, CROUP, AND CATARRH. THE F. E. WHITMAN CHEMICAL COMPANY, Binghamton, N. Y.
Filed December 23, 1926. Serial No. 241,915. PUBLISHED FEBRUARY 22, 1927.

227,397. A REJUVENATOR AND GENERAL TONIC. FERDINAND MAX EUGENE BLASS, doing business as Eastern American Association for Oxygen-Therapy, New York, N. Y.
Filed December 27, 1926. Serial No. 241,979. PUBLISHED FEBRUARY 22, 1927.

227,398. MEDICINAL TABLET FOR THE TREATMENT OF HEADACHES, COLDS, NEURALGIA, NEURITIS, LA GRIPPE, PERIOD PAINS, DENTAL ACHES, AND NERVOUS FATIGUE. D. P. C. LABORATORIES, INC., Holton, Kans.
Filed December 27, 1926. Serial No. 241,989. PUBLISHED FEBRUARY 22, 1927.

227,399. SANITARY NAPKINS. DORCOLO HYGIENIC COMPANY, New York, N. Y.
Filed December 27, 1926. Serial No. 241,991. PUBLISHED FEBRUARY 15, 1927.

227,400. BRAZIL NUTS, MIXED NUTS, FILBERTS, ALMONDS, AND PECANS IN THE SHELL. THE HILLS BROTHERS COMPANY, New York, N. Y.
Filed December 27, 1926. Serial No. 242,005. PUBLISHED FEBRUARY 22, 1927.

227,401. TABLE SALT. LESLIE-CALIFORNIA SALT CO., San Francisco, Calif.
Filed December 27, 1926. Serial No. 242,014. PUBLISHED FEBRUARY 22, 1927.

227,402. MEDICINE FOR GRIPPE, COLDS, COUGHS, AND FEMALE DISORDERS. MEMHARD-GOURLEY CO., New York, N. Y.
Filed December 27, 1926. Serial No. 242,017. PUBLISHED FEBRUARY 22, 1927.

227,403. NONALCOHOLIC, MALTLESS BEVERAGES. SALVATORE SULLO, Boston, Mass.
Filed December 27, 1926. Serial No. 242,030. PUBLISHED FEBRUARY 22, 1927.

227,404. MEDICINES FOR TREATMENT OF CANCER, PILES, RHEUMATISM, STOMACH TROUBLE, AND FOR THE RELIEF OF PAIN. JOSEPH KROLOPP, Youngstown, Ohio.
Filed December 28, 1926. Serial No. 242,061. PUBLISHED FEBRUARY 22, 1927.

227,405. ARTIFICIAL BAITS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed December 29, 1926. Serial No. 242,127. PUBLISHED FEBRUARY 22, 1927.

227,406. MONTHLY MAGAZINE. SIEGFRIED E. GRUENSTEIN, Chicago, Ill.
Filed December 30, 1926. Serial No. 242,182. PUBLISHED FEBRUARY 22, 1927.

227,407. BATH SALTS. WEST ELECTRIC HAIR CURLER CORPORATION, Philadelphia, Pa.
Filed December 30, 1926. Serial No. 242,219. PUBLISHED FEBRUARY 15, 1927.

227,408. KRINKLE-BRAIDED RUGS. DELTOX RUG COMPANY, Oshkosh, Wis.
Filed January 3, 1927. Serial No. 242,282. PUBLISHED FEBRUARY 22, 1927.

227,409. FISHING LINE. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 3, 1927. Serial No. 242,286. PUBLISHED FEBRUARY 22, 1927.

227,410. KNITTED OR NETTED TEXTILE FABRIC SOLD IN THE PIECE—VIZ, CHEESECLOTH. GRISWOLDVILLE MFG. COMPANY, New York, N. Y.
Filed January 3, 1927. Serial No. 242,292. PUBLISHED FEBRUARY 22, 1927.

227,411. POLISHES, PARTICULARLY SHOE POLISHES. SAVELL, SAYRE & COMPANY, INC., Niagara Falls, N. Y.
Filed January 3, 1927. Serial No. 242,313. PUBLISHED FEBRUARY 22, 1927.

227,412. ROLLER COASTERS AND SLEDS. FRANK WISSIG, Baltimore, Md.
Filed January 3, 1927. Serial No. 242,328. PUBLISHED FEBRUARY 22, 1927.

227,413. DYES AND DYESTUFFS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed January 5, 1927. Serial No. 242,369. PUBLISHED FEBRUARY 22, 1927.

227,414. SOAP. WILLIAM CARSON BLACK, Lexington, Ky.
Filed December 17, 1926. Serial No. 241,599. PUBLISHED FEBRUARY 22, 1927.

227,415. BREAD. J. B. BLOOD COMPANY, Lynn, Mass.
Filed December 17, 1926. Serial No. 241,600. PUBLISHED FEBRUARY 15, 1927.

227,416. LADIES', MISSES', MEN'S, AND INFANTS' SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR ANY COMBINATION THEREOF. THE HECHT CO., Washington, D. C., doing business as The Hub, and Hecht Brothers, Baltimore, Md., and New York, N. Y.
Filed December 17, 1926. Serial No. 241,618. PUBLISHED FEBRUARY 15, 1927.

227,417. LIQUID ANTISEPTIC FOR MEDICAL USE AND FOR PURPOSES OF PERSONAL HYGIENE. KLOREX COMPANY, Columbia, S. C.
Filed December 17, 1926. Serial No. 241,625. PUBLISHED FEBRUARY 8, 1927.

227,418. LADIES', MENS', AND CHILDREN'S HOSIERY AND KNITTED AND TEXTILE UNDERWEAR IN ONE AND TWO PIECE GARMENTS. HARRY D. LIEBSCHUTZ, doing business as The Primfit Textile Co., Cincinnati, Ohio, assignor to The Primfit Textile Co., Inc., Cincinnati, Ohio, a Corporation of Ohio.
Filed December 17, 1926. Serial No. 241,630. PUBLISHED FEBRUARY 15, 1927.

227,419. RIBBONS IN THE BOLT OR PIECE. CORBETT BROTHERS CO., New York, N. Y.
Filed December 18, 1926. Serial No. 241,654. PUBLISHED FEBRUARY 22, 1927.

227,420. MOCCASIN LACES AND SHOE STRINGS. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed December 18, 1926. Serial No. 241,676. PUBLISHED FEBRUARY 22, 1927.

227,421. PAPER CUTTERS AND PAPER-CUTTING MACHINES AND PARTS THEREOF AND INKING MECHANISM FOR PRINTING PRESSES, INCLUDING INK FOUNTAINS, VIBRATORS, AND PARTS THEREOF. THE CHANDLER & PRICE COMPANY, Cleveland, Ohio.
Filed December 20, 1926. Serial No. 241,695. PUBLISHED FEBRUARY 22, 1927.

227,422. OUTER SUITS FOR MEN AND BOYS. HARRY DAROFF & SONS, Philadelphia, Pa.
Filed December 20, 1926. Serial No. 241,699. PUBLISHED FEBRUARY 15, 1927.

227,423. FUEL-MIXING GAS SAVERS FOR INTERNAL-COMBUSTION MOTORS. HENRY FREUND, Houston, Tex.
Filed December 20, 1926. Serial No. 241,713. PUBLISHED FEBRUARY 22, 1927.

227,424. SUGAR WAFERS, A BISCUIT PRODUCT. ROBERT A. JOHNSTON CO., Milwaukee, Wis.
Filed December 20, 1926. Serial No. 241,723. PUBLISHED FEBRUARY 15, 1927.

227,425. SANDWICH COOKY, A BISCUIT PRODUCT. ROBERT A. JOHNSTON CO., Milwaukee, Wis.
Filed December 20, 1926. Serial No. 241,724. PUBLISHED FEBRUARY 15, 1927.

227,426. FACE POWDER, TALCUM POWDER, COMPACT POWDER, ROUGE, COLD CREAM, VANISHING CREAM, LIP-STICK ROUGE, HAIR WASH, TOOTH PASTE, SHAMPOO PREPARATIONS, TOILET WATERS, AND PERFUME. THE HOUSE OF TRE-JUR, New York, N. Y.
Filed Decemebr 20, 1926. Serial No. 241,718. PUBLISHED FEBRUARY 22, 1927.

227,427. WHEAT FLOUR. NEW ULM ROLLER MILL COMPANY, New Ulm, Minn.
Filed December 20, 1926. Serial No. 241,741. PUBLISHED FEBRUARY 15, 1927.

227,428. MONTHLY MAGAZINE. POPE PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1926. Serial No. 241,743. PUBLISHED FEBRUARY 22, 1927.

227,429. PLAYING CARDS. WHITMAN PUBLISHING CO., Racine, Wis.
Filed December 20, 1926. Serial No. 241,758. PUBLISHED FEBRUARY 22, 1927.

227,430. COFFEE. THE WOOLSON SPICE CO., Toledo, Ohio.
Filed December 20, 1926. Serial No. 241,762. PUBLISHED FEBRUARY 22, 1927.

227,431. AUTOMOBILE AND FURNITURE POLISH. FRED P. BARTHEL, doing business as Barthel Laboratories, New York, N. Y.
Filed December 21, 1926. Serial No. 241,767. PUBLISHED FEBRUARY 15, 1927.

227,432. MEDICINAL PREPARATION USED HYPODERMICALLY IN THE TREATMENT OF SURGICAL SHOCK, HEMORRHAGE, ASTHMA, AND FOR HEART STIMULATION. THE HARROWER LABORATORY INC., Wilmington, Del., and Glendale, Calif.
Filed December 21, 1926. Serial No. 241,773. PUBLISHED FEBRUARY 22, 1927.

227,433. CELLULOID COMBS, CELLULOID HAIRPINS, CELLULOID BARRETTES, CELLULOID SHOE BUCKLES, CELLULOID BUTTONHOOKS, GLOVE STRETCHERS, CELLULOID CUFF BUTTONS, CELLULOID LINGERIE CLASPS, CELLULOID JEWELRY; CELLULOID TOILET SETS COMPRISING COMBS, MIRRORS, HAIRBRUSHES, CLOTHES BRUSHES, POWDER BOXES, PUFF BOXES, SHOEHORNS, BUTTONHOOKS, NAIL FILES, CUTICLE REMOVERS, BUFFERS, CREAM JARS, SALVE JARS, JEWELRY CASES, CLOCKS, PERFUME-BOTTLE HOLDERS, AND ATOMIZERS. NEWARK TORTOISE SHELL NOVELTY CO., Newark, N. J.
Filed December 22, 1926. Serial No. 241,831. PUBLISHED FEBRUARY 22, 1927.

227,434. GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, AND GARNET LAC. ANGELO BROS. LIMITED, Calcutta, British India.
Filed April 16, 1924. Serial No. 195,617. PUBLISHED SEPTEMBER 23, 1924.

227,435. GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, GARNET LAC. ANGELO BROS. LIMITED, Calcutta, British India.
Filed April 16, 1924. Serial No. 195,619. PUBLISHED SEPTEMBER 23, 1924.

227,436. RADIO RECEIVING SETS AND PARTS THEREOF. PAUL GOLDSTEIN & CO. INC., New York, N. Y.
Filed September 25, 1924. Serial No. 203,084. PUBLISHED FEBRUARY 15, 1927.

227,437. PISTON RINGS. THE WEL-EVER PISTON RING COMPANY, Toledo, Ohio.
Filed October 9, 1924. Serial No. 203,656. PUBLISHED FEBRUARY 22, 1927.

227,438. POWDER FOR REMOVING HAIR, HAIR WAVING AND CURLING FLUID, FACE CREAM, ETC. JOSEPH A. GARNICHARD, Chicago, Ill.
Filed October 27, 1924. Serial No. 204,450. PUBLISHED FEBRUARY 22, 1927.

227,439. BOOKLETS AND CIRCULARS SOLD TO THE TRADE AS SUCH. GEORGE P. LEWIS, doing business as the Farmers and Merchants Cooperative Advertising Agency, Denver, Colo.
Filed December 8, 1924. Serial No. 206,420. PUBLISHED FEBRUARY 22, 1927.

227,440. DENATURED ALCOHOL, ZINC OINTMENT, CASTOR OIL, ETC. PEOPLES DRUG STORES, INC., Washington, D. C.
Filed December 19, 1924. Serial No. 206,974. PUBLISHED DECEMBER 28, 1926.

227,441. CANNED SARDINES. NAOSABURO TATSUKAWA, doing business as Ono Trading Co., San Francisco, Calif.
Filed February 18, 1925. Serial No. 209,821. PUBLISHED FEBRUARY 22, 1927.

227,442. CANNED SARDINES. NAOSABURO TATSUKAWA, doing business as Ono Trading Co., San Francisco, Calif.
Filed February 18, 1925. Serial No. 209,822. PUBLISHED FEBRUARY 22, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

227,443. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio. Filed Mar. 20, 1926. Serial No. 228,903.

FROSTED

Particular description of goods.—Leather.
Claims use since about Feb. 20, 1926.

227,444. (CLASS 37. PAPER AND STATIONERY.) HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass. Filed Mar. 24, 1926. Serial No. 229,109.

DARTFORD

Particular description of goods.—Writing and Printing Paper and Mailing Envelopes Adapted for Announcement Purposes.
Claims use since Mar. 20, 1926.

227,445. (CLASS 37. PAPER AND STATIONERY.) CHAPIN & GOULD PAPER COMPANY, Springfield, Mass. Filed Mar. 31, 1926. Serial No. 229,431.

ALGERIAN BOND

Particular description of goods.—Writing and Printing Paper.
Claims use since Mar. 23, 1926.

227,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISIDOR HABER, doing business as The Lily Food Products Co., Brooklyn, N. Y. Filed Apr. 3, 1926. Serial No. 229,625.

THE LILY FOOD PRODUCTS CO.

Particular description of goods.—Dried Lentils, Dried Peas, Dried Beans, and Rice.
Claims use since about Mar. 2, 1926.

227,447. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) JOHN T. OPIE, doing business as Opie Brush Company, Kansas City, Mo. Filed Apr. 12, 1926. Serial No. 230,042.

DIRT-OFF

Particular description of goods.—Soaps and Scouring and Cleaning Compounds in Powder Form for Cleaning and Scouring Woodwork, Porcelain, Marble, Tile, and Glazed, Painted, Glass, and Metal Surfaces.
Claims use since Mar. 1, 1926.

227,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEO J. JUENEMANN, doing business as Golden State Pickle Co., Los Angeles, Calif. Filed Aug. 20, 1926. Serial No. 236,213.

Golden Pheasant

Particular description of goods.—Certain Named Food Products.
Claims use since Jan. 1, 1925.

227,449. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE BRUCKMANN CO., Cincinnati, Ohio. Filed Nov. 12, 1926. Serial No. 239,963.

Bruck's

Particular description of goods.—A Malt Beverage.
Claims use since Jan. 1, 1919.

227,450. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BENJAMIN BINDER, doing business as Binder Electric Supply Company, Trenton, N. J. Filed Dec. 2, 1926. Serial No. 240,844.

Binders

Particular description of goods.—Electric Insulated Wire, Sockets, Switches, and Wiring Fittings Used in the Installation of Electric Lighting Fixtures.
Claims use since Oct. 1, 1924.

227,451. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BENJAMIN BINDER, doing business as Binder Electric Supply Company, Trenton, N. J. Filed Dec. 2, 1926. Serial No. 240,845.

Binderlites

Particular description of goods.—Electric Lighting Fixtures.
Claims use since Oct. 1, 1924.

227,452. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PASQUALE PETROMILLI, doing business as Guerrini Company, San Francisco, Calif. Filed Dec. 22, 1926. Serial No. 241,836.

GUERRINI COMPANY

Particular description of goods.—Accordions.
Claims use since July, 1902.

227,453. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) FECKER COMPANY, Danville, Ill. Filed Jan. 10, 1927. Serial No. 242,580.

FECKER'S

Particular description of goods.—Malt Extracts and Sirups for Beverages.
Claims use since 1919.

227,454. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE A. BURDSAL COMPANY, Indianapolis, Ind. Filed Jan. 12, 1927. Serial No. 242,705.

BURDSAL'S WASHABLE LUSTER-LOW

Particular description of goods.—Paste and Ready-Mixed Paints.
Claims use since June 3, 1923.

227,455. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE PECAN GROWERS EXCHANGE, INC., Barnesville, Ga. Filed Jan. 15, 1927. Serial No. 242,884.

Valencia

Particular description of goods.—Pecans in Their Natural State.
Claims use since Dec. 15, 1921.

227,456. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE VALLEY CREAMERY CO., Chicago, Ill. Filed Mar. 12, 1927. Serial No. 245,680.

BLUE VALLEY BUTTER
is good butter

Particular description of goods.—Butter.
Claims use since 1915.

227,457. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Feb. 17, 1927. Serial No. 244,517.

STANDARD

Particular description of goods.—Paraffin Wax for Washing Purposes and Harness Oil.
Claims use since Jan. 14, 1925.

227,458. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Feb. 17, 1927. Serial No. 244,519.

STANDARD

Particular description of goods.—Liquid Gloss, Floor Oil, and Floor Dressing.
Claims use since Jan. 14, 1925.

227,459. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y. Filed Sept. 2, 1925. Serial No. 219,688.

OSCILLATOR

Particular description of goods.—Musical Instruments and Supplies, Specifically Phonographs and Parts Thereof and Mechanical Reproducing or Amplifying Air-Moving or Vibrating Appliances Therefor.
Claims use since Aug. 12, 1925.

227,460. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARTMAN FURNITURE & CARPET CO., Chicago, Ill. Filed Oct. 1, 1925. Serial No. 221,060.

Hartman's
Everything for the Home

Particular description of goods.—Electric Percolators, Electric Sadirons, Electric Household Stoves, Electric Air and Water Heaters, Electric Grills, Electric Searchlights, Electric Waffle Irons, Electric Curling Irons, Electric Dishwashers, Electric Coffee Urns, Electric Soldering Irons, Electric Fans, Electric Cookers, Electric Motors, and Electric Vacuum Cleaners.
Claims use since May 2, 1925.

227,461. (CLASS 12. CONSTRUCTION MATERIALS.) THE DIATOM INSULATION CO., Baltimore, Md. Filed Feb. 9, 1926. Serial No. 227,065.

STOPHEAT

Particular description of goods.—Brick for Insulating Sound, Heat, and Cold.
Claims use since Aug. 1, 1925.

227,462. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE WEIDLICH BROS. MFG. CO., Bridgeport, Conn. Filed Feb. 9, 1926. Serial No. 227,096.

AVON

Particular description of goods.—Gold and Silver Plated Metal Novelties—Namely, Ash Trays, Candlesticks, Puff Boxes, Trinket Boxes, Salt and Pepper Sets, Vases, Dresser Articles, Jewel Cabinets, and Cigarette Boxes.
Claims use since Jan. 30, 1926.

227,463. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LYONS PIECE DYE WORKS, Paterson, N. J. Filed Mar. 16, 1926. Serial No. 228,715.

SKEIN-DYE FINISH

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 3, 1926.

227,464. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LYONS PIECE DYE WORKS, Paterson, N. J. Filed Mar. 16, 1926. Serial No. 228,716.

YARN-DYE FINISH

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 3, 1926.

227,465. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SCHOLL MFG. CO. INC., Chicago, Ill. Filed Mar. 19, 1926. Serial No. 228,872.

Surgical

Particular description of goods.—Arch Supports.
Claims use since January, 1912.

227,466. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ISORA M. LYONS, doing business as California Oil Burner Company, Kansas City, Mo. Filed Mar. 7, 1927. Serial No. 245,358.

California

Particular description of goods.—Liquid Fuel Burners.
Claims use since Apr. 15, 1921.

227,467. (CLASS 27. HOROLOGICAL INSTRUMENTS.) CHARLES BERNSTEIN & CO., New York, N. Y. Filed Feb. 21, 1927. Serial No. 244,650.

CHARLTON

Particular description of goods.—Watches, Clocks, and Their Movements.
Claims use since Jan. 1, 1924.

227,468. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JOHN LOUIS DUNCAN, doing business as Duncan's, Manchester, England. Filed Feb. 9, 1927. Serial No. 244,063.

DUNCAN'S
SILVER SLEEVE

Particular description of goods.—Tobacco Pipes.
Claims use since May 30, 1923.

227,469. (CLASS 11. INKS AND INKING MATERIALS.) RALPH W. GRAUBERT, New York, N. Y. Filed Feb. 24, 1927. Serial No. 244,823.

SUPERIOR
STAMPING
LEAF

Particular description of goods.—Pigment Black, White, and Colored Stamping Leaf, to Be Used on a Hot Stamping Press.
Claims use since June 10, 1925.

227,470. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ERNEST E. DALTON, Chicago, Ill. Filed Feb. 26, 1927. Serial No. 244,918.

CERTIFIED
AKERS
TECHNICIAN
BETTER PARTIALS

Particular description of goods.—Dental Bridges and Artificial Teeth.
Claims use since Jan. 1, 1926.

227,471. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICUS B. COLVIN, Bussey, Ark. Filed Mar. 2, 1927. Serial No. 245,082.

COLVIN'S

Particular description of goods.—A Medical Preparation for Use in the Treatment of Chronic Ulcers and Sores.
Claims use since Jan. 1, 1924.

227,472. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM S. MATHEWSON, doing business as Dyner Food Company, Philadelphia, Pa. Filed Mar. 5, 1927. Serial No. 245,280.

DYNER'S

Particular description of goods.—A Dressing for Salads, Cold Meats, and Other Foods.
Claims use since on or about Feb. 1, 1926.

227,473. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CALIFORNIA BOTTLING WORKS, doing business as the California Bottling Co., Los Angeles, Calif. Filed Mar. 7, 1927. Serial No. 245,331.

America's Champagne

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since October, 1925.

TRADE-MARK REGISTRATIONS RENEWED

29,756. LAGER BEER. Registered March 30, 1897. GABRIEL SEDLMAYR BRAUEREI ZUM SPATEN. Renewed March 30, 1927, to Gabriel U. Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. Munchen, Munich, Germany, assignee.

29,758. LAGER BEER. Registered March 30, 1897. GABRIEL SEDLMAYR BRAUEREI ZUM SPATEN. Renewed March 30, 1927, to Gabriel U. Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. Munchen, Munich, Germany, assignee.

30,346. BICYCLES. Registered July 6, 1897. JOHN WANAMAKER. Renewed July 6, 1927, to John Wanamaker Philadelphia, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

30,550. MEDICINES. Registered September 14, 1897. KOENIG MEDICINE CO. Renewed September 14, 1927, to Koenig Medicine Company, Chicago, Ill., a Corporation of Illinois, assignee.

30,566. SOAPS, PERFUMES, POWDERS, AND LIQUIDS. Registered September 21, 1897. COLGATE & COMPANY. Renewed September 21, 1927, to Colgate & Company, Jersey City, N. J., a Corporation of New Jersey, assignee.

52,937. CHOCOLATE. Registered May 22, 1906. SOCIÉTÉ GÉNÉRALE SUISSE DE CHOCOLATS, Vevey, Switzerland. Renewed May 22, 1926, to Lamont, Corliss & Company, New York, N. Y., a Corporation of New York, successor.

52,938. CHOCOLATE. Registered May 22, 1906. SOCIÉTÉ GÉNÉRALE SUISSE DE CHOCOLATS, Vevey, Switzerland. Renewed May 22, 1926, to Lamont, Corliss & Company, New York, N. Y., a Corporation of New York, successor.

57,349. PIANO PLAYERS. Registered November 13, 1906. THE AUTOTONE COMPANY. Renewed November 13, 1926, to Hardman, Peck & Co., New York, N. Y., a Corporation of New York, successor.

57,613. CHOCOLATE. Registered November 13, 1906. SOC. AN. DES FABRIQUES BERNOISES & ZURICOISES DE CHOCOLAT LINDT & DE CHOCOLAT SPRÜNGLI, Kilchberg, near Zurich, Switzerland. Renewed November 13, 1926, to Lindt & Sprungli, Inc., New York, N. Y., a Corporation of New York, assignee.

59,591. CENTRIFUGAL LIQUID SEPARATORS AND PARTS BELONGING THERETO. Registered January 15, 1907. AKTIEBOLAGET SALENIUS' WERKSTÄDER, Stockholm, Sweden, a Corporation of Sweden. Renewed January 15, 1927.

59,829. REFINED PETROLEUM AND BURNING OILS. Registered January 22, 1907. PURE OIL COMPANY, Philadelphia, Pa. Renewed January 22, 1927, to Pure Oil Company, Columbus, Ohio, a Corporation of Ohio, assignee.

60,169. A WEEKLY NEWSPAPER. Registered January 29, 1907. THE NATIONAL TRIBUNE COMPANY. Renewed January 29, 1927, to National Tribune Corporation, Washington, D. C., a Corporation of Delaware, successor.

60,478. FLAVORING EXTRACTS. Registered February 12, 1907. GREEVER-LOTSPEICH MANUFACTURING COMPANY. Renewed February 12, 1927, to Greever-Lotspeich Manufacturing Company, Knoxville, Tenn., a Corporation of Tennessee, successor.

60,514. CIGARS. Registered February 12, 1907. CIFUENTES, FERNANDEZ Y CA. Renewed February 12, 1927, to Cifuentes, Pego y Compania, Habana, Cuba, assignee.

60,667. LUBRICATING OILS AND GREASES, PLUMBAGO USED AS A LUBRICANT AND LUBRICATING GRAPHITE. Registered February 19, 1907. PURE OIL COMPANY, Philadelphia, Pa. Renewed February 19, 1927, to Pure Oil Company, Columbus, Ohio, a Corporation of Ohio, assignee.

60,712. SMOKED MEATS. Registered February 19, 1907. FRED WOLFERMAN. Renewed February 19, 1927, to Fred Wolferman, Inc., Kansas City, Mo., a Corporation of Missouri, assignee by mesne assignments.

60,916. COAL. Registered February 26, 1907. BERWIND WHITE COAL MINING COMPANY. Renewed February 26, 1927, to The Berwind-White Coal Mining Co., Philadelphia, Pa., a Corporation of Pennsylvania, successor.

60,921. MODELING PASTE. Registered February 26, 1907. WM. HARBUTT. Renewed February 26, 1927, to Harbutt's Plasticine, Ltd., Bath, England, a Limited-Liability Company of Great Britain, assignee.

60,987. FEED GRINDERS. Registered February 26, 1907. SPARTAN MANUFACTURING CO., Galesburg Ill. Renewed February 26, 1927, to Spartan Manufacturing Company, Pontiac, Ill., a Corporation of Illinois.

61,145. AUTOMOBILES AND PARTS THEREOF EXCEPT RUBBER TIRES. Registered March 5, 1907. ARGUS MOTOREN GESELLSCHAFT JEANNIN & CO. COMM.-GES. Renewed March 5, 1927, to Argus Motoren Gesellschaft mit beschrankter Haftung, Berlin, Germany, successor.

61,281. SNAP FASTENERS. Registered March 12, 1907. ALMA MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md., a Corporation of Maryland. Renewed March 12, 1927.

61,283. LUBRICATING OILS. Registered March 12, 1907. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Renewed March 12, 1927, to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania.

61,284. LUBRICATING OILS. Registered March 12, 1907. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Renewed March 12, 1927, to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania.

61,315. FERTILIZERS. Registered March 12, 1907. VIRGINIA-CAROLINA CHEMICAL COMPANY, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C.; and Memphis, Tenn. Renewed March 12, 1927, to The American Agricultural Chemical Company, New York, N. Y., a Corporation of Connecticut, successor.

61,575. LEATHER BOOTS AND SHOES. Registered March 26, 1907. HERBERT LINCOLN PURDY, Boston, Mass. Renewed March 26, 1927, to Alfred L. Lincoln, East Weymouth, Mass., assignee.

61,641. A SOLUTION FOR SOLDERING AND CLEANSING METALS. Registered April 2, 1907. BRUMER BROS., Clinton, Iowa. Renewed April 2, 1927, to T & T Company (Not Inc.), Chicago, Ill., a Partnership, successor.

61,650. ACCUMULATORS. Registered April 2, 1907. ALBERT MÜLLER, New York, N. Y. Renewed April 2, 1927, to Albert Müller, Jamaica, N. Y.

61,666. AN OINTMENT FOR PILES, CUTS, BURNS, AND ALL ERUPTIONS OF THE SKIN. Registered April 2, 1907. THE JAMES W. FOSTER CO., Bath, N. H., a Corporation of New Hampshire. Renewed April 2, 1927.

61,688. WHISKY. Registered April 2, 1907. FREDERICK C. RENZIEHAUSEN, doing business as The Large Distilling Co., Pittsburgh, Pa. Renewed April 2, 1927.

61,698. MEDICINES FOR THE TREATMENT AND REGULATION OF THE STOMACH, BOWELS, LIVER, AND KIDNEYS. Registered April 2, 1907. WILLIAM C. BURK, Philadelphia, Pa. Renewed April 2, 1927.

61,712. INJECTORS FOR STATIONARY AND LOCOMOTIVE STEAM BOILERS. Registered April 2, 1907. THE OHIO INJECTOR CO., Wadsworth, Ohio, a Corporation of Ohio. Renewed April 2, 1927.

61,791. CERTAIN MEDICINE. Registered April 2, 1907. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a Corporation of Switzerland. Renewed April 2, 1927.

61,956. MEDICINES FOR BLOOD DISEASES. Registered April 9, 1907. JACOB SCHNEIDER & CO. Renewed April 9, 1927, to Ada S. Wemple, doing business as Jacob Schneider & Co., Chicago, Ill., successor.

62,019. RAZORS. Registered April 16, 1907. CHARLES FOSBERY BUTCHER. Renewed April 16, 1927, to W. & S. Butcher Limited, Sheffield, England, a Corporation of Great Britain, successor.

62,020. STEEL AND IRON IN BARS, SHEETS, RODS, RAILS, PLATES, AND WIRE. Registered April 16, 1907. CAMMELL LAIRD AND COMPANY, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed April 16, 1927.

62,021. STEEL AND IRON IN BARS, SHEETS, RODS, RAILS, PLATES, AND WIRE. Registered April 16, 1907. CAMMELL LAIRD AND COMPANY, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed April 16, 1927.

62,267. REFINED SUGAR OF ALL DESCRIPTION. Registered April 30, 1907. HENRY TATE & SONS, LIMITED. Renewed April 30, 1927, to Tate & Lyle Ltd., London, England, a Corporation of Great Britain, assignee.

62,271. WHITE LEAD. Registered April 30, 1907. ROBT. SHOEMAKER & CO. Renewed April 30, 1927, to Robt. Shoemaker & Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

62,272. READY-MIXED PAINTS. Registered April 30, 1907. ROBT. SHOEMAKER & CO. Renewed April 30, 1927, to Robt. Shoemaker & Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

62,276. BUCKLES. Registered April 30, 1907. ALMA MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md., a Corporation of Maryland. Renewed April 30, 1927.

62,300. CERTAIN MEDICINE. Registered April 30, 1907. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a Corporation of Switzerland. Renewed April 30, 1927.

62,359. HOSIERY. Registered April 30, 1907. OWEN OSBORNE. Renewed April 30, 1927, to Owen Osborne, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

62,360. HOSIERY. Registered April 30, 1907. OWEN OSBORNE. Renewed April 30, 1927, to Owen Osborne, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

62,384. PERFUMED FANCY SOAPS. Registered May 7, 1907. A. & F. PEARS, LIMITED, London, England, a Corporation of the United Kingdom of Great Britain and Ireland. Renewed May 7, 1927.

62,601. LINIMENTS. Registered May 14, 1907. FREDERICK PARKER DOUGLAS. Renewed May 14, 1927, to Willet Jacob Doller, Napanee, Ontario, Canada, assignee by mesne assignments.

62,733. WHISKY. Registered May 21, 1907. FREDERICK C. RENZIEHAUSEN, doing business as The Large Distilling Co., Pittsburgh, Pa. Renewed May 21, 1927.

62,799. MOTOR BRUSHES AND BRUSHES FOR DYNAMOS. Registered May 28, 1907. THE MORGAN CRUCIBLE CO. LIMITED, Battersea, London, England, a Limited-Liability Company of Great Britain. Renewed May 28, 1927.

62,895. BLANKETS, COMFORTABLES AND EIDERDOWN PIECE GOODS. Registered May 28, 1907. BEACON MANUFACTURING CO., Providence, R. I. Renewed May 28, 1927, to Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I., a Corporation of Massachusetts.

62,984. A MEDICINAL SOLUTION OF IRON CHLORIDE. Registered June 4, 1907. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed June 4, 1927.

62,985. MEDICINAL PENCILS OR CONES. Registered June 4, 1907. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed June 4, 1927.

63,020. SAWS. Registered June 4, 1907. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed June 4, 1927.

63,076. PASTILS. Registered June 4, 1907. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed June 4, 1927.

63,282. OVERALLS AND JUMPERS. Registered June 11, 1907. HOOKER, CORSER AND MITCHELL COMPANY, Brattleboro, Vt., a Corporation of Vermont. Renewed June 11, 1927.

63,340. LEAD PIGMENTS. Registered June 18, 1907. PICHER LEAD COMPANY, Joplin, Mo. Renewed June 18, 1927, to The Eagle-Picher Lead Company, Chicago, Ill., a Corporation of Ohio, assignee.

63,404. CUTLERY IN GENERAL. Registered June 18, 1907. BROOKES & CROOKES. Renewed June 18, 1927, to Brookes & Crookes, Ld., Sheffield, England, a Corporation of Great Britain, successor.

63,577. CERTAIN HEADWEAR. Registered June 25, 1907. CHRISTY & COMPY. LIMITED, London, England, a Corporation of England. Renewed June 25, 1927.

63,797. CERTAIN CLOTHING. Registered July 9, 1907. A. G. SPALDING & BROS., Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed July 9, 1927.

63,831. HORSE BLANKETS. Registered July 9, 1907. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed July 9, 1927.

63,917. CORSETS. Registered July 16, 1907. JOHN WANAMAKER. Renewed July 16, 1927, to John Wanamaker Philadelphia, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

63,958. A SALVE. Registered July 16, 1907. KEYSTONE CATARRH REMEDY CO., Belle Vernon, Pa. Renewed July 16, 1927.

64,079. CERTAIN RUBBER GOODS. Registered July 23, 1907. FRANK W. WHITCHER. Renewed July 23, 1927, to Frank W. Whitcher Company, Boston, Mass., a Corporation of Massachusetts, assignee.

64,125. BEER. Registered July 23, 1907. ANHEUSER-BUSCH BREWING ASSOCIATION. Renewed July 23, 1927, to Anheuser-Busch, Incorporated, St. Louis, Mo., a Corporation of Missouri, assignee.

64,143. COTTON AND WOOLEN DRESS GOODS. Registered July 23, 1907. MARSHALL FIELD & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed July 23, 1927.

64,179. OILS AND GREASES USED IN STUFFING AND FINISHING LEATHER. Registered July 30, 1907. STERLING OIL COMPANY. Renewed July 30, 1927, to Sterling Oil Company of Pennsylvania, Emlenton, Pa., a Corporation of Pennsylvania, assignee.

64,190. KNIT UNDERWEAR. Registered July 30, 1907. BRILL BROTHERS, New York, N. Y. Renewed July 30, 1927.

64,205. KID GLOVES. Registered July 30, 1907. JOHN WANAMAKER. Renewed July 30, 1927, to John Wanamaker Philadelphia, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

64,257. CERTAIN FOOTWEAR. Registered July 30, 1907. WRIGHT & DITSON, Jersey City, N. J., and Boston, Mass. Renewed July 30, 1927, to Wright & Ditson, Jersey City, N. J., a Corporation of New Jersey.

64,314. BREAD. Registered July 30, 1907. PAPENDICK & Co. Renewed July 30, 1927, to Papendick Bakery Company, St. Louis, Mo., a Corporation of Missouri, assignee.

64,334. TOOLS FOR FITTING SAWS. Registered August 6, 1907. E. C. ATKINS & COMPANY, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill., and Toronto, Canada. Renewed August 6, 1927, to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana.

64,341. CERTAIN ARTICLES MADE OF REFRACTORY MATERIAL. Registered August 6, 1907. THE MORGAN CRUCIBLE COMPANY, LIMITED, Battersea, London, England, a Limited-Liability Company of Great Britain. Renewed August 6, 1927.

64,363. CANDIES OF ALL KINDS. Registered August 6, 1907. LITTLEFIELD & STEERE CO., Knoxville, Tenn., a Corporation of Tennessee. Renewed August 6, 1927.

64,381. CERTAIN HEADWEAR. Registered August 6, 1907. FRANK H. CHAMBERLAIN. Renewed August 6, 1927, to Frank H. Chamberlain Co. Inc., Boston, Mass., a Corporation of Massachusetts, successor.

64,447. CERTAIN JEWELRY. Registered August 6, 1907. GEO. O. STREET & SONS. Renewed August 6, 1927, to George O. Street & Sons, Inc., New York, N. Y., a Corporation of New York, assignee.

64,597. BISCUIT. Registered August 13, 1907. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed August 13, 1927, to National Biscuit Company, New York, N. Y., a Corporation of New Jersey.

64,639. BEER. Registered August 13, 1907. UNIONS-BRAUEREI SCHÜLEIN & Co. ACTIEN-GESELLSCHAFT. Renewed August 13, 1927, to Aktienbrauerei zum Lowenbrau in Munchen, Munich, Germany, a Corporation of Germany, assignee.

64,764. CHOCOLATES. Registered August 20, 1907. TOURAINE CONFECTIONERY Co., Boston, Mass. Renewed August 20, 1927, to Kibbe Brothers Company, Springfield, Mass., a Corporation of Massachusetts, assignee.

64,791. LINEN, COTTON AND LINEN, AND COTTON PIECE GOODS. Registered August 20, 1907. MARSHALL FIELD & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 20, 1927.

64,861. PADS OR PADDING FOR COATS OR GARMENTS. Registered August 27, 1907. PHOENIX PAD COMPANY. Renewed August 27, 1927, to Phoenix Pad Manufacturing Co., Baltimore, Md., a Corporation of Maryland, successor.

64,870. KNITTED UNDERWEAR. Registered August 27, 1907. JOHN WANAMAKER. Renewed August 27, 1927, to John Wanamaker Philadelphia, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

65,133. SHOE AND CORSET LACES. Registered September 10, 1907. FRANK W. WHITCHER. Renewed September 10, 1927, to Frank W. Whitcher Company, Boston, Mass., a Corporation of Massachusetts, assignee.

65,134. A FLAVORING PREPARATION. Registered September 10, 1907. WILLSON BROS., Edgerton, Wis. Renewed September 10, 1927.

65,135. WHEAT FLOUR. Registered September 10, 1907. BAY STATE MILLING COMPANY, Winona, Minn., a Corporation of Minnesota. Renewed September 10, 1927.

65,180. CERTAIN MEDICINE. Registered September 10, 1907. W. J. ROBERTS MEDICINE COMPANY, Coldwater, Mich. Renewed September 10, 1927.

65,205. ILLUMINATING OIL. Registered September 10, 1907. TIDE WATER OIL CO., New York, N. Y. Renewed September 10, 1927, to Tide Water Oil Company, Bayonne, N. J., and New York, N. Y., a Corporation of New Jersey.

65,227. PNEUMATIC TIRES. Registered September 10, 1907. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., a Corporation of Massachusetts. Renewed September 10, 1927.

65,244. BITS AND AUGERS. Registered September 17, 1907. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a Corporation of Ohio. Renewed September 17, 1927.

65,256. LAWN MOWERS. Registered September 17, 1907. ADELBERT B. CASE. Renewed September 17, 1927, to Blair Manufacturing Company, Springfield, Mass., a Corporation of Massachusetts, assignee.

65,265. COFFEE AND TEA. Registered September 17, 1907. OLIVER-FINNIE Co., Memphis, Tenn., a Corporation of Tennessee. Renewed September 17, 1927.

65,324. RECLAIMED RUBBER. Registered September 17, 1907. PEQUANOC RUBBER COMPANY, Butler, N. J., a Corporation of New Jersey. Renewed September 17, 1927.

65,333. ADVERTISING CALENDARS AND ADVERTISING BLOTTERS. Registered September 17, 1907. THE OSBORNE COMPANY, Newark, N. J., and New York, N. Y. Renewed September 17, 1927, to The Osborne Company, Newark, N. J., a Corporation of New Jersey.

65,343. FURNACES, STOVES, AND RANGES. Registered September 17, 1907. KEYSTONE STOVE FOUNDRY, Spring City, Pa., a Corporation of Pennsylvania. Renewed September 17, 1927.

65,365. LAWN MOWERS, LAWN-MOWER PARTS, AND GRASS CATCHERS. Registered September 24, 1907. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed September 24, 1927.

65,367. A POISON FOR RATS, MICE, VERMIN, AND INSECTS. Registered September 24, 1907. EPHRAIM S. WELLS. Renewed September 24, 1927, to William Henry Wells and George Titus Wells, executors and trustees under the will of Ephraim S. Wells, Jersey City, N. J., assignee.

65,382. CHOCOLATES AND CANDY. Registered September 24, 1907. WALLACE & Co., New York, N. Y. Renewed September 24, 1927, to Wallace & Co., Brooklyn, N. Y., a Corporation of New Jersey.

LABELS

REGISTERED MAY 3, 1927.

32,025.—*Title:* ODOROD CLOTHES CLOSET ROD. For Clothes-Closet Fixtures. HOWARD W. AUMACK, doing business as Aumack Manufacturing Co., Jersey City, N. J. Published January 17, 1927.

32,026.—*Title:* JUST LADE EGGS. For Eggs. LEWIS BUSWELL, Lemmon, S. Dak. Published June 15, 1926.

32,027.—*Title:* GETSUM INSECTICIDE. For Spray for Killing Bugs and Insects. L. & M. CHEMICAL COMPANY, Malden, Mass. Published January 1, 1927.

32,028.—*Title:* KIDDIES TRANSFER FLUID. For a Transfer Fluid. FRED A. CAGE, Chicago, Ill. Published February 21, 1927.

32,029.—*Title:* HOFFMAN'S HONEY. For Honey. ARTHUR H. HOFFMAN, Richmond Hill, N. Y. Published August 4, 1926.

32,030.—*Title:* BREATH OF FRANCE. For Candy. HOLLINGSWORTH CANDY CO., doing business as Hollingsworth's, Augusta, Ga. Published March 4, 1927.

32,031.—*Title:* KLECKNER'S HIGH GRADE PURE COFFEE. For Coffee. DAVID KLECKNER, New York, N. Y. Published August 1, 1926.

32,032.—*Title:* SOUR MEDICINE. For Remedy for Bronchitis, Sore Throat, Stomach Trouble, Quinsy, and Indigestion. EDGAR LANDIS, South Bend, Ind. Published November 10, 1926.

32,033.—*Title:* GORILLA RUBBER PATCH. For Rubber Patches. FANNIE L. MCCANDLESS, doing business as A. C. McCandless & Son Mfg. Co., Wichita, Kans. Published March 15, 1927.

32,034.—*Title:* KICK-O. For Malt Sirup. PHILADELPHIA MALT WAREHOUSING CORPORATION, Philadelphia, Pa. Published March 2, 1927.

32,035.—*Title:* PATERS. For Malt Sirup. PHILADELPHIA MALT WAREHOUSING CORPORATION, Philadelphia, Pa. Published November 27, 1926.

32,036.—*Title:* LUCKY DUTCHMAN. For Malt Sirup. PHILADELPHIA MALT WAREHOUSING CORPORATION, Philadelphia, Pa. Published November 10, 1926.

32,037.—*Title:* FRONTENAC. For Malt Sirup. JOS. SCHLITZ BEVERAGE COMPANY, Milwaukee, Wis. Published March 3, 1927.

32,038.—*Title:* LIEDERKRANZ. For Malt Sirup. JOS. SCHLITZ BEVERAGE COMPANY, Milwaukee, Wis. Published March 3, 1927.

32,039.—*Title:* LONG HORN. For Malt Sirup. JOS. SCHLITZ BEVERAGE COMPANY, Milwaukee, Wis. Published March 3, 1927.

32,040.—*Title:* TARGET. For Malt Sirup. JOS. SCHLITZ BEVERAGE COMPANY, Milwaukee, Wis. Published March 3, 1927.

32,041.—*Title:* THIS CAR LOADED WITH SUPERIOR SALTED SODAS. For Soda Crackers. SUPERIOR BISCUIT CO., Seattle, Wash. Published January 1, 1927.

32,042.—*Title:* TODD'S AUTO POLISH. For a Polish for Automobiles and Furniture. VIRGIL M. TODD, doing business as Todd's Products Co., Everett, Wash. Published January 10, 1926.

32,043.—*Title:* TODD'S WINDOW CLEANER. For a Preparation for Cleaning Windows. VIRGIL M. TODD, doing business as Todd's Products Co., Everett, Wash. Published January 10, 1926.

32,044.—*Title:* FAMOUS OREGON PRUNES AND WALNUTS IN A DELICIOUS BLEND. For a Health-Giving Confection. BENJAMIN F. WEST, Salem, Oreg. Published February 9, 1927.

PRINTS

REGISTERED MAY 3, 1927.

9,790.—*Title:* DOS OBRAS MAESTRAS VENUS DE MILO NO. 515. For Lead Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published January 11, 1927.

9,791.—*Title:* LAPICES DE GRAFITO VENUS NO. 514. For Lead Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published January 11, 1927.

9,792.—*Title:* LAPICES DE COPIAR VENUS NO. 525. For Lead Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published January 11, 1927.

9,793.—*Title:* WATCH HIM SHOOT THE BASKET! HEALTH HABITS BUILD THE ENERGY THAT WINS. EVERY SCHOOL DAY EAT A HOT CEREAL BREAKFAST—CREAM OF WHEAT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published February 5, 1927.

9,794.—*Title:* YOURS—NOTHING IS TOO HARD TO DO FOR THEM—SURELY NOT THIS SIMPLE THING! For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published February 10, 1927.

9,795.—*Title:* 'SEWS' YOUR OLD MAN. For Needles. JOSHUA MEIER, New York, N. Y. Published March 8, 1927.

9,796.—*Title:* RICE'S SAXA RADISH. For Radish Seeds. JEROME B. RICE SEED CO., Cambridge, N. Y. Published November 26, 1926.

9,797.—*Title:* WE ASKED 50,000 DENTISTS THE MOST FREQUENT CAUSE OF TOOTH DECAY AND GUM INFECTION. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 7, 1927.

9,798.—*Title:* WHAT DID THE DENTISTS SAY? For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 1, 1927.

9,799.—*Title:* CAN YOU AFFORD TO NEGLECT THIS WARNING GIVEN BY THE DENTAL PROFESSION? For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 21, 1927.

9,800.—*Title:* WE OFFER YOU HERE THE JUDGMENT OF THE DENTAL PROFESSION. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 28, 1927.

9,801.—*Title:* THE ONLY REAL AUTHORITY NOW TELLS YOU THE FACTS ABOUT TOOTH DECAY AND GUM INFECTIONS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 14, 1927.

9,802.—*Title:* THERE'S SOMETHING WRONG ACROSS THE STREET. For Analgesic Balm, Rochelle Salts, Talcum Powder, Nursery Cream, Zinc Ointment, Cold Cream, Benzoinated Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 1, 1927.

9,803.—*Title:* FOR YOU THIS NEW KNOWLEDGE MAY MEAN THE PRICELESS GIFT OF HEALTH. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 28, 1926.

9,804.—*Title:* KEEP HEALTH PLAYING ON YOUR SIDE. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 1, 1926.

9,805.—*Title:* HOW TO GET CHILDREN TO TAKE CASTOR OIL. For Castor Oil. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published September 1, 1926.

9,806.—*Title:* MOTHER. For Milk of Magnesia, Cod-Liver Oil, Tasteless Castor Oil, Sodium Bicarbonate, Cold Cream, Epsom Salts, Boric Acid (Powdered and Granular), Analgesic Balm, and Nursery Powder. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published March 12, 1927.

9,807.—*Title:* 50,000 DENTISTS END CONFUSION. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published March 7, 1927.

9,808.—*Title:* THE EVIDENCE IS OVERWHELMING. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published March 1, 1927.

9,809.—*Title:* THESE ANSWERS FROM 50,000 DENTISTS POINT THE WAY TO PROPER CARE FOR YOUR TEETH AND GUMS. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 14, 1927.

9,810.—*Title:* 50,000 DENTISTS SETTLE THE QUESTION ABOUT THE PROPER CARE OF TEETH AND GUMS. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 31, 1927.

9,811.—*Title:* WILL YOU TAKE THE WORD OF 50,000 DENTISTS? For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 24, 1927.

9,812.—*Title:* THE ENTIRE DENTAL PROFESSION WAS ASKED TO SETTLE THIS QUESTION. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 17, 1927.

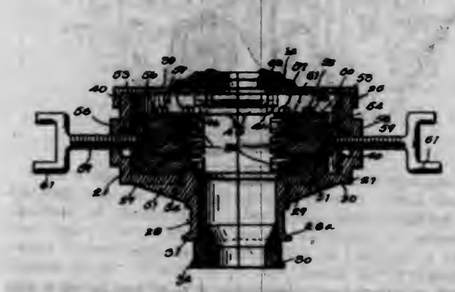
9,813.—*Title:* DON'T FORGET TO TAKE ONE HOME. For Souvenir Coin or Pocket Piece. THOMAS J. SYLVESTER, doing business as Thomas Sylvester, Philadelphia, Pa. Published May 15, 1926.

9,814.—*Title:* UNOVESELL MALT AND HOPS. For Malt and Hops. UNOVESELL MALT CO., Fall River, Mass. Published January 1, 1927.

REISSUES

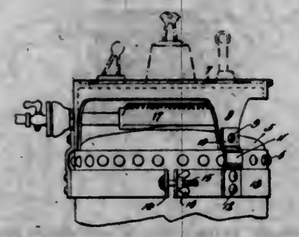
MAY 3, 1927.

16,607. OIL OR GAS WELL. ERD V. CROWELL, Los Angeles, Calif., assignor of one-half to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed June 28, 1926. Serial No. 119,262. Original No. 1,472,555, dated Oct. 30, 1923, Serial No. 492,056, filed Aug. 13, 1921. 17 Claims. (Cl. 166—14.)



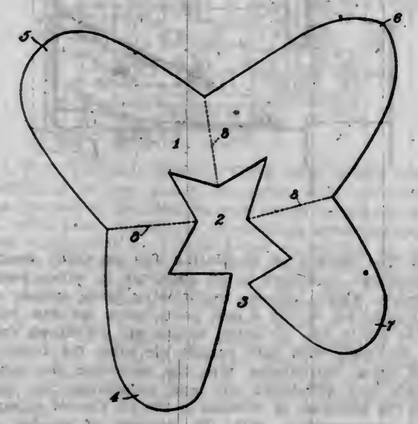
1. In a device of the character described, a bowl comprising sections, means for releasably securing the sections of the bowl together in assembly, a top for said bowl comprising sections, means for releasably securing the sections of the top together in assembly, slideways carried by the sections of the bowl, lugs carried by the sections of the top and operatively engaged in said slideways, a packing rubber in said bowl including an adjustable section operating in each of the sections of said bowl, a cage for the packing rubber having a section for each of the sections of said packing rubber, and operating mechanism for the packing rubber sections including an operating screw journaled in each bowl section, a swiveled connection between each operating screw and the adjacent cage section of its bowl section, and a handle for each operating screw.

16,608. IRON-SUPPORTING PLATE FOR HOT-WATER BOILERS. SPIROS C. MARKATOS, New York, N. Y. Filed Dec. 15, 1925. Serial No. 75,659. Original No. 1,497,730, dated June 17, 1924, Serial No. 645,475, filed June 14, 1923. 5 Claims. (Cl. 126—230.)



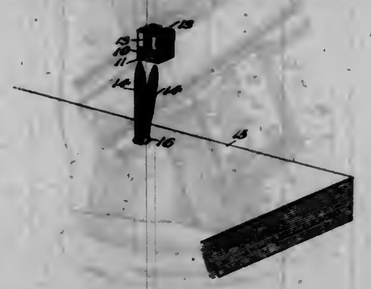
5. In combination, a vertical steam boiler, a hot plate, means attaching said plate to the boiler in vertical spaced parallel relation with the top of the boiler, and a burner arranged in the space between the hot plate and the boiler.

16,609. GLOVE. FRANK X. STURM, Alexandria, Ind., assignor to The Glove Corporation, Alexandria, Ind., a Corporation of Indiana. Filed Nov. 12, 1926. Serial No. 148,079. Original No. 1,540,713, dated June 2, 1925, Serial No. 678,555, filed Dec. 5, 1923. 8 Claims. (Cl. 2—169.)



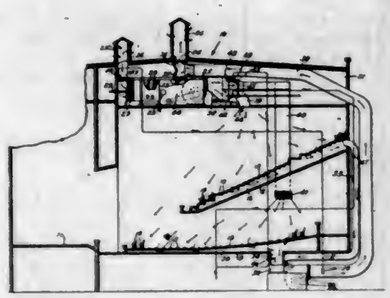
1. A glove blank for the backs of the fingers of a glove, comprising a substantially star shaped blank, the points of the star forming the finger backs and the center of the blank being slotted at the base of each point to permit the spreading of the material when the blank is folded and secured to the front of the glove.

16,610. PAPER FASTENER. JUSTIN A. ELIAS, Philadelphia, Pa., assignor to Fred J. Kline, Long Island City, N. Y. Filed Mar. 3, 1927. Serial No. 172,528. Original application filed Nov. 16, 1923, Serial No. 675,048. Renewed Dec. 19, 1925. Original No. 1,572,192, dated Feb. 9, 1926. 18 Claims. (Cl. 24—153.)



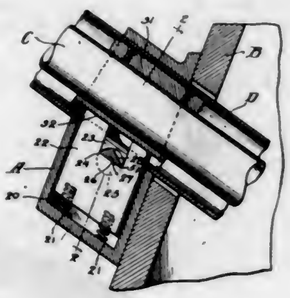
1. A fastener for a material-binding element having projecting prongs, comprising a body portion having angular projections, and means on said projections for receiving the prongs of the element, said projections being adapted to be flattened with prongs.

16,611. METHOD OF AND APPARATUS FOR COOLING AND VENTILATING. LEO L. LEWIS, Plainfield, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Filed Feb. 12, 1927. Serial No. 167,854. Original No. 1,583,060, dated May 4, 1926, Serial No. 757,389, filed Dec. 22, 1924. 17 Claims. (Cl. 236—44.)



13. The method of ventilating and providing desired atmospheric conditions in an enclosure in which people assemble, which includes conditioning fresh outside air to provide air having a dew point below the dew point of the air in the enclosure, mixing air withdrawn from the enclosure with said outside air after the latter is conditioned, introducing into the enclosure the mixed outside and withdrawn air, and permitting the relief from the enclosure of volumes of the air thereof substantially corresponding with the volumes of outside air which are conditioned and introduced into the enclosure.

16,612. AUTOMOBILE LOCK. ORVILLE S. HERSHEY, Chicago, Ill., assignor to Hershey Manufacturing Company, Chicago, Ill., a Corporation of Colorado. Filed Dec. 27, 1926. Serial No. 157,390. Original No. 1,442,765, dated Jan. 16, 1923, Serial No. 434,455, filed Jan. 3, 1921. 12 Claims. (Cl. 70—127.)



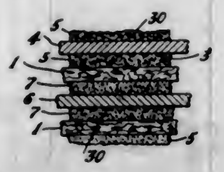
4. In a device of the kind described, a steering lock, an ignition switch, and a single control means working through successively acting slip connections adapted to operate either the latter alone or both together, substantially as described.

16,613. SAFETY HOOK. JOSEPH F. MOODY and VIRGIL L. DU BOIS, Tulsa, Okla., assignors, by direct and mesne assignments, to Albert H. Neilson, Tulsa, Okla. Filed Nov. 6, 1926. Serial No. 146,834. Original No. 1,541,991, dated June 16, 1925, Serial No. 722,071, filed June 24, 1924. 12 Claims. (Cl. 24—241.)



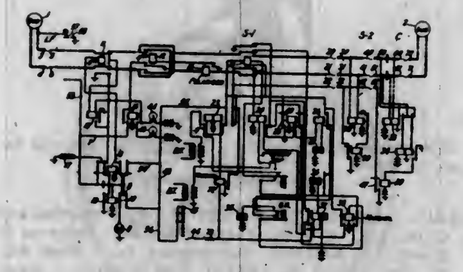
12. A safety hook comprising a body having its major portion hollowed and provided with a pair of bills, the end portions of which are provided with ears, a latch pivoted between said bills and having a branch arranged between the bills, a trigger pivoted at its upper portion within said hollowed body and having its lower portion provided with a shoulder adapted to engage said branch to hold the latch in a set position, and a coil spring connected to said latch below the pivot point of the same and to the lower portion of said trigger to urge the trigger into engagement with said branch and to urge the latch outwardly upon being released, said latch provided with oppositely arranged shoulders riding over and engaging said ears, said trigger being housed within and protected by said body.

16,614. STORAGE BATTERY. THOMAS A. EDISON, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a Corporation of New Jersey. Filed Feb. 3, 1926. Serial No. 85,806. Original No. 1,526,326, dated Feb. 17, 1925, Serial No. 698,633, filed Mar. 12, 1924. 14 Claims. (Cl. 136—159.)



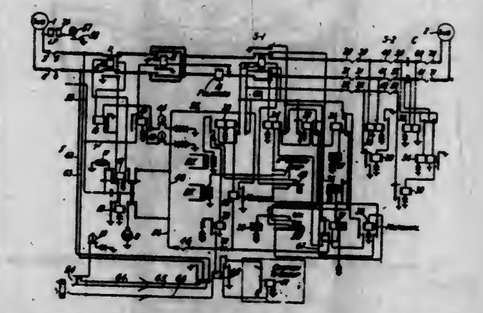
1. In a storage battery cell, a conductive member, an insulating member and active material held under pressure between said members and having only spaced sections of that surface thereof adjacent the conductive member, in close, intimate contact with such conductive member thereby providing passageways to facilitate the circulation of the electrolyte through the active material, substantially as described.

16,615. AUTOMATIC TELEPHONE SYSTEM. HENRY HOVLAND, Flushing, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 23, 1927. Serial No. 177,777. Original No. 1,614,959, dated Jan. 18, 1927, Serial No. 758,592, filed Dec. 29, 1924. 15 Claims. (Cl. 179—6.3.)



1. In a telephone system, calling lines, each operable to establish various circuit conditions thereon, called lines, classified as charge lines, other called lines classified as free lines, switching mechanism including a selector switch controllable by a calling line to build up a connection to any desired called line, means for preventing said selector switch from functioning in accordance with its normal mode of operation to build up a connection, and means in said selector switch responsive to a particular circuit condition established at the calling station for nullifying the effect of said first means to permit said selector switch to function in accordance with its normal mode of operation to build up a connection to a charge line.

16,616. AUTOMATIC COIN-SERVICE TELEPHONE SYSTEM. HENRY HOVLAND, Flushing, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 23, 1927. Serial No. 177,778. Original No. 1,605,952, dated Nov. 9, 1926, Serial No. 27,169, filed May 1, 1925. 7 Claims. (Cl. 179—6.3.)

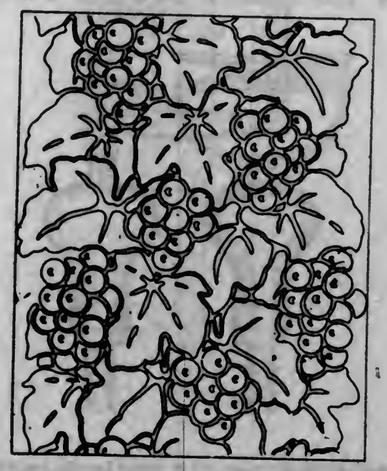


1. In a telephone system, calling lines having switch-controlling devices, means associated with each calling line operable to establish various circuit conditions thereon, called lines classified as charge lines, switching mechanism controllable by a calling line controlling device to build up a connection to any desired called line, an operator's position, means under the control of said first means for preventing said switching mechanism from functioning in accordance with its normal mode of operation to build up a connection, and means for completing a connection from one of said calling lines to said operator's position should the switching mechanism be prevented from functioning in accordance with its normal mode of operation.

DESIGNS

MAY 3, 1927.

72,539. PRINTED FABRIC. WILLIAM H. ADAMS, Kenyon, R. I., assignor to Eastern Finishing Works, Inc., Kenyon, R. I., a Corporation of Rhode Island. Filed Feb. 3, 1927. Serial No. 20,594. Term of patent 7 years.



The ornamental design for a printed fabric, as shown.

72,540. ASH TRAY OR ARTICLE OF SIMILAR NATURE. VITAL ALLALOUF, New York, N. Y. Filed Mar. 8, 1927. Serial No. 21,063. Term of patent 7 years



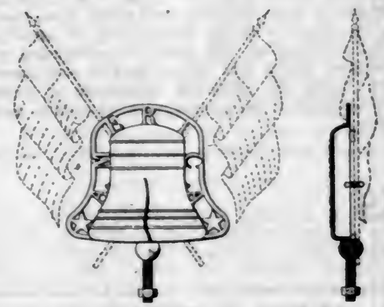
The ornamental design for an ash tray or article of similar nature, as shown.

72,541. POT OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y. Filed Dec. 24, 1926. Serial No. 20,137. Term of patent 14 years.



The ornamental design for a pot or similar article as shown.

72,542. FLAG HOLDER FOR AUTOMOBILE RADIATORS. ROBERT G. ARCHER, Sr., and ROBERT G. ARCHER, Jr., Fort Washington, Pa. Filed Nov. 17, 1925. Serial No. 15,442. Term of patent 3½ years.



The ornamental design for a flag holder for automobile radiators substantially as shown.

72,543. COMBINATION BATHROOM FIXTURE. JOHN H. BALMER, Maplewood, N. J. Filed Jan. 19, 1927. Serial No. 20,427. Term of patent 14 years.



The ornamental design for a combination bathroom fixture as shown.

72,544. COMBINATION BATHROOM FIXTURE. JOHN H. BALMER, Maplewood, N. J. Filed Jan. 19, 1927. Serial No. 20,428. Term of patent 14 years.



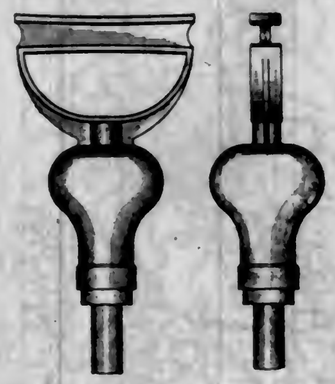
The ornamental design for a combination bathroom fixture as shown.

72,545. AUTOMOBILE RADIATOR. PAUL BASTIEN and CHARLES S. CRAWFORD, Indianapolis, Ind., assignors to Frederic E. Moskovics, Indianapolis, Ind. Filed Feb. 13, 1926. Serial No. 16,519. Term of patent 7 years.



The ornamental design for an automobile radiator, as shown.

72,546. PUMP HANDLE FOR FIRE EXTINGUISHERS OR SIMILAR ARTICLES. COLIN BROWN, Rochester, N. Y., assignor to The E. C. Brown Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 26, 1926. Serial No. 17,056. Term of patent 14 years.



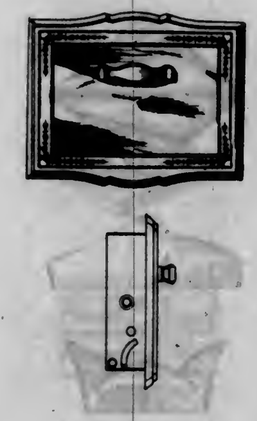
The ornamental design for a pump handle for fire extinguishers or similar articles as shown.

72,547. BUTTON. JAMES L. CLARK, Coxs Creek, Ky. Filed Sept. 29, 1926. Serial No. 19,199. Term of patent 7 years.



The ornamental design for a button, as shown.

72,548. WALL POCKET OR SIMILAR ARTICLE. RUDOLPH DE BOER, Grand Rapids, Mich. Filed Feb. 10, 1927. Serial No. 20,674. Term of patent 7 years.



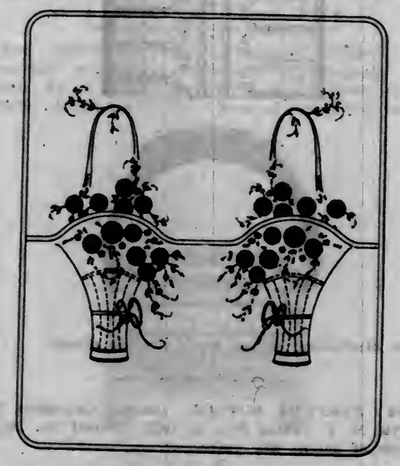
The ornamental design for a wall pocket or similar article substantially as shown.

72,549. TABLE SCARF. JOSEPH DERK, Philadelphia, Pa., assignor to The Derk Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 3, 1927. Serial No. 20,948. Term of patent 3½ years.



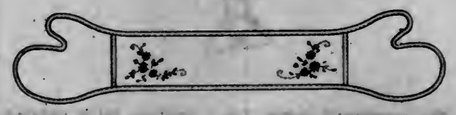
The ornamental design for a table scarf as shown and described.

72,550. FOOTWEAR CASE. KATHERINE L. DRUMMOND, Chicago, Ill., assignor to T. Buettner & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1926. Serial No. 17,084. Term of patent 3½ years.



The ornamental design for a footwear case as shown.

72,551. UTENSIL MITT. KATHERINE L. DRUMMOND, Chicago, Ill., assignor to T. Buettner & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1926. Serial No. 17,206. Term of patent 3½ years.



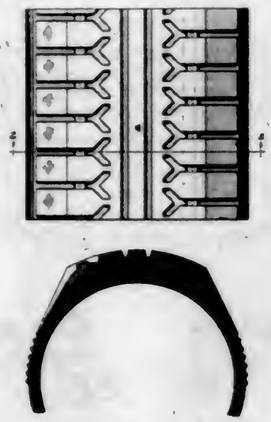
The ornamental design for a utensil mitt as shown.

72,552. PAPER SALT SHAKER. DAVID O. FORD, Lynchburg, Va. Filed Mar. 7, 1927. Serial No. 20,998. Term of patent 14 years.



The ornamental design for a paper salt shaker, as shown.

72,553. TIRE. WADE S. GALVIN, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 13, 1925. Serial No. 15,409. Term of patent 14 years.



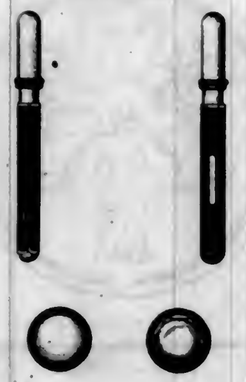
The ornamental design for a tire, as shown.

72,554. PERFUME BOTTLE. GEORGE GRUNBERG, New York, N. Y. Filed Feb. 2, 1927. Serial No. 20,586 Term of patent 3½ years.



The ornamental design for a perfume bottle substantially as shown.

72,555. THERMOMETER CASE. ISAAC Q. GURNER, Butler, and ALBERT A. SMITH, Riverdale, N. J., assignors to Superior Hard Rubber Company, Butler, N. J., a Corporation of New Jersey. Filed Feb. 15, 1927. Serial No. 20,777. Term of patent 14 years.



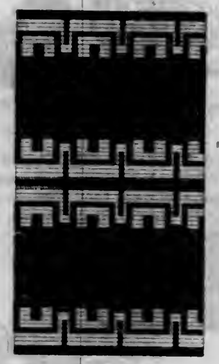
The ornamental design for a thermometer case, as shown.

72,556. RADIATOR CAP. ALBERT OWEN HOLTOM, Rochester, N. Y., assignor to Herman Edward Zimmerman, New York, N. Y. Filed Jan. 10, 1927. Serial No. 20,325. Term of patent 7 years.



The ornamental design for a radiator cap, as shown.

72,557. TEXTILE FABRIC. KARL JÄGER, Werden-Ruhr, Germany. Filed Dec. 23, 1926, Serial No. 20,126, and in Germany Aug. 28, 1926. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

72,558. PEN DESK STAND OR SIMILAR ARTICLE. SAMUEL KANNER, New York, N. Y. Filed Feb. 5, 1927. Serial No. 20,632. Term of patent 7 years.



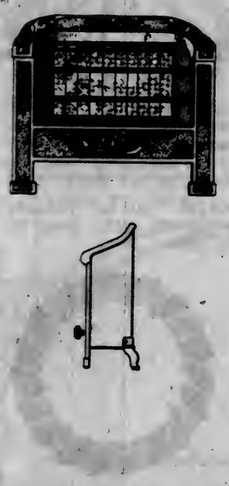
The ornamental design for a pen desk stand or similar article, as shown.

72,559. LOUD SPEAKER. JOHN W. MACDOW, Newark, N. J. Filed Feb. 15, 1927. Serial No. 20,775. Term of patent 14 years.



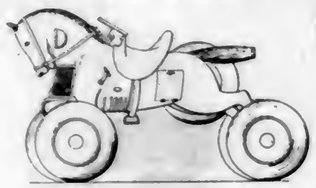
The ornamental design for a loud speaker, as shown.

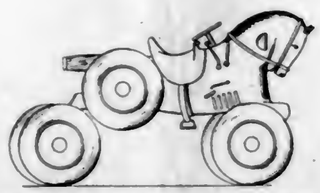
72,560. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,751. Term of patent 3½ years.



The ornamental design for a heater, as shown.

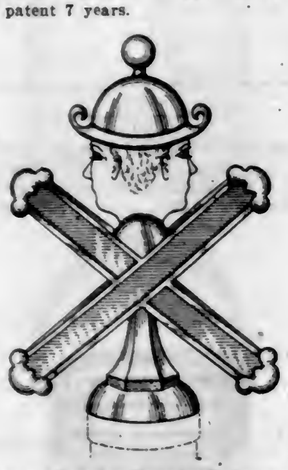
72,561. AUTOMOBILE BODY. DORA S. MILLER, Los Angeles, Calif. Filed Nov. 1, 1926. Serial No. 19,555. Term of patent 14 years.





The ornamental design for an automobile body, as shown.

72,562. RADIATOR CAP. JUDIE PARDEE MITCHELL, Denver, Colo. Filed Feb. 1, 1927. Serial No. 20,570. Term of patent 7 years.



The ornamental design for a radiator cap, as shown.

72,563. WREATH. MALVA NADOLLECK, New York, N. Y. Filed Aug. 21, 1925. Serial No. 14,546. Term of patent 3½ years.



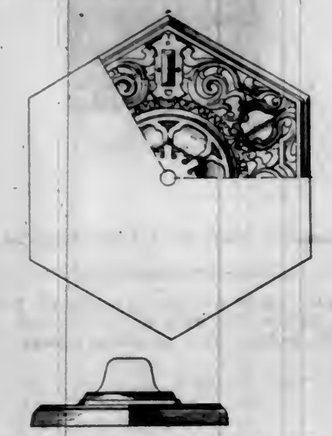
The ornamental design for a wreath, as shown.

72,564. BOTTLE. CHARLES J. OPPENHEIM, Jr., New York, N. Y. Filed Feb. 25, 1927. Serial No. 20,903. Term of patent 7 years.



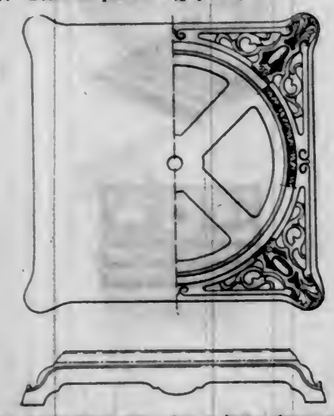
The ornamental design for a bottle as shown.

72,565. LAMP BASE OR SIMILAR ARTICLE. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,856. Term of patent 3½ years.



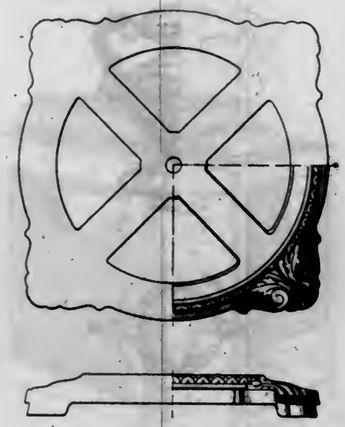
The ornamental design for a lamp base, or similar article, as shown.

72,566. LAMP BASE OR SIMILAR ARTICLE. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,857. Term of patent 3½ years.



The ornamental design for a lamp base, or similar article, as shown.

72,567. LAMP BASE OR SIMILAR ARTICLE. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,858. Term of patent 3½ years.



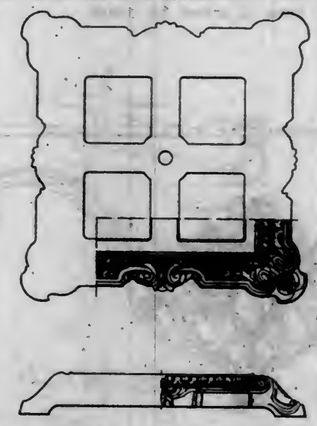
The ornamental design for a lamp base, or similar article, as shown.

72,568. LAMP BASE OR SIMILAR ARTICLE. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,859. Term of patent 3½ years.



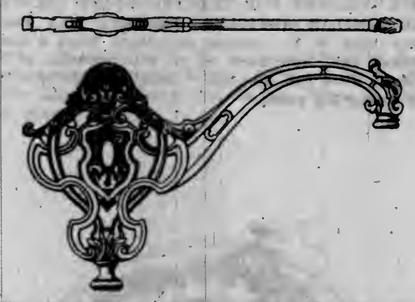
The ornamental design for a lamp base or similar article, as shown.

72,569. LAMP BASE OR SIMILAR ARTICLE. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,860. Term of patent 3½ years.



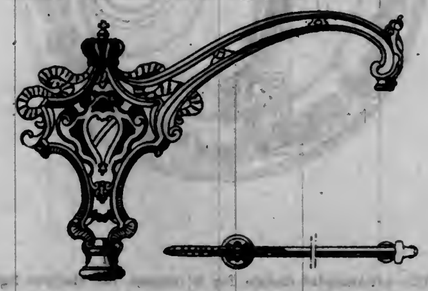
The ornamental design for a lamp base or similar article, as shown.

72,570. BRIDGE ARM FOR ELECTRIC-LIGHT FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,861. Term of patent 3½ years.



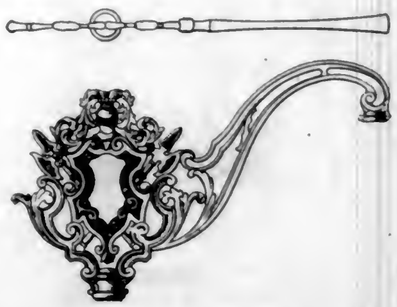
The ornamental design for a bridge arm for electric light fixtures or similar articles, as shown.

72,571. BRIDGE ARM FOR ELECTRIC-LIGHT FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,862. Term of patent 3½ years.



The ornamental design for a bridge arm for electric light fixtures or similar articles, as shown.

72,572. BRIDGE ARM FOR ELECTRIC-LIGHT FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,863. Term of patent 3½ years.



The ornamental design for a bridge arm for electric light fixtures or similar articles, as shown.

72,573. COLUMN FOR ELECTRIC-LIGHT FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,864. Term of patent 3½ years.



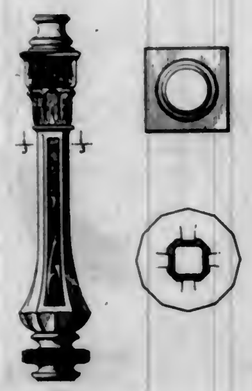
The ornamental design for a column for electric light fixtures or similar articles, as shown and described.

72,574. COLUMN FOR ELECTRIC-LIGHT FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,865. Term of patent 3½ years.



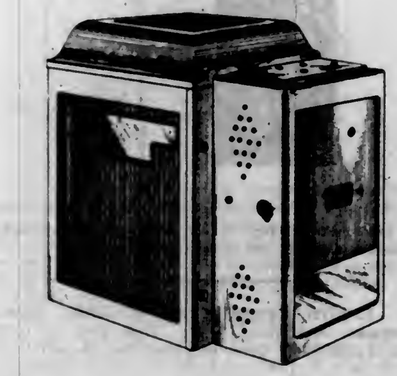
The ornamental design for a column for electric light fixtures or similar articles, as shown and described.

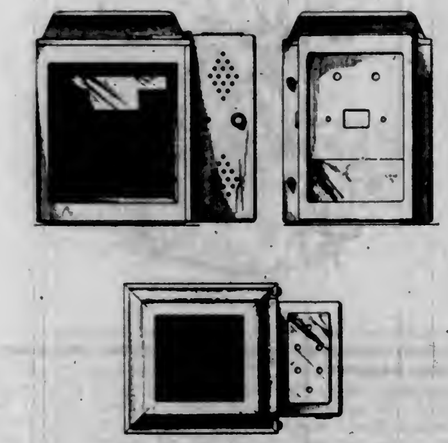
72,575. COLUMN FOR ELECTRIC-LIGHT FIXTURES OR SIMILAR ARTICLES. FREDERICK MAX PORITZ, New York, N. Y., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1927. Serial No. 20,866. Term of patent 3½ years.



The ornamental design for a column for electric light fixtures or similar articles, as shown.

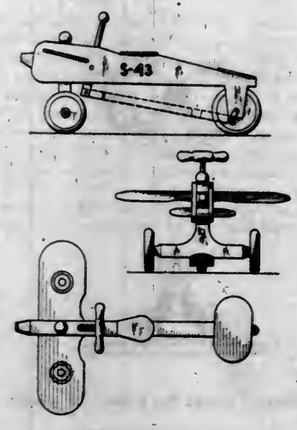
72,576. CASING FOR COMBINED BATTERY AND BATTERY CHARGER FOR RADIO APPARATUS. JOHN L. RUPP, Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1926. Serial No. 19,541. Term of patent 14 years.





The ornamental design for a casing for combined battery and battery charger for radio apparatus, as shown.

72,577. TOY VEHICLE. DORMAN SCHAEFFER, Helena, Mont. Filed July 2, 1926. Serial No. 18,225. Term of patent 14 years.



The ornamental design for a toy vehicle as shown

72,578. PLATE. EMIL L. SCHNEPF, Trenton, N. J., assignor to Scammell China Co., Trenton, N. J. Filed Dec. 22, 1926. Serial No. 20,112. Term of patent 14 years.



The ornamental design for a plate, as shown.

72,579. BASE FOR A LAMP. PHILIP SHEINER, Brooklyn, N. Y., assignor to Metropolitan Lamp Co. Inc., New York, N. Y., a Corporation of New York. Filed May 12, 1926. Serial No. 17,663. Term of patent 7 years.



The ornamental design for a base for a lamp as shown.

72,580. PLAYING CARD. FRANCIS G. SMYTH, Jr., Red Bank, N. J. Filed Mar. 4, 1926. Serial No. 16,773. Term of patent 3½ years.



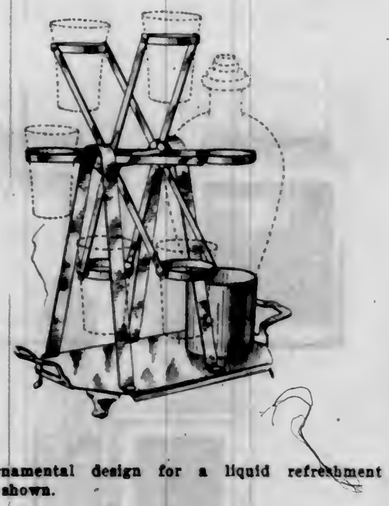
The ornamental design for a playing card, as shown.

72,581. COVER CASING FOR MATCH PACKAGES. CECELIA H. STEWART, Pittsburgh, Pa. Filed July 31, 1925. Serial No. 14,285. Term of patent 3½ years



The ornamental design for a cover casing for match packages substantially as shown and described.

72,582. LIQUID-REFRESHMENT HOLDER. HYMAN WANERMAN, New York, N. Y. Filed Feb. 16, 1927. Serial No. 20,785. Term of patent 3½ years.

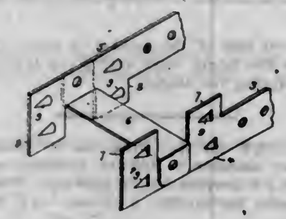


The ornamental design for a liquid refreshment holder, as shown.

PATENTS

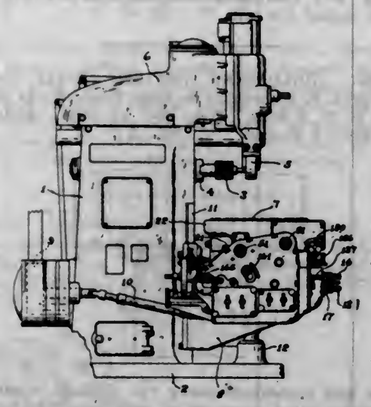
GRANTED MAY 3, 1927.

1,626,589. HOLLOW-TILE-PARTITION TIE PIECE. WALTER L. ALBER, Chicago, Ill. Filed Aug. 28, 1926. Serial No. 132,077. 2 Claims. (Cl. 72—101.)



1. A tie piece of the type described, comprising in combination a pair of side webs having upstanding end portions, a connecting web arranged at the mid-height and mid-length of said side webs, and an extension at one end of a side plate for attachment to a door post, the side webs having inwardly projecting anchor prongs near their respective ends.

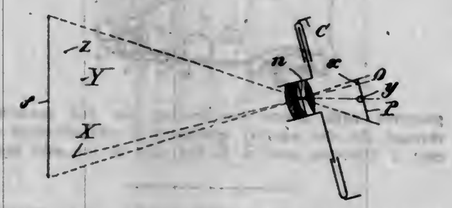
1,626,590. MILLING MACHINE. FREDERICK C. ALLEN, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 7, 1922. Serial No. 580,196. 14 Claims. (Cl. 90—20.)



1. A combined linear and rotary milling machine comprising the combination of a cutter spindle, a work table adapted to be reciprocated bodily past the spindle in a linear path or to be continuously rotated past the spindle at cutting speed, a screw for reciprocating the table, mechanism for rotating the table, a power shaft beneath the table, clutches for individually operating either the said screw or mechanism from the shaft, and separate means including a controlling element common to the screw and mechanism for automatically controlling both said table movements.

1,626,591. PHOTOGRAPH AND METHOD OF MAKING THE SAME. ADELBERT AMES, Jr., Tewksbury, Mass. Filed Mar. 14, 1921. Serial No. 452,274. 5 Claims. (Cl. 88—16.)

1. The art of photography comprising forming an image of a certain object-field having angular dimensions and position in space by means capable of forming an image having good definition throughout an angular magnitude less than one of said dimensions, directing the optical axis of the image forming means to the center of interest in the object-field, placing a light-sensitive surface perpendicular to said axis, with the margins of a picture space thereon subtending the angular dimensions of the image of the object-field, and thereafter maintaining these relations during successive exposures while shifting the said axis to new positions of the center of interest, the sensitive surface subtending substantially the same angle but being kept perpendicular to the said axis.



4. A series of successive photographs of the images of a lens having better definition in the region of its optical axis, successive photographs of said series representing the same angular dimensions of the object field having the axial region of the image in different parts of the respective photographs.

1,626,592. CYLINDER FOR PRINTING PRESSES. NIELS C. ANDERSEN, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 29, 1926. Serial No. 84,740. 9 Claims. (Cl. 270—50.)

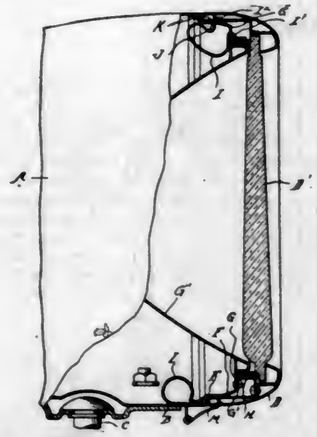


1. A collecting cylinder having a portion of its periphery depressed, the depressed portion being arranged to receive the rear end of the web, and adjustable means mounted on said cylinder for filling out a portion of said depression to accommodate the cylinder to various thicknesses of web.

1,626,593. LAMP CATCH. FRANK L. BAMFORD, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 30, 1925. Serial No. 59,659. 5 Claims. (Cl. 240—41.)

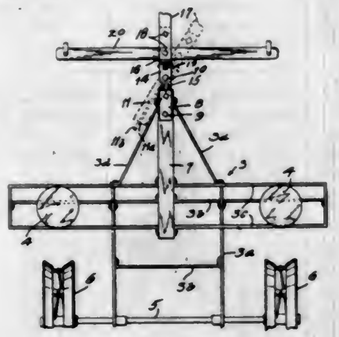
1. In a lamp, the combination with a casing having a slot and a lens ring engageable with the casing, of means for yieldably retaining said lens ring in position on the casing, said means including a loop spring having

one end detachably anchored to the casing and its other end extending through the slot in the casing for engagement with the said lens ring, said loop spring being



provided with means for bracing the end extending through the slot against movement in any direction except a direction parallel to the axis of the said lamp.

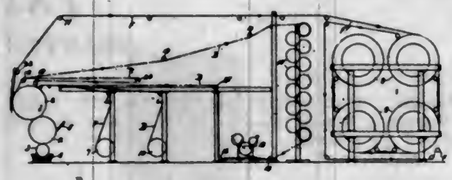
1,626,594. CORN PLANTER WITH ONE WHEEL SUPPORT. JAKE M. BROZ, New Effington, S. Dak. Filed July 24, 1926. Serial No. 124,715. 2 Claims. (Cl. 280—82.)



1. The combination with a corn planter having a rigid frame supported on two axially alined wheels and having a member projecting forwardly and centrally therefrom, a rod journaled in said member about a vertical axis and extending downwardly therefrom, said rod being bent horizontally at its lower end to form an axle, a flanged wheel journaled on said axle adapted to support said frame, a coupling member secured to said rod above said first mentioned member and a tongue member pivotally connected to said coupling member to swing about a horizontal axis and means for adjusting the height of said coupling member on said rod.

1,626,595. BLANKET-PRINTING PROCESS AND MACHINE. WILLIAM E. CAFFREY, Nashua, N. H., assignor to Nashua Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire. Filed July 25, 1925. Serial No. 46,035. 9 Claims. (Cl. 101—152.)

1. That improvement in the process of manufacturing blankets which consists in printing a design on one side of a blanket fabric, pressing the printing ink into the fabric mechanically, subsequently applying air pressure



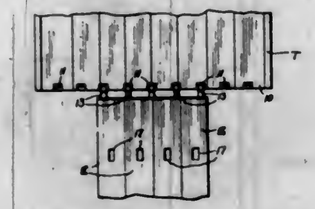
to the printed side of the blanket to force the printing ink through the fabric, later drying the fabric, and subsequently napping the fabric.

1,626,596. NUT LOCK. STERLING H. CAMPBELL, St. Louis, Mo., assignor to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 1. 1926. Serial No. 91,298. 2 Claims. (Cl. 151—31.)



1. In a device of the class described, the combination with a threaded bolt, of a cooperating nut, said bolt having a slot formed in its end, said slot having a lateral opening with converging sides for the insertion of a tool to expand the bolt.

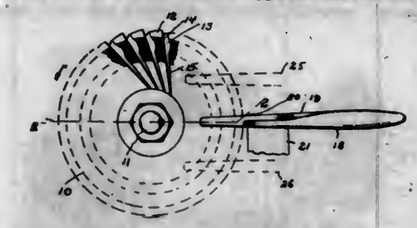
1,626,597. UNLOADING DEVICE. RUBAN CANTOR, Brooklyn, N. Y., assignor to Royal Glass Works, Brooklyn, N. Y., a Firm. Filed Nov. 15, 1926. Serial No. 148,428. 2 Claims. (Cl. 193—5.)



2. A skid element including two adjacent boards, the said boards being connected to each other by an intermediate metal connecting member, the said connecting member and the said boards having common openings, the said boards having three hook members connected to the ends thereof, the two outside hook members being respectively connected to each of said boards, and the intermediate hook member having its shank connected to both of said boards.

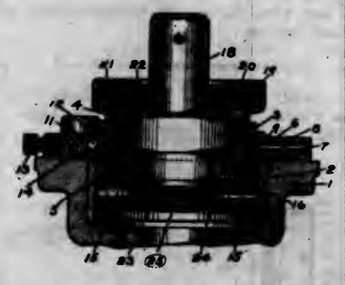
1,626,598. CUTTER, MILL, OR THE LIKE. FREDERICK O. CARLSON, Hopewell, Va., assignor to Mayhew Steel Products Company, Incorporated, Shelburne Falls, Mass., a Corporation of Delaware. Filed Dec. 3, 1925. Serial No. 73,028. 2 Claims. (Cl. 29—103.)

1. A circular cutter having a plurality of series of cutting teeth on each side face thereof, which teeth are concentric and spaced by grooves extending from the center of the cutter toward the periphery thereof, the grooves on one side face of the cutter being staggered relative to the grooves on the opposite side face of the



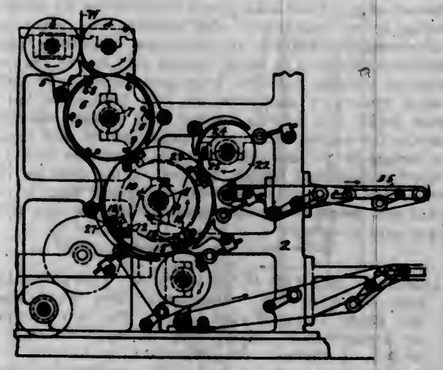
cutter whereby to cause alternative cutting and consequent relief in pressure upon the cutter as well as upon the work.

1,626,599. TEST GAUGE. JOHN W. CARTHEW, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 18, 1925. Serial No. 50,001. 3 Claims. (Cl. 33—178.)



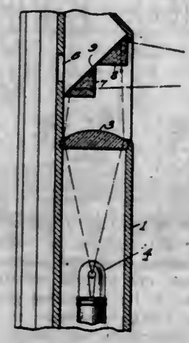
1. A cylinder gauge comprising a sleeve having a screw thread, radially movable pins mounted in said sleeve, a plug having screw-threaded engagement in said sleeve and having a tapered portion engaging said pins, and a collar within which said sleeve is mounted and having means for engaging the screw-thread on said sleeve to permit axial adjustment of said sleeve.

1,626,600. FOLDING DELIVERY. HERMAN P. CLAUSEN, Hasbrouck Heights, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 25, 1925. Serial No. 45,969. 12 Claims. (Cl. 271—80.)



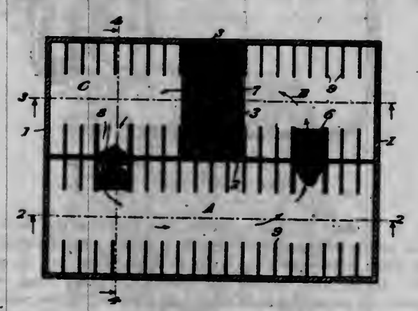
1. In a delivery, the combination of a rotary carrier provided with nipping jaws, a cooperating carrier to which the product is delivered provided with sheet taking grippers, means for freeing the product from the nipping jaws and causing it to lie in a line substantially that of the surface of the nipping jaw carrier when released by the jaws, and means for limiting the movement of the freeing means.

1,626,601. OPTICAL DIAGNOSTIC INSTRUMENT. HANS CLEMENT, New York, N. Y., assignor to General Optical Co., Inc., a Corporation of New York. Filed July 15, 1925. Serial No. 43,727. 9 Claims. (Cl. 88—20.)



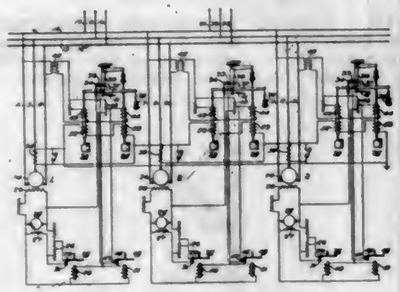
1. In an optical diagnostic instrument, in combination with a light source and a lens, a reflector for the light comprising two reflecting prisms with the hypotenli oblique to the axis of the lens and cooperative to form a plane reflecting surface, the prism nearer the lens having a slot for a sight opening in the solid angle farthest from the lens.

1,626,602. STORAGE BUILDING. FERNAND E. D'HUMY, Englewood, N. J., assignor to Ramp Buildings Corporation, New York, N. Y., a Corporation of Delaware. Filed July 8, 1925. Serial No. 42,207. 5 Claims. (Cl 20—1.18.)



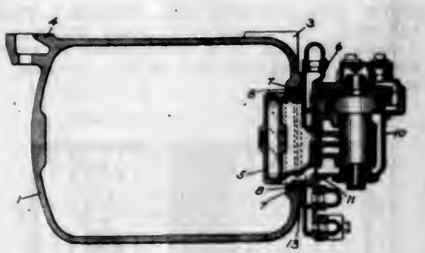
1. A building structure comprising outer walls, a plurality of groups of superposed floors within said outer walls each group overlying a part of the ground area within the outer walls, the floors of a plurality of groups being arranged in horizontal planes lying between the horizontal planes of the floors of another group, vertical dividing walls separating the floors of one group from the floors of the adjoining group, and inclined ramps or driveways connecting the floors of each group to the floors of the next higher group, said ramps extending through the said dividing walls.

1,626,603. REGULATOR SYSTEM. WILLIAM W. EDSON, Newtonville, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 23, 1925. Serial No. 39,060. 10 Claims. (Cl. 171—119.)



1. In a regulator system, a plurality of generators connected in parallel relation, a voltage regulator for each generator having a control electromagnet provided with two windings, one of said windings being responsive to the voltage of its associated generator, the other of said windings being responsive to the current flow from all of said generators, and means for compensating said regulator in accordance with the reactive component of line current from all of said generators.

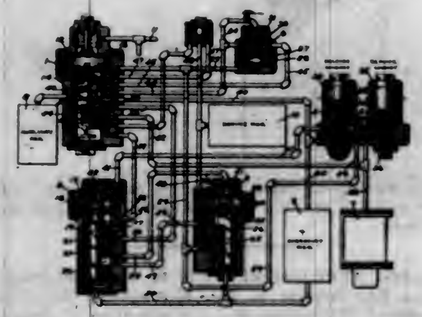
1,626,604. RESERVOIR DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 1, 1925. Serial No. 40,801. 2 Claims. (Cl. 303—90.)



1. In a fluid pressure brake, the combination with a brake controlling valve device, of a filling piece secured to said valve device and having a passage connected to said valve device and having an annular seating ring, and a reservoir engaging said ring and adapted to be rotated to different positions thereon and having communication with said passage.

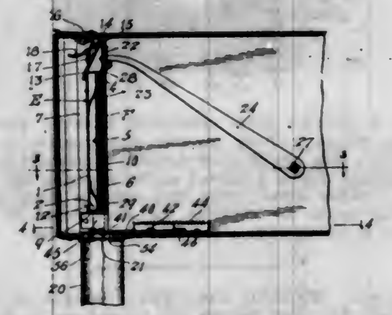
1,626,605. ELECTROPNEUMATIC BRAKE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 5, 1926. Serial No. 113,914. 5 Claims. (Cl. 303—15.)

1. In an electro-pneumatic brake, the combination with reservoirs one, two, and three, normally charged with fluid under pressure and a brake cylinder, of electrically controlled means operating in applying the brakes to connect reservoir one to the brake cylinder and to connect reservoir two to reservoir one and in releasing the brakes to connect reservoir three to reservoir one and upon



substantial equalization of reservoir three into reservoirs one and two, to cut off communication between reservoirs one and two.

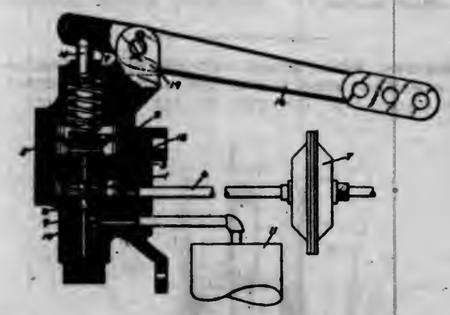
1,626,606. CARD CAMERA. WILLIAM LAFAYETTE FISH, Pompton Plains, N. J. Filed Sept. 19, 1925. Serial No. 57,352. 10 Claims. (Cl. 95—13.)



1. In a camera, the combination with a casing having a lens, of a frame within said casing comprising a pair of spaced and parallel side pieces each having an inturned flange at its longitudinal edge adjacent said lens and a transverse bar, a holder for releasably supporting a light sensitive card, film or plate opposite said lens so that said card is movable edgewise from said holder, said holder being removably supported on said transverse bar of said frame and bearing against said flanges, releasable means for holding said card holder against said flanges, a receptacle for developing liquid to receive said card directly from said holder, and an ejector operable from the exterior of said casing to engage one edge of said card film or plate and slide it edgewise from said holder into said receptacle.

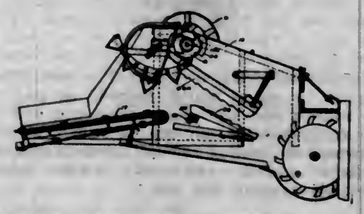
1,626,607. BRAKE-VALVE DEVICE. LESTER A. FOWLER, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 6, 1925. Serial No. 48,441. 2 Claims. (Cl. 303—54.)

1. In a fluid pressure brake, the combination with a brake chamber, of a brake valve device comprising a casing, a piston in said casing having the chamber at one side connected to the brake chamber and the chamber at the opposite side connected to the atmosphere and having an exhaust passage, a supply valve for controlling the supply of fluid under pressure to said brake



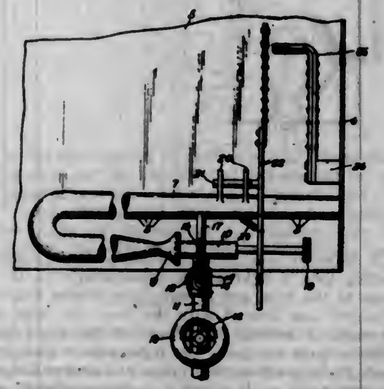
chamber, and a ball-shaped exhaust valve associated with said supply valve and controlling communication through said exhaust passage.

1,626,608. GRAIN-FEEDING DEVICE. ARTHUR J. HARTLEY, Peoria, Ill. Filed Oct. 3, 1925. Serial No. 60,146. 5 Claims. (Cl. 130—1.)



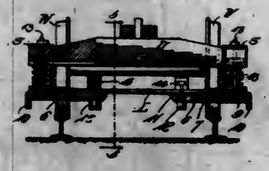
1. A grain feeding device, comprising a conveyor, band-cutting and feeding mechanism, a governor controlling the operation of said devices, and clutch mechanism for said band cutting and feeding mechanism controlled by the governor, said clutch mechanism acting to increase the clutching action therein in direct proportion to the increased load upon the feeding devices.

1,626,609. COMPENSATING GAS CUT-OFF. LOUIS HILL, Akron, Ohio. Filed Feb. 14, 1925. Serial No. 9,186. 7 Claims. (Cl. 67—116.)



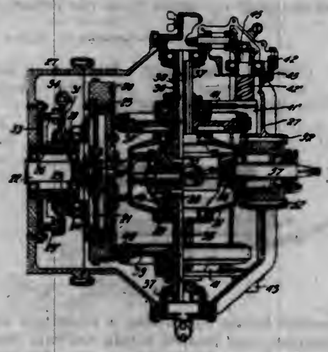
1. In a gas stove the combination of a gas burner, a gas pipe leading to said burner, a valve connected with said pipe for controlling the flow of gas through said pipe to said burner, a pair of thermostatic bars controllable by heat of the stove, one of said bars being more quickly responsive than the other to changes of temperature, said thermostatic bars being so positioned that they move into engagement with each other when subjected to uniformly high temperature, and move out of engagement with each other when the temperature of both bars is reduced, and mechanism connected with said valve and with one of said bars, and controllable by one of said bars after its disengagement from the other bar, for the purpose of closing said valve.

1,626,610. SAFETY SHOE FOR RAILWAY TRUCKS. FRANK HORNQUIST, Mount Jewett, Pa. Continuation of application Serial No. 36,697, filed June 12, 1925. This application filed May 13, 1926. Serial No. 108,920. 4 Claims. (Cl. 105—216.)



1. In combination with a railway truck having a transverse bolster between two sets of wheels; a shoe rigidly mounted at the lower side of the truck at an end of said bolster, said shoe being elongated transversely of the truck, projecting both inwardly and outwardly from the plane of the wheels and having beveled front and rear surfaces, an auxiliary shoe projecting downwardly from the outer end of the first named shoe and disposed at the outer side of said wheel plane, and an additional auxiliary shoe projecting downwardly from the inner end of the first named shoe and disposed at the inner side of the wheel plane, the main and auxiliary shoes being normally supported above the lowermost plane of the truck wheels.

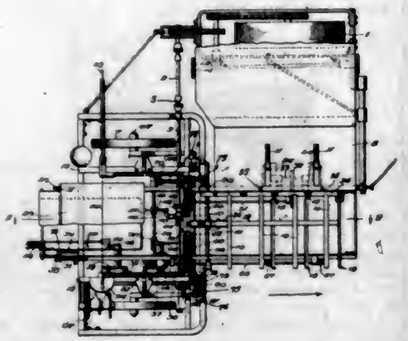
1,626,611. VARIABLE-TRANSMISSION GEARING. KEITH DUDLEY JAMES, Hobart, Tasmania, Australia. Filed Oct. 12, 1925, Serial No. 61,985, and in Australia Apr. 24, 1925. 8 Claims. (Cl. 74—34.)



1. A variable power transmission gear comprising a casing, a driving shaft having one end revolvably supported within the casing, a driving disc, a flexible coupling connecting the driving disc to the driving shaft, a self-aligning thrust bearing located between the casing and the driving discs, means for exerting an end thrust

on the self-aligning bearing, a pair of oppositely disposed bevel gear wheels having elongated bosses projecting from the outer faces thereof, bearings mounted in the casing and rotatably supporting the elongated bosses, a pair of friction discs slidably and non-rotatively mounted on the elongated bosses, said friction discs bearing on opposite sides of the centre of the driving disc, epicyclic gear wheels meshing with the opposed bevel gear wheels, and a driven shaft adapted to receive its motion from the rotation of the epicyclic gearing about the axis of the elongated bosses.

1,626,612. GRAIN SHOCKER. CARLTON C. KELLOGG, Moline, Ill. Filed May 8, 1919. Serial No. 295,730. 46 Claims. (Cl. 56—407.)



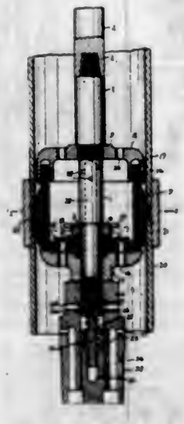
1. The combination with the binder deck of a harvester provided with mechanism for discharging bundles of grain therefrom; of a shocker having a deck for receiving the bundles from the binder deck; a pronged structure for engaging bundles upon said receiving deck and located out of the range of the movement of bundles passing to said receiving deck; mechanism for moving said pronged structure toward said receiving deck to engage said pronged structure with the bundles thereon and moving said pronged structure and receiving deck together to an inverted position thereof to discharge the bundles therefrom; a receptacle for receiving the bundles discharged from said receiving deck; mechanism for tying the bundles in said receptacle into a shock; and mechanism for discharging the shock from the receptacle.

1,626,613. COMPACT HOLDER. WILLIAM G. KENDALL, Newark, N. J. Filed July 20, 1926. Serial No. 123,614. 7 Claims. (Cl. 132—83.)



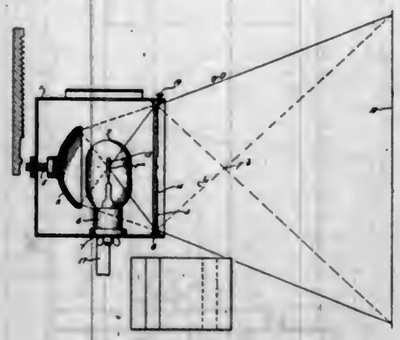
4. A compact holder comprising a receptacle having a cover, a compact tray located within the said receptacle, an ejector member located underneath said tray, said ejector member being adapted to move said tray upwardly upon actuation thereof, and a ring made of resilient metal and surrounding the said compact tray, a portion of said ring being cut out and shaped to provide a spring member closely adjacent to and adapted to contact with and actuate the ejector upon inner movement of said spring member, another portion of said ring being cut out and shaped to provide a spring member which is located at the top of the tray and adapted to releasably hold the cover of the receptacle in closed position.

1,626,614. WELL SWAB. EUGENE KIBELE, San Antonio, Tex. Filed Aug. 2, 1926. Serial No. 126,441. 7 Claims. (Cl. 103—225.)



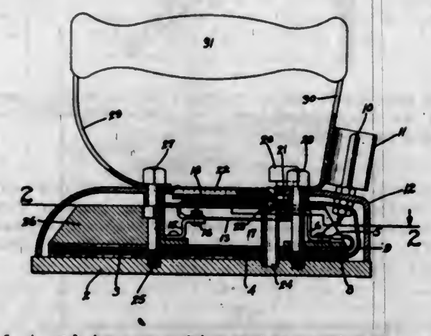
1. A swab comprising a mandrel, a saucer-shaped plate thereon, a cup of flexible material on said plate, the side walls of said cup being parallel with said mandrel, a guard plate above said cup, said guard plate having a downwardly opening annular groove including the upper edge of said cup, and means to allow liquid to pass upwardly through said cup.

1,626,615. ILLUMINATING MEANS. GUSTAVUS T. KIRBY, New York, and HARRY I. DAY, Forest Hills, N. Y., assignors, by mesne assignments, to Kirby Incorporated, a Corporation of New York. Filed Jan. 16, 1926. Serial No. 81,738. 4 Claims. (Cl. 240—41.)



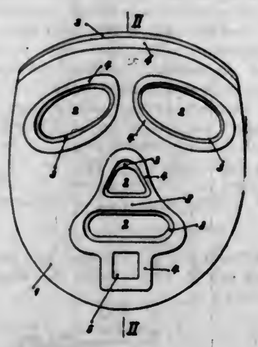
1. A projector comprising in combination a convergent projecting lens, a light source substantially on the optical axis of the lens, and a converging mirror behind the light source and coaxial with the lens, the light source being situated between the lens and its focus so that the direct radiation from the light source afer passing through the convergent lens forms a divergent beam, and the mirror being so focused as to throw a beam on the lens, which, after passing therethrough converges at a steeper angle than the divergent beam from the direct radiation and after passing through a converging point or plane, diverges at a steeper angle than the divergent beam and coincides therewith in a plane at a finite distance from the lens, producing therein a field of substantially uniform illumination.

1,626,616. SADIRON. WILLIAM H. LANAK, Minneapolis, Minn. Filed Jan. 20, 1926. Serial No. 82,523. 6 Claims. (Cl. 219—25.)



1. A sad iron comprising a base section having a heating element thereon, a cover for the iron, having mounted therein a thermometer and a tube extending through the heating element, the bulb of said thermometer removably engaging within said tube at the top.

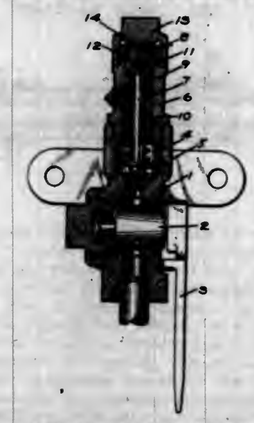
1,626,617. ELECTRODE TO BE APPLIED TO THE HUMAN BODY AND PROCESS OF MAKING THE SAME. ERWIN LAST, Vienna, Austria. Filed Dec. 18, 1925, Serial No. 76,165, and in Austria Nov. 14, 1925. 3 Claims. (Cl. 174—89.)



1. In an electrode to be applied to the human face the combination of an electrically non-conductive carrier consisting of a forehead strip a nose strip and a chin strip closely fitting the face and an electrically conductive lining on the side of such carrier next to the said part of the body and means for electrically connecting such lining with a source of electric current.

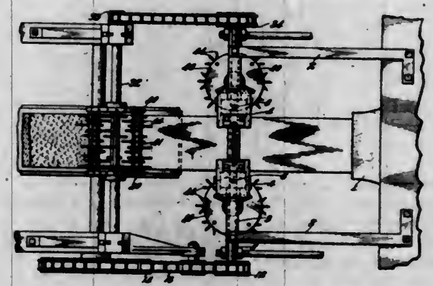
1,626,618. RETAINING-VALVE DEVICE. FREMONT P. LIVINGSTON, Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 17, 1926. Serial No. 123,087. 3 Claims. (Cl. 303—79.)

1. In a pressure retaining valve device, the combination with a valve body having a valve seat, of a barrel adapted to be secured to said body, a valve for engaging said seat, a stem carried by said valve and positioned in



said barrel, a spring mounted in said barrel and acting on said valve, and means for holding said stem in said barrel.

1,626,619. BRICK MACHINE. HERBERT R. MCCUNE, Decatur, Ill., assignor to Decatur Brick Mfg. Co., Decatur, Ill., a Corporation of Illinois. Filed Aug. 5, 1926. Serial No. 127,234. 11 Claims. (Cl. 25—1.)



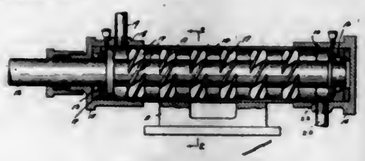
1. An ornamenting attachment for brick machines, including supporting means, a rotatable picker device, means to mount the pickers for rotary movement independent of movement of the device, and means to positively rotate the device.

1,626,620. AUTOMATIC RACE-TRACK TIMING DEVICE. CLAUDE E. MENTZER, Des Moines, Iowa, assignor of one-half to Arthur R. Corey, Des Moines, Iowa. Filed May 24, 1926. Serial No. 111,253. 6 Claims. (Cl. 161—18.)



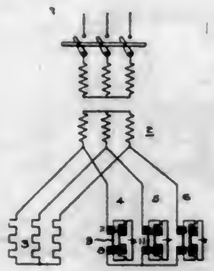
1. In a device of the class described, a housing, a stop watch mounted in said housing, a member slidably mounted in said housing and capable of striking the control pin of said watch, a spring capable of actuating said member, a catch member for preventing said spring from actuating said slidably mounted member, and a means for releasing said catch member.

1,626,621. COMPRESSOR FOR REFRIGERATORS OR THE LIKE. GEORGE MIDDENDORF, Newark, N. J. Filed Aug. 28, 1925. Serial No. 53,038. 1 Claim. (Cl. 230—11.)



A compressor for gaseous fluids or the like, consisting of a cylinder tightly closed at both ends and having an inlet and outlet near its ends, a rotary shaft extending centrally and longitudinally through said cylinder and a plurality of spaced members fixed on said shaft and snugly fitting in said cylinder, each member being formed with a set of comparatively long and narrow screw curved passages whereby during the rotation of said shaft the fluid will be drawn alternately through said passages and the spaces between said members and become gradually compressed without causing overheating.

1,626,622. INDUCTION MOTOR. HEINRICH MOELLER, Cologne Bayenthal, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 1, 1925, Serial No. 33,896, and in Germany June 7, 1924. 3 Claims. (Cl. 172—274.)



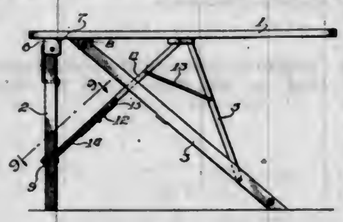
1. In an induction motor, the combination with a secondary winding, of a speed-responsive reactance device for close-circuiting said winding, said device comprising a plurality of windings connected to oppose each other and speed-responsive means for causing the flux induced by said windings to develop independently at starting and to oppose each other when running.

1,626,623. PROCESS OF REMOVING DETERRENT SALTS FROM PICKLING LIQUORS. GEORGE S. MORGAN, Toledo, Ohio. Filed June 30, 1926. Serial No. 119,747. 1 Claim. (Cl. 23—126.)

The process of removing deterrent salts from pickling solutions for iron which consists in precipitating the iron sulphate by adding sulphuric acid to the solution until the acid content amounts to about 35% to 50% of the solution, drawing off the liquor and dissolving the precipitate in hot exhausted pickling liquor, cooling the solution to form copperas.

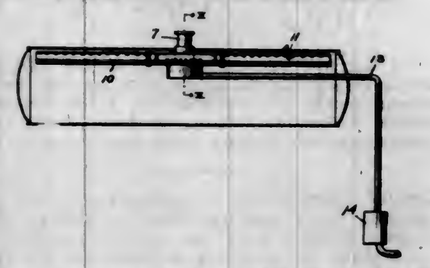
1,626,624. IRONING BOARD. ROBERT A. MORRISON, and FRANKLIN L. OSWALD, Portland, Oreg. Filed Aug. 16, 1926. Serial No. 129,450. 3 Claims. (Cl. 68—10.)

1. In a folding stand, a top, a pair of legs hinged to the top, a toggle linkage between the lower ends of the legs and pivotally connected thereto, a collapsible brace hinged to the top and operatively connected to said linkage, and a connection between said collapsible brace



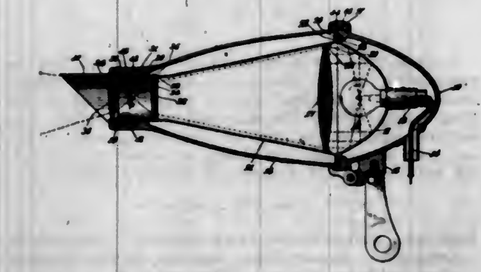
and each of said legs for stiffening the legs and for drawing the legs upwardly when the brace is collapsed and folded against the top.

1,626,625. STEAM-SEPARATING APPARATUS FOR STEAM GENERATORS. THOMAS A. PEEBLES, Pittsburgh, Pa., assignor to John M. Hopwood, Dormont, Pa. Filed May 8, 1926. Serial No. 107,640. 3 Claims. (Cl. 122—491.)



1. In combination with a steam generator, means located in the uppermost portion of the steam generator receiving steam from the uppermost portion of the steam space of the generator and delivering it in a substantially horizontal direction toward the steam delivery port of the generator, an annular chamber intervening between said means and the steam delivery port of the generator, a separating chamber between said annular chamber and said port, and an annular series of inclined substantially uniformly spaced vanes intervening between said annular chamber and said separating chamber for imparting a whirling velocity to the steam and for delivering it in the form of a whirling stream to said separating chamber.

1,626,626. HEADLIGHT. GEORGE RAWAK, New York, N. Y. Filed Feb. 2, 1926. Serial No. 85,437. 1 Claim. (Cl. 240—48.4.)



In a headlight, a lamp casing, a hood extending forwardly from said casing, the sides of said hood curving forwardly to a cylindrical outlet, said hood and said casing forming an enclosing shell, a light tube within said

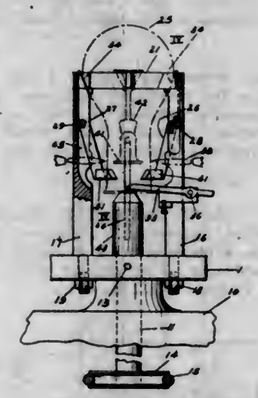
shell, said tube being conical throughout the greater portion of its length with the forward end thereof bent outward to cylindrical formation, said tube being supported at its ends by said shell, lenses within and adjacent each extremity of said tube but inset from the supported ends thereof, the portion of said tube between said lenses being spaced from said outer casing a substantial distance to permit heat expansion and distortion of said shell without affecting said tube.

1,626,627. HIGHWAY SAFETY DEVICE. THOMPS ROBINS RICHEY, Atlanta, Tex. Filed May 4, 1925. Serial No. 27,811. 12 Claims. (Cl. 238—3.)



1. The combination with a highway crossing, of a highway provided with a protruding element on each side of the crossing and extending transversely of the entire highway, at a sufficient distance from the crossing to cause an approaching vehicle-driver to slow down before the crossing is reached.

1,626,628. SEALING-IN HEAD FOR INCANDESCENT ELECTRIC LAMPS. WALTER S. ROTHERHAM, Little Falls, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 22, 1926. Serial No. 110,903. 10 Claims. (Cl. 176—3.)



1. A lamp-making machine comprising a plurality of contact members for engaging a lamp bulb, a seat for a bulb, and means for actuating said members to grip the bulb upon a movement thereof to said seat.

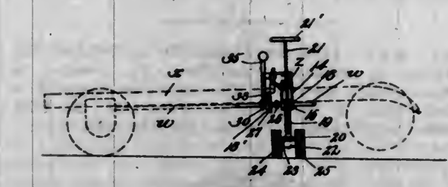
1,626,629. WINDSHIELD WIPER. GORDON B. SAYER, Syracuse, N. Y., assignor to Owen-Dyneto Corporation, Syracuse, N. Y., a Corporation of New York. Filed Nov. 9, 1925. Serial No. 67,800. 7 Claims. (Cl. 15—255.)

1. A windshield wiper comprising a driving shaft, a wiping element, a wiper rod connected with said element, a bracket fast on the shaft and to which said wiper rod is pivotally connected, and spring means secured to said



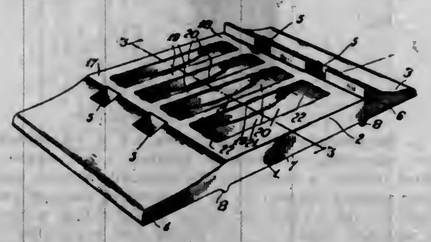
shaft and engaging said wiper rod to normally urge the wiping element against said windshield.

1,626,630. SHIFTING JACK FOR MOTOR VEHICLES. ABRAHAM SCHNITZLER, Chelsea, Mass. Filed Mar. 4, 1926. Serial No. 92,172. 7 Claims. (Cl. 180—1.)



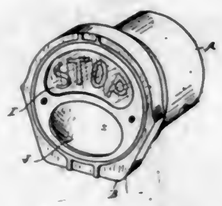
1. A lifting and shifting jack for motor vehicles, said jack having a ground-bearing wheel, means for lowering and raising said wheel, means for positively rotating said wheel, and means for turning the wheel to any point in a complete circular substantially horizontal plane to enable it to effect shifting of the vehicle in any direction.

1,626,631. TIE PLATE. RICHARD T. SCHOLES, Hinsdale, Ill. Filed May 6, 1926. Serial No. 107,059. 8 Claims. (Cl. 238—304.)



1. A tie-plate of cantilever construction, the plate having a substantially flat lower tie-engaging surface, and a pair of parallel longitudinally extending rail-supporting ribs on its upper portion, the plate decreasing progressively in thickness from each rib toward the side edges of the plate, and also from each rib toward the center of the plate, and a series of spaced transverse ribs bridging the thinner central portion, and forming additional rail base supporting means.

1,626,632. COMBINED TAIL LIGHT AND STOP SIGNAL. ERNEST O. SEITZ, Detroit, Mich., assignor to C. M. Hall Lamp Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1923. Serial No. 627,909. 4 Claims. (Cl. 177—329.)



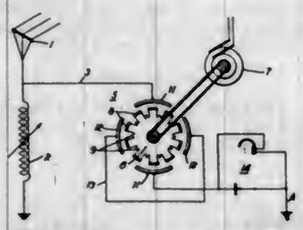
2. In a vehicle lamp, the combination with an outer casing, of an insulator block detachably secured adjacent to the rear wall of said casing, a plurality of lamp sockets for separate lamp bulbs mounted on said insulator block, a lining plate having a countersunk portion, a connector socket having a flange engaging said countersunk portion and projecting outward through an aperture in said casing, insulated spring contact members within said connector socket which project forwardly through apertures in said insulator block, means for connecting said lamp sockets with said spring contacts including a conductor strip leading into one of said lamp sockets and engaging an insulated contact member adapted to be on the bulb for said socket.

1,626,633. TEMPERATURE-INDICATING DEVICE. HARVEY P. SLEEPER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 23, 1920. Serial No. 376,046. 3 Claims. (Cl. 73—118.)



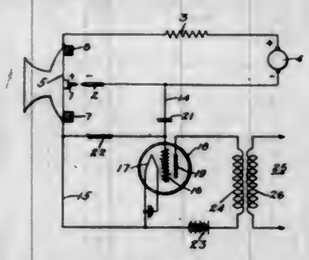
1. A temperature-indicating device for a translating device, comprising a bimetallic member, a rod member actuated thereby, a casing for the bimetallic member and the rod member adapted to be immersed in the medium surrounding the translating device, an indicating mechanism disposed outside of the casing and comprising a dial member, a pointer, gears connecting said pointer to the rod member, said pointer indicating the instantaneous temperature of the translating device, a maximum pointer actuated by the temperature-indicating pointer to indicate maximum temperatures attained, a recurrence pointer actuated upon the occurence of a predetermined temperature in the translating device, and means adjustably mounted upon the rod and comprising a pawl and ratchet device, for actuating the recurrence pointer at predetermined temperatures.

1,626,634. ELECTROSTATIC RADIOTUNER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 3, 1921. Serial No. 489,550. 18 Claims. (Cl. 250—40.)



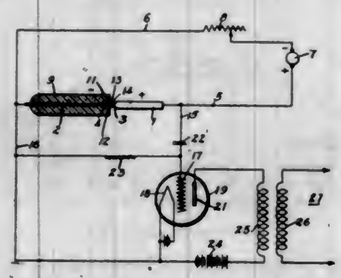
1. A tuner mechanism comprising means rotating synchronously with and offering slight resistance to currents of desired frequency and high impedance at other frequencies.

1,626,635. TRANSMITTER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 28, 1922. Serial No. 597,561. 4 Claims. (Cl. 179—121.)



3. In a sound translating system, a pair of spaced electrodes, means for creating a difference of potential across said electrodes sufficient of itself to render the space therebetween conducting, and sound controlled means for varying the distance between said electrodes

1,626,636. GLOW-DISCHARGE TRANSMITTER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 28, 1922. Serial No. 597,562. 12 Claims. (Cl. 179—121.)



11. The method of detecting movements in a fluid nonconducting medium which consists in maintaining an electric glow-discharge therein and detecting the changes in a characteristic of the discharge resulting from said fluid movements.

1,626,637. GETTER FOR CONTROLLING CRYSTAL GROWTH. WILLIAM CHARLES SPROESSER, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 6, 1922. Serial No. 605,284. 6 Claims. (Cl. 176—16.)

1. A getter for application to a thoriated tungsten filament for an incandescent electric lamp comprising thoria for increasing the lift and bump-test strength of said filament.

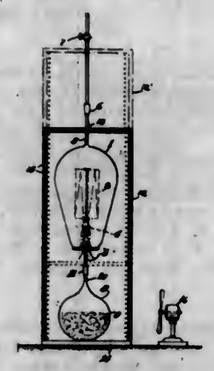
1,626,638. INTRODUCTION OF CLEAN-UP AGENTS INTO EVACUATED VESSELS. WILLIAM CHARLES SPROESSER, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 5, 1923. Serial No. 637,033. 16 Claims. (Cl. 176—2.)

1. The method of introducing a clean-up material into an evacuated vessel comprising forming a moisture-free substance containing the material in a reducible form, mixing a reducing agent with the substance, introducing the mixture into the vessel and initally heating the same to cause a liberation of the desired clean-up material.

1,626,639. APPLICATION OF GETTERS TO ELECTRIC INCANDESCENT LAMPS AND THE LIKE. WILLIAM CHARLES SPROESSER, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Aug. 21, 1923. Serial No. 658,538. 4 Claims. (Cl. 176—16.)

1. The method of gettering incandescent electric lamps and the like comprising vaporizing a candle-power maintenance material on the inner surface of the bulb thereof, prior to sealing a regular mount therein and subsequently sealing therein an illuminating body having its surface free from said candle power maintenance material.

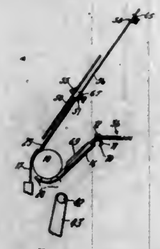
1,626,640. EVACUATION OF BULBS AND THE LIKE. WILLIAM CHARLES SPROESSER, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Sept. 7, 1923. Serial No. 661,382. 4 Claims. (Cl. 176—2.)



1. A material for the evacuation of a gas-tight enclosure, by displacement of the air therein comprising a vaporizable halide salt having no appreciable vapor pressure at room temperature and capable on condensation of leaving a first class vacuum in said enclosure.

1,626,641. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 23, 1924. Serial No. 745,281. 33 Claims. (Cl. 197—126.)

1. In a typewriting machine, the combination of a rotatable platen, a letter-feeding carriage therefor, and a support at the introductory side of the platen for supporting the rear end of a composite loop of multiple-ply work-web and carbons, the front end of the loop being



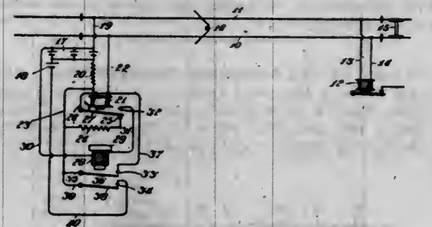
connected with the platen, said loop-support being stationary during the travel of the carriage and being movable rearwardly of the web to straighten out the loop.

1,626,642. SAFETY HOOK. HAROLD E. STOCKSTAD, Duluth, Minn. Filed Mar. 15, 1926. Serial No. 94,682. 1 Claim. (Cl. 24—242.)



In combination, a hook having an eye in one end thereof, a relatively thin sister hook pivotally mounted adjacent the eye upon either side of the hook, and integrally formed spacing means uniting the sister hooks for the purpose described.

1,626,643. DIRECT-CURRENT TRACK-CIRCUIT FOR RAILWAY SIGNALS. SAMUEL S. STOLP, Chicago, Ill., assignor to Charles B. Gillson, Chicago, Ill. Filed Feb. 24, 1920. Serial No. 360,613. 31 Claims. (Cl. 246—41.)



30. The method of operating a closed track circuit having a battery limiting resistance which consists in increasing the battery limiting resistance when the train shunt is applied and momentarily decreasing the battery limiting resistance upon removal of the train shunt.

1,626,644. APPARATUS FOR HANDLING BRICKS. GEORGE H. STOVER, New York, N. Y. Filed July 27, 1925. Serial No. 46,217. 7 Claims. (Cl. 214—40.)

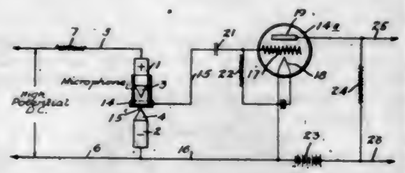
1. Apparatus for handling bricks comprising a platform to receive bricks in stacked relation, tracks for con-

ducting said platform from place to place, hoisting mechanism including a substantially L-shaped frame one arm of which may be inserted beneath said platform, and



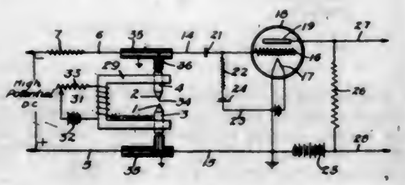
means connected to the other arm of said frame for elevating the frame to raise said platform from or place it upon said tracks.

1,626,645. GLOW-DISCHARGE TRANSMITTER. PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,822. 18 Claims. (Cl. 179—171.)



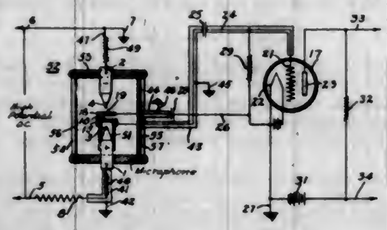
1. In combination, a pair of spaced electrodes, means for maintaining between said electrodes a discharge of the character which has a dark space and a glowing space means for shielding a predetermined portion only of said discharge from pressure variations in the vicinity of said discharge.

1,626,646. GLOW-DISCHARGE TRANSMITTER. PHILLIPS THOMAS, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,823. 4 Claims. (Cl. 179—171.)



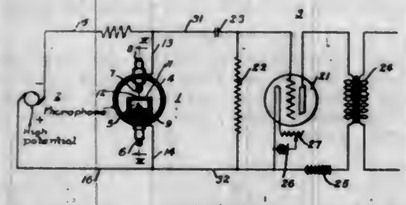
1. An amplifying device comprising a pair of spaced copper discharge electrodes, the space between said electrodes being open to the atmosphere, means for establishing and maintaining a glow discharge therebetween, and means for establishing a magnetic field in the space intermediate said spaced electrodes.

1,626,647. GLOW-DISCHARGE APPARATUS AND METHOD OF OPERATING THE SAME. PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,824. 16 Claims. (Cl. 179—171.)



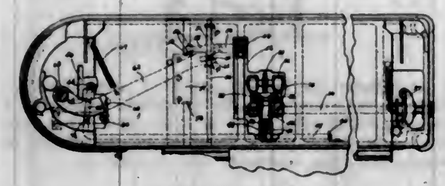
1. In combination, a pair of spaced electrodes, means for establishing a glow discharge therebetween, said discharge including a Faraday dark space and other portions, and means responsive to variations of an electrical characteristic of said dark space only for delivering corresponding electric currents.

1,626,648. GLOW-DISCHARGE MICROPHONE. PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1924. Serial No. 688,379. 14 Claims. (Cl. 179—121.)



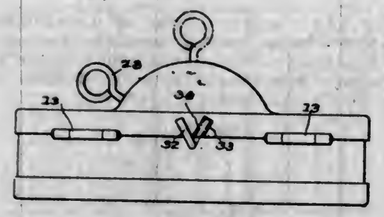
1. In combination, a pair of spaced electrodes, respectively positive and negative exposed to atmospheric pressure, means for establishing a glow discharge therebetween, and means for enclosing said positive electrode.

1,626,649. WORK-EJECTING MECHANISM FOR PRINTING APPARATUS. CHARLES G. TIEFEL, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,619. 7 Claims. (Cl. 271—84.)



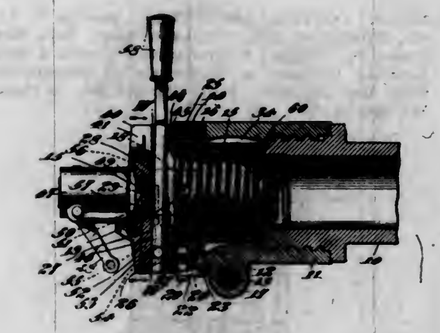
1. The combination with a printing apparatus comprising driving means therefor and manually operable control means for controlling the printed work, of work ejecting mechanism comprising an actuating connection with said driving means and also a connection with said control means for releasing said mechanism in a predetermined position of said control means.

1,626,650. SWITCH MECHANISM. EMIL H. W. ULLRICH, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 3, 1921. Serial No. 489,430. 5 Claims. (Cl. 200—50.)



1. Switch mechanism comprising a housing, a cover hinged to the housing, a switch and a switch-operating lever having a portion thereof projecting from the housing and extending across the path of movement of the cover when the switch is closed for preventing opening movement of the cover so long as the switch is in closed position, a portion of said cover being cut away to receive the projecting portion of the operating lever when the switch is in its full-open position.

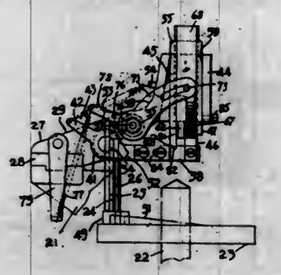
1,626,651. BREECH MECHANISM. PIETER DANIEL VAN ESSEN, The Hague, Netherlands, and CLARENCE HERVY FROELICH, Bethlehem, Pa. Filed July 18, 1924. Serial No. 726,659. 36 Claims. (Cl. 89—20.)



1. In a gun, the combination of a member having a propellent powder chamber therein, said chamber being of substantially smaller diameter than the bore of the gun, whereby an annular clearance may be provided between the chamber and the gun when the former is within the confines of the latter, and a pivotal connection between the tube and the member.

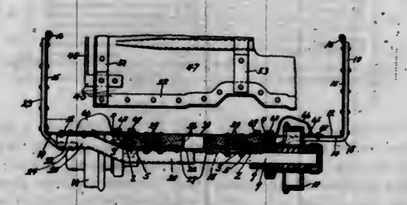
1,626,652. HOOK-FORMING MACHINE. JAMES BRYANT WHITMORE and JOHN EBLING FERGUSON, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 12, 1921. Serial No. 484,086. 28 Claims. (Cl. 140—102.)

3. A device for forming a hook at the end of a wire, comprising a fixed member, a movable member for bending a wire about said fixed member, a common carrier for said members, and means for moving said carrier through an arcuate path to position a wire for bending by said members.



26. In a machine of the character described, a pair of cutting jaws, means for rocking said jaws toward and from each other to sever a wire, and means movable with one of said jaws for engaging the wire after severance to automatically form the same into a hook.

1,626,653. MINE CAR. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 15, 1925. Serial No. 30,540. 21 Claims. (Cl. 105—364.)



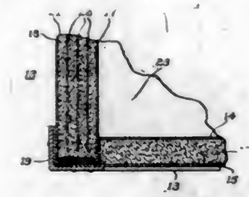
1. In a mine car, flanged side sills, side floor portions secured to flanges of said side sills and having upwardly bent portions forming the car sides, a U-shape member having outwardly projecting flanges connected to flanges of said side sills and said side floor portions and reenforcing members for said car sides connected to the web of said U-shape member.

1,626,654. MINE CAR. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 15, 1925. Serial No. 37,250. 33 Claims. (Cl. 105—364.)



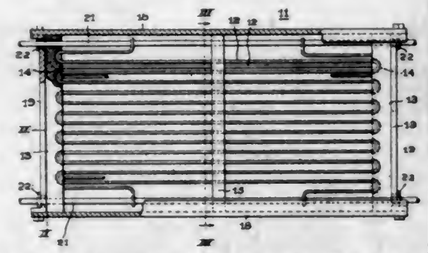
1. In a mine car, metal side floor portions having their inner edges bent to form flanged sills, wheel housings secured to said floor portions and journal boxes secured to the flanges of said sills.

1,626,655. HEAT-INSULATING WALL. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 30, 1923. Serial No. 660,083. 7 Claims. (Cl. 72—16.)



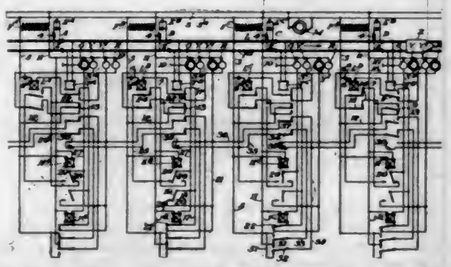
1. A heat insulating wall comprising means having alternate layers of metallic and heat-insulating materials for obtaining a uniform variation of temperature throughout the thickness of the wall.

1,626,656. ELECTRIC-FURNACE HEATING UNIT. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 7, 1923. Serial No. 679,064. 4 Claims. (Cl. 201—63.)



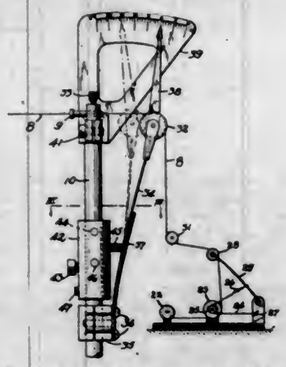
4. In an electric heating unit, in combination, a metal frame, refractory members at each end of said frame, each having a spaced plurality of sets of alined and spaced pockets in the inner face thereof and the pockets in the respective sets being staggered relatively to each other, a plurality of resistor members, each comprising a plurality of return bent convolutions lying in one plane, the return bent end portions being located in said pockets and serving to maintain said refractory members in proper spaced relation in said frame, and a pair of spaced terminal members for said resistors supported by said refractory members and extending therebeyond at each end of the frame.

1,626,657. RAILWAY SIGNALING APPARATUS. HENRY S. YOUNG, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1923. Serial No. 666,948. 8 Claims. (Cl. 246—34.)



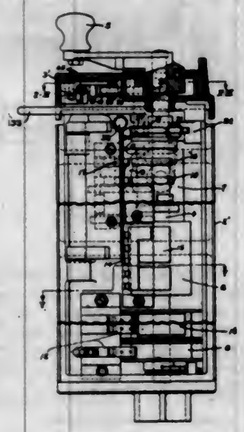
1. In combination, a section of railway track, a track relay for said section, a line relay for said section responsive to traffic conditions in advance, a signal comprising two light units, means controlled by said track relay and said line relay for energizing one of said units, controlling means in circuit with such unit, and means controlled by said means and said track relay for energizing the second said unit.

1,626,658. MANUFACTURE OF INCANDESCENT LAMPS. HOMER GEORGE ANDERSON, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 29, 1922. Serial No. 557,371. 11 Claims. (Cl. 176—4.)



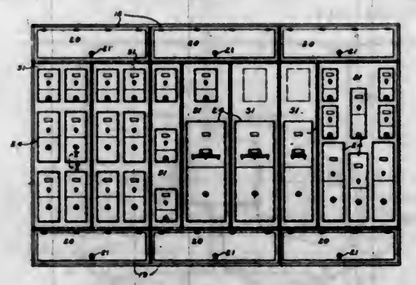
1. In a filament-bending machine, a filament-threading arm, a scale attached thereto, a resilient plate attached to said arm, said plate carrying means for guiding the filament and a pointer movable along the scale to indicate the tension on the filament.

1,626,659. CONTROL APPARATUS. BASCUM O. AUSTIN, Wilkinsburg, and WILLIAM G. HORN, Bryn Mawr Farms, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 24, 1921. Serial No. 472,190. 6 Claims. (Cl. 200—7.)



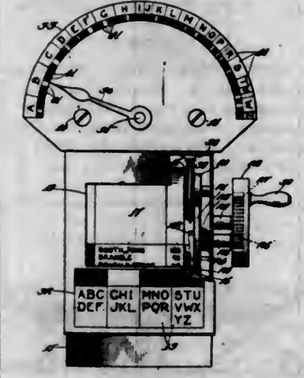
1. In a controller, in combination, a switch-operating drum, means adapted to retain said drum in different positions, a main switch, means for actuating said main switch and means operated by said actuating means cooperative to limit the movement of said drum when the main switch is closed, said drum-retaining means being adapted, when in a predetermined position, to lock the main switch against operation.

1,626,660. SWITCHBOARD. WILMER G. RALPH, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 26, 1921. Serial No. 448,106. 6 Claims. (Cl. 175—369.)



1. A switch board comprising a supporting structure, bus bars supported thereon and spaced therefrom, a plate covering the structure for precluding access to the bus bars from the front of the board and having an insert opening therein, and a box for enclosing fixtures and inserted within, and substantially closing, the opening and having a bottom disposed between the bus bars and the said plate.

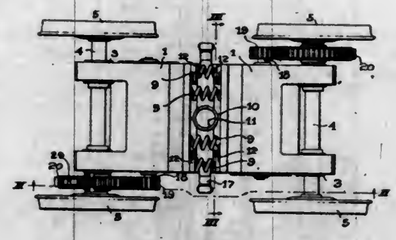
1,626,661. FILING AND INDEXING APPARATUS. IVAN BECKETT, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,526. 17 Claims. (Cl. 129—15.)



1. In a data-indexing apparatus, in combination, an index strip comprising a plurality of sections each identified by a characteristic marking, means for operating said strip to display any one of a plurality of items thereon at a single given point, and a table comprising the several letters of the alphabet arranged in a plurality of groups, the several groups being identified by characteristic markings corresponding respectively to the several markings on said strip.

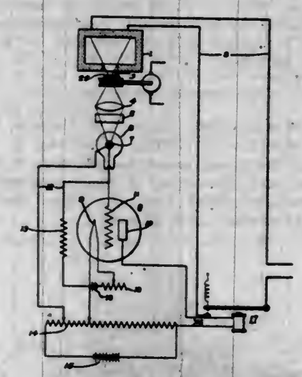
6. In a data-filing and indexing apparatus, the combination with a file comprising a series of data-bearing elements consecutively numbered in numerical order and each bearing the name of the subject to which its data relates, of an index of which said names are arranged in an alphabetical order accompanied respectively by the numbers of the corresponding data-bearing elements.

1,626,662. TRUCK-MOTOR-FRAME SUSPENSION. CLAUDE BETHEL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1923. Serial No. 661,555. 21 Claims. (Cl. 105—133.)



1. A railway vehicle truck comprising a plurality of motors journalled on supporting wheel axles, means for pivotally connecting said motors to the vehicle frame, and means providing pivotal movement of the motors relative to their respective supporting axle and each other.

1,626,663. TEMPERATURE-CONTROLLING SYSTEM. PORTER H. BRACE, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,766. 3 Claims. (Cl. 236—78.)

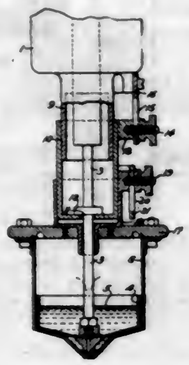


1. In a thermal control system, the combination with a source of radiant energy to be controlled, a photo-electrical cell energized by said source of radiant energy, an electron-discharge device controlled by said photo-electrical cell, and means for preventing heat rays from said source affecting said cell, of means for varying the amount of radiant energy affecting said cell in a predetermined time cycle.

1,626,664. PROCESS OF PURIFYING ILLUMINATING GAS. EDWARD J. BRADY, Philadelphia, Pa., assignor to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 26, 1921. Serial No. 495,520. 2 Claims. (Cl. 23—3.)

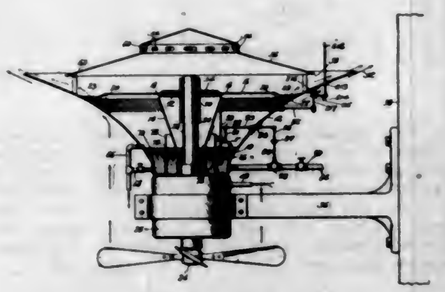
2. The improvement in the process of purifying gas with subdivided hydrated iron oxide which consists in establishing a stream of gas ascending with decreasing velocity and allowing the finely divided iron oxide to fall by gravity and in coaxial counterflow relation with and through and out at the bottom of said stream, and leading off the purified gas.

1,626,665. RELAY. ROBERT BROOKS, Ashton-on-Mersey, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 9, 1920, Serial No. 372,406, and in Great Britain Apr. 11, 1919. 3 Claims. (Cl. 200—97.)



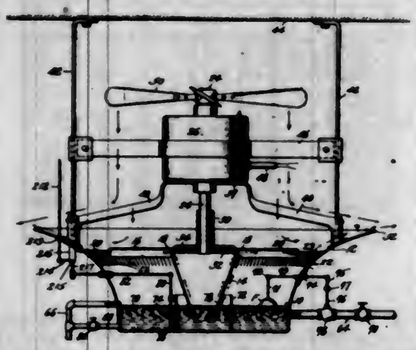
2. A time-element relay comprising a solenoid, a core member actuated thereby, a fluid-containing receptacle actuated thereby, a reservoir containing the fluid-containing receptacle and adapted to receive the fluid upon its issue from the receptacle, and means for adjusting the relations between the core member and the solenoid and between the receptacle and the reservoir to vary the operation of the relay.

1,626,666. HUMIDIFIER. STUART W. CRAMER, Cramerton, and WILLIAM B. HODGE, Charlotte, N. C., assignors, by direct and mesne assignments, to Wm. B. Hodge Company, Charlotte, N. C., a Corporation of North Carolina. Filed Dec. 17, 1924. Serial No. 756,421. 12 Claims. (Cl. 261—91.)



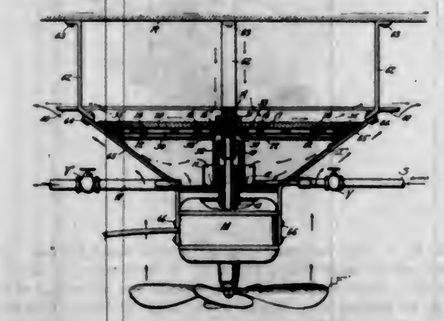
1. Apparatus of the type described which comprises, a liquid container having an outwardly flaring side wall, means for creating a blast of air against the outer surface of said container and deflecting it outwardly past the edge of said container, and means for projecting liquid from said container centrifugally outwardly against the inner surface of said outwardly flaring wall and out of the path of said blast of air, the wall of said container preventing passage of any of said blast of air into contact with said liquid within said container.

1,626,667. HUMIDIFIER. STUART W. CRAMER, Cramerton, and WILLIAM B. HODGE, Charlotte, N. C., assignors, by direct and mesne assignments, to Wm. B. Hodge Company, Charlotte, N. C., a Corporation of North Carolina. Original application filed Dec. 17, 1924, Serial No. 756,421. Divided and this application filed Oct. 27, 1925. Serial No. 65,102. 6 Claims. (Cl. 261—91.)



1. Apparatus of the type described which comprises a water container having a side wall flaring outwardly at its upper end, a rotatable horizontal plate mounted within the upper periphery of said flaring wall, rotatable means for drawing water from said container to the under surface of said plate and projecting it therefrom to the inner surface of said flaring wall, and means for directing a draft of air downwardly towards the upper surface of said plate and outwardly over the edge of said container in a path independent of that of said projected water, permitting only finely divided particles thrown from said projected water to reach said draft of air, the courses of said remaining water and said draft of air diverging after leaving the edge of said disk.

1,626,668. HUMIDIFIER. STUART W. CRAMER, Cramerton, and WILLIAM B. HODGE, Charlotte, N. C., assignors, by direct and mesne assignments, to Wm. B. Hodge Company, Charlotte, N. C., a Corporation of North Carolina. Filed Nov. 13, 1925. Serial No. 68,904. 11 Claims. (Cl. 261—91.)



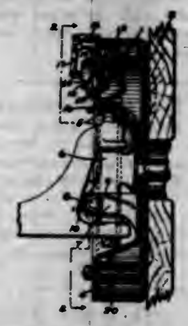
1. Apparatus of the type described which comprises a lower horizontal rotating disk, a tube depending from said disk and having an opening to the upper surface of said disk concentric with the axis of rotation of said disk, means for supplying water to said tube an upper disk mounted slightly above said rotating disk and having the edge turned downwardly at an angle and extending below the plane of said lower disk, whereby water thrown from the edge of said lower disk will strike the down-turned edge of the upper disk at an angle and be deflected outwardly therefrom in a thin film.

1,626,669. TRIAL-LENS MOUNTING FOR OCULISTS AND OPTICIANS. GEORGE S. CRAMPTON, Philadelphia, Pa. Filed June 3, 1922. Serial No. 565,616. 6 Claims. (Cl. 88—20.)



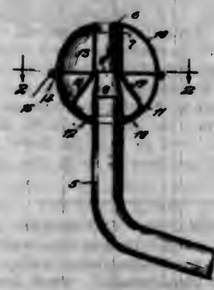
1. A mounting or cell for a cylindrical trial lens comprising a centrally apertured disk having on one face a laterally projecting annular hub provided with axis marking and having on the rim of the hub a marginal projecting flange providing a finger grip.

1,626,670. MOTOR-VEHICLE BRAKE DEVICE. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 9, 1923. Serial No. 618,162. 4 Claims. (Cl. 188—152.)



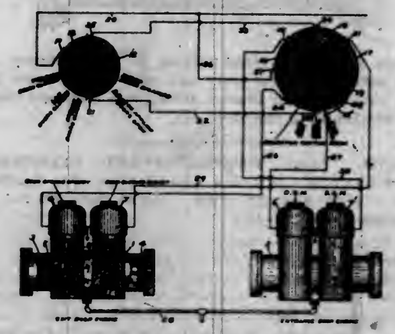
3. In an automotive brake, the combination with a brake drum associated with the front wheel of a motor vehicle, brake members mounted in said drum and means for spreading said members, of a cover plate for said drum, a brake chamber formed in part in the cover plate and in part by a cap section and having its axis parallel with the axis of the drum, and an operative connection between the brake chamber and said means.

1,626,671. TOOL HANDLE. STONE R. ENBERG, Worcester, Mass., assignor to Walden-Worcester, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 6, 1924. Serial No. 748,034. 4 Claims. (Cl. 145—66.)



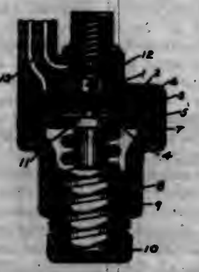
1. A swivel handle for tools comprising a pair of shell like sections, a perforation in each of said sections adapted to receive a tool shank, flanges integral respectively with said shell sections surrounding said perforations and adapted to form bearing surfaces which rotatably support said handle on said tool shank, and means within said sections for non-removably grasping said shank when said shank is inserted in the openings in said sections.

1,626,672. CAR-DOOR-CONTROLLING DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1922. Serial No. 546,527. 4 Claims. (Cl. 105—341.)



1. In a car door controlling mechanism, the combination with two door engines for controlling separate car doors, electric means for operating said door engines to effect the opening and closing of the car doors, and a controlling switch device for controlling the electric circuits for operating said electric means, of a selector switch having a position for completing the circuit through which one door engine is controlled by said controlling switch while the other door engine is operated to hold the corresponding door closed.

1,626,673. FLEXIBLE DIAPHRAGM DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 17, 1924. Serial No. 744,178. 3 Claims. (Cl. 137—157.)

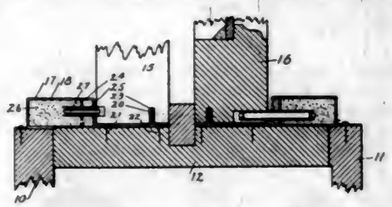


1. The combination with a flexible diaphragm, of a follower engaging said diaphragm and provided with an annular groove and a stop ring in said groove and adapted to limit the movement of said follower and thereby the movement by said follower of said diaphragm in either direction.

1,626,674. COMBINED WINDOW STOP AND WEATHER STRIP. WILLIAM FRIEDMAN, Princeville, Ill. Filed Apr. 9, 1923. Serial No. 630,695. 1 Claim. (Cl. 20—11.)

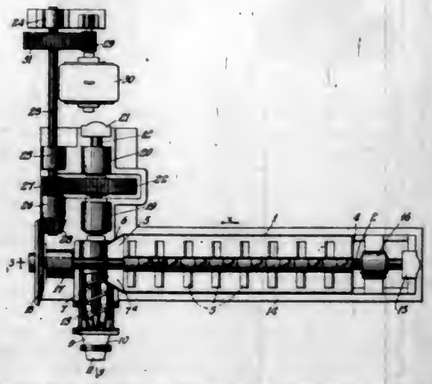
The combination with a window frame and sash member of window stop mechanism, a sheet metal portion adapted for ready attachment to the window jamb, said sheet metal portion including at one end a container for

the sash balance mechanism, said container having a flange portion extending the entire width of the sash, said flange portion limiting the position of the container with relation to the parting strip, the pulley of said sash



balance mechanism being pivoted in the container and lying parallel with the jamb, and said flange portion having a raised member thereon acting as a combined runner and weather strip therefor.

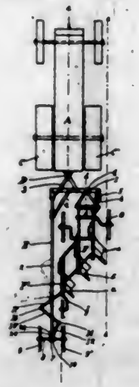
1,626,675. CLAY TEMPERING AND EXPRESSING APPARATUS. WILLIAM LEE HANLEY, Jr., Bradford, Pa. Filed Feb. 26, 1924. Serial No. 695,223. 3 Claims. (Cl. 25—14.)



1. In a machine of the character described, the combination of a horizontally disposed clay tempering cylinder, and a horizontally disposed expressing cylinder located adjacent to the discharge end of the tempering cylinder and substantially perpendicularly thereto, rotary tempering and feeding devices located in said tempering cylinder, and constructed to effect a feed of the material from the delivery end of the tempering cylinder to the discharge end thereof, said tempering cylinder being of such length as to reduce clay and water admitted to its outer end to proper plastic condition during its travel to the discharge end thereof, said tempering cylinder having a discharge aperture, the lower edge of which is substantially coincident with the bottom of said cylinder, communicating directly with a corresponding aperture in the side of the expressing cylinder, and located slightly above the bottom of the expressing cylinder, an expressing auger located in the expressing cylinder, and common driving means for said auger and for the clay tempering devices located closely adjacent to the intersection of said cylinders.

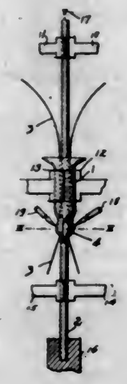
1,626,676. ANTI-SIDE-DRAFT PLOW HITCH. PAUL HANSMANN and HERMAN STRACK, Long Prairie, Minn., assignors, by mesne assignments, to the said Hansmann. Filed Feb. 15, 1924. Serial No. 693,110. 4 Claims. (Cl. 97—180.)

1. In a tractor operated plow, a tongue member having a rearward extending longitudinal member and a transverse bar at its forward end, a pair of flanged truck wheels supporting the rearward end of the tongue member, a connection between the draw bar of the tractor and a point intermediate the ends of the transverse bar, a caster wheel supporting the free end of the transverse bar, and a plow unit pivotally connected at its forward end to the transverse bar in an offset position between



the points of connection of the transverse bar with the tractor draw bar and with the caster wheel, the weight of the wheel supported tongue member serving to balance the plow in its offset position.

1,626,677. STEM FOR INCANDESCENT LAMPS AND METHOD OF MAKING. JOHN JOSEPH HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 25, 1922. Serial No. 546,679. 8 Claims. (Cl. 176—7.)

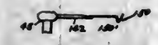


1. The method of making incandescent electric lamp stems composed of a relatively small diameter and a relatively large diameter glass tube which comprises supporting the tubes initially spaced apart and substantially in concentric relation, heating to fuse an end of the outer tube to contract the same about the inner tube and supplying sufficient heat to fuse the inner tube and expanding the fused portions of both the tubes to intimately unite them.

1,626,678. COMBINATION INSERTING AND WELDING MACHINE. JOHN JOSEPH HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 31, 1923. Serial No. 683,574. 22 Claims. (Cl. 176—3.)

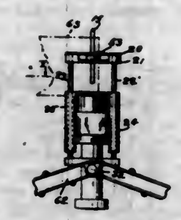
10. A lamp making machine comprising a wire inserting mechanism, a lamp part positioned to receive a wire from

said inserting mechanism, means for compressing the free end of an inserted wire, means for welding another wire to the compressed portion of said inserted wire,



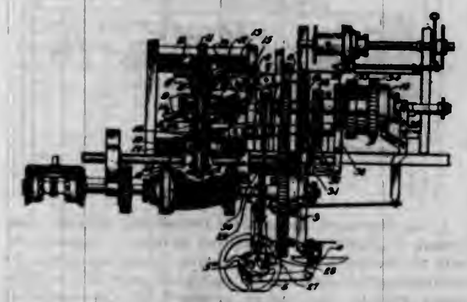
loop-forming mechanism operable to form a loop at the free end of the last mentioned wire, and means for transferring said lamp part from said inserting mechanism into operative relation with said respective means.

1,626,679. LAMP-MAKING MACHINE. HARRY DANIEL KELLY, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Oct. 12, 1923. Serial No. 668,050. 16 Claims. (Cl. 176—2.)



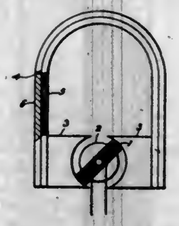
8. An exhausting machine for incandescent electric lamps comprising a conveyor having exhaust-tube-receiving apertures, means for gripping exhaust tubes disposed in said apertures and means for causing the gripping means to lift said exhaust tubes from said apertures.

1,626,680. DRIVE MECHANISM FOR TRACTORS. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor, by mesne assignments, to Kochring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 2, 1921. Serial No. 448,996. 4 Claims. (Cl. 180—17.)



1. Drive mechanism of the class described, comprising a propeller shaft, a propeller sleeve on said shaft, a combined clutch and brake member keyed to the shaft, a combined clutch and brake member keyed to the sleeve, a clutch member cooperative with the clutch elements of said combined clutch and brake members and comprising a double faced device formed with a gear, a driving gear meshing with the aforesaid gear, shoes with which the brake elements of the combined clutch and brake members are adapted to engage, means for shifting either of the combined clutch and brake members from engagement with said double faced clutch member, and to cause engagement of the brake element thereof with its brake shoe.

1,626,681. MAGNET. PAUL MACGAHAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1924. Serial No. 684,977. 5 Claims. (Cl. 175—21.)

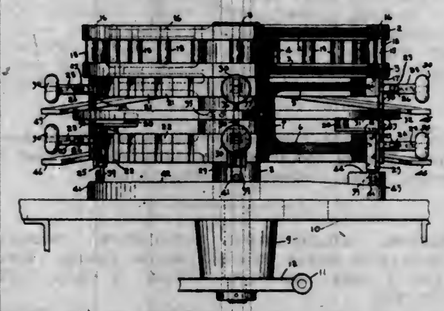


1. In combination, two elements disposed in side-by-side relation and having different thermal coefficients of expansion for effecting lateral movement thereof in response to temperature changes, one of said elements being a magnet element having adjacent poles which are moved relatively by such movement.

1,626,682. GETTER AND METHOD OF APPLYING THE SAME. DUNCAN MACRAE, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 18, 1921. Serial No. 470,672. 10 Claims. (Cl. 176—16.)

4. The method of affixing a getter free from a binder to a filamentary material, which consists in coating the filamentary material with a getter and heating said getter to a temperature sufficient to fuse the same to the filamentary material and allowing the getter to solidify thereon.

1,626,683. MACHINE FOR DEFORMING GLASS ARTICLES. HARRY D. MADDEN, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 10, 1920. Serial No. 429,623. 19 Claims. (Cl. 49—7.)



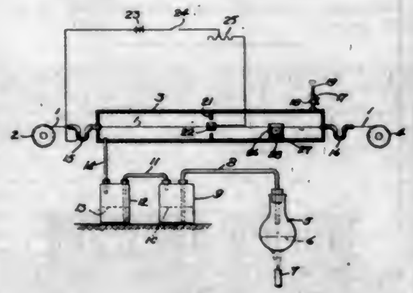
1. A glass-working machine comprising means for producing a restricted heat zone, means for continuously moving a tubular body through said heat zone whereby heat is applied to a portion of the said tubular body, means for varying the length of the heated portion to alter the calibre of the said heated portion and means for discharging the altered tubular body from the machine.

1,626,684. CONDENSER. RALPH E. MARBURY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 1, 1923. Serial No. 665,835. 15 Claims. (Cl. 175—41.)



1. An electrical condenser having a dielectric comprising substantially pure asbestos.

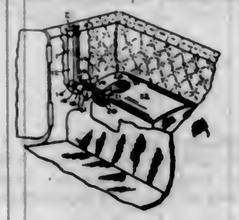
1,626,685. ACTIVATION BY MEANS OF HYDROGEN-FREE, CARBON-BEARING GAS. JOHN WESLEY MARDEN, East Orange, and THOMAS PHILIP THOMAS and JOHN EDWARD CONLEY, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 10, 1923. Serial No. 631,090. 8 Claims. (Cl. 250—27.5.)



2. The method of activating thoriated metal wire comprising heating and passing it continuously through a gaseous carbon compound, free from hydrogen.

1,626,686. LIQUID-LEVEL INDICATOR. WILLIAM ALEXANDER MCRAE, Brechin, Ontario, Canada. Filed Dec. 1, 1924. Serial No. 753,065. 1 Claim. (Cl. 73—82.)

A liquid level indicator comprising an arm having guide brackets on one face thereof, a bracket adapted for fastening said arm to a receptacle, a rod pivotally mounted in one end of said arm and having a crank end adjacent to said arm, a float secured to the outermost end of said rod, a loop slidably mounted in said guide brackets and a link connecting one end of said loop to the crank end of said rod, said loop having a cross member intermediate its ends, a spindle pivotally mounted at one end at a point adjacent to said loop and having a fork-shaped portion at right angles thereto engaging said cross member of said loop, an indicator secured at the other end of said spindle, and a dial secured adjacent to said indicator.

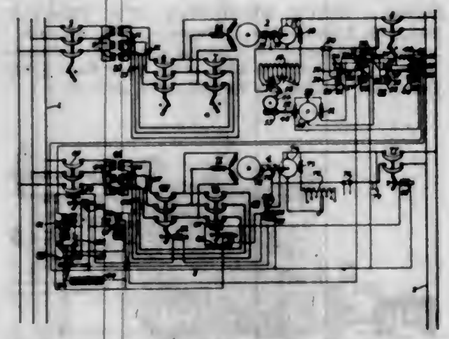


1,626,687. X-RAY-TUBE RADIATOR. MONTFORD MORRISON, New York, N. Y. Filed Mar. 4, 1922. Serial No. 541,160. 7 Claims. (Cl. 250—35.)



1. In an X-ray tube, a radiator comprising a plurality of plates spaced apart, said plates being disposed in planes substantially parallel to the axis of the tube and with respect to each other so that air currents may pass through the space between said plates.

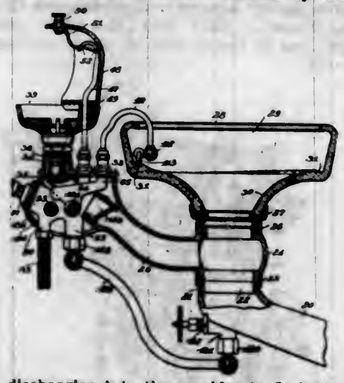
1,626,688. AUTOMATIC STATION. WILLIAM L. NEWMEYER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1924. Serial No. 693,574. 15 Claims. (Cl. 171—312.)



1. An automatic electrical translating station comprising a plurality of translating devices, a common circuit for receiving energy therefrom, regulating means for automatically regulating the voltage of each of the translating devices, and means actuated by the regulating means of one device for determining the periods of operation of another device.

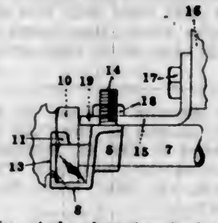
1,626,689. DENTAL APPARATUS. ALPHONSE F. PIERRE, Rochester, N. Y. Filed Sept. 20, 1923. Serial No. 663,892. 27 Claims. (Cl. 4—263.)

1. In a dental cuspidor fixture, the combination of a hollow support forming a waste conduit, a cuspidor discharging into said support, an arm on said support carrying a housing, a valve head enclosed and detachably secured in said housing, water supply means for the valve head, saliva ejector means controlled by the valve



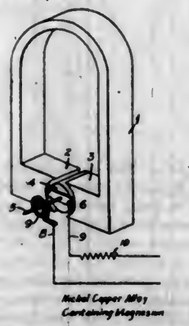
head and discharging into the cuspidor to flush the same, and water discharge means connected with the valve head for flushing the cuspidor.

1,626,690. ANGLE-COCK HOLDER. FRANK H. PIETZSCH, St. Louis, Mo., assignor to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 22, 1923. Serial No. 626,751. 3 Claims. (Cl. 248—31.)



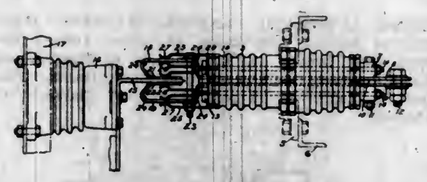
1. In a device of the class described, a casing forming a pocket for the head of an angle cock, said pocket having an opening for the lateral insertion of the head therein, an extension under which the head may be moved to prevent its escape by relative transverse movement, and means for securing said casing to a car, said means being adapted to retain the head under the extension.

1,626,691. RESISTOR ALLOY. NORMAN B. PILLING, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1922. Serial No. 585,855. 3 Claims. (Cl. 75—1.)



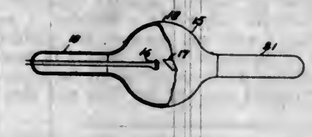
2. A resistance alloy consisting of 35 to 55 parts of nickel, 65 to 45 parts of copper and magnesium in amount from a trace to .1%, said alloy having a negative temperature coefficient of resistance.

1,626,692. SWITCH CONTACT. ARTHUR RAWLING, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1923. Serial No. 672,808. 1 Claim. (Cl. 173—332.)



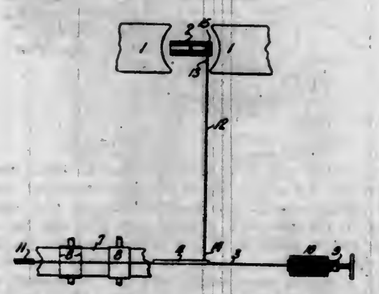
A contact jaw member comprising a support member, a pair of contact jaw members movably mounted upon the support member and having a reentrant contact portion overlapping the main portion for engaging and receiving a switch blade member therebetween, means for limiting separation of the jaw members and spring members disposed between the said contact portion and main portion of the jaw members and retained in operative position by the said means for yieldingly pressing the contact portions into engagement with the said switch blade member.

1,626,693. HIGH-VOLTAGE ELECTRON DEVICE. HARVEY CLAYTON RENTSCHLER, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Nov. 29, 1922. Serial No. 603,912. 4 Claims. (Cl. 250—35.)



1. An electron device for high potential comprising an evacuated sealed insulating envelope, an electron-emitting cathode and an anode therein, that portion of said envelope adjacent said electron-emitting cathode including material of greater conductivity than the remaining portions of said envelope whereby severe dielectric stresses therein are obviated.

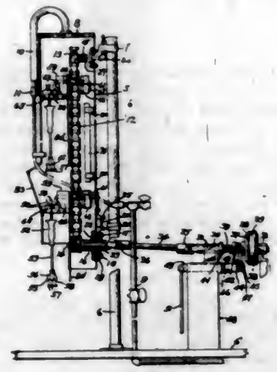
1,626,694. GALVANOMETER AND LIKE RECORDING INSTRUMENT. JOHN RIDDLE, London, England, assignor to Telegraph Construction and Maintenance Company, Limited, London, England. Filed Nov. 21, 1924, Serial No. 751,291, and in Great Britain Aug. 16, 1924. 8 Claims. (Cl. 178—91.)



1. In a micro-galvanometer and like recording instrument suitable for receiving signals of minute power, the

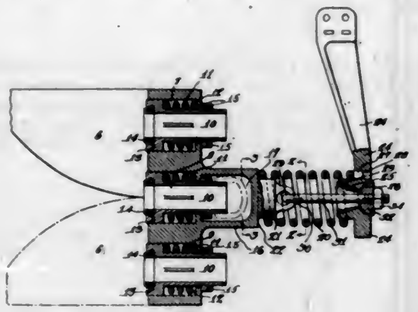
combination of means for producing a magnetic field, a coil immersed therein and capable of turning about an axis, a flexible strip, a recorder mounted on said strip, and a tube of glass connecting the coil to the recorder.

1,626,695. AUTOMATIC FLASHING MACHINE. HARRY MILTON ROBINS, Glen Ridge, and JOHN JOSEPH HIGGINS, East Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Oct. 22, 1923. Serial No. 669,913. 7 Claims. (Cl. 176—3.)



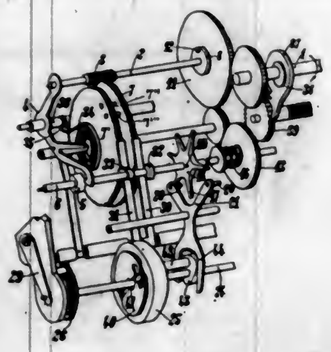
1. A machine for flashing mounted incandescent electric lamp filaments comprising a chamber, a conveyor, means associated with said conveyor for engaging leading-in wires of the stems of said mounts to support the same in depending positions and means for automatically moving said mounts into and out from said chamber.

1,626,696. CONNECTER-HEAD SUPPORT. EDWARD A. ROBINSON, Montreal, Quebec, Canada, assignor of one-half to himself and one-half to Ellison E. Workman, Montreal, Canada. Filed May 17, 1922. Serial No. 561,708. 2 Claims. (Cl. 285—24.)



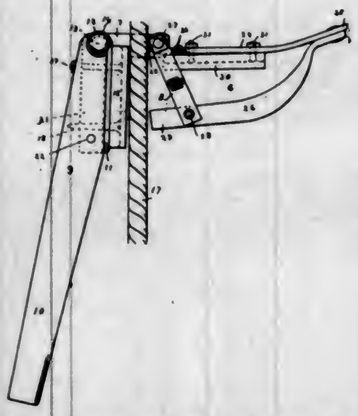
1. In a train pipe connecter, a connecter head having a rearwardly extending hollow support apertured at the side, a spring pressed pipe terminal within the support adapted to connect with a train pipe through the side opening and to move back and forward within the body of the head and the support, an eye at the rear of the support, a spring surrounding the eye, a bracket with which the rear of the spring engages and a hook rod engageable with the bracket and eye and maintaining the spring in compression.

1,626,697. CONSTRUCTION OF SPEED INDICATORS. CHARLES HILAIRE HENRI RODANET, Paris, France, assignor to Société Anonyme: Etablissements Ed. Jaeger, Paris, France. Filed July 18, 1924, Serial No. 726,892, and in France Aug. 11, 1923. 1 Claim. (Cl. 235—104.)



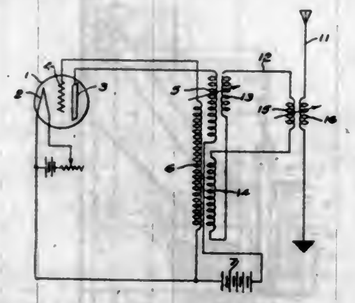
In a speed periodical indicator having a toothed wheel which is periodically driven by the shaft the speed of which is being measured and a co-axial toothed wheel actuated by clockwork, spring blades secured, at one of their ends, on the support of the indicator and directly engaging, through their other ends, with the respective teeth of the co-axial wheels, these spring blades being directly engaged by cams of the shaft connected to the clockwork.

1,626,698. FIRE ESCAPE. GEORGE M. ROUSE, Westmoreland, N. Y., assignor, by direct and mesne assignments, of one-third to Earl W. Bellinger, Westmoreland, N. Y., and one-third to Guy M. Thomas, Utica, N. Y. Filed Oct. 22, 1924. Serial No. 745,141. 2 Claims. (Cl. 227—25.)



1. In a fire escape the combination of two handled members having oppositely disposed friction faces adapted to engage a rope, a cross bar rigidly projecting from one member and permanently and pivotally connected to the other handled member adjacent said friction faces and to one side thereof, a headed lug projecting from the opposite side of said first handled member and a second cross bar fixedly projecting from the second member past the other side of said friction faces and having a hook adapted to be brought into positive interlocking engagement with said headed lug when the members are closed, but leaving that side of the friction faces clear for the entrance of the rope when the members are separated.

1,626,699. RADIO TRANSMISSION SYSTEM. HEINRICH SCHIENSTEIN, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 31, 1921, Serial No. 511,774, and in Germany Jan. 26, 1921. 1 Claim. (Cl. 250—17.)

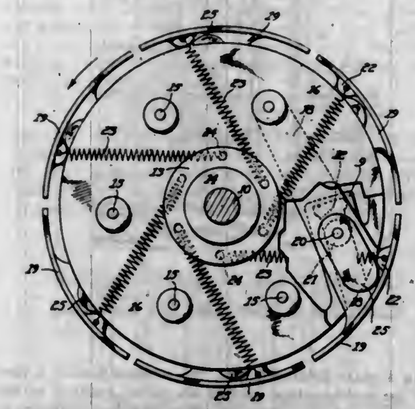


In a radio sending device, an oscillation generator, including a feed-back coupling, a radiating circuit, a link circuit, transformers coupling said link circuit to said oscillation generator and said radiating circuit respectively, one of said transformers including members which are also a part of said feed-back coupling.

1,626,700. BASING CEMENT. EDWARD ROBERT SCHMID, Verona, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Feb. 27, 1922. Serial No. 539,755. 5 Claims. (Cl. 87—17.)

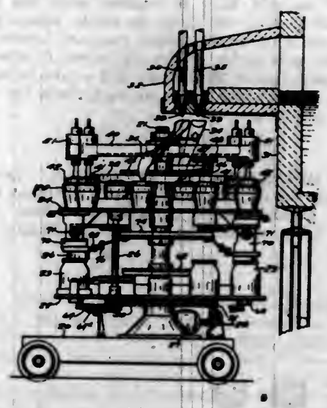
2. A cement consisting of shellac and bakelite in equal proportions, an inorganic inert filler, alcohol for dissolving said shellac and bakelite and rosin for hastening a film on the surface of the cement to prevent relatively rapid hardening of the major portion thereof.

1,626,701. EXPANSION PULLEY. FRANK HENRY SLEEPER, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 14, 1925, Serial No. 2,447. Renewed Jan. 26, 1927. 3 Claims. (Cl. 64—8.)



3. An automatically expansible and contractible pulley, comprising a disc fast on the shaft and provided with cam slots, a second disc loose on the shaft, a plurality of rim segments, each having a stem pivoted to said loose disc, a roller on each of said stems engaging one of said slots, and resilient means to resist radial movement of said segments.

1,626,702. APPARATUS FOR FORMING GLASS. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 11, 1920. Serial No. 416,022. 25 Claims. (Cl. 49—5.)

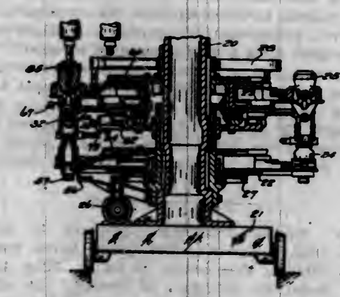


2. In a glass forming machine, the combination of separate molds arranged to receive charges of glass simultaneously, and separate means provided in duplicate cooperating with said molds for concomitantly forming the charges of glass into finished articles by a series of operations, whereby the formation of the articles is effected simultaneously, each of said forming means being brought into cooperative relation to each of the separate molds in succession.

17. In a glass forming machine, the combination of a blank mold and a finishing mold arranged one above the other, a transfer head, a plurality of neck molds carried by said head, and automatic means for imparting a step by step rotation to said head always in the same direction about a horizontal axis and thereby move each neck mold periodically from a position in register with the blank mold to a position in register with the finishing mold.

18. In a glass forming machine, the combination of an inverted blank mold, a finishing mold therebeneath, a transfer head, a neck mold carried by said head, a reciprocating rack, a pinion in mesh therewith, and a one way driving connection between said pinion and said transfer head.

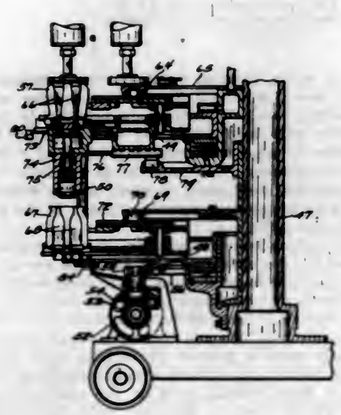
1,626,703. GLASS-FORMING MACHINE. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 15, 1920, Serial No. 424,197. Renewed Mar. 23, 1926. 24 Claims. (Cl. 49—9.)



13. In a glass forming machine, the combination of a rotary mold carriage, a group of molds thereon comprising blank molds arranged one in advance of the other in,

the direction of their travel and finishing molds arranged below the blank molds and one in advance of the other in their direction of travel, the faces of all the molds in the group, when closed being in the same plane, a transfer head between the blank molds and the finishing molds, neck molds on said head in register with the blank molds, means to open and close the molds, means to rotate said head and thereby carry the bare blanks supported in the neck molds downward, means to close the finishing molds around the blanks, and means to successively open the finishing molds as they reach the same discharging position.

1,626,704. GLASS-FORMING APPARATUS. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 15, 1920. Serial No. 424,198. 7 Claims. (Cl. 49—5.)

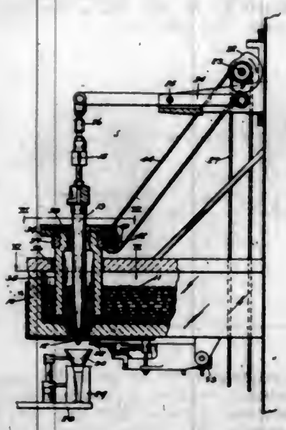


4. In a glass forming machine, the combination with a rotary mold carriage, of mold bottoms arranged radially at different distances from the axis of the carriage, and automatic means for separately tilting said mold bottoms in succession.

11. In a glass forming machine, the combination with means for simultaneously delivering a multiple of gobs of molten glass from a molten mass, of a support traveling in a closed path, a series of groups of molds thereon, each group comprising a multiple of blank molds adapted to receive the gobs of glass and form them into blanks, a complementary multiple of finishing molds, and means for transferring the blanks from the blank molds to the finishing molds and blowing the blanks to finish form therein.

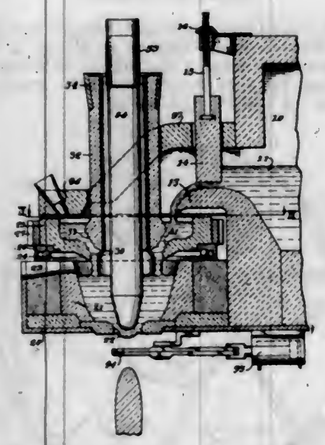
1,626,705. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 28, 1923. Serial No. 635,212. 28 Claims. (Cl. 49—55.)

1. In a glass feeder, the combination of a container for molten glass having an outlet opening in the bottom thereof through which the glass issues, means for forming the issuing glass into mold charges comprising a regulator projecting over said opening and means for actuating said regulator periodically at regular intervals,



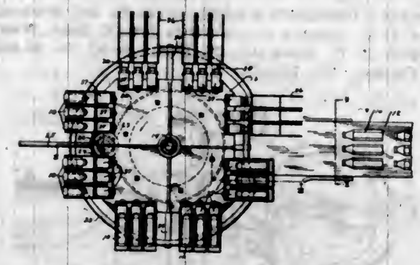
a stirring device projecting into the glass at one side of the regulator, and means to cause said stirring device to move in a path surrounding said regulator.

1,626,706. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 17, 1923. Serial No. 675,261. 22 Claims. (Cl. 49—55.)



2. In a glass feeding device, the combination of a container for molten glass, having an outlet opening in the bottom thereof, a vertically reciprocating plunger in alignment with said opening, means providing a flowing stream of glass, an auxiliary container having an outlet opening above and in alignment with said first mentioned container, and means forming with the outlet opening of the auxiliary container an annular passageway through which the glass issues to said first mentioned container.

1,626,707. APPARATUS FOR TRANSFERRING GLASS ARTICLES. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 31, 1924. Serial No. 703,048. 5 Claims. (Cl. 214—91.)

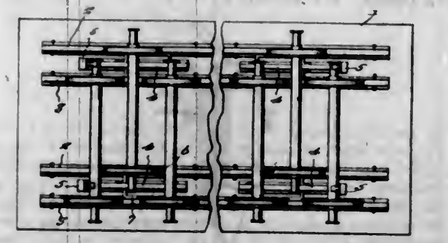


1. The combination of a carriage mounted for rotation about a stationary axis, a plurality of carriers mounted on said carriage and each comprising a plurality of individual compartments for receiving articles, said carriers being normally held in an article supporting position on the carriage and brought in succession to an article receiving position by the rotation of the carriage, automatic means for successively shifting the carriers relative to the carriage to an article discharging position, and automatic means for depositing articles in all the compartments of a carrier while the carrier is at said receiving position.

1,626,708. PROCESS OF MAKING PERFUMED OR MEDICATED TRANSPARENT SOAPS. PAUL VILLAIN, London, England. Filed Oct. 31, 1924, Serial No. 747,113, and in Great Britain Nov. 7, 1923. 4 Claims. (Cl. 87—16.)

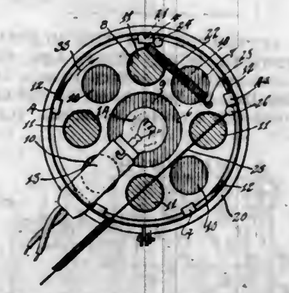
1. A process of making transparent soap and providing the same homogeneously with a protective film when dry, comprising the steps of adding to a hot transparent soap mixture a large quantity of non-crystallizable odorous fluid products and methylated spirit in equal parts and a small quantity of a film-forming soluble cellulose derivative; heating the resultant mixture to about 80° C.; partially cooling said mixture to about 72° C.; running the partially-cooled mixture into frames to form tablets; and leaving it to cool slowly in air, whereby the soluble film-forming cellulose derivative will appear as a thin coating over the soap tablets to retain the odorous products therein until liberated by washing with water, whereafter the coating is reformed by drying in air.

1,626,709. MEANS FOR TRANSPORTATION OF ROLLING STOCK. CLARENCE H. WALTHALL, Montgomery, W. Va., assignor of two-fifths to Robert A. Withrow, Montgomery, W. Va. Filed Apr. 19, 1926. Serial No. 102,942. 6 Claims. (Cl. 105—367.)



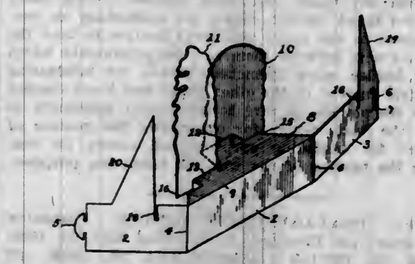
2. In combination, a car bed, two pairs of supporting rails thereon in straddling relation, and rolling stock retaining means secured between corresponding rails of said pairs.

1,626,710. SIGNAL LIGHT. JOSEPH E. WOOD, Chicago, Ill., assignor of one-fourth to Charles A. Terrel and one-eighth to Alice M. Wagner, Chicago, Ill. Filed Feb. 19, 1926. Serial No. 89,348. 5 Claims. (Cl. 116—45.)



1. A device of the type described comprising a casing having a source of light disposed therein, a disc, clear signals disposed in said disc, warning signals disposed between said clear signals in said disc, a cover plate disposed adjacent to said disc normally allowing the rays of light to project clear signals therethrough and to hide the warning signal, and means for automatically moving said disc, whereby the clear signals will be hidden by said cover plate, thus allowing the rays of light to project warning signals therethrough.

1,626,711. DISPLAY STAND. HERBERT ACKERET, Massillon, Ohio, assignor to The Massillon-Cleveland-Akron Sign Company, Massillon, Ohio, a Corporation. Filed Feb. 9, 1924. Serial No. 691,567. 8 Claims. (Cl. 40—126.)



1. A display stand including a front panel, end wings extending rearwardly therefrom to provide a supporting base, a substantially horizontal top wing extending rearwardly from the front panel, and a plurality of display leaves hingedly connected to the top wing at different distances from the front panel and provided with means for interengagement with the end wings, said end wings being provided with cooperating engaging means at different distances from their connection to the front panel to independently support the display leaves in operative position.

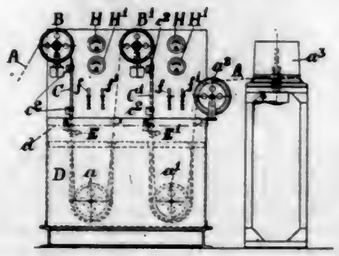
1,626,712. VINE LIFTER. GEORGE S. AGEE, Longview, Wash. Filed Oct. 30, 1924. Serial No. 746,842. 3 Claims. (Cl. 56—249.)



1. A vine lifting attachment of the class described comprising a wheel rim protecting strip merging at its

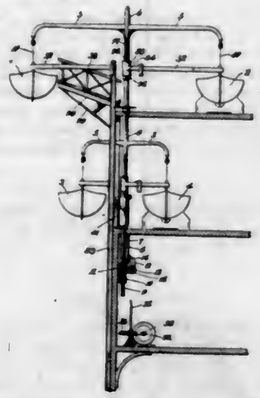
front end into a forwardly extending nose and having a stud extending from one side edge thereof and equipped at its lower edge with a laterally and outwardly extending flange, said attachment having means for detachably connecting it to a wheel supported implement.

1,626,713. APPARATUS FOR THE ELECTRIC-HEAT TREATMENT OF WIRE, STRIP, AND THE LIKE. HERBERT ALEXANDER and ARTHUR IMBERY, Leeds, England. Filed Dec. 29, 1924, Serial No. 758,618, and in Great Britain Oct. 3, 1924. 3 Claims. (Cl. 266—3.)



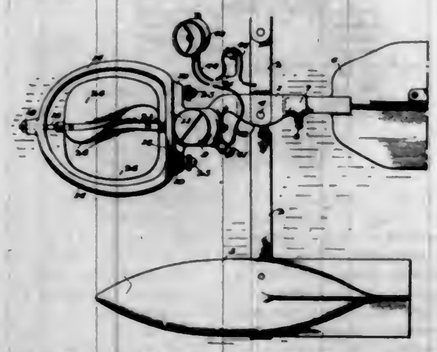
1. In apparatus for hardening and tempering travelling steel wire, strip and the like, a vessel for holding a quenching medium for cooling the wire, a pair of electrical contacts situated above the vessel, a pair of stationary electrical contacts submerged in the quenching medium for making frictional contact with the travelling wire, the said contacts being arranged to allow the wire to maintain an approximately vertical position in relation to the quenching medium, means for guiding the wire from one upper and lower contact to the other upper and lower contact, means for conducting an electric current to one upper and lower contact to heat the portion of wire between them to a temperature at which it will harden when quenched, means for conducting an electric current to the other upper and lower contact to heat the portion of wire between them sufficiently to temper the wire, means for controlling the heating of the wire for hardening purposes and means for controlling the heating of the wire for tempering purposes.

1,626,714. BOAT-LAUNCHING DEVICE. FREDERICK A. ANTONCICH, Brooklyn, N. Y. Filed Mar. 23, 1923. Serial No. 627,163. Renewed Sept. 25, 1926. 22 Claims. (Cl. 9—22.)



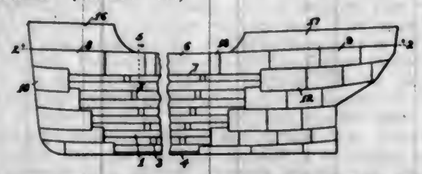
1. In a boat launching device, a davit, a support for said davit, means for raising and lowering said davit, and means for moving said davit, means for guiding the boat to control its position while being lowered with relation to the side of a vessel from which it is being lowered and means within the boat being lowered for detaching said guiding means.

1,626,715. CURRENT METER. CARL H. AU, Washington, D. C., assignor of one-half to John C. Hoyt, Washington, D. C. Filed Oct. 28, 1925. Serial No. 65,451. 8 Claims. (Cl. 73—37.)



3. In an axial flow meter, the combination of a horizontal stem, a yoke removably secured to the forward end thereof, a contact-chamber mounted on said stem, a bearing in said chamber, an adjustable bearing in the forward part of said yoke, and a current-driven horizontal spindle turning on said bearings, whereby said yoke and spindle may be readily disassembled.

1,626,716. CHANNEL AND PLATE CONSTRUCTION FOR VESSELS. WILFORD G. BARTENFELD, Lorain, Ohio. Filed May 19, 1926. Serial No. 110,125. 4 Claims. (Cl. 114—79.)



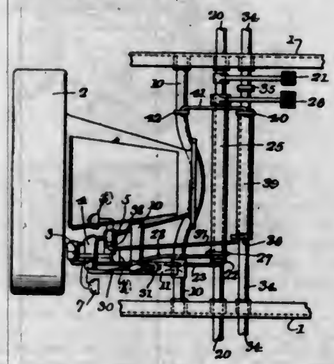
1. In a hull for vessels, the combination of channels, forming the sides of the hull intermediate the ends thereof, and plates connected to said channels forming the ends of the hull.

1,626,717. PLUMB BOB. ALFRED E. BOSSERDET, Detroit, Mich., assignor of one-half to Edward Hunter, Detroit, Mich. Filed Apr. 7, 1926. Serial No. 100,242. 3 Claims. (Cl. 33—217.)



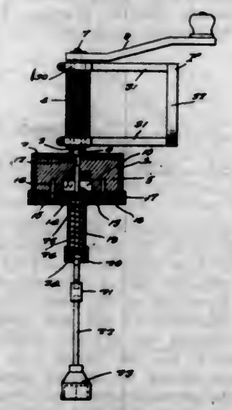
1. A plumb bob hollowed out to provide a well, a reel mounted within such well extending transversely thereof and having a bearing at each end in the side wall of the bob, said reel extending at each end beyond said bearings and having a thumb piece at each end, an expansion spring around the reel between one thumb piece and the adjacent side wall of the bob, there being opposed recesses in the opposite side wall of the bob adjacent the reel bearing, and opposed lugs upon the adjacent thumb piece adapted to be engaged in said recesses to hold the reel against rotation.

1,626,718. TRANSMISSION CONTROL. JAY H. BUTLER, Newark, Ohio. Filed Sept. 14, 1925. Serial No. 56,322. 4 Claims. (Cl. 74—39.)



1. In a device of the class described, a transmission mechanism having reverse and clutch shafts at one side of said mechanism, second shafts journaled one upon the other, and link connections between the second shafts and the clutch and reverse shafts, and means for operating said shafts, said means being located on the opposite side of the transmission mechanism.

1,626,719. SPEED WRENCH. CLAUD CALLISON, Loyal, Okla. Filed Mar. 10, 1925. Serial No. 14,565. 1 Claim. (Cl. 81—57.)



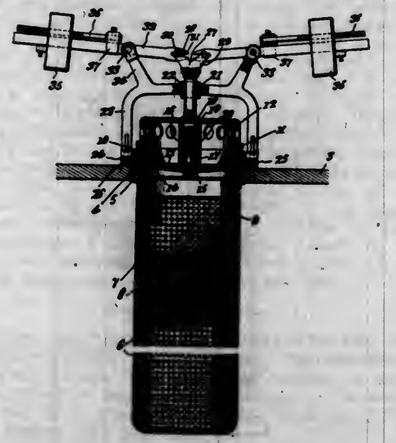
In a reversible wrench, a casing, a sleeve extending upwardly from one end of the casing, a block rotatably mounted in the casing and provided with a recess having an internal gear section formed therein, an elongated shank extending upwardly from the block through the sleeve, an annular rack carried by the casing, radially disposed pinions rotatably carried by the block and meshing with the annular rack, a tubular extension on the opposite end of the casing, a shaft slidably extending through the tubular extension and into the recess of the block, a pinion fixed to the shaft and meshable with the radially disposed pinions, a spring seated in the tubular extension and adapted to normally retain the pinion in mesh with said radially disposed pinions, a crank, and a socket member, said crank and said socket member being interchangeable on the free ends of the shank and shaft respectively.

1,626,720. METHOD OF MAKING DENTAL ATTACHMENTS. HERMAN E. S. CHAYES, New York, N. Y., assignor to Chayes Dental Instrument Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1925. Serial No. 10,782. 5 Claims. (Cl. 29—160.6.)



1. That process for making dental anchoring devices which consists in subjecting an elongated piece of metal to a forming operation to produce therein a T-shaped cross-section in which the flange on one side of the stem has a greater width than the flange on the other side, in folding the flange on itself, and in dividing the formed and folded member thus produced transversely into sections to provide the finished articles.

1,626,721. SAFETY ATTACHMENT FOR TANKS. JACOB COHN, New York, N. Y., assignor, by mesne assignments, to Nonexplosive Corporation of America (New Corporation), a Corporation of Delaware. Filed July 26, 1924. Serial No. 728,337. 1 Claim. (Cl. 27—45.)

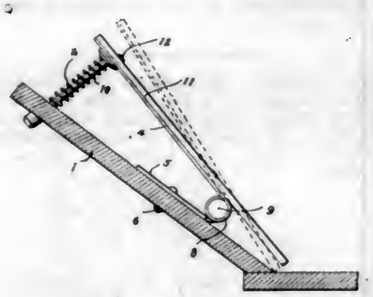


In combination with a receptacle, a relief valve, an air valve carried by said relief valve, a yoke member having horns detachably affixed to said receptacle, a rigid stud attached to the top of said relief valve and adapted to reciprocate in said yoke upon the movement of said relief valve, a cross head with divergent arms detachably affixed to the top of said stud above the yoke, weighted levers fulcrumed at a point intermediate their ends to the horns of said yoke and having the near ends thereof provided with slots opening through such ends, pins carried by said divergent arms slidably and detachably engaged in said slots.

1,626,722. ACCELERATOR PEDAL. LEON J. COLE, Greenville, Pa. Filed Oct. 26, 1926. Serial No. 144,344. 3 Claims. (Cl. 74—81.)

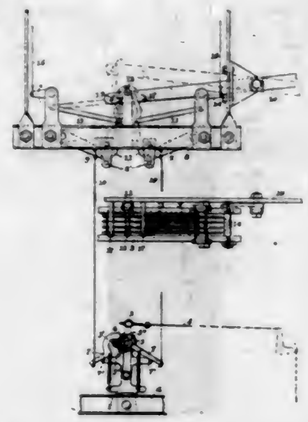
1. A pedal of the character described comprising an attaching leaf, an actuating leaf hinged to said attach-

ing leaf and extending over said attaching leaf, said actuating leaf being of greater length than said attaching leaf, and a covering of yieldable material secured



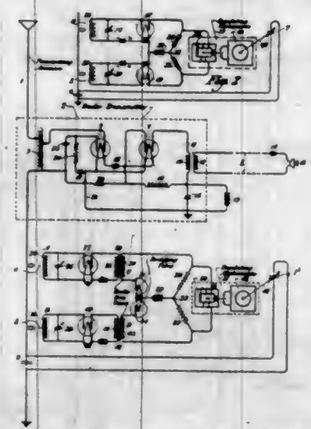
upon the upper face of said actuating leaf and projecting from the hinge end thereof and adapted to limit swinging of the actuating leaf away from the attaching leaf.

1,626,723. BOX-OPERATING MECHANISM FOR LOOMS. WILLIAM CRUTCHLOW, Paterson, N. J., assignor, by mesne assignments, to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1922. Serial No. 608,147. 4 Claims. (Cl. 139—180.)



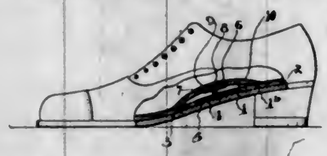
1. In a drop box loom, a plurality of drop boxes, drop box actuating mechanism including a pair of cylinder gears, a plurality of vibrator gears and a plurality of vibrator levers supporting said vibrator gears, a drop box indicator effective to selectively position said vibrator levers in raised or lowered positions and to retain said levers in such selected positions until said indicator is again operated, a regularly driven actuator for said drop box indicator, a plurality of coupling members each normally maintained in withdrawn inoperative position but each movable at any time to position for engagement by said actuator and movable thereby to render said drop box indicator operative to shift a selected vibrator lever, a jacquard mechanism and pattern controlled connections from said jacquard mechanism to said coupling members, whereby any one of said coupling members may be selectively moved at any time into position for engagement by said actuator.

1,626,724. FREQUENCY-CONTROLLING SYSTEM. CHARLES S. DEMAREST, Ridgewood, N. J., and MILTON L. ALMQUIST, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 31, 1923. Serial No. 683,747. 5 Claims. (Cl. 250—17.)



4. In a radio signaling system, the combination with an antenna tuned for a particular frequency, of tuned circuits connected therewith, one of said circuits being resonant above the said particular frequency and the other resonant below the particular frequency, a balanced rectifier circuit having rectifying means individual to the said tuned circuits to rectify the voltages set up in the said tuned circuits, a current responsive device connected differentially with said rectifying means, means controlled by the said responsive means to restore the tuning of the said antenna to its normal frequency.

1,626,725. INSTEP-ARCH SUPPORTER. WILLIAM S. DUFFIELD, Hamilton, Ontario, Canada. Filed Dec. 4, 1925. Serial No. 73,203. 3 Claims. (Cl. 36—71.)

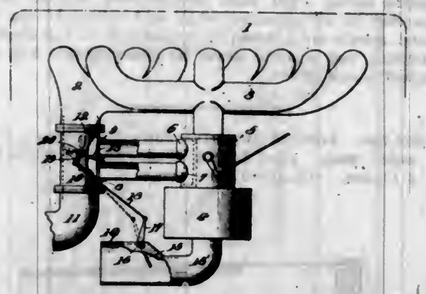


1. An instep arch supporter comprising an insole; a wearing plate carried on the upper surface of the insole; a leather flexible arch member secured at one end to the insole and convexly curved longitudinally and concavely curved tranversely at its middle portion; a nut carried on the underside of the said member; and a screw threaded through the nut and adapted to engage the wearing plate to flex the leather arch member, the said arch member having an opening therethrough for the passage of the screw, the opening being of sufficient diameter to permit adjustment of the latter by a tool.

1,626,726. WEAR-RESISTING ALLOY. BURNHAM E. FIELD, Douglaston, and RUSSELL FRANKS, Elmhurst, N. Y., assignors to Haynes Stellite Company, a Corporation of Indiana. Filed Dec. 24, 1925. Serial No. 77,575. 4 Claims. (Cl. 75—1.)

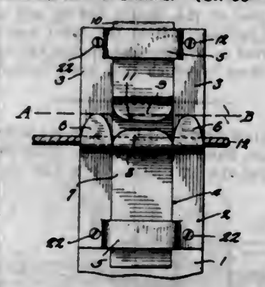
1. A ferrous alloy suitable for making articles subject to abrasion, containing tungsten 1 to 12 per cent; chromium 25 to 35 per cent; boron 0.10 to 1.0 per cent; and carbon 1 to 3.5 per cent.

1,626,727. HEAT CONTROL FOR INTERNAL-COMBUSTION ENGINES. JACOB RICHARD FRANCIS, Flint, Mich. Filed Nov. 18, 1920. Serial No. 424,915. 4 Claims. (Cl. 123—122.)



1. An internal combustion engine having an exhaust pipe, intake manifold and charge forming device connected thereto, a heater arranged to heat the charge in its passage from the charge forming device to the engine in communication with said exhaust pipe through unclosable passages, said charge forming device being provided with an air inlet, a vane mounted to swing within said air inlet, a valve arranged in the exhaust line pipe for controlling the passage of exhaust gases to said heater and an adjustable connection between said vane and said valve controlling the passage of exhaust gases to said heater by the velocity of air entering said charge forming device.

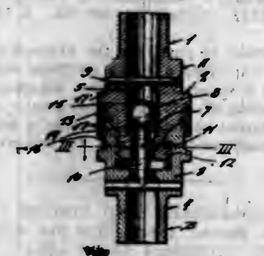
1,626,728. SELF-LOCKING CLOTHESLINE RECEIVER. JERRY S. GREEN, Le Claire, Iowa. Filed Dec. 15, 1926. Serial No. 154,993. 3 Claims. (Cl. 68—12.)



1. In a device of the class described, a prop, a plate, means for mounting the plate slidably for upward and downward movements on the prop, means for limiting the downward movement of the plate, the plate having an upstanding seat and a depending retainer cooperating with the seat to form a line-receiving slot, and there being an upstanding finger carried by the prop and located at one end of the seat when the plate is in its operative position.
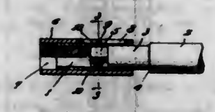
1,626,729. HOSE COUPLING. ALEXANDER H. HANDLAN, Jr., St. Louis, Mo. Filed June 23, 1920. Serial No. 390,988. 1 Claim. (Cl. 283—146.)

A coupling comprising a pair of hollow sections having threaded portions whereby they are coupled together, each of said sections also having an exteriorly threaded portion the threads of which wind spirally in the same direction as those of the first mentioned threaded portions, and a jamb nut screwed onto the exteriorly threaded portions of both sections to lock said sections after they have been coupled together, the pitch of the exteriorly threaded portions being uniform with each other but different from the pitch of the first mentioned threaded portions, one of said sections being provided with an abutment engaged by said jamb nut when the latter is screwed onto both of said sections, and said sections being provided with mating smooth beveled seats



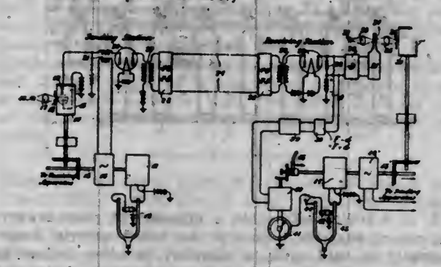
which are forced into engagement with each other in response to a rotary motion of one of the first mentioned threaded portions.

1,626,730. SOCKET WRENCH. HOBART F. HAYNES, Syracuse, N. Y. Filed Feb. 10, 1926. Serial No. 87,386. 1 Claim. (Cl. 81—185.)



A socket wrench comprising a handle having its forward end portion reduced to provide an abutment shoulder and the forward end of the reduced portion further reduced and non-circular in cross section, a tubular socket member fitted upon the non-circular end of said handle and conforming to the contour thereof in cross section, said socket member projecting forwardly from the handle for engagement with a nut to be turned, a pin passed transversely through the socket member and handle and having one end portion projecting from the socket member, and a sleeve slidable longitudinally upon said socket member and the reduced portion of said handle and having its bore conforming to the contour of said socket member and snugly receiving the same, a longitudinally extending slot being formed in said sleeve and receiving the projected end portion of said pin to limit longitudinal sliding of the sleeve.

1,626,731. METHOD OF AND APPARATUS FOR SYNCHRONIZATION IN PICTURE TRANSMISSION. JOSEPH HERMAN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,839. 11 Claims. (Cl. 178—53.)

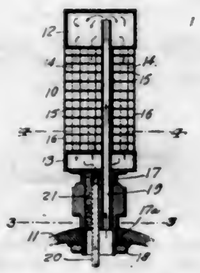


1. The method of synchronizing apparatus at two places between which transmission is effected by modulated carrier current, which consists in determining the speed of the apparatus at both places in accordance with the carrier frequency.

1,626,732. METHOD OF VAPORIZING A GETTER IN AN EVACUATED VESSEL. WILLIAM HENRY TOWNE HOLDEN, New York, N. Y., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 23, 1922. Serial No. 546,203. 3 Claims. (Cl. 176—2.)

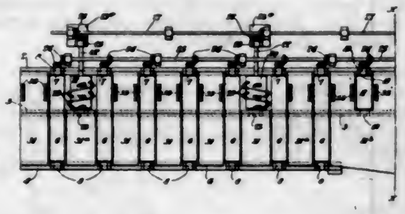
1. The method of purifying the atmosphere in a discharge tube employing a single electrode which consists in depositing a vaporizable chemical substance upon said electrode, sealing-off said tube, disposing a supplemental electrode adjacent thereto and passing a high-frequency current through said electrodes to vaporize said substance.

1,626,733. CONDENSER AND COOLER. HARVEY F. HOLLISTER, Spencer, Iowa. Filed Feb. 4, 1924. Serial No. 690,465. 2 Claims. (Cl. 257—25.)



1. A condenser for radiators, comprising a radiator cap provided with an opening, a casing having an upper and lower chamber, a tubular portion secured to the lower end of the casing and adapted to pass through said opening in the cap, condensing means interposed between said chambers and communicating therewith, a tube for each of said chambers extending downwardly through said tubular portion and packing within the tubular portion and surrounding said tubes.

1,626,734. ROLLING-MILL TABLE. LEONARD E. HUNT, Duquesne, Pa. Filed May 15, 1926. Serial No. 109,311. 8 Claims. (Cl. 80—48.)



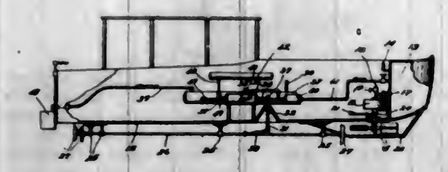
5. In a rolling mill table, a plurality of plain conveying rollers adapted to convey the rolled material longitudinally of said table, a plurality of other rollers at spaced intervals along said table, a plurality of elevated rests at spaced intervals along said table, a pair of spiral flanges on each of said last named rollers and extending partly around said rollers, said spiral flanges being overlapped, and one of said flanges being adapted to engage and move the rolled material transversely onto said rests and the other of said flanges being adapted to engage and move the rolled material from said rests, some of said second named rollers having right hand spirals and the other of said rollers having left hand spirals, and said rollers having right hand spirals being adapted to be revolved in one direction while said rollers having left hand spirals are adapted to be revolved in the opposite direction, and separate means for revolving said first and second named rollers.

1,626,735. POSTER BOARD. JOHN T. JACKSON, Coldwater, Mich. Filed June 8, 1926. Serial No. 114,500. 3 Claims. (Cl. 40—125.)



1. A poster board comprising a frame including battens, metal sheets having edge portions bent at a right angle to form flanges which are disposed to abut and engage the side of a batten to which the abutting flanges are attached, one of the flanges having end portions cut and extended outwardly from the sheet substantially in the plane thereof to overlap and engage the outer side of the adjacent sheet to which they are attached.

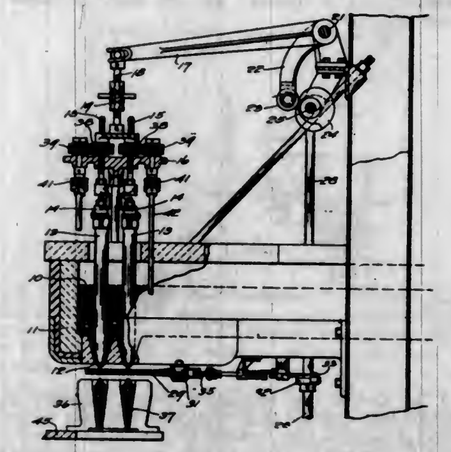
1,626,736. BOAT-PROPELLING MECHANISM. GEORGE W. JOHNSTON, Sand Springs, Okla. Filed Sept. 9, 1926. Serial No. 134,414. 7 Claims. (Cl. 115—31.)



1. Boat propelling means comprising reciprocating propeller members, duplex air motors for actuating said propeller members, a compressed air tank for maintaining a compressed air supply for said motors, an air pump or compressor connected with said tank, and current actuated means for operating said air pump or compressor.

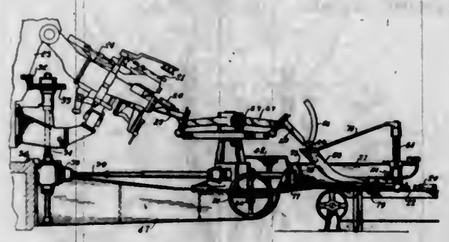
1,626,737. MEANS FOR FORMING CHARGES OF MOLTEN GLASS. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 30, 1921. Serial No. 504,278. 14 Claims. (Cl. 49—5.)

8. The combination of a container for molten glass, having a plurality of outlet openings through which the glass issues simultaneously to form a plurality of charges, regulating means by which the issuance of glass through each outlet opening is independently controlled, whereby



the relative sizes of the charges of glass issuing from the respective outlets may vary, and means below the outlets to sever the plurality of charges of glass.

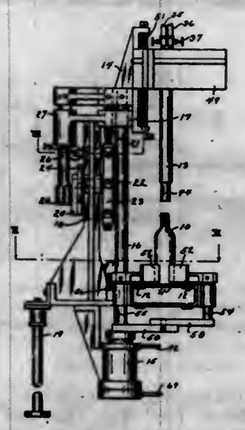
1,626,738. CONVEYING APPARATUS. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 22, 1924. Serial No. 708,171. Renewed Feb. 7, 1927. 10 Claims. (Cl. 49—1.)



3. The combination of a machine for forming glass articles comprising a mold carriage, molds thereon operable to discharge articles during the travel of the molds, transfer mechanism comprising a carrier, automatic means to move said carrier and cause it to travel in register with the molds during the discharge of said articles and then move away from the mold carriage, and mechanism to actuate said carrier to discharge the articles therefrom.

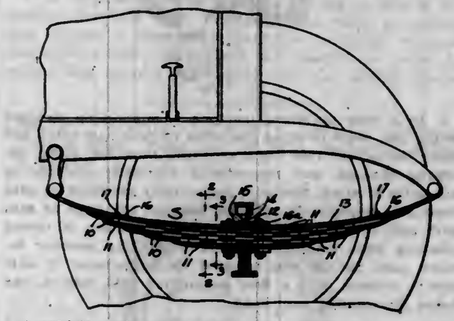
1,626,739. METHOD AND APPARATUS FOR FIRE-FINISHING GLASS ARTICLES. JOHN MURL LENTS and FRANK R. MILLER, Evansville, Ind., assignors to Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Mar. 26, 1924. Serial No. 701,953. 35 Claims. (Cl. 49—57.)

1. In fire finishing apparatus, the combination of a burner constructed to project an annular flame, means for bringing glass articles having circular open ends successively into operative relation to the burner and causing the annular flame to be projected against said open



ends, and a pair of gripping jaws periodically operable to grip the articles while said flame is being projected against the open ends.

1,626,740. SELF-LUBRICATING SPRING. JOSEPH BLAIR LEIGHTON, Los Angeles, Calif. Filed Feb. 4, 1925. Serial No. 6,801. 1 Claim. (Cl. 267—50.)

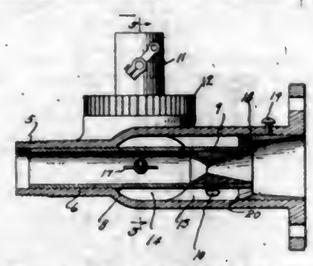


A vehicle spring comprising a plurality of superimposed leaves, each of the intermediate leaves of which is provided with a plurality of spaced apart and longitudinally alined slots extending substantially the entire length of and through the thickness of the leaves, the slots of one leaf being arranged in staggered relation to the slots of adjacent leaves and of such length that the ends of the slots of adjacent leaves overlap so as to provide communicating pockets throughout substantially the entire length of the leaves, and an oil inlet in one of the exterior leaves communicating with one of said pockets and through which oil is adapted to be supplied to all of the pockets whereby when the spring is flexed the oil will be distributed to the coacting surfaces of the leaves.

1,626,741. MIXING DEVICE. MYRON B. LLOYD, Detroit, Mich. Filed Feb. 9, 1924. Serial No. 691,697. 5 Claims. (Cl. 48—180.)

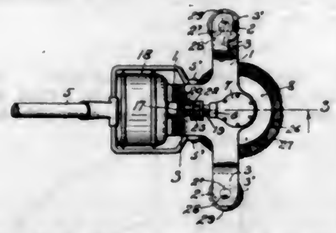
1. A mixing device for the purposes described comprising a casing having a fuel inlet tube therein through which an over rich mixture of gasoline and air is adapted to be drawn, a venturi adjustably mounted in the discharge end of the tube, the casing being formed to provide a chamber about the discharge end of the tube, an air inlet tube opening into the chamber, a venturi adjustably mounted in the chamber about the discharge end

of the fuel inlet tube and providing an annular space between the fuel inlet tube and the air inlet tube, a rotatable shaft extending through the fuel inlet and air inlet



tubes, a butterfly valve within each tube secured to the shaft, an arm for turning the shaft to open or close both tubes simultaneously, and a separate manually operated butterfly valve in the air inlet tube.

1,626,742. FLOOR-POLISHING MACHINE. EDNA EARL LOCKWOOD, Kansas City, Mo. Filed Jan. 18, 1926. Serial No. 82,016. 2 Claims. (Cl. 15—98.)



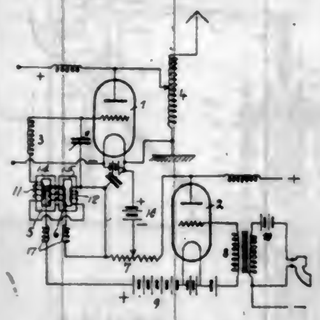
1. In a floor polishing machine, a supporting member having two pairs of arms, the arms of each pair being one above the other, two casters having threaded stems extending through and respectively vertically slidable in said pairs of arms, two nuts respectively mounted on said stems and respectively mounted between the arms of said pairs and supporting said supporting member, a rotary polishing head mounted on said supporting member between said casters and adapted by adjustment of said nuts to contact with a floor supporting said casters, and means for rotating said head.

1,626,743. CONE LOUD-SPEAKER DIAPHRAGM. WILLIAM H. MARTIN, Chappaqua, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 21, 1925. Serial No. 10,928. 6 Claims. (Cl. 181—32.)



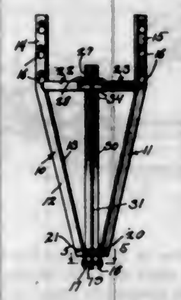
1. A loud speaking telephone receiver diaphragm comprising a substantially conical portion and a divided frusto-conical portion, said two portions being integrally formed.

1,626,744. VACUUM-TUBE RADIOTRANSMITTER. GERHARD MESSTORFF, Spandau, near Berlin, Germany, assignor to the Firm: Dr. Erich F. Huth G m. b. H., Berlin, Germany. Filed Nov. 23, 1923, Serial No. 676,582, and in Germany Apr. 26, 1923. 4 Claims. (Cl. 179—171.)



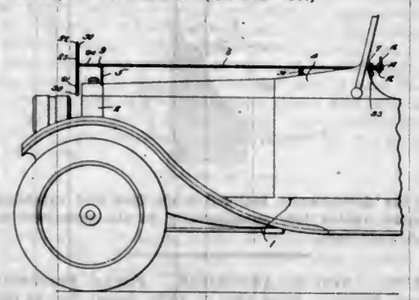
1. An electron tube transmitter circuit comprising an electron tube arranged to generate high frequency oscillations, an electron tube arranged to modulate the oscillations thus generated, grid, filament and plate electrodes for each of said tubes, input and output circuits interconnecting said electrodes, an iron cored inductively coupled system interlinking the output circuit of said second mentioned electron tube with the input circuit of said first mentioned electron tube and means in circuit with said second mentioned electron tube for controlling the operating potential of the grid electrode of said first mentioned tube simultaneously with a change in condition of said iron cored inductively coupled system.

1,626,745. SCAFFOLD BRACKET. ALEXANDER E. METZ, Teaneck, N. J. Filed July 16, 1926. Serial No. 123,001. 2 Claims. (Cl. 304—33.)



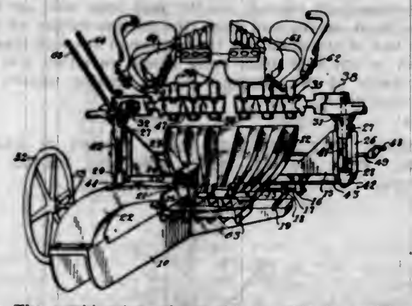
2. A scaffold structure of the character described, comprising a hanger element, a pair of forwardly extending and converging scaffold supporting arms each pivotally secured at one end to said hanger element, each of said arms having an inwardly directed flange extending throughout the length of the same, a bridge plate pivotally connecting the convergent forward ends of said arms, a brace leg pivotally secured at one end adjacent the lower portion of said hanger element and projecting upwardly between said arms with the upper end thereof in overlying relation to said bridge plate, a pin member projecting laterally from each side of said brace leg adjacent the upper end thereof and a sleeve surrounding each end of said pin and engaging beneath the flange of an adjacent scaffold supporting arm.

1,626,746. ATTACHMENT FOR AUTOS. ERWIN HARRIS OAKMAN, Atlanta, Ga. Filed Nov. 17, 1925. Serial No. 69,639. 9 Claims. (Cl. 116—47.)



1. In an automobile direction signal: a vehicle including a front wall, a rigid tubular guard mounted horizontally on the vehicle and extending through the wall, a shaft supported for rotation in the guard and a handle on the rear end of the shaft by which it is rotated, a tubular indicator carrying a light, the intermediate portion of the indicator having a rectangular tubular extension connecting with the end of the guard to form a conduit for wires, the extension being secured to the shaft to turn with the shaft and a keeper attached to the rear end of the guard, the handle cooperating with the keeper when desired to hold the indicator in adjusted positions.

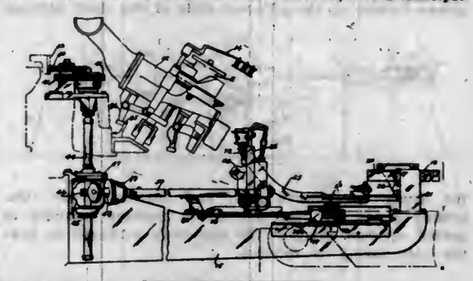
1,626,747. APPARATUS FOR GUIDING AND CONVEYING HOT GLASSWARE. MICHAEL J. OWENS, deceased, Toledo, Ohio, by John H. McNerney, James C. Blair, and Hazel O. Beesch, administrators, Toledo, Ohio, assignors to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 22, 1924. Serial No. 701,056. 17 Claims. (Cl. 198—30.)



6. The combination of a mold, a guide in position to receive and guide an article discharged from the mold, and manually operated means for inverting said guide to dislodge an article therefrom.

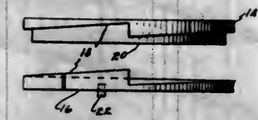
1,626,748. BOTTLE-TRANSFER MECHANISM. MICHAEL J. OWENS, deceased, Toledo, Ohio, by Hazel O. Beesch, James C. Blair, and John H. McNerney, administrators, Toledo, Ohio, assignors to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 20, 1924. Serial No. 738,777. 13 Claims. (Cl. 49—14.)

13. The combination with a glass forming machine comprising a continuously rotating mold carriage, groups of molds thereon each constructed to deliver a group of articles at a discharging station in a plurality of successive steps while the mold group is passing said station, of article receiving apparatus comprising a plurality of stationary holders individual to the articles of said group and arranged to receive the articles as they are delivered from the machine, means for simultaneously releasing all the articles from said holders, and a multiple



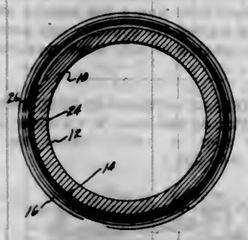
chute to receive the articles from the holders comprising means to keep the articles separated in their passage along the chute.

1,626,749. PISTON PACKING. JOHN F. PANYARD, Detroit, Mich. Filed Aug. 28, 1925. Serial No. 53,018. 9 Claims. (Cl. 74—109.)



1. In piston packing, a piston having a groove for packing provided with a helical side wall, a packing ring having a meeting helical face rotatably mounted therein and held under rotatable pressure to wedge its helical face against the helical side wall of the groove.

1,626,750. PISTON PACKING. JOHN F. PANYARD, Detroit, Mich. Filed Aug. 28, 1925. Serial No. 53,019. 8 Claims. (Cl. 74—109.)

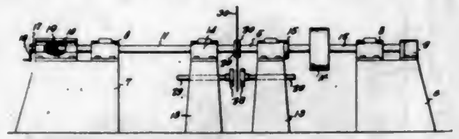


1. In a piston packing, a piston having a groove for packing, a split expansible ring section approximately the width of the groove seated in the bottom thereof, a second ring section of approximately the width of the groove seated therein superimposing the first ring section, said sections having helical meeting faces whereby rotation of one section in a given direction wedges the combined packing axially against the side walls of the groove, means engaging one of said sections to exert rotatable pressure thereon to wedge the sections axially within the groove, said other section so mounted within said groove as to resist rotation therein.

1,626,751. MACHINE FOR STRAIGHTENING SAWS. LOUIS PAES, Vancouver, British Columbia, Canada. Filed Apr. 10, 1925. Serial No. 22,163. 3 Claims. (Cl. 76—25.)

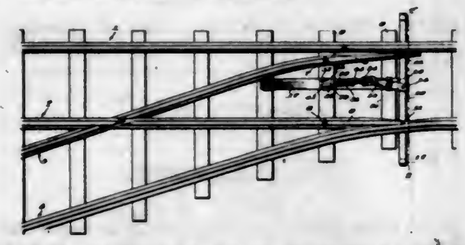
1. A device of the character described comprising a shaft formed of two complementary sections, means for rotatably supporting the sections in alignment, a saw

engaging member movably mounted in one of the shaft sections engageable with a recess formed in the adjacent sections so as to prevent displacement of a saw, means formed on the adjacent ends of the shaft sections



for firmly engaging a saw, and heating means comprising a pair of heat generating members mounted in spaced relation adjacent the saw body arranged to heat the body during its rotation.

1,626,752. RAILROAD SWITCH. BENJAMIN H. PATRICK, Mount Gay, W. Va. Filed Oct 19, 1926. Serial No. 142,681. 5 Claims. (Cl. 246—318.)



3. The combination with a pair of horizontally swingable pivoted switch points, of a cross bar connected with the free end portions of said switch points, a lever fulcrumed intermediate its ends and swingable horizontally between said switch points and pivotally connected at one end with said cross bar, a fixed supporting member having an upturned arm provided with a horisontal opening, and a spring pressed lever actuating member comprising a section pivotally connected with the second end portion of said lever and a rod secured at one end to said section and having its opposite end portion slidably disposed in the opening of said fixed supporting member.

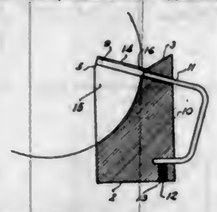
1,626,753. MUSICAL STRING-INSTRUMENT TUNER. RUDOLPH F. PECINA and ERIC V. CARLSON, Los Angeles, Calif. Filed Sept. 8, 1925. Serial No. 55,090. 9 Claims. (Cl. 84—297.)



1. In combination with a stringed musical instrument, a tuning device including means for engaging and holding the strings of the instrument in tuned tension, and a push rod independent of said engaging and holding means adapted for relaxing said engaging and holding means.

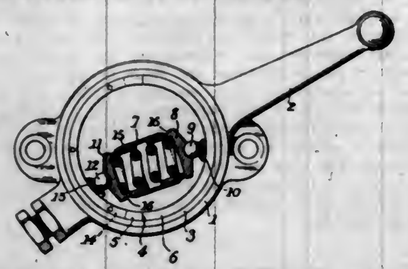
1,626,754. DENTIST'S ANVIL. JOSEPH S. PECKER, Philadelphia, Pa., assignor, by mesne assignments, to Dixie Dental Manufacturing Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1924. Serial No. 698,179. 3 Claims. (Cl. 113—39.)

1. An anvil having a downwardly inclined work face, an upwardly inclined work face at the inner end of the first mentioned work face, and a downwardly inclined drilled face at the outer end of the first mentioned work face and disposed at right angles thereto, there being a pin hole drilled at right angles to said drilled face through the anvil with its axis parallel with the first mentioned work face, and a slot connecting the pin hole



with the downwardly inclined work face and extending from the drilled face substantially to the upwardly inclined work face.

1,626,755. SHOCK ABSORBER. PIERRE PESTOURIE, Paris, France. Filed Dec. 7, 1925, Serial No. 73,795, and in France Dec. 17, 1924. 5 Claims. (Cl. 267—9.)



1. In a shock absorber for vehicle suspensions, the combination of a hub, a drum adapted to revolve on the said hub, the said two organs being adapted to be respectively connected to the vehicle frame and to one of the suspension parts of the vehicle, a shoe disposed within the said drum and adapted to rub on the inner wall of the latter, an elastic organ disposed within the said drum and bearing, on the said shoe and, on the other hand, on the said drum, the friction surface of the shoe and of the drum and the bearing of the said elastic organ on the said drum being placed on either side of the center of the curvature of the friction surface of the said drum.

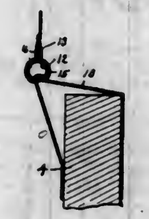
1,626,756. TOY TRUNDLE. ROCCO RECATTI, St. Louis, Mo. Filed Jan. 31, 1927. Serial No. 164,702. 3 Claims. (Cl. 46—45.)



2. The combination, with a frame, a ground engaging wheel journaled in the frame, oppositely disposed

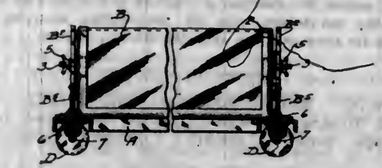
cranks mounted on said wheel, and a jointed figure comprising movable thighs and legs mounted on the frame and having said legs pivoted to said cranks, of said figure having a recess medially its upper part, a shaft journaled transversely in said figure and adapted to extend through said recess, a head portion positioned in said recess and adapted to rotate with said shaft, an arm journaled on said shaft on one side of said figure, an arm mounted on and adapted to rotate with said shaft on the other side of the figure, and arcuate links pivoted to said arms and to said thighs, for the purpose as described.

1,626,757. DOOR AND CURTAIN. FREDERICK D. RITTER, Corunna, Mich., assignor to Weatherproof Body Corporation, Corunna, Mich., a Corporation of Michigan. Filed Nov. 9, 1925. Serial No. 67,839. 2 Claims. (Cl. 296—140.)



1. In a door construction, vertical sides of a door casing having upright grooves, a flexible curtain slidable in said grooves, and a door hinged in the casing below the curtain and having its upper edge sloping downwardly outwardly and positioned so that the curtain may rest thereon, the lower edge of said curtain being formed with a weatherstrip of material so yieldable as to permit the door to pass below the curtain without injuring the weatherstrip when the curtain is in its lowest position.

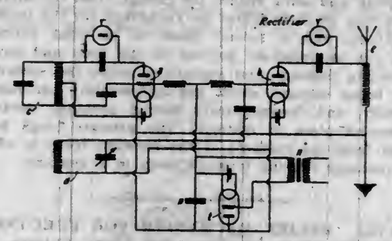
1,626,758. WINDSHIELD. EDWARD W. SAUNDERS, St. Louis, Mo. Filed Dec. 15, 1924. Serial No. 755,977. 7 Claims. (Cl. 296—86.)



5. A wind shield, comprising a supporting structure, a protecting member pivotally mounted on said supporting structure, a spring housing on said supporting structure, a piston in said spring housing, a flexible element connected to said piston and to said protecting member, a guide on the supporting structure over which said flexible device passes, a spring that acts on said piston and exerts pressure on said protecting member in a direction tending to swing it rearwardly, and an adjustable stop for determining the position of said protecting member.

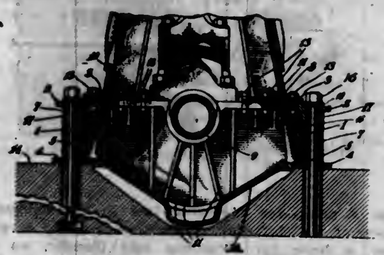
1,626,759. ARRANGEMENT FOR CONTROLLING TUBE SENDERS. ALFRED SEMM and WALTER SCHAFFER, Berlin, Germany, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany, and Radio Corporation of America, a Corporation of Delaware. Filed Feb. 16, 1925, Serial No. 9,549, and in Germany Dec. 5, 1923. 5 Claims. (Cl. 179—171.)

1. An arrangement for wireless telegraphy and telephony comprising a self-excited controlling tube and a separately excited controlled tube for transmitting, a modulating means adapted to simultaneously control the grid circuit of each tube, a branch circuit common to the grid circuit of each of said tubes, said modulating



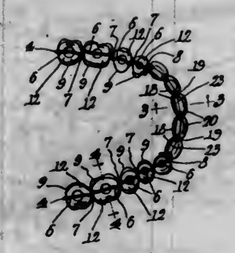
means being contained in said branch circuit, and means in the grid circuit of each tube for blocking the grids against one another with respect to high frequency currents.

1,626,760. ENGINE BEDPLATE. RUDOLPH SCHNEIDER, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Co., St. Louis, Mo., a Corporation of Missouri. Filed Apr. 19, 1921. Serial No. 462,754. 1 Claim. (Cl. 121—194.)



A double function bed plate for vertical internal combustion engines comprising longitudinal and transverse cross-girder members and bolt sockets, closed at their tops, connecting upper and lower flanges of each longitudinal girder member, whereby the bed plate may be adapted to structural steel foundations by forming holes in the lower flanges of the longitudinal girder members or may be adapted to masonry foundations by opening the closed tops of said bolt sockets.

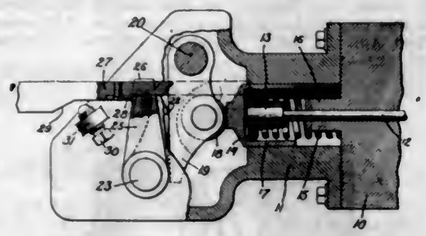
1,626,761. DENTURE. BAXTER CLAUDIUS SCOTT, Pickens, Miss. Filed Nov. 9, 1926. Serial No. 147,350. 4 Claims. (Cl. 32—4.)



1. In a device of the class described, an anchor embodying a single piece of material formed into a curved body comprising side members and an intermediate portion, the side members being reversely extended to form forwardly prolonged portions, the forwardly prolonged portions being fashioned into alternating main and auxiliary

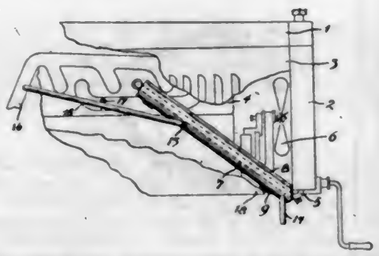
loops the auxiliary loops being engaged about the side members, rear teeth having openings through which the side members pass, the main loops extending about the rear teeth and being spaced far enough from the surfaces of the rear teeth to afford an anchorage for the teeth in a denture, and a second piece of material extended along the intermediate portion of the body and having alternating primary and secondary loops, the secondary loops being engaged about the intermediate portions of the body, and forward teeth having openings receiving the second piece of material, the primary loops being spaced from the surfaces of the forward teeth to afford an anchorage for the forward teeth in a denture.

1,626,762. RELIEF MECHANISM FOR FUEL-INJECTION SYSTEMS. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Continuation of application Serial No. 240,706, filed Jan. 18, 1918. This application filed Aug. 15, 1921. Serial No. 492,596. 5 Claims. (Cl. 123—140.)



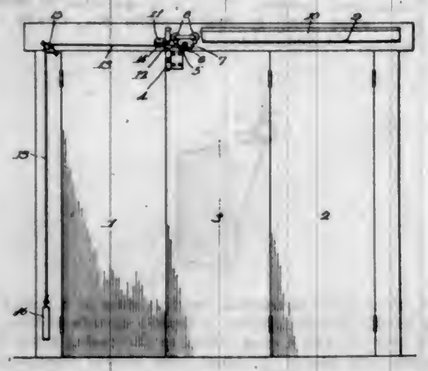
1. In a pump for supplying fuel to the combustion chamber of an internal combustion engine, a pump plunger, a lever for actuating said plunger, an arm engaging said lever, a second arm associated with the first arm, a reciprocating rod actuated by the moving parts of the engine and normally engaging said second arm to rotate the arm and through the first arm and lever actuate the pump plunger, means for disengaging said rod from said second arm as the pump plunger approaches the end of its working stroke and a spring for quickly withdrawing said plunger to relieve the injection pressure when said rod is disengaged from said second arm.

1,626,763. ANTIFREEZING DEVICE. JAMES F. STRUBLE, Hutchinson, Kans. Filed Feb. 28, 1924. Serial No. 695,704. 1 Claim. (Cl. 123—174.)



An anti-freezing device for the return pipe of the water circulation system of an internal combustion engine, comprising a casing of a cross section and length to enclose and jacket the full length of the return pipe from the radiator to the engine, said casing composed of separable sections, and means to secure the sections together about the pipe to be wholly supported thereby, said casing having an inlet and an outlet pipe for connection with the exhaust manifold of the engine and the atmosphere respectively, and a valve in connection with one of the pipes.

1,626,764. FOLDING DOOR. LAWRENCE C. THORNE, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a Corporation of Illinois. Filed Apr. 8, 1925. Serial No. 21,455. 7 Claims. (Cl. 20—20.)



1. The combination of door sections hinged together to fold back at one side of the doorway, one section being hinged at the said one side of the doorway, a double swivel hanger to support another section of the folding door thus provided, a flexible connection extending to said hanger, having one end attached thereto, and adapted to control said double swivel, to close the folding door, and means for exerting a pull on the other end of said flexible connection, whereby the folding door is pulled from its open position into its closed position.

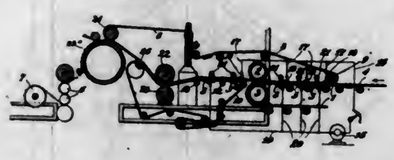
1,626,765. ROLLER-BEARING CAR WHEEL. JAMES M. TOOMBS, Jr., Webster Groves, Mo. Filed July 31, 1924. Serial No. 729,375. 2 Claims. (Cl. 308—180.)



1. In a device of the class described the combination of an axle, a wheel body, anti-friction bearing means supporting the wheel body on the axle including an adjustable part at the outer side of the wheel body portion slidable along the axle whereby to take up wear on bearing surfaces, a sectional "mock" journal box, means for clamping the sections of the "mock" journal box to the axle outwardly of the wheel body and against the adjustable part of said anti-friction bearing means, and

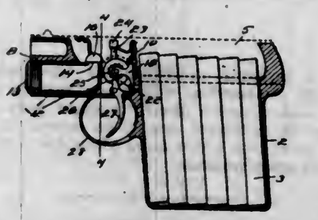
a nut adjustable on the outer end of said axle and operable against the sections of said "mock" journal box to cause movement of the latter along the axle to move the adjustable bearing part above mentioned.

1,626,766. METHOD AND APPARATUS FOR TREATING FIBROUS MATERIALS. JOHN D. TOMPKINS, Valatie, N. Y. Filed Mar. 6, 1926. Serial No. 92,676. 13 Claims. (Cl. 34—48.)



1. The process of treating fibrous sheet material which comprises subjecting the same to the combined action of an electric current and a current of air passing through said material.

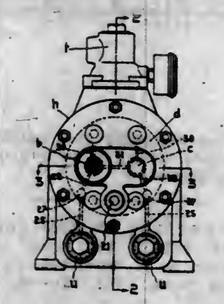
1,626,767. COMBINED CIGARETTE HOLDER AND LIGHTER. GERVASIO B. VILLANUEVA, Tondo, Manila, P. I. Filed Dec. 19, 1924. Serial No. 756,951. 1 Claim. (Cl. 67—7.1.)



A device of the class described, comprising a casing open at its top, a tank removably supported therein, said tank having an opening in the top thereof, an inflammable member disposed in the tank and having a portion thereof extending through the opening, means for igniting the inflammable member comprising a shaft extending transversely through the casing, a striker wheel carried by the intermediate portion of the shaft, a pyrophoric member supported in the casing and adapted for engagement with the striker wheel, a ratchet wheel on said shaft on one side of the striker wheel, a manually actuated trigger pivotally supported in the casing and having one end thereof extending outwardly of the casing, a pawl associated with the other end of the trigger for engagement with the ratchet wheel to rotate the shaft and the striker wheel, a coil spring associated with the shaft on the opposite side of the striker wheel, a winding key on the outer end of said shaft, a cover for the open top of the casing, and an auxiliary cover carried thereby adapted to extend over the portion of the inflammable member protruding from the opening in the tank when the first mentioned cover is positioned over the top of the casing.

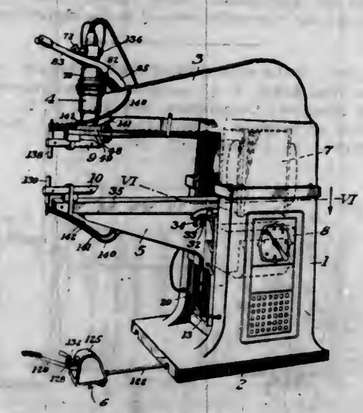
1,626,768. ROTARY COMPRESSOR. CARL W. VOLLMANN, Montreal, Quebec, Canada. Filed Mar. 8, 1926. Serial No. 93,184. 3 Claims. (Cl. 230—30.)

1. A rotary gas compressor comprising a cylinder having an inlet for the gas to be compressed, a cylindrical oil chamber within the cylinder and containing rotary gas compressing members; a shallow horizontal oil chamber between the bottom of the cylindrical oil chamber and the base of the cylinder; and a vertical gas and oil passage between the inner end of the cylindrical oil chamber and the corresponding end of the cylinder; the oil chamber in the base having an oil intake, the top of the passage having a gas discharge fitting, and the inner wall of the cylindrical oil chamber having a gas discharge port and a port effecting communication between the oil



chambers and constituting therewith a closed circuit within the cylinder and including the said oil chamber and all friction surfaces, a duplex initial oil connection between the oil chamber in the base and the oil containing spaces within the compressor.

1,626,769. ELECTRICAL WELDING APPARATUS. EDMUND J. VON HENKE, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 18, 1922. Serial No. 560,743. 18 Claims. (Cl. 219—4.)

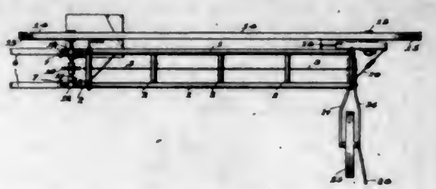


1. In a welding machine, the combination of a horn, a head carried thereby, a reciprocable member in said head, an electrode carried by said head, a spring between said member and electrode through which the electrode is operable by said member, and means for rotating said reciprocable member to render said spring operatively ineffective, substantially as described.

1,626,770. BUTT-CUTTING MACHINE. HOMER F. WALKER, Beaumont, Tex. Filed Dec. 18, 1925. Serial No. 76,291. 1 Claim. (Cl. 146—88.)

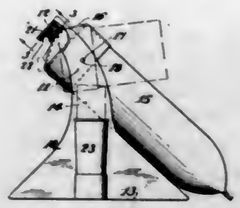
In a butt cutting machine, a driving pulley and follower, an endless cutting blade mounted on the pulley and follower, and means for securing horizontal and

lateral adjustment for the cutting blade, consisting of an adjustable bearing on the follower, and an adjustment



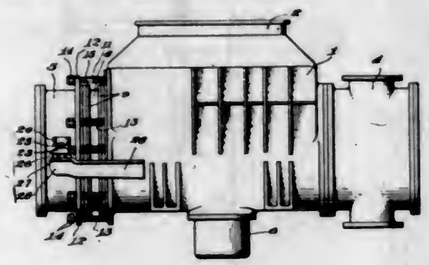
rod extending from the pulley to a suitable element on the machine, whereby the driving pulley and follower may be brought into alignment.

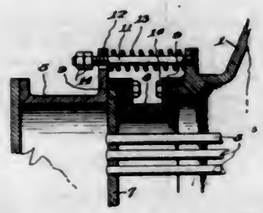
1,626,771. HOLDER FOR SHAVING-CREAM TUBES, TOOTH-PASTE TUBES, AND THE LIKE. FRANK WOLF, New York, N. Y. Filed Feb. 20, 1925. Serial No. 10,450. 4 Claims. (Cl. 221—60.)



1. In a holder for collapsible tubes, a supporting stand, a tube retaining cap member pivotally mounted thereon, a threaded socket in said member adapted to receive the tube outlet screw threads, and a closure means for the tube outlet secured to the supporting stand.

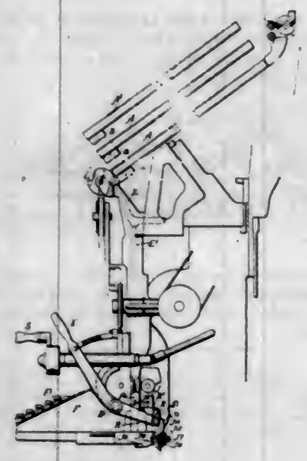
1,626,772. SURFACE CONDENSER. EUCLID P. WORDEN, Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 3, 1926. Serial No. 126,790. 21 Claims. (Cl. 257—43.)





1. In a surface condenser, a shell, a water box, a tube head carried thereby, a flexible connection between the water box and shell, and atmospheric pressure sustaining means between said water box and shell.

1,626,773. TYPOGRAPHICAL MACHINE. WILLIAM ACKERMAN, Towners, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 5, 1925. Serial No. 54,670. 17 Claims. (Cl. 199—18.)



1. In a keyboard mechanism for typographical machines, the combination of a finger key, an actuating member, and a device directly engaged with both the finger key and actuating member for operatively connecting said parts, said device being adjustable to break such connection when required.

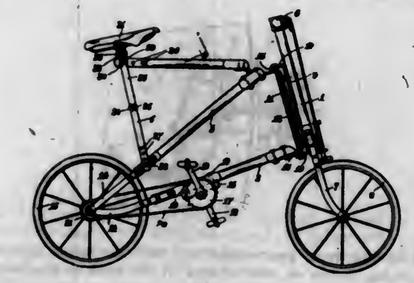
1,626,774. METHOD OF WELDING AND PRODUCT THEREOF. WILLIAM G. ALLAN, Toronto, Ontario, Canada, assignor, by mesne assignments, to Farley G. Clark. Filed Feb. 3, 1920, Serial No. 355,988. Renewed Feb. 8, 1927. 36 Claims. (Cl. 219—10.)



1. The method of providing sheet-like foraminous metal with stiffening means which comprises fusing a marginal portion of said material, said fused portion forming a stiffening border.

1,626,775. FRAME FOR BICYCLES. HENRI GERARD APPELIAN and JULES JOSEPH VANHOREN, London, England, assignors of one-half to Robert James Walker, Leicester, England. Filed Nov. 28, 1925. Serial No. 71,997, and in Great Britain Dec. 3, 1924. 6 Claims. (Cl. 208—113.)

1. A bicycle comprising wheels, a saddle, steering means and a supporting frame, said frame embodying a main frame member, auxiliary frame members beneath said main member adapted together with said main member to support the wheels and the steering means, a pair of saddle supporting frame members above said main frame member, said saddle supporting members being interconnected and also each separately connected with the main member, the connections between said saddle supporting members and between said saddle supporting members and the main member being adjustable in con-



junction with one another to vary the position of the saddle with regard to the handle bars and with regard to the ground.

1,626,776. ELECTRICAL CONDUCTOR WITH REENFORCING CORE. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed June 25, 1924. Serial No. 722,203. 6 Claims. (Cl. 173—13.)



1. In combination a conductor comprising separate longitudinally extending portions for providing high strength and high electrical conductivity respectively, and a detached openwork layer of protective material interposing between said portions to minimize electrolytic action between the material of said portions and to space said portions apart.

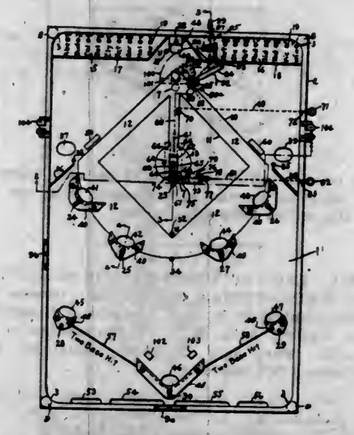
1,626,777. HIGH-POTENTIAL CONDUCTOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed June 26, 1924. Serial No. 722,440. 6 Claims. (Cl. 173—13.)



1. In an electrical transmission line for high potentials a current carrying conductor having portions disposed along the length thereof and projecting beyond the main contour of said conductor, said projecting portions being electrically connected with the main body of said conductor and covered with dielectric material to reduce corona loss in said conductor.

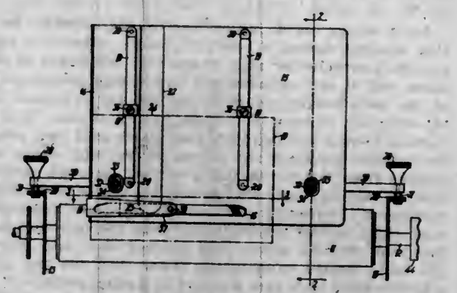
1,626,778. MECHANICAL TOY BASEBALL. LEONARD CHARLES BARKER, Edgewater, N. J. Filed Oct. 5, 1926. Serial No. 139,699. 6 Claims. (Cl. 273—89.)

1. In a base ball apparatus of the character described, the combination with a playing field surrounded by a wall or fence, of a multiple of oval pockets in spaced relation with each other representative of players positions and other pockets for fouls and three base hits, each of the said pockets representing players positions having a guiding beveled framework directing the ball into said pockets, mechanically operable means controlling the speed of and



directing a ball to roll at speeds variable at will by the operator, towards the batter and spring operable, manually set and releasable means for batting the rolling ball.

1,626,779. TYPEWRITING MACHINE. FRED BECKER, Buffalo, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 13, 1924. Serial No. 755,629. 8 Claims. (Cl. 197—135.)



1. In a typewriting machine, the combination with a platen-frame and a platen, of an upright table mounted on the delivery side of said platen, work-piece-holding means on said table, two vertical guide-strips mounted on said table and spaced a short distance forwardly therefrom, gage blocks having slots for movable engaging about said guide-strips, and means for adjustably holding said gage-blocks on said guide-strips, said slots being arranged for disposing a portion of said blocks below said strips, whereby a work-piece abutted against said blocks cannot slip between them and said guide-strips.

1,626,780. ROOFING CLIP. WILLIAM G. BICKELL, Pittsburgh, Pa., assignor of one-half to George A. Belding, Pittsburgh, Pa. Filed Mar. 23, 1925. Serial No. 17,540. 3 Claims. (Cl. 108—33.)

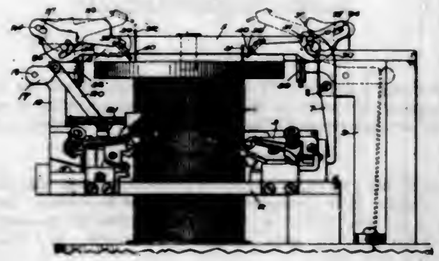
3. A reversible shingle securing means comprising an unbroken sheet metal body having portions thereof offset from each other and located in different planes to form

a similar pair of shingle receiving recesses defined by unbroken side walls, the side walls of each recess merging into each other and being disposed angularly with



respect to each other, and each of the side walls of one recess being in substantial alignment with one of the side walls of the remaining recess.

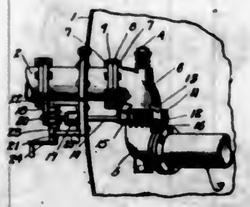
1,626,781. YARN OR THREAD FEEDING MECHANISM FOR SPRING-NEEDLE MACHINES. GEORGE P. BOSWORTH, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 578,103. 10 Claims. (Cl. 66—43.)



10. A spring beard, independent needle, circular, knitting machine having a rotatable needle cylinder, a substantially semicircular ring transversely positioned at the upper end of said cylinder and terminating substantially at the yarn feeding points in opposed vertical faces for the reception of yarn guides and having at each of said vertical faces a movable yarn guide, each said yarn guide having near its outer end a longitudinal slot, a pin extending from the corresponding vertical face and passing through said slot, each said yarn guide having an inclined transversely extending slot between its inner and outer ends and a second pin extending from the corresponding face and received within said inclined slot, said second pin being located substantially lower than the first pin, whereby when each yarn guide is in feeding position, it is supported in a downwardly inclined position with said second pin at the upper end of the inclined slot, and the pivotal pin at the outer end of the first mentioned slot, and whereby, when each yarn guide is lifted into inoperative position, the upper end of said inclined slot remains below the level of the said pivotal pin, thereby limiting the upward movement of each yarn guide.

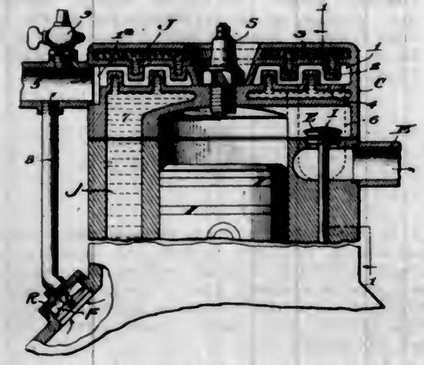
1,626,782. SWING-PIPE MECHANISM. STEPHEN H. BROOKS, Cleveland, Ohio, assignor to The Oil Conservation Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 10, 1924. Serial No. 712,489. 2 Claims. (Cl. 285—104.)

1. In combination with a tank, a substantially horizontal line pipe extending to the interior of the tank near the bottom thereof and having a laterally directed right angle turn at its inner end provided with a seat portion, an elongated swing pipe within the tank having a laterally directed right angle turn at its lower end provided with a seat portion, the other end of said elongated pipe being free, means yieldingly retaining said seat portions in co-operative relation to support said elongated pipe at its lower end, a shaft extending through the tank



and having worm gear connection with the swing pipe and operating means on the exterior of the tank having worm gear connection with the shaft to rotate the swing pipe.

1,626,783. THERMAL GASIFYING MOTOR CONSTRUCTION. GEORGE J. BURNS, Youngstown, Ohio. Filed Jan. 30, 1922. Serial No. 532,923. 1 Claim. (Cl. 123—122.)



A removable vaporizing head for internal combustion engines having inlet and outlet openings at opposite sides thereof, and the said head consisting of an intermediate tortuous hollow wall portion establishing communication between said openings, and said tortuous wall portion being surrounded with water receiving spaces whereby when the head is fitted to the motor bloc water from the water jacket thereof will circulate about said tortuous wall.

1,626,784. RUBBER-DETERIORATION RETARDER AND PROCESS OF MAKING. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed Sept. 23, 1924. Serial No. 739,348. 32 Claims. (Cl. 260—130.)

1. The process of making a deterioration retarder for rubber, which comprises combining acetaldehyde and an aromatic amine in a hydrochloric acid solution.

1,626,785. OIL BURNER. MITCHELL CARTER, Salt Lake City, Utah, assignor to Thermic Generating Company, a Corporation of Utah. Filed Feb. 16, 1926. Serial No. 88,526. 2 Claims. (Cl. 158—53.)

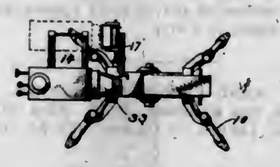
1. An oil burner comprising two frusto-conically shaped members spaced apart and one within the other with the ends sealed; an expansion joint in one end thereof; said expansion joint consisting of a flange on the inner frusto-conically shaped member at right angles thereto, a flange on the outer frusto-conically shaped

member at an angle thereto to contact with the right angled flange on the inner member, with the edges of said flanges sealed together; an oil pipe entering the



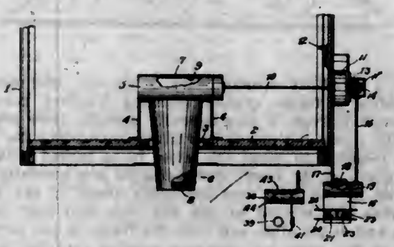
space between said members at one end thereof; a gas pipe connected with said space near the other end of said space; a nozzle having an exit port in its end wall; and means for preheating said generator.

1,626,786. FILM ATTACHMENT FOR MOTION-PICTURE PROJECTORS. WILLIAM J. CITRON, San Francisco, Calif., assignor, by direct and mesne assignments, to The Trailograf Company, Inc., San Francisco, Calif., a Corporation of California. Filed June 25, 1925. Serial No. 39,426. 5 Claims. (Cl. 88—24.)



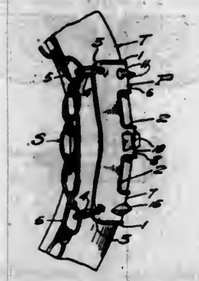
3. In combination with a stand carrying a kinetoscope and a lamp house, an attachment therefor comprising a bracket secured to the stand at one side thereof, a frame adjustably supported in said bracket, a relatively tall and shallow water cell carried by the frame, an apertured film support on the frame in front of the cell, and means for moving an inflammable film across the aperture so as to permit the projection of images thereon with a still or slowly moving effect, said lamp house being movable transversely of the stand, so as to direct its rays through the water cell and associated film.

1,626,787. METHOD AND APPARATUS FOR EFFECTING OPTICAL PROJECTIONS. EDWIN H. CORLETT, East Cleveland, Ohio. Filed Apr. 17, 1920. Ser. No. 374,539. 67 Claims. (Cl. 88—16.)



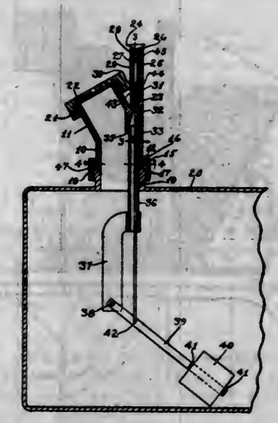
1. The combination intended for mounting in fixed relation on an unstable support and in an elevated position comprising a camera, another laterally directed camera adapted to comprehend the horizon in its field of view, the focal plane of said cameras having a known relation to each other, and means for simultaneously operating said cameras whereby to provide data for comparison of their pictures and permit computation of the spatial position of said first mentioned camera with reference to the horizon plane.

1,626,788. TRACTIVE DEVICE. GUS J. CRAWFORD, Baker, Mont. Filed Feb. 16, 1926. Serial No. 88,671. 1 Claim. (Cl. 152—14.)



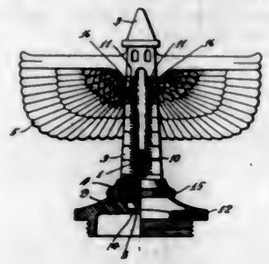
A tractive device, comprising a flexible plate curved transversely and longitudinally to engage the tread of a tire, the side and end marginal portions of the plate being rolled inwardly and upwardly, the corners of said plate being raised and formed with openings, the body portion of said plate being formed with relatively large openings adjacent each end thereof to provide end and intermediate cross strips, each having threaded openings and surface engaging calks formed with lugs adapted to be removably fitted into said openings and positioned upon the exterior surface of the end and intermediate strips.

1,626,789. FILLING ATTACHMENT FOR GASOLINE TANKS OF AUTOMOBILES. OLIVER CREED, Cincinnati, Ohio. Filed Nov. 9, 1925. Serial No. 67,783. 6 Claims. (Cl. 220—86.)



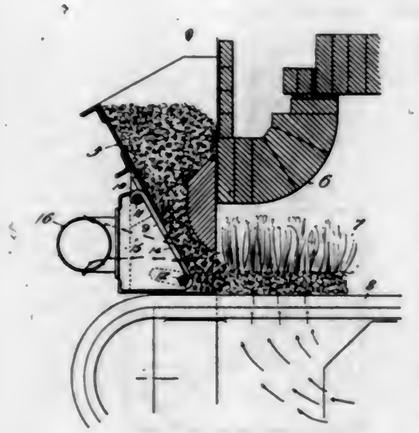
5. A filling attachment for gasoline tanks embodying a filling nozzle having a supporting means for supporting and displaying an indicator to the rear and above the mouth of the nozzle and a guide opening for guiding an indicator-rod in front of said supporting means and closely adjacent to the rear inner face of the nozzle, and a guarding means also located closely adjacent to said rear inner face and spaced therefrom to permit passage of the indicator-rod and to guard said rod from injury by contact of a filling device inserted in the mouth of the nozzle.

1,626,790. AUTOMOBILE RADIATOR THERMOMETER. EDWARD T. CURRAN, Detroit, Mich. Filed Mar. 30, 1921. Serial No. 456,916. 8 Claims. (Cl. 73—52.)



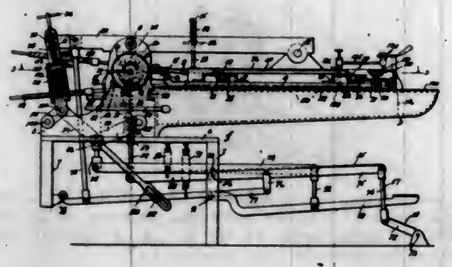
8. Means for indicating the temperature of water in an automobile radiator embodying a radiator cap provided with a chamber partitioned off from the interior of the cap, a thermometer holder mounted on the cap and supported thereby, and a thermometer supported by the holder and having a tubular shank provided with a bulb housed within the closed chamber of the cap, whereby the bulb is partitioned off from the interior of the upper part of the associated radiator and is dependent for its operation upon the conductivity of the metal parts of the cap.

1,626,791. STOKER. CHARLES L. DAVIDSON, New York, N. Y. Filed July 21, 1923. Serial No. 652,879. 2 Claims. (Cl. 110—40.)



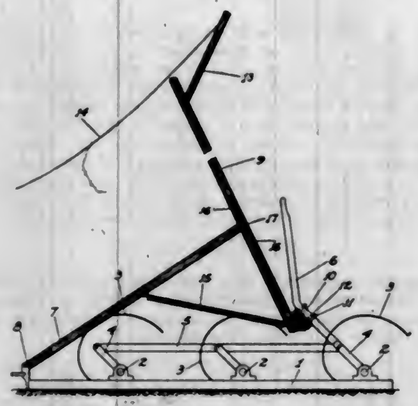
2. In a stoker, a furnace chamber, a traveling grate, and a fuel hopper mounted at the front of the furnace chamber and delivering thereinto onto said grate at its point of entry, a supporting rod arranged to extend transversely across the front wall of said hopper, bars supported on said rod and spaced apart at their edges to form a portion of said front wall with spaces therebetween, a closed chamber exteriorly enclosing said bars, and an exhaust pipe connection to said closed chamber.

1,626,792. PRESSING MACHINE. JACOB DENEMARK, Trenton, N. J. Filed May 8, 1926. Serial No. 107,559. 9 Claims. (Cl. 68—9.)



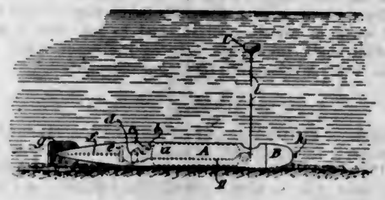
1. A pressing machine comprising a hollow table, a steam inlet, a steam outlet for the said table, an iron adapted to normally rest on the table, an arm pivotally connected to said iron, means for raising the iron from the table, a feeder on each side of the iron operating above said table, means for operating said feeders in a vertical and longitudinal direction to feed the goods through the machine and means for raising the feeders above the surface of the material pressed when the machine is brought to a stop.

1,626,793. HAND LIFT FOR HARROWS. RONALD M. DE ROSA, San Francisco, Calif. Filed June 28, 1926. Serial No. 119,004. 3 Claims. (Cl. 55—104.)



1. A hand-lift structure for a harrow, said harrow including a frame, ground engaging members turnably mounted thereon, a longitudinally movable lever pivoted on the frame and means operatively connecting the lever and members to cause the latter to be turned with the movement of the lever; comprising an arm pivotally connected to the lever and extending ahead of the same, another arm pivoted at one end onto said first named arm and at its other end onto the frame at the forward end of the same, an operating member attached to the outer end of the first named arm, said arms when the teeth are out of the ground projecting upwardly at an angle to each other and when the teeth are in the ground moving down past dead center with respect to the pivotal connections at the ends of the arms, and spring means applied to the arms to maintain the same in either of the above named positions.

1,626,794. AUTOMOBILE TORPEDO AND CONTACT MINE. WILLIAM DIETER, Newark, N. J. Filed Nov. 28, 1922. Serial No. 603,858. 11 Claims. (Cl. 102—3.)



1. The combination with an automobile torpedo carrying an explosive charge, of a float independent of such charge, means for releasing such float at the end of the run of the torpedo, impact means on said float and a connection therefrom to the explosive charge adapted, on the displacement of the float by collision therewith, to determine the explosion of such charge.

1,626,795. VISUAL ANNUNCIATOR. WILLIAM T. DIPPEL, New York, N. Y., assignor to Harrison S. Martin, Brooklyn, N. Y. Filed Mar. 18, 1922. Serial No. 544,728. 9 Claims. (Cl. 177—339.)



1. In an annunciator, a plurality of auxiliary display vanes arranged side by side and hinged for independent rotation upon a common axis, a main display vane also hinged for rotation about said axis, releasable means normally holding all of said vanes together and at one side of the axis and operable to release the vanes one at a time to permit them to rotate to a display position, said vanes having on their display faces suitable display information, the display matter of each auxiliary vane being substantially identical in character and location with the portion upon the main display vane which is covered thereby and also having other display symbols, whereby when the main vane is released a symbol will be displayed and when one or more of the auxiliary vanes is released the same symbol will be displayed and in addition another symbol may be displayed for each released auxiliary vane.

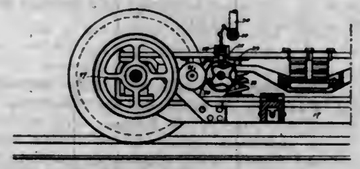
1,626,796. PARACHUTE ESCAPE FOR AIRSHIPS. GLENN H. DRABENSTOTT, Wooster, Ohio. Filed Oct. 6, 1926. Serial No. 139,909. 3 Claims. (Cl. 244—21.)

1. In a device of the character described, the combination with the body of an airship; a basket seat in said body; a parachute basket fitted to rest removable in said seat, means for detachably securing said basket in said seat, a frame above said basket, a perforated disk on said frame, a removable cover arched over said disk,



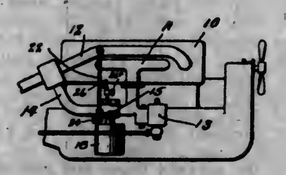
a parachute folded within said cover, and attached to said disk by a cable, and means for opening said cover to release the parachute, substantially as set forth.

1,626,797. AUTOMATIC SIGNAL. PETER C. ENNS, Herbert, Saskatchewan, Canada. Filed Nov. 8, 1923, Serial No. 673,498, and in Canada Mar. 31, 1923. 2 Claims. (Cl. 246—192.)



1. An automatic signal controlling mechanism, including a main shaft, a clutch comprising male and female members; the former of which is keyed to said shaft while the latter rides free thereon, said female member having an interiorly notched flange, a spring-tensioned lever eccentrically pivoted to said male member, said lever having a laterally projecting stud at its outer end, adapted to engage the notches of said flange to establish connection between the male and female members, a driving gear adapted to rotate said female member, a second shaft disposed adjacent said main shaft having a trigger at one end, a crank formed in said second shaft adapted to engage and normally hold said lever in an inoperative position, a trip for actuating said trigger, a cam keyed on said main shaft, and signal operating means actuated by said cam.

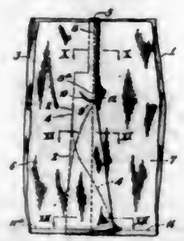
1,626,798. FUEL-MIXING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JOHN L. FAY, St. Louis, Mo. Filed Sept. 14, 1922. Serial No. 588,220. 8 Claims. (Cl. 123—25.)



1. A fuel mixing device for internal combustion engines comprising a coiled pipe adapted to be placed in the

intake of an engine and connected to the exhaust thereof for conveying to said intake under pressure a portion of the spent gas, absorbent material in said intake adjacent to said coil pipe and means for supplying moisture to said absorbent material.

1,626,799. VENT FOR FULL-LINED GARMENTS AND METHOD OF MAKING IT. RICHARD A. FEISS, Cleveland, Ohio, assignor to The Joseph & Feiss Co., Cleveland, Ohio. Filed Jan. 22, 1923. Serial No. 614,078. 9 Claims. (Cl. 2—93.)

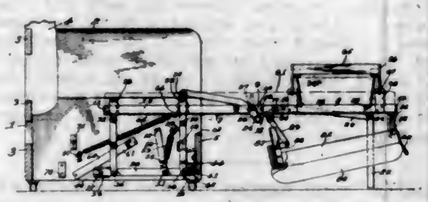


8. A garment comprising a pair of half backs sewn together for a given distance to leave a lower portion of their conforming edges free, the free edge of one of said half backs being provided with a flap, a lining piece sewn to one of said half backs and provided with an incision a short distance below the upper end of said flap, a portion of said lining bordering said incision being turned and so sewn to said flap.

1,626,800. PROCESS OF RECLAIMING RUBBER. MARCUS J. FESSLER, Syracuse, N. Y. Filed Jan. 29, 1927. Serial No. 164,654. 8 Claims. (Cl. 18—52.)

8. The herein described process of reclaiming rubber from old or used rubber stock, comprising the reduction of the stock to a finely divided or comminuted state, and subjecting the comminuted mass to the treatment of tetrahydronaphthalene.

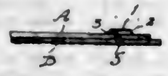
1,626,801. FOLDING BED OR COUCH. OSCAR FICHTENBAUM, Brooklyn, N. Y. Filed Aug. 18, 1924. Serial No. 732,642. 6 Claims. (Cl. 5—31.)



1. A folding bed or couch comprising a couch structure, an inner mattress frame, parallel levers connecting the mattress frame at each end to the couch structure, main springs connected between the couch structure and the mattress frame to exert an inward pull, auxiliary springs and levers controlled thereby and arranged to engage certain of the parallel levers during a part of the mattress frame movement and to resist inward or aid outward movement of the frame, and at least one other mattress frame structure having an articulated connection to the mattress frame first mentioned.

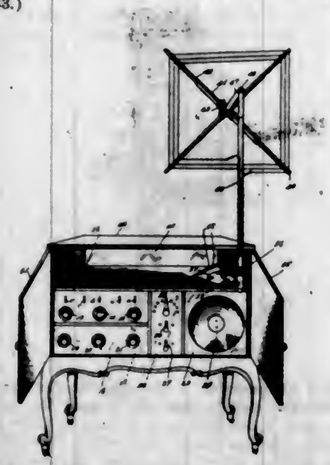
4. A folding bed or couch comprising a couch structure including end boards, back connections and a front board, foldable inner and outer frame sections, an intermediate section connecting the inner and outer sections, springs connected between the couch structure and points on the folding structure, a seat structure movably connected to the outer section, and members projecting therefrom to co-operate with the inner face of the front board when in folded position, and to act with a leverage effect upon the upper edge of the front board during the first part of the opening movement.

1,626,802. ROOFING ATTACHMENT. ALBERT C. FISCHER, Chicago, Ill. Original application filed June 3, 1920, Serial No. 386,260. Divided and this application filed Apr. 8, 1926. Serial No. 100,554. 4 Claims. (Cl. 108—33.)



1. In a roofing attachment, a sheet metal base having a portion thereof folded upon itself to provide an underlap, an anchoring spur projecting from said underlap and protected by the overlying portions of the base.

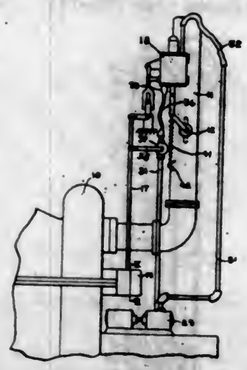
1,626,803. SELF-CONTAINED RADIO RECEIVING UNIT. JOHN S. FISHBACK, Indianapolis, Ind. Filed Mar. 27, 1922. Serial No. 546,961. 2 Claims. (Cl. 250—33.)



2. A radio-receiving unit, comprising in combination with a portable cabinet having a radio-signal receiving unit, complete in itself, mounted therein, of a collapsible antenna permanently connected into the receiving unit and independent of all external connection, a standard on said cabinet and said antenna, said antenna and standard being collapsible into or projectible from the cabinet without disturbing its circuit connections.

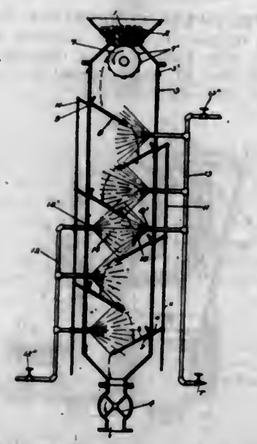
1,626,804. AUTOMATIC STOP VALVE. WARREN B. FLANDERS, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 2, 1925. Serial No. 60,132. 6 Claims. (Cl. 137—140.)

1. The combination with a prime mover having an emergency valve, of a cylinder, a piston in said cylinder operatively connected with the valve, means for applying fluid pressure to said piston to retain the valve in open position during normal operation of the prime mover,



and means utilizing the weight of the piston and cylinder for closing the valve upon abnormal operation of the prime mover.

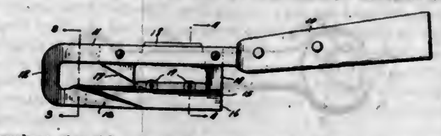
1,626,805. APPARATUS FOR PROCESSING BERRIES ESPECIALLY THOMPSON SEEDLESS RAISINS. THOMAS W. W. FORREST, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Filed July 13, 1926. Serial No. 122,082. 3 Claims. (Cl. 99—2.)



1. Apparatus of the character described comprising a casing, means for delivering a controlled stream of berries to the upper end thereof for falling therethrough, means within the casing interrupting the fall of said berries, and confronting nozzles arranged and adapted for ejecting opposing blasts of gas and vapor at the berries whilst falling.

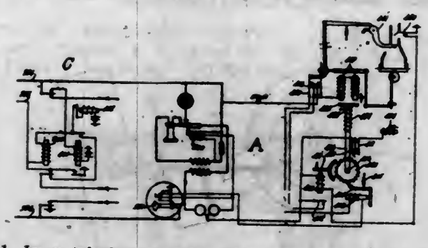
1,626,806. IMPLEMENT FOR CUTTING AND OPENING PASTEBOARD BOXES. ARCHIE D. FORRY, Clarksville, Iowa. Filed Feb. 18, 1926. Serial No. 89,181. 5 Claims. (Cl. 30—3.)

1. An implement for cutting open pasteboard boxes comprising a handle, a shank extending therefrom, the shank being returned upon itself and formed with a knife blade having its back extending parallel to the shank and having an upwardly facing, upwardly and rearwardly inclined knife edge, and a straight longitudinally extending box engaging guide attached to the shank and extending parallel thereto, the guide being angular in cross section to provide a portion adapted to rest upon the top of a box and a portion adapted to rest



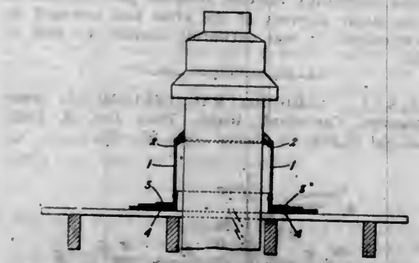
against the side of the box, the first named portion being disposed below and intersecting the inner upper end of the knife edge.

1,626,807. AUTOMATIC TELEPHONE SYSTEM. JOHN E. GARDNER, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed June 23, 1922, Serial No. 570,494. Renewed Sept. 24, 1926. 22 Claims. (Cl. 179—6.3.)



1. In a telephone system, telephone lines, means for establishing a connection between said lines, paystation mechanism on one line, and mechanism at the station of said line operative after the connection is completed to visually indicate to the subscriber thereat of the charge to be placed in said paystation mechanism to pay for the connection.

1,626,808. CHIMNEY. WILLIAM R. GIBSON, Forest Hills, N. Y. Filed Dec. 22, 1924. Serial No. 757,365. 1 Claim. (Cl. 108—26.)



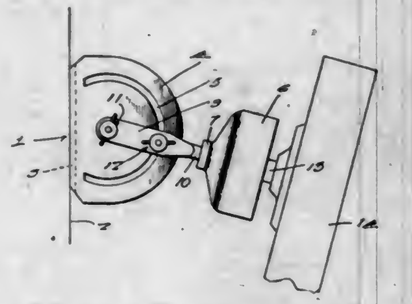
In a flashing structure for chimneys, a hollow sheet metal casing adapted to occupy an enclosing relation to a chimney but substantially spaced away from the walls thereof to provide an insulating air chamber separating the casing from the outer wall surfaces of the chimney, an inwardly directed flange member at the upper end of the casing arranged to provide a support for a plaster seal between the chimney and the upper end of the casing, an outwardly directed circumscribing flange member formed on the lower end of the casing, and another flange member having an upwardly directed portion attached to the inner surface of the lower portion of the casing and an outwardly directed circumscribing flange portion arranged beneath and spaced from the flange formed on the lower end of the casing, the space between the flanges being adapted to receive edge portions of roofing material.

1,626,809. OPEN-END WRENCH. BENJAMIN B. GILLETT, Kansas City, Mo. Filed Dec. 21, 1925. Serial No. 76,694. 2 Claims. (Cl. 81—119.)



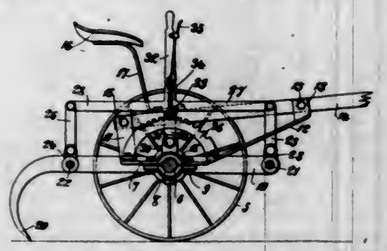
1. In an open end wrench, a head comprising a socket having parallel side walls extending through the head to the outer edge thereof to form a throat, said walls having opposite V-shaped notches, and an end wall substantially perpendicular to the walls of said throat, said end wall having a V-shaped notch therein.

1,626,810. DOOR HOLDER. LOUIS J. GINGRAS and AZARIAS ST. ONGE, Webesterville, Vt. Filed Apr. 18, 1925. Serial No. 24,136. 1 Claim. (Cl. 292—17.)



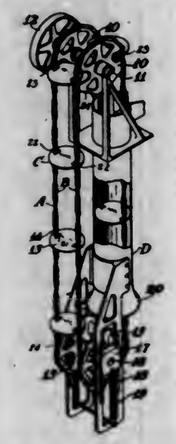
A door knob holding and stop device consisting essentially of a cup of a size and depth to receive and hide a knob, means for supporting said cup, and means in the cup for yieldingly holding the knob therein; the said means for yieldingly holding a knob in the cup including pairs of opposite spring arms entirely within the cup, said arms having forward bight or bowed portions and outer rearwardly directed terminal portions, spaced from the major portions of the arms and arranged at their extremities to bear outwardly against the wall of the cup.

1,626,811. AGRICULTURAL IMPLEMENT. FRED GLAESSNER, Castleford, Idaho. Filed Oct. 9, 1925. Serial No. 61,388. 2 Claims. (Cl. 97—233.)



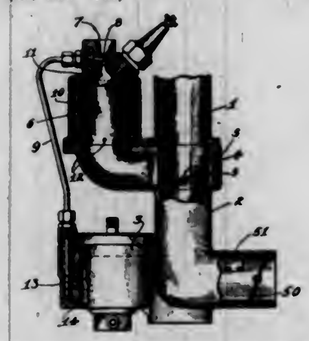
1. An agricultural implement comprising an axle having wheels at its ends, a frame directly mounted on said axle, a draw beam supported by said frame, a notched segment fixed on the frame, a lever pivoted on the axle, said lever having a part adapted for hand operation, a detent on said lever engageable with said notched segment, arms on said lever extending laterally in opposite directions, shovel elements pivoted on said axle, and links connecting the shovel elements with said arms.

1,626,812. ENDLESS-CHAIN PUMP. WILLIAM F. GODFREY, Kearney, Nebr. Filed Nov. 22, 1926. Serial No. 149,902. 6 Claims. (Cl. 103—73.)



1. The combination, in a chain pump having a driven endless connection and a series of water lifting buckets, of a plurality of said endless connections attached to and diametrically inset into said buckets substantially so as to form a plurality of supports for said buckets.

1,626,813. LIQUID-FUEL COMBUSTION APPARATUS. JOHN GOOD, Garden City, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed June 21, 1920. Serial No. 390,354. 22 Claims. (Cl. 158—28.)



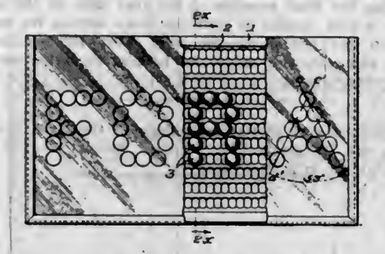
1. The method of non-explosively burning liquid fuel which consists in causing a pressure difference between the entrance and outlet passages of a combustion space to produce a flow of liquid fuel and air in predetermined measured proportions, directing and guiding said flow so that it forms itself into flows of relatively rich and relatively lean mixtures of fuel and air, igniting the rich flow by an igniter intercepting the same, and combustibly combining said mixtures in said space.

1,626,814. SKIN CREAM. FRED E. GOODALL, Chicago, Ill., assignor, by mesne assignments, to Van Ess Laboratories, Inc., Chicago, Ill., a Corporation of Delaware. Filed Nov. 9, 1925. Serial No. 67,759. 4 Claims. (Cl. 167—9.)

2. A skin cream containing cottonseed oil which has been previously treated with ultra-violet rays.

4. A preparation for use as a skin cream comprising a waxy substance, a mineral oil and a vegetable oil that has been treated with ultra-violet rays.

1,626,815. SIGN-COMPOSING DEVICE. LOUIS A. GRAHAM, Evanston, and CHARLES L. LOW, Chicago, Ill. Filed Sept. 15, 1926. Serial No. 135,520. 6 Claims. (Cl. 40—125.)



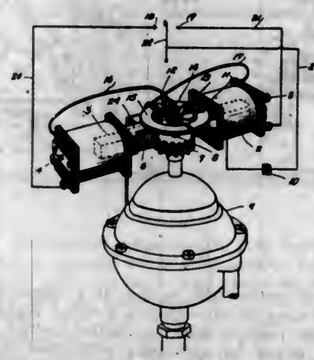
1. A sign composing device comprising individual composing elements and a composition field having distributed over its area a plurality of rows of individual positioning means constructed to receive said composing elements, the positioning means in each row being spaced apart at distance less than the overall dimension of said composing elements and aligned in the direction transverse to said rows with the positioning means in the other rows.

1,626,816. BRUSH. CARL GRETHER, Todtnau, Germany. Filed Mar. 11, 1926, Serial No. 93,936, and in Germany Mar. 20, 1925. 2 Claims. (Cl. 15—195.)



1. A brush, comprising a bristle supporting back having a plurality of bristle receiving apertures, folded tufts of bristles in said apertures, each tuft having a looped wire encircling its bight, said wire having its ends tangential to the loop and engaging the rear portion of the back to prevent outward displacement of said bristle tuft, and a binding wire running over the upper surface of the back and successively passing through said looped wires.

1,626,817. ELECTRICALLY-OPERATED VALVE MECHANISM. ELBERT A. HAMMETT, Kansas City, Mo. Filed Apr. 21, 1924. Serial No. 707,926. 1 Claim. (Cl. 236—75.)



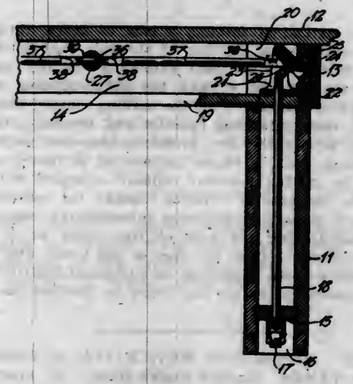
The combination with a thermostatically controlled switch of a pair of solenoid windings, having aligning openings therein, a guide member connecting said windings having an opening aligning with the openings in said windings, and having a second opening in one of its sides, a solenoid core slidable longitudinally in the guide member and into the openings in said solenoid windings, gear teeth on the core member, a shaft extending at right angles to the core member, a pinion fixed on said shaft and engaging the teeth on said core member, and a switch arm secured to the end of said shaft for alternately breaking the circuit to the respective energized solenoid windings.

1,626,818. CONDENSED MILK AND METHOD OF MAKING SAME. JAMES ROBINSON HATMAKER, Paris, France. Filed Apr. 6, 1926, Serial No. 100,110, and in Great Britain Nov. 5, 1925. 9 Claims. (Cl. 99—5.)

1. The hereinbefore described method of producing condensed milk which consists in incorporating dry milk solids with natural liquid milk.

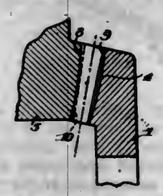
6. Condensed milk, an essential part of which is milk in its natural state.

1,626,819. RETRACTING CASTER. MERRITT W. HAZLETT, Franklin, N. Y. Filed Nov. 22, 1926. Serial No. 149,901. 2 Claims. (Cl. 16—33.)



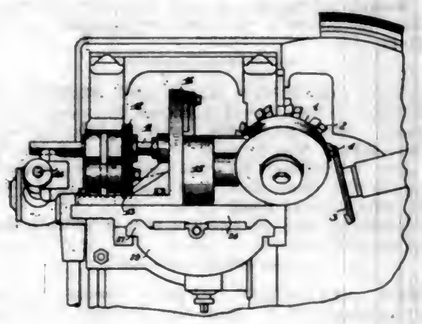
1. A table, supporting legs therefor, caster supports mounted for vertical movement in each of the legs; actuating mechanism for moving the supports vertically in the legs and including a self-locking toggle joint pivotably mounted on the upper end of the said supports; and means for releasably bringing the said self-locking toggle joint into its locking position.

1,626,820. PAIR OF GEARS. ERNEST C. HEAD, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Sept. 12, 1923. Serial No. 662,273. 7 Claims. (Cl. 74—41.)



1. A gear provided with tooth spaces having curved bottoms and with longitudinally curved teeth, said teeth having side faces which are curved from end to end about points lying on opposite sides of the teeth.

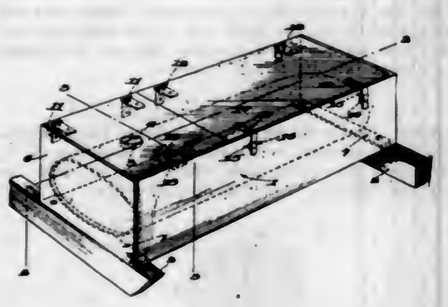
1,626,821. METHOD AND MACHINE FOR CUTTING GEARS. ERNEST C. HEAD, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Sept. 12, 1923. Serial No. 662,274. 16 Claims. (Cl. 90—5.)



1. The method of forming a pair of gears which consists in cutting one member of the pair with a circular milling cutter having tools extending radially and exteriorly thereof and cutting the other member of the pair with a circular ring-like milling cutter having a series of tools extending radially and interiorly thereof.

16. In a machine for producing tapered gears, the combination with a blank carrier, of a rotary cutter, having its cutting portions radially arranged with reference to its axis of rotation, means for rotating the cutter and blank in continuous intermeshing engagement while maintaining the axis of the cutter at a predetermined distance from the apex of the blank, and means for simultaneously imparting an additional relative movement between the cutter and blank to generate the tooth profiles.

1,626,822. PROTECTIVE DEVICE FOR AUTOMOBILE FUEL TANKS. GEORGE GLENN HEARN, St. Petersburg, Fla. Filed May 20, 1925. Serial No. 31,729. 1 Claim. (Cl. 280—5.)



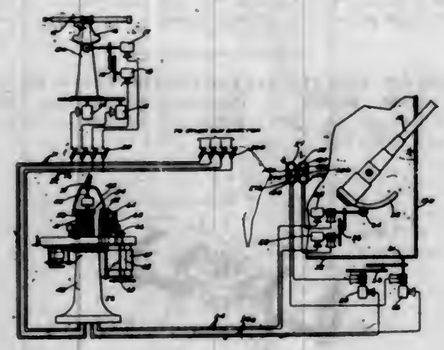
A protective device for fuel tanks of an automobile comprising a hollow body open at its upper and lower ends and adapted to fit over the fuel tank and to rest at its lower end on fixed supporting means of the automobile, said body having inturned attaching members at its lower end resting upon said supporting means and adapted to be secured thereto, a cover for closing the upper end of said body, said cover presenting a pair of complementary sections, hinges attaching said sections of the cover to said body, said hinges being located within the body when the cover sections are closed, one of said cover sections overlying the filler opening of the fuel tank of the automobile, a lock carried by said one cover section for securing said one section to the body when the section is closed, and releasable means for holding the other section of the cover closed.

1,626,823. JOIST FORM. WILLIAM F. HEDBERG, Kansas City, Mo. Filed Nov. 22, 1926. Serial No. 149,054. 14 Claims. (Cl. 25—131.5.)



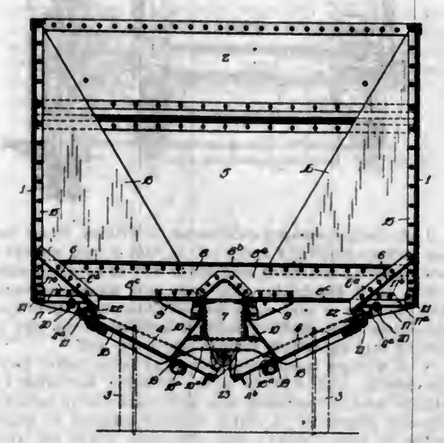
4. In a concrete form, a pair of substantially vertically extending members, braces extending between said members, a pair of spaced members, engaging said vertically extending members, and a filler member bridging the space between said spaced members.

1,626,824. SYSTEM OF AND APPARATUS FOR GUN-FIRE CONTROL. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Apr. 9, 1924. Serial No. 705,350. 34 Claims. (Cl. 89—41.)



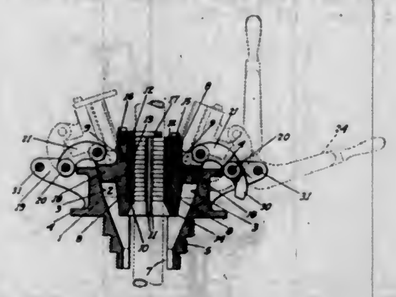
1. The combination with a gun, of a mount therefor on which the gun is adjustable in a set of planes varying in angular position with the angular position of said mount, and means for generating corrections with reference to said planes in their various positions, said corrections being applied to said means with reference to a set of fixed planes.

1,626,825. RAILWAY DUMP CAR. DAVID HINDAHL, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 27, 1926. Serial No. 131,871. 22 Claims. (Cl. 105—251.)



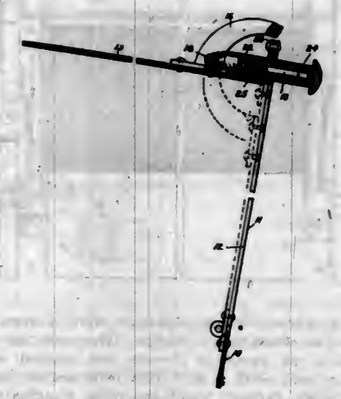
1. In a hopper bottom car, a transverse bottom frame member having a vertical web, a dump door, and a pintle bearing casting for mounting said dump door in controlling relation to the hopper bottom; said casting being formed with an upwardly presented seating face and a vertical flange overlapping and attached to the web of the frame member.

1,626,826. PIPE AND ROD SPIDER. BENJAMIN F. HINIKER, Taft, Calif. Filed Apr. 3, 1925. Serial No. 20,392. 7 Claims. (Cl. 24—263.)



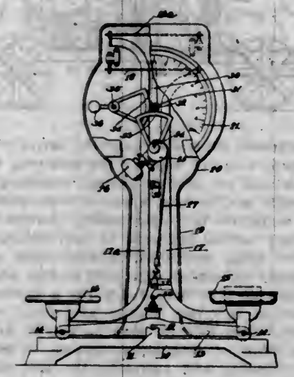
2. A pipe spider comprising a base having a cavity from top to bottom and a side opening communicating with said cavity, opposed slips mounted in connection with the base and adapted to seat in the cavity in close relationship with each other to engage a pipe, means for spreading the slips to enable a pipe to be moved into the cavity through the side opening, and means attached to one of the slips for engaging the pipe as the slips are moved together and causing said pipe to be centralized relative to the slips.

1,626,827. SHUTTER LATCH FOR SHIELDS. HARRY HOISINGTON, Davenport, Iowa. Filed Nov. 22, 1924. Serial No. 751,718. 6 Claims. (Cl. 89—36.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



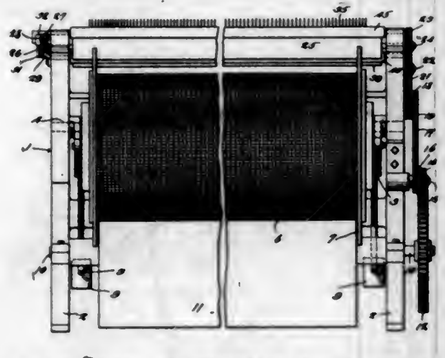
6. In combination with a shield for guns, said shield formed with an aperture, a swinging shutter for said aperture, means for holding the shutter in open or closed position, said means automatically disengaged on movement of the shutter.

1,626,828. SCALE. JOSEPH HOPKINSON, Dayton, Ohio, assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Sept. 4, 1924. Serial No. 735,732. 2 Claims. (Cl. 268—62.)



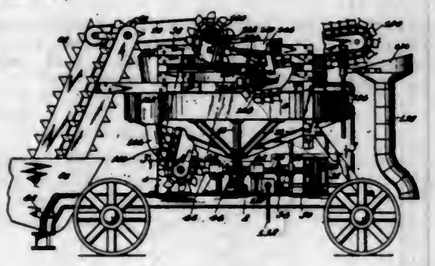
1. A weighing scale including in combination with a base lever system of the even balance type, a pendulum load counterbalancing means connected therewith, a pivotal indicator, a pinion therefor, a sector shaped rack operatively connected so as to be movable in unison with said pendulum, counterbalancing means for driving said pinion and a supplementary rack meshing with said pinion and having provisions for causing said pinion to maintain constant enmeshment with one side of the teeth of said aforementioned sector shaped rack.

1,626,829. WARPER ATTACHMENT. WILLIAM P. HOANBUCKLE and ROBERT F. CRAIG, Stanley, N. C. Filed Sept. 9, 1924. Serial No. 736,764. 3 Claims. (Cl. 28—35.)



1. In a warper, the combination with a drum which actuates a receiving-beam through surface contact, a roller with which the yarns or threads are engaged on their way to the said beam, a gear-train intermediate the drum and the roller, through which the roller is actuated from the drum, a traverse-comb adjacent the roller, and connections intermediate the roller and the comb through which traverse movements are imparted to the comb.

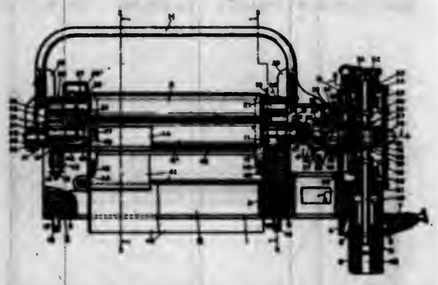
1,626,830. CONTINUOUS AUTOMATIC CONCRETE MIXER. MILTON F. HORST, Los Angeles, Calif. Filed Aug. 4, 1926. Serial No. 127,009. 28 Claims. (Cl. 83—73.)



1. A continuous automatic concrete mixer comprising in combination, a set of hoppers for receiving the materials to be mixed, an annular casing, a mixing chamber associated with said casing, a set of conveyers for elevating said materials into said mixing chamber, stationary and rotary mixing elements in said casing, said rotary elements being positioned between said stationary elements, means associated with said casing whereby the mixed concrete may be moved dry for a portion of the circumference of a circle, means associated with said casing whereby said mixture may be moved wet for the remaining portion of said circumference, a set of conveyers for receiving and elevating the wet mixed concrete to the point of discharges and means associated with said mixer for operating the movable parts in timed relation.

1,626,831. POWER-OPERATED WRINGER FOR WASHING MACHINES. WINTHROP KEITH HOWE, Rochester, N. Y., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 25, 1921. Serial No. 495,349. 29 Claims. (Cl. 68—32.)

1. In a wringer, the combination of a lower roll driven by a direct connection, means for resiliently forcing said roll upward against an upper roll, and means separate from said upper roll for limiting the upward movement of said lower roll.



4. A clothes wringer comprising, a wringer frame having pockets therein, a lower roll in said frame, springs in said pockets for forcing said lower roll upward, an upper roll, a shaft for driving said rolls, and means concentric with the axis of said shaft for simultaneously operatively connecting said shaft to suitable driving means and for forcing said upper roll against said lower roll.

8. A wringer comprising upper and lower rolls; means for driving said rolls in either direction including two pinions having a common axis and connected to rotate in opposite directions; a clutch member adapted to engage either of said pinions; and operating means for yieldingly moving said clutch member toward either of said pinions and for unyieldingly forcing said clutch member out of engagement with either of said pinions, said operating member also being controllable to permit separation of said rolls.

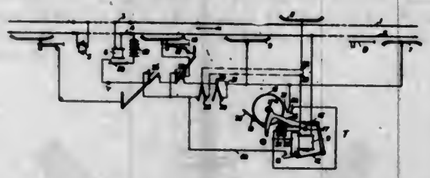
18. In a wringer, the combination with a spring-pressed lower roll, a movable upper roll, a shiftable handle, recessed cam means carried by the handle for forcing the rolls together only in certain operative positions of the handle, the cams being arranged for one position of the handle to present the recessed portion wholly release pressure on the rolls and permit unrestrained movement of one roll away from the other.

1,626,832. LUNCH-COUNTER STOOL. JOHN F. HUCKEL, Kansas City, Mo., assignor to Fred Harvey, Kansas City, Mo. Filed Sept. 13, 1926. Serial No. 135,102. 2 Claims. (Cl. 155—95.)



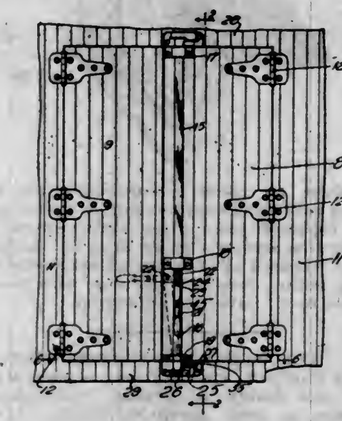
1. A stool of the character described, comprising a tubular pedestal having an interior flange and a shouldered seat at its upper end, a bushing within the pedestal seated upon the interior flange and having a rim flange located in said shouldered seat, a seat member rotatably mounted on the pedestal and having a pintle journalled in said bushing, and a wear member interposed between said member and the pedestal about the pintle.

1,626,833. TRAIN-CONTROL SYSTEM. ALFRED ERNEST HUDD, Liverpool, and ARTHUR FRANK BOUND, Timperley, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Filed Oct. 29, 1921, Serial No. 511,322, and in Great Britain Nov. 18, 1920. 33 Claims. (Cl. 246—49.)



1. A train control system comprising a track, a time element device located at the side of the track, apparatus controlled by said time element device for effecting the application of the brakes of a passing train, means controlled by a passing train for setting the said time element device in operation to control said apparatus to prevent the application of the brakes if the speed of the train is below a certain value and manually operated signalling means operable to control said apparatus to prevent the application of the brakes if the track is clear.

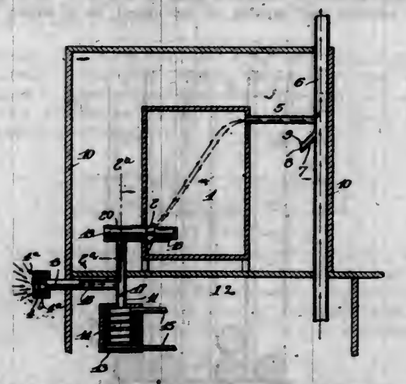
1,626,834. CAR-DOOR-LATCHING DEVICE. GEORGE A. HULL, Chicago, Ill., assignor to Equipment Specialties Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1924. Serial No. 755,204. 10 Claims. (Cl. 292—5.)



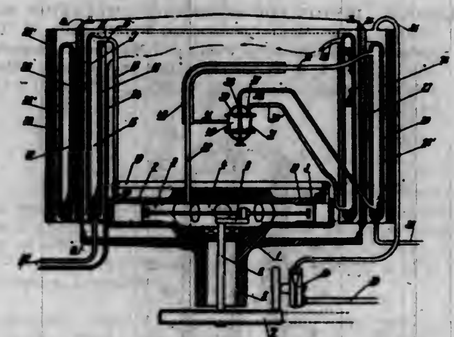
1. In a closure latching device, in combination, fixed camming means on the receptacle to be closed, and latching means co-operating with said first named means, rotatable to commence the latching operation and reciprocable to complete the same.

1,626,835. REFRIGERATING APPARATUS. EDWIN F. JAMES, Cleveland, Ohio. Filed July 26, 1920, Serial No. 398,925. Renewed Mar. 14, 1927. 4 Claims. (Cl. 62—129.)

1. In a refrigerating apparatus, the combination with a building having a natural draft flue and a refrigerating chamber therein, of conduit means connecting said flue with the upper portion of said chamber, connections between the lower portion of said chamber with the atmosphere inside and outside said building, respectively, valve means for differentially controlling said connections, and thermostatic means for operating said valve means.



1,626,836. REFRIGERATING APPARATUS. PIERRE MAURICE JAUVERT, Toulon, France. Filed Mar. 31, 1924. Serial No. 703,243, and in France Mar. 31, 1923. 1 Claim. (Cl. 62—8.)

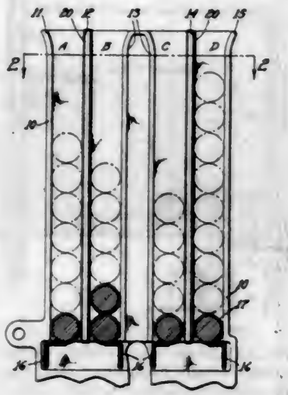


In a refrigerating apparatus comprising a compressor, a condenser, an evaporator, connected to form a closed system, valve mechanism controlling the flow of refrigerant from the condenser to the evaporator, said valve mechanism comprising a chamber, a diaphragm dividing said chamber, a needle directly secured to said diaphragm and acting on one side of said diaphragm to control the flow of refrigerant to the evaporator, a closed tubular container surrounding the suction pipe leading to the compressor, and connected to said chamber on the other side of said diaphragm, said container, connection, and chamber on the other side of said diaphragm being filled with water adapted to change from liquid to solid state and reversely by the change in temperature of the refrigerant fluid passing to said compressor thru the suction pipe and thus to operate the needle thru the action of the diaphragm.

1,626,837. DEVICE TO PREVENT ROTATION OF BOBBINS. VICTOR H. JENNINGS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 28, 1925. Serial No. 65,418. 7 Claims. (Cl. 139—245.)

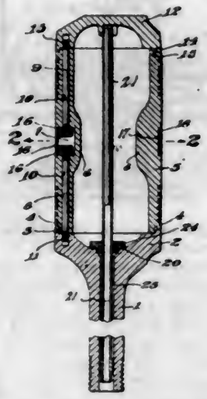
1. In a weft replenishing loom, a frame, flanges extending therefrom and defining bobbin compartments, and resilient means carried by one of the flanges and common

to two adjacent compartments, said means presenting a surface having a relatively high coefficient of friction to the bobbins and capable of movement as a whole in a



direction parallel to the compartment to assume a plurality of relative positions with respect to the flange to vary the width of the compartments.

1,626,838. PISTON FOR INTERNAL-COMBUSTION ENGINES. OLAV ESKIL JORGENSEN, Forest Hills, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 18, 1926. Serial No. 89,081. 5 Claims. (Cl. 74—108.)



1. A piston including a piston body forming the entire side wall of the piston, a piston rod having one end upset to the full diameter of the piston body to form one end only of the piston, and means connecting the body and the upset end of the piston rod.

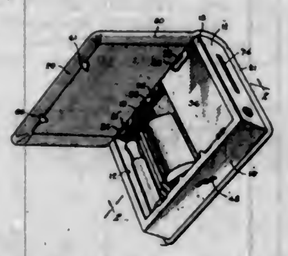
1,626,839. CATHETER. ERNST KALLMEYER, Burgbernheim, Germany, assignor to Henry W. Reese, New York, N. Y. Filed Apr. 24, 1922. Serial No. 556,352, and in Germany Apr. 28, 1921. 1 Claim. (Cl. 128—239.)

An irrigating catheter comprising a tubular body terminating at one of its ends in a conically formed distending head of greater diameter at its base than said body and having an axial fluid receiving passage opening through the apex of the head and communicating with the bore of said tube, the surface of said head being provided with alternate ribs and grooves extending longitudinally thereof from the base of said head and merging into the peripheral surface thereof at a point spaced from



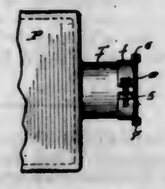
the apex of the head, and said head being additionally provided with a series of transverse apertures opening at their outer ends into each of said grooves and communicating with the axial fluid passage in said head.

1,626,840. CONTAINER. JOSEPH KAUFMAN, New York, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed July 5, 1924. Serial No. 724,229. 8 Claims. (Cl. 206—16.)



1. A device for effectively advertising the slogan "Shave and Save", said device comprising a container for a shaving implement and a money container fixedly associated therewith, whereby a person using the shaving implement so contained will have his attention centered on the saving feature, thus most effectively advertising the "Shave and Save" feature of self-shaving.

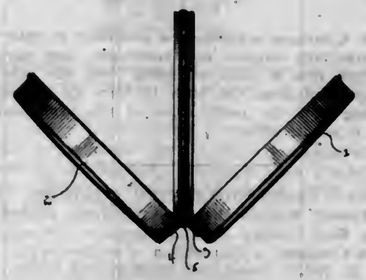
1,626,841. COLOR-CHANGING ATTACHMENT FOR MOTION-PICTURE PROJECTORS. JAMES MAURICE KELLEY and JOSEPH A. HUEBER, Philadelphia, Pa. Filed Sept. 23, 1926. Serial No. 137,198. 1 Claim. (Cl. 88—24.)



A device of the class described comprising a collar formed of a strip of sheet metal having its ends turned outwardly to form relatively spaced ears, said strip being provided at spaced points with integral enlargements

located at diametrically opposite points on the collar and shaped to form approximately U-shaped lugs having opposite grooves forming a channel, a screw extending through the ears and operative to contract the collar to enable the same to be clamped on the end of the lens tube of a motion picture projector, and a color screen comprising a sheet metal frame and a plurality of transparent panes of different colors adapted when the frame is seated in said channel to be respectively brought into registry with the lens tube by sliding the frame in said grooves transversely of the tube.

1,626,842. COMPACT HOLDER. WILLIAM G. KENDALL, Newark, N. J., assignor to Parfumerie Rigaud, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 16, 1925. Serial No. 2,959. 1 Claim. (Cl. 220—32.)



A vanity case comprising two body portions and an intermediate ring all mounted upon the same hinge pintle; said ring having a groove in the wall thereof, the width of said groove being less than the width of said wall, a partition member held in a split ring held in said groove, a portion of one side of the lateral periphery of said ring being bent out transversely and curved to form a loop for said hinge pintle.

1,626,843. FISHING TOOL. GROVER NEGLEY KING, Kerrville, Tex. Filed Mar. 13, 1926. Serial No. 94,486. 1 Claim. (Cl. 294—102.)



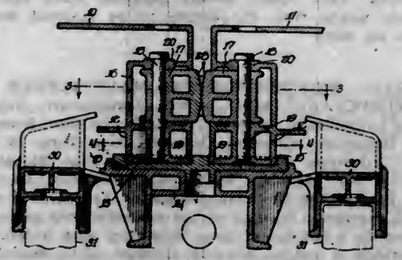
A fishing tool of the class described including a hollow grab head having a pair of longitudinally disposed slots, a slit member slidable in the grab head and comprising a cylindrical portion, and a pair of arms of spring material rising from the upper edge thereof, means for limiting the movement of the slit member in the grab head, and holding the cylinder so that the arms are in a position to move through the slots, a pair of dogs one on the upper terminal of each arm, the inner faces of said dogs being provided with teeth, and the lower edges both at their inner and outer faces being curved upwardly and outwardly.

1,626,844. FINGER GUARD FOR FOLDABLE BUS DOORS. CLINTON J. KUHN, Vanderburgh, Ind., assignor to Graham Brothers, Evansville, Ind., a Corporation of Indiana. Filed Sept. 8, 1925. Serial No. 55,103. 2 Claims. (Cl. 20—16.)



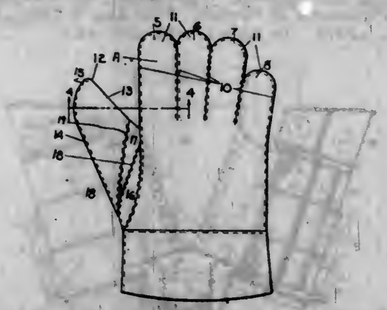
1. The combination with two relatively movable sections, of a shield having reinforced pockets secured to said sections, and a flexible connection between said pockets, one of said pockets being of sufficient width to overlap both sections when disposed in a predetermined position.

1,626,845. ARTICULATED CAR CONSTRUCTION. JOHN A. LAMONT, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 10, 1925. Serial No. 55,419. 17 Claims. (Cl. 105—4.)



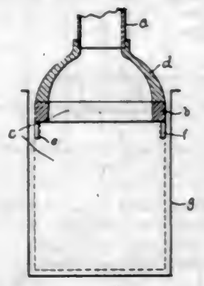
1. In an articulated car construction, the combination of two car body units, a center bearing member on each unit, a truck bolster, and a center plate pivotally mounted on said bolster and pivotally arranged with respect to each of said center bearing members to form a flexible operating arrangement.

1,626,846. GLOVE. PETER LAMPROS, Iron Mountain, Mich. Filed June 5, 1925. Serial No. 35,116. 2 Claims. (Cl. 2—169.)



1. A glove of the character described, comprising similar opposite sections having finger portions, gussets between the sections and coextensive with the finger portions to provide stalls for the index, middle, third and little fingers of a hand, a thumb stall having a longitudinal seam only at its outer edge, whereby the quirk area of said stall is unbroken, and tapered gussets between the inner end of the thumb stall and said sections and connected thereto, the gussets being reversed to have their wider portions on opposite sides of the thumb stall.

1,626,847. APPARATUS FOR THE MANUFACTURE OF HOLLOW BODIES FROM FIBROUS PULP. ROBERT LECHTHALER, Berlin-Charlottenburg, Germany, assignor to Baumgärtner, Dr. Katz & Co., G. m. b. H., Spandau-Elswerder, Germany, a Corporation of Germany. Filed Feb. 12, 1925, Serial No. 8,839, and in Germany Feb. 12, 1924. 4 Claims. (Cl. 92—54.)



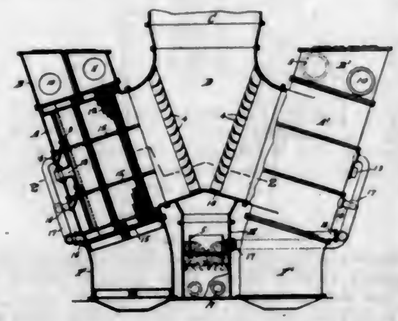
1. An apparatus for the production of hollow bodies from fibrous pulp by means of a heated gaseous medium under pressure, comprising a stationary mould capable of being taken apart, having pervious walls and of greater height than the article to be moulded therein as set forth.

1,626,848. PROCESS FOR THE MANUFACTURE OF HYDROCYANIC ACID. OTTO LIEBKNECHT, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed June 24, 1924. Serial No. 721,994. 9 Claims. (Cl. 23—151.)

1. Process for the manufacture of hydrocyanic acid which consists in reacting carbon monoxide with ammonia by passing a mixture of these in contact with a catalyst comprising a porous non-acid charcoal while maintaining a reaction temperature between 400° C and 800° C.

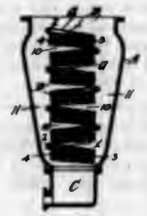
8. Catalyst for the reaction of carbon monoxide with ammonia to form hydrocyanic acid comprising a carbonized body formed by carbonizing carbonaceous material in the presence of carbon monoxide and ammonia.

1,626,849. CONDENSING APPARATUS. CHARLES E. LUCKE, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 3, 1925. Serial No. 47,674. 10 Claims. (Cl. 257—24.)



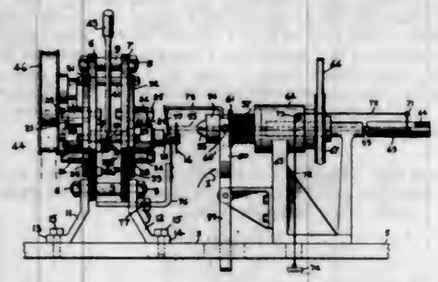
1. The combination with two vertical surface condensers, of a common exhaust chamber between said condensers, and guide vanes at opposite sides of the steam chamber for distributing the steam over the condensing surfaces.

1,626,850. CONDENSING APPARATUS. CHARLES E. LUCKE, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 5, 1925. Serial No. 48,240. 12 Claims. (Cl. 257—43.)



1. In a surface condenser, a plurality of tube banks of substantially uniform flow resistance, each having on the outlet face a plate extending over the tube bank and separated from the bank to form an air chamber extending over the outlet face of the bank and connected to an air offtake.

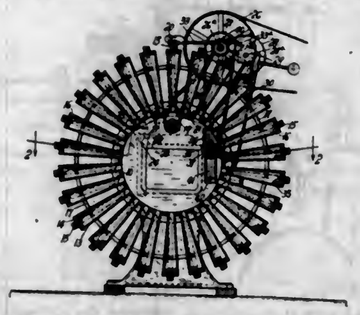
1,626,851. GLASS-ROD-CUTTING MACHINE. HARRY DE FOREST MADDEN, Newark, and JOHN JOSEPH HIGGINS, East Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Jan. 2, 1922. Serial No. 526,452. 14 Claims. (Cl. 51—89.)



1. A machine for severing glass rods comprising a rotary abrasion member, a holder for rotatably supporting a rod and means for bringing said member and said rod in frictional contact to produce a peripheral groove upon the rod to partially sever the same, said means being operable to effect a gradually increasing frictional engagement between the member and rod to generate heat at the base of the groove and cause a severing operation.

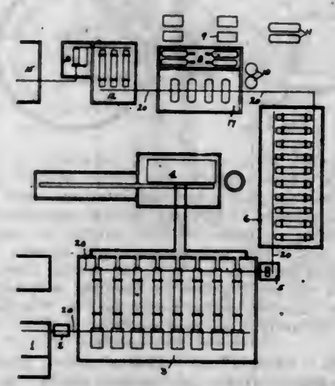
1,626,852. DUST COLLECTOR. ABERHAM FRANKLIN MANGOLD, Akron, Ohio. Filed Oct. 7, 1926. Serial No. 140,008. 14 Claims. (Cl. 183—59.)

1. A dust collector comprising an intermittently rotatable drum, tubes or pockets of dust collecting fabric radiating from the drum, a number of freely movable pellets comprising rubber balls in the drum adapted to find their ways into the tubes or pockets and to frictionally engage the dust collecting surfaces of the fabric to loosen the dust therefrom, a conveyor for receiving the dust from the tubes or pockets, means for jarring the dust from the tubes or pockets into the conveyor, a duct adapted to deliver duct laden air into one end of the drum, a duct for receiving the dust from the dust conveyor through the other end of the drum, a screen in the dust receiving duct, said duct having a hand hole therein adjacent the screen, a hopper for receiving the pellets falling out of tubes or pockets at said other end of the drum, a conveyor for delivering the pellets from said hopper to the first end of the drum, a receptacle for receiving the pellets from the



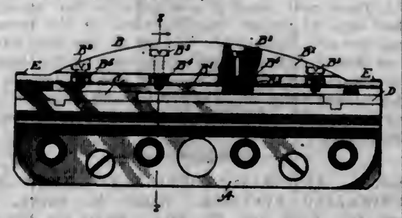
pellet-delivering conveyor, said receptacle having a bottom closure, and means for opening or shutting said closure.

1,626,853. METHOD OF GARBAGE REDUCTION. ROBERT D. MACLAURIN, Lakewood, and CHARLES C. SMITH, Cleveland, Ohio. Filed Mar. 3, 1926. Serial No. 91,960. 7 Claims. (Cl. 71—6.)



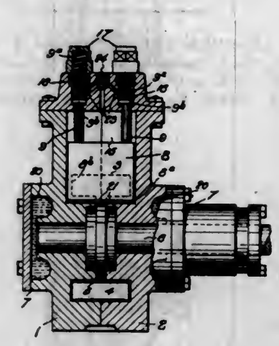
1. In a garbage reduction process, the steps of preliminary dehydration of the green garbage through the non-critical moisture zone by direct heat, then further dehydration through the critical moisture zone by indirect heat, extraction of fats, and the redrying of the tankage by indirect heat.

1,626,854. MOLD FOR SLUG-CASTING MACHINES. RICHARD RUSSELL MEAD, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Nov. 17, 1926. Serial No. 148,811. 8 Claims. (Cl. 199—55.)



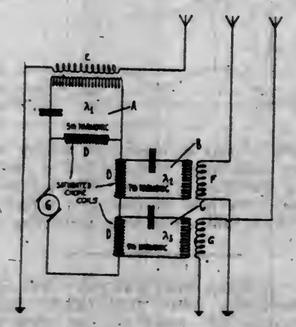
1. A slug casting mold presenting a side wall made up of an inner hardened steel base portion provided with a raised part or projection, and an outer unhardened steel reinforcing portion formed with a corresponding recess to accommodate said raised part or projection, and means engaging the raised part or projection for clamping the two portions together.

1,626,855. ROTARY PUMP. GEORGE SIDNEY MEPSTEAD, London, England. Filed Oct. 9, 1926, Serial No. 140,576, and in Great Britain Nov. 30, 1925. 8 Claims. (Cl. 103—123.)



1. A rotary pump comprising a cylindrical casing, concentric internally projecting bosses on the ends of the casing forming a broad and comparatively shallow annular space between the periphery of the bosses and the periphery of the casing, a rotatable disc fitting between the bosses, a cam shaped piston mounted on the disc and fitting the annular space, a slidable wall member engaging in grooves in the casing, resilient means to normally urge the wall member toward the periphery of the rotary disc, inlet ports in the casing on one side of the movable wall member and outlet ports in the casing on the other side of the said movable wall member.

1,626,856. CIRCUIT ARRANGEMENT FOR MULTIPLEX COMMUNICATION. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Feb. 24, 1923, Serial No. 620,899, and in Germany Mar. 23, 1922. 7 Claims. (Cl. 250—9.)



3. In combination, a plurality of frequency changers, a source of alternating energy, said frequency changers and said source being coupled all in series with each other and a plurality of individual work circuits coupled to said frequency changers.

1,626,857. PROCESS OF MANUFACTURING LACTOSE. SHERMAN C. MEREDITH, Burlingame, and NIELS N. T. NYBORG, Modesto, Calif. Filed Dec. 12, 1922. Serial No. 606,532. 4 Claims. (Cl. 127—46.)

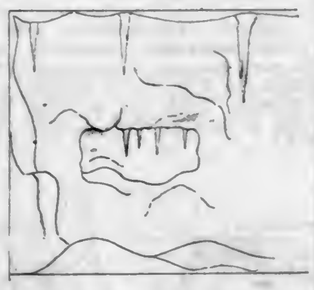
3. In the process of extracting lactose from whey the steps which consist in adding an alkali in excess of that required to neutralize the acid content of the whey, heating the whey and gradually increasing the temperature to coagulate and precipitate the albumen content, and gradually decreasing the alkali content as the temperature increases.

1,626,858. VACUUM TUBE. HERBERT E. METCALF, San Leandro, Calif., assignor to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Feb. 28, 1924. Serial No. 695,681. 4 Claims. (Cl. 250—27.5.)



1. A three-electrode tube having a plate on one side of the filament and a linear grid on the opposite side, in the form of a thin strip with its edge close to and following substantially the course of the filament and disposed towards the plate.

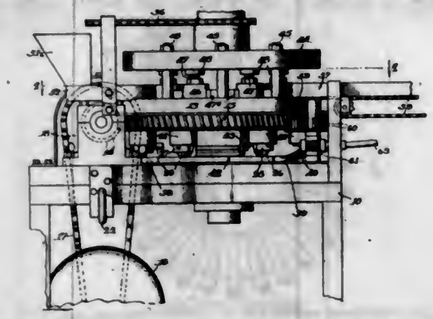
1,626,859. PLASTIC COMPOSITION. WILLIAM C. MORGAN, Everett, Wash. Filed Aug. 6, 1924. Serial No. 730,392. 1 Claim. (Cl. 41—10.)



The method of making decorative designs which consists of, first, applying to a flexible base a plastic coating consisting of a mixture of cement, sand, salt and glucose, second draping the base material over supports to produce the desired design and then permitting it to dry.

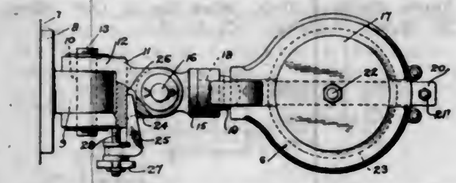
1,626,860. MACHINE FOR MAKING COMPACTS, TABLETS, WAFERS, AND THE LIKE. GARRETT W. MUDD, Chicago, Ill. Filed Aug. 30, 1924. Serial No. 735,090. Renewed Sept. 22, 1926. 26 Claims. (Cl. 25—70.)

3. A machine of the character described including a support having a pocket for receiving the material to be compressed, a plunger movable in the pocket, an abutment movable across the end of the pocket in directions transverse to the direction of movement of the plunger, means for thus moving the abutment, said abutment co-



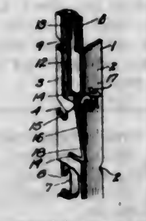
operating with the plunger to compress the material therebetween, and means for causing the plunger to impart a plurality of impacts to the material in the pocket.

1,626,861. ADJUSTABLE PULLEY-BLOCK HANGER. HARRY MURRAY, Ross, Calif. Filed Mar. 13, 1926. Serial No. 94,435. 5 Claims. (Cl. 254—195.)



1. A pulley block and hanger, comprising in combination with a base adapted to be rigidly secured to a support, a member pivoted for horizontal movement thereon, a second member pivoted for vertical movement on the first member, a pulley swivelly carried by the second member, and a stop member interposed between the first and second members to hold the second member and pulley in various positions of elevation with relation to the first member while permitting a free movement thereof upwardly from such positions.

1,626,862. FENCEPOST. ULRICH MYER, Linden, Mo. Filed July 3, 1925. Serial No. 41,394. 5 Claims (Cl. 256—52.)

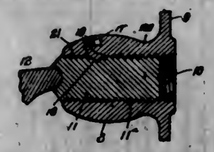


1. A fence post comprising a metallic bar having a notched edge to receive the line wires of the fence, a sliding line-wire locking bar carried by the first named bar, an arm attached at the upper end of the locking bar overlapping the top of the first named bar and extending downwardly along its face, and a crank connected to the first named bar and to the arm to operate the locking bar.

1,626,863. AUTOMATIC SPRINKLER HEAD FOR SPRINKLING SYSTEMS. HARRY M. NACEY, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 633,839. 2 Claims. (Cl. 169—39.)

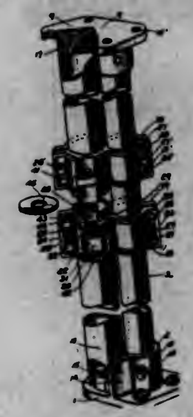
1. A sprinkler head comprising an internal screw threaded support, a tension screw adjusted therein,

said support having a visible external surface indentation resulting in an insetting of a portion of the material thereof, with a consequent mutilation of a portion of



the threads of the tension screw sufficient for permanently locking the screw in its adjusted position, thereby preventing the removal of the tension screw without destroying it for future use.

1,626,864. COMBINATION RELEG AND JACK CLAMP. JAMES P. NEILSON, Sr., Tulsa, Okla. Filed Dec. 7, 1925. Serial No. 73,945. 8 Claims. (Cl. 189—18.)



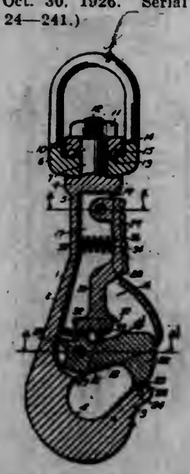
1. A pair of clamps having gripping portions, and sockets therein, members having socket engaging portions thereon and means for extending said members to separate said socket engaging portions, whereby said clamps are moved away from each other.

1,626,865. SAFETY HOOK. ROBERT E. NEILSON, Tulsa, Okla. Filed May 12, 1926. Serial No. 108,552. 3 Claims. (Cl. 24—241.)



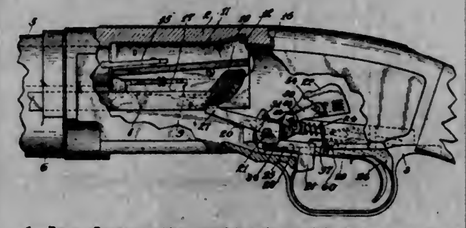
1. In a safety hook, a body comprising a hook portion and a shank, a latch mounted on the shank for movement across the hook opening to position for retaining an object therein, and an actuator for the latch normally yieldingly urging the latch to functional position, and a handle member having camming relation with the actuator.

1,626,866. SAFETY HOOK. ROBERT E. NEILSON, Tulsa, Okla. Filed Oct. 30, 1926. Serial No. 145,202. 12 Claims. (Cl. 24—241.)



1. In a hook of the character described, a body portion and a bill spaced from the body portion to form a socket, a latch pivotally mounted on the body portion and adapted for projection across the socket to close the socket, and a trigger comprising a handle portion and an actuator for the latch, the actuator constituting a detent for holding the latch in functional position and a stop for limiting opening movement of the latch.

1,626,867. FIREARM. CHARLES A. NELSON, Utica, N. Y., assignor to Savage Arms Corporation, Utica, N. Y., a Corporation of Delaware. Filed June 12, 1920. Serial No. 388,458. 15 Claims. (Cl. 42—16.)

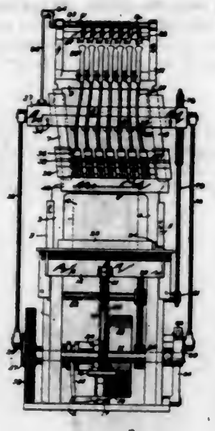


1. In a firearm, the combination with firing means, an action bar, an action bar lock, and a spring urging the action bar lock toward locking position with a substantially constantly applied pressure, of a spring to move the said lock to unlocking position, said second mentioned spring being mounted to move bodily with the actuation of the firing means and to be tensioned against the action bar lock to move the latter against the tension of the first mentioned spring on the release of the firing means.

1,626,868. NAILING MACHINE. ELMER C. NORTHRUP, San Francisco, Calif., assignor, by mesne assignments, to Sprague-Sells Corporation, Hoopeston, Ill., a Corporation of Delaware. Original application filed Jan. 26, 1920, Serial No. 354,070. Divided and this application filed Dec. 17, 1923. Serial No. 681,054. 5 Claims. (Cl. 1—16.)

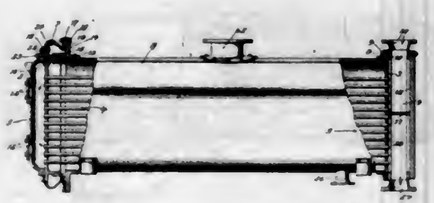
1. In a nailing machine a plurality of nail chutes, means for filling said chutes with a succession of nails,

means including a pivoted lever for releasing one nail at a time from each of said chutes, a shaft extending adja-



cent the upper ends of said levers, means for rocking said shaft, and means on said shaft for operatively engaging said levers.

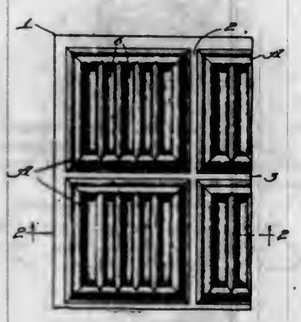
1,626,869. EXPANSION JOINT FOR HEAT EXCHANGERS. EDWARD M. O'DONNELL, San Francisco, and DAVID D. PEEBLES, Eureka, Calif. Filed Apr. 1, 1926. Serial No. 98,976. 2 Claims. (Cl. 257—239.)



1. In an apparatus of the character described, an elongated cylindrical shaped shell, a plurality of tubes interior thereof and extending from end to end of the shell, a stationary tube sheet at one end of the shell supporting one end of the tubes, a floating tube sheet at the other end of the shell supporting the opposite ends of the tubes, and an annular expansion member forming a seal between the floating tube sheet and the shell, and a head member supported by the floating tube sheet.

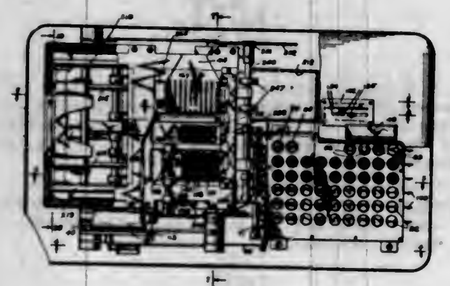
1,626,870. CUSHIONING AND FILLER-LOCKING FLAT. LEOPOLD OXHANDLER, Chicago, Ill. Filed Mar. 29, 1927. Serial No. 179,386. 5 Claims. (Cl. 217—26.)

1. A flat comprising a sheet of approximately uniform thickness throughout divided into plateau-like sections by intersecting grooves, each section having therein a series of long parallel depressions that separate it into trough-like ribs the ends of which extend downwardly and in-



wardly from adjacent side walls of the section to reinforce such walls and form cushions for supporting an article to be packaged.

1,626,871. ACCOUNTING MACHINE. JOHN ROYDEN PEIRCE, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a Corporation of New York. Original application filed July 9, 1924, Serial No. 724,933. Divided and this application filed Dec. 23, 1924. Serial No. 757,589. 21 Claims. (Cl. 164—112.)



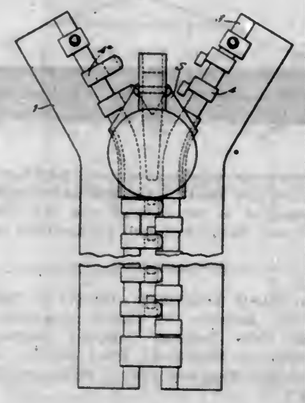
4. In a machine of the class described, the combination with a plurality of series of punches, of a main operating mechanism, a device given an invariable extent of movement at each operation of the main operating mechanism, punch operators pivotally mounted on said device, and means for differentially angularly adjusting the punch operators on their pivots to select the punches to be operated by movement of the invariably moved device.

1,626,872. PROCESS FOR MAKING AN INSECTICIDE. WILLIAM C. PIVER, Hillside, N. J. Filed Mar. 30, 1923. Serial No. 628,774. 9 Claims. (Cl. 167—6.)

1. The process of making an insecticide which consists in a soluble arsenic compound acting on an excess of calcium oxide, and the addition of a metallic salt during the reaction adapted to impart adhesive property to the product, producing the insecticide in a dry powdered form.

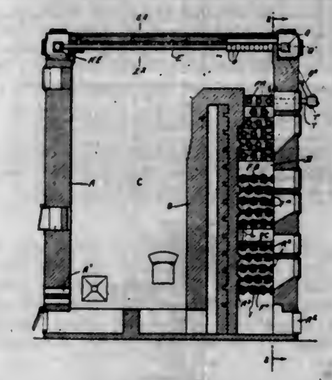
9. An insecticide in dry powdered form, comprising calcium arsenate and aluminium arsenate.

1,626,873. SEPARABLE FASTENER. GEORGE E. PRENTICE, Berlin, and ROBERT C. LEGAT, New Britain, Conn., assignors to G. E. Prentice Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed June 12, 1926. Serial No. 115,470. 7 Claims. (Cl. 24—205.)



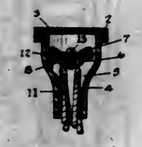
7. A fastener of the class described comprising opposed series of hook and eye elements, each hook element consisting of a flat block having an integral substantially rectangular projection jutting from one end of the block, the block being of least thickness in the direction of the series, the entire projection being offset downwardly from the plane of the upper face of the block and projecting downwardly beyond the plane of the lower face of the block to form a hook member.

1,626,874. OIL HEATER AND METHOD OF OPERATING SAME. JOHN PRIMROSE, New York, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed May 11, 1925. Serial No. 29,411. 6 Claims. (Cl. 196—116.)



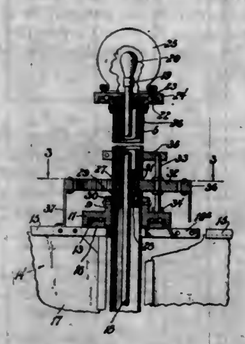
1. In the process of cracking oil in a tubular oil heater, the improvement which consists in heating the oil in three stages, in the first of which the oil containing tubes are subjected to a countercurrent heating effect by heating gases previously cooled in the two succeeding oil heating stages, and in the second of which the oil is heated by radiant heat absorbed from the combustion chamber of the furnace and the highly heated combustion gases, and in the third stage the oil containing tubes are subjected to a parallel current heating effect by heating gases partially cooled in the second oil heating stage.

1,626,875. ELECTRIC CONNECTER FOR BRANCH CIRCUITS. ALFRED W. REISER, Toledo, Ohio. Filed Apr. 10, 1925. Serial No. 22,022. 1 Claim. (Cl. 173—263.)



In an electric wire connecter, an insulating shell, a pair of metal disks, one of the disks having an opening for receiving the ends of the wires, a bolt extending through one of the disks and threaded into the other of the disks for clamping the ends of the wires between the disks, an insulating shell for containing the disks in one of its ends and having a restricted portion smaller in its inner diameter than the disks and an insulating cap for closing the end of the shell having the disks whereby wires may be electrically connected together and secured in the shell by the disks.

1,626,876. TRAFFIC SIGN. BENJAMIN J. ROSEWATER, Eureka Springs, Ark. Filed Feb. 8, 1927. Serial No. 166,745. 3 Claims. (Cl. 40—40.)

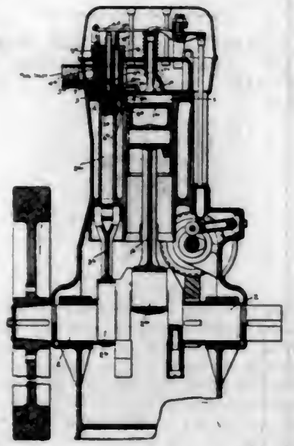


1. In a device of the character described, a stationary tubular mast, direction signs secured thereon, a lamp supported near the top of the mast, an advertising device rotatably supported on the mast, a globe of distinctive design enclosing said lamp, a member rotatably mounted at the upper end of the mast and supporting said globe, a sleeve secured to said member and depending within the mast, and means operatively connecting the advertising device to said sleeve to rotate the latter, together with the globe, at a greater angular velocity than the advertising device.

1,626,877. INTERNAL-COMBUSTION ENGINE. DAVID E. ROSS, La Fayette, Ind. Filed Apr. 13, 1921. Serial No. 461,011. 13 Claims. (Cl. 123—33.)

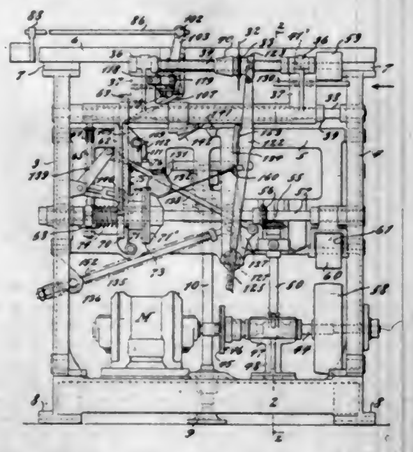
1. In an internal combustion engine, the combination of a working cylinder; a compression cylinder; a valve for admitting a charge into the working cylinder; a valve for admitting air into the compression cylinder; means for operating the second mentioned valve by and with

the first mentioned valve; a piston in the compression-cylinder adapted to compress the air therein until its temperature is raised above the ignition point of the fuel;



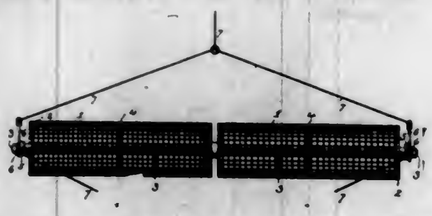
a piston in the working cylinder adapted to compress the charge therein to a point below the ignition point of the fuel; and means for discharging the superheated air from the compression cylinder into the working cylinder.

1,626,878. TUBE-CUTTING MACHINE. CHARLES R. SEYMOUR, Rochester, N. Y., assignor to M. D. Knowlton Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 30, 1923. Serial No. 660,154. 42 Claims. (Cl. 164—61.)



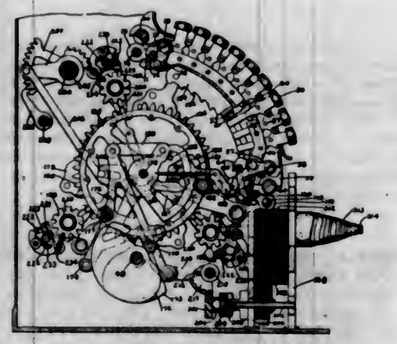
1. In a tube cutting machine, the combination with means for guiding a travelling tubing into the machine, of a saw mounted for transverse and parallel movements relative to the travel of the tubing, means operative to project the saw into the path of travel of the tubing, a yieldingly supported member operatively connected with the saw for movement therewith in its said transverse and parallel movements, and means independent of the tubing co-operating with said member to move the saw parallel with the tubing and without drag thereon during a cutting operation.

1,626,879. APPLIANCE FOR FINISHING CONCRETE PAVEMENTS. FRANK L. SHIDLER and ROBERT D. GREGG, Kankakee, Ill. Filed Dec. 18, 1924. Serial No. 756,647. 4 Claims. (Cl. 94—50.)



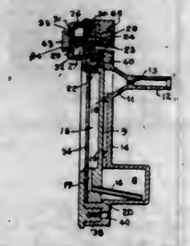
1. A roller for finishing concrete pavements comprising a cylindrical shell of foraminous material, skeleton heads connected to the ends of said shell, an axle connected to said heads and pull connections connected to said axle.

1,626,880. CASH REGISTER. BEANIS M. SHIPLEY, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Jan. 12, 1920, Serial No. 350,917. Renewed Apr. 3, 1925. 40 Claims. (Cl. 235—3.)



1. In a machine of the class described, the combination of type carriers for printing items and totals on an inserted sheet, impression means co-operating therewith, means for feeding said sheet between impressions when a plurality of items are printed, and means for ejecting said sheet when the total of said items has been printed thereon.

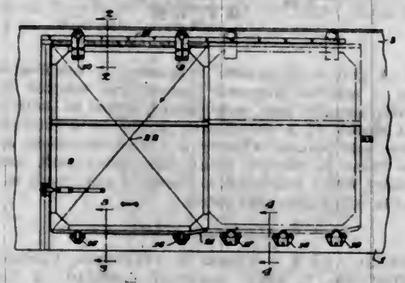
1,626,881. LIQUID INDICATOR. FRANK W. SKINNER, West Norwood, N. J. Filed Dec. 5, 1923. Serial No. 678,719. 2 Claims. (Cl. 73—31.)



1. In a gauge of the class described, a casing having a liquid well in the base, a transparent front portion, a column of liquid behind said front adapted to be observed therethrough, said column communicating with said well,

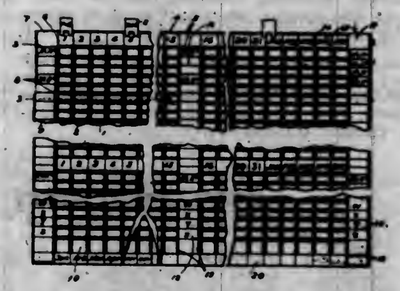
there being a passage from said well to the liquid to be gauged and means in said passage for retarding flow of air between said well and the liquid to be gauged, push button pump means adjacent the top and on the front of said gauge for admitting and forcing air through said column, well and said air retarding means, said push button means when inoperative, providing escape for air above the top of said column.

1,626,882. SIDE DOOR FOR RAILWAY FREIGHT CARS. ARTHUR E. SMALL, Oak Park, Ill., assignor, by mesne assignments, to Railway Metal Products Company, a Corporation of Delaware. Filed Feb. 25, 1926. Serial No. 90,561. 2 Claims. (Cl. 20—32.)



1. In a railway car, the combination of a horizontally movable door, a track mounted on the car adjacent the upper part of the door opening supporting said door when in a closed position, and brackets mounted upon the car so as to solely support the door when the door is in open position, said elements so relatively positioned that as the center of gravity of the door passes the first bracket, upon opening movement, said track is entirely relieved of the weight of the door.

1,626,883. FILING DEVICE. RITTENHOUSE M. SMITH, Mobile, Ala. Filed Mar. 27, 1920, Serial No. 369,352. Renewed July 20, 1926. 20 Claims. (Cl. 129—16.)

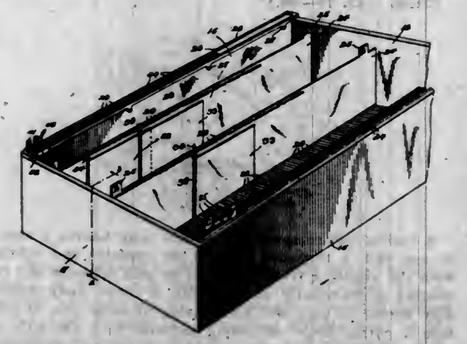


19. A card index case having means for filing cards in accordance with two indexes extending at right angles to each other, one index consisting of the numbers 1 to 31, inclusive, for designating the days of the month, and the other index being alphabetical, and means adjustably associated with one of said indexes for qualifying the same.

1,626,884. FILING DEVICE. RITTENHOUSE M. SMITH, Mobile, Ala. Filed Aug. 16, 1920. Serial No. 403,906. 54 Claims. (Cl. 129—16.)

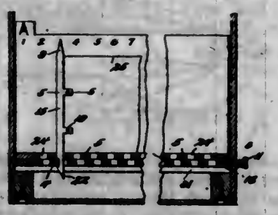
32. A card for a card file having a positioning finger projecting from one edge, and an indicator projecting from the opposite edge and secured to the card in one position only.

33. A card-filing device, including in combination, a case having parallel partitions extending from the bottom to the top thereof, spaced bars at the bottom of the case



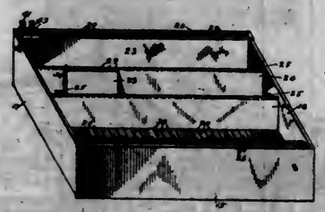
disposed at right angles to the length of said partitions and indices at the top of the case for designating days and months.

1,626,885. INDEX-LOCKING DEVICE AND CARD ATTACHMENT. RITTENHOUSE M. SMITH, Mobile, Ala. Filed Sept. 1, 1920. Serial No. 407,372. 11 Claims. (Cl. 129—16.)



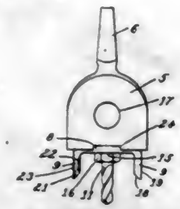
1. In a filing device, a holder for filing units having a plurality of elongated openings therein, a filing unit having a projection aligned with a vertical edge thereof adapted to be slidably positioned in any of said openings, and means for locking the projection therein.

1,626,886. FILING DEVICE. RITTENHOUSE M. SMITH, Mobile, Ala. Filed Feb. 20, 1922. Serial No. 538,043. 1 Claim. (Cl. 129—16.)



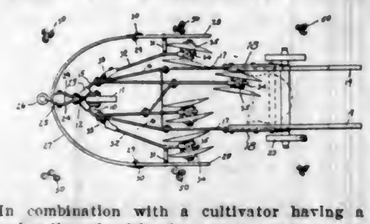
A card filing device, comprising in combination a grid of spaced parallel bars, a pair of parallel side members supporting said grid, disposed perpendicular to said bars at opposite ends thereof, one of said members being provided with a series of index characters each vertically above a space between two grid bars, and cards each having aligned with a vertical edge thereof an indicator and a positioning finger, said positioning finger fitting between any two grid bars, a portion on said finger being out of alignment with said vertical edge to prevent its ready removal from between the grid bars.

1,626,887. BORING TOOL. GEORGE H. SPENGLER, Rockford, Ill., assignor to Frank S. Vander Bogart, Rockford, Ill. Filed July 5, 1924. Serial No. 724,279. 1 Claim. (Cl. 77—69.)



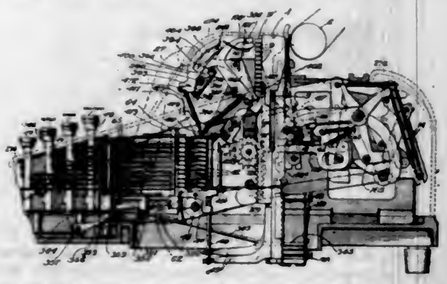
A boring tool comprising a rotary body having a shank at one end, a threaded hole at its opposite end coaxial with the shank, a transverse slot in said opposite end extending diametrically of said hole, a cutter body removably fitting in said slot and having at each side of said hole a cutter blade extending parallel with the axis of rotation of the body proper, and a center pin threadedly engaged in said hole and clamping the cutter body to said body proper.

1,626,888. SELF-GUIDING AND RIDING CULTIVATOR. ALONZO L. STEWART, Rushville, Ind. Filed Feb. 2, 1926. Serial No. 85,459. 2 Claims. (Cl. 97—192.)



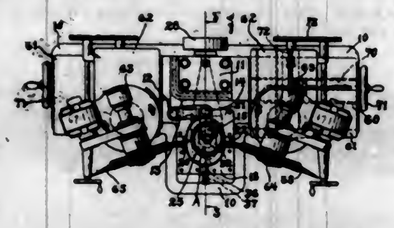
1. In combination with a cultivator having a frame and a plurality of cultivating gangs, a turner attachment comprising U-shaped turning means adapted at its midportion to be attached to the forward part of the cultivator frame, a turning means hingedly connected to each of the free ends of said U-shaped turning means, and tie links connecting said last mentioned turning means to the cultivator gangs.

1,626,889. ADDING AND LISTING MACHINE. OSCAR J. SUNDSTRAND, Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del., a Corporation of Delaware. Filed Dec. 31, 1920. Serial No. 434,242. 33 Claims. (Cl. 235—60.)



4. An adding machine adapted to print in decimal and English currency notation, including a type-carrying member provided with twelve type adapted to print different characters, means to move said member to position a selected type at the printing line when printing an English currency item, and means to prevent said moving means from moving the uppermost type above the printing line when printing a decimal item.

1,626,890. GEAR-TOOTH GRINDER. HUBERT D. TANNER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 16, 1922. Serial No. 544,176. 26 Claims. (Cl. 51—52.)
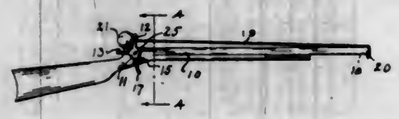


1. A gear tooth grinder comprising in combination, a base, a spindle supported thereon and adapted to rotatably mount a gear to be ground, means to bodily move said spindle in a closed path, means to simultaneously rotate said spindle whereby a rolling movement of the gear blank is effected about said closed path, and an abrasive wheel positioned to engage a gear tooth as said gear is rolled past said wheel.

1,626,891. JACK. WALTER B. TEMPLETON, Chicago, Ill. Filed Apr. 5, 1922. Serial No. 549,710. 2 Claims. (Cl. 254—1.)



2. A casing for a lifting jack adapted to support eccentrically applied loads, said casing formed with a hollow malleable cast metal base comprising outwardly and downwardly flaring front, rear and side walls, and a substantially flat bottom wall integrally joined to and extending inwardly of the lower margins of said walls, said bottom wall having a central opening and being of gradually decreasing thickness from its outer margins to the said opening, whereby it tends to assume an inverted dish shape under heavy loads.

1,626,892. TOY GUN. WILLIAM A. TIDWELL, Indianapolis, Ind. Filed Dec. 16, 1926. Serial No. 155,153. 7 Claims. (Cl. 124—14.)



1. In a toy gun, a barrel, a disk pivotally mounted on each side of the barrel, a hammer finger normally extending upwardly from each disk, each of said disks having a notch formed therein, a trigger having its upper end bifurcated to straddle the barrel from its under side and pivotally carried on the barrel by said ends, and a pawl extending from each of said ends to engage in said disk notches.

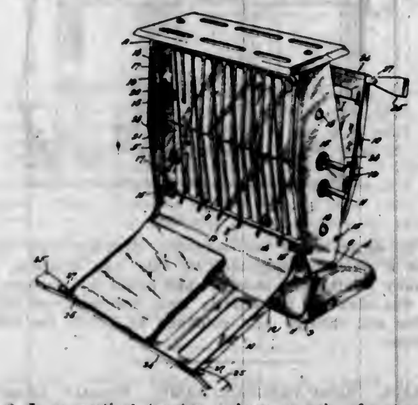
1,626,893. AUTOMOBILE BODY-VENTILATING SYSTEM. B WICKLIFFE TWYMAN, Marysville, Mich., and SYDNEY PAUL, Lima, Ohio. Filed Sept. 11, 1924. Serial No. 737,063. 3 Claims. (Cl. 98—22.)

1. The combination with a closed body of an automobile having a top canopy extending forwardly in front of the front wall and an air chamber formed in said canopy and communicating with the space in front of and adjacent said front wall, of air conduits leading rearwardly from said chamber and opening into the interior



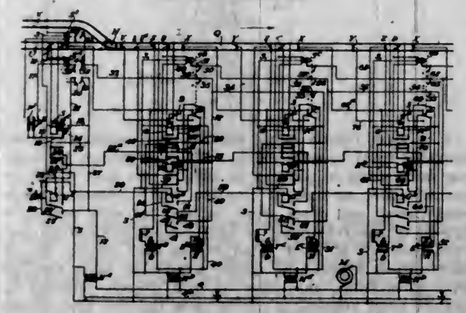
of the closed body, an air conduit leading from said air chamber into the upper forward corner of the closed body.

1,626,894. ELECTRIC TOASTER. FREDERICK A. VOLLBRECHT, Detroit, Mich. Filed Feb. 20, 1925. Serial No. 10,540. 6 Claims. (Cl. 53—5.)



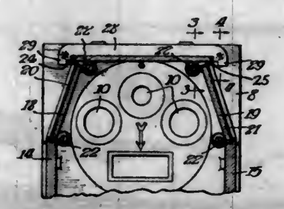
6. In a vertical toaster, a base, a pair of outwardly and downwardly swingable trays, a pair of tray carrying inverted U-shaped members mounted on said base, a vertical heating element, and means supporting said heating element from and between said U-shaped members.

1,626,895. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 21, 1923. Serial No. 658,553. 20 Claims. (Cl. 246—37.)



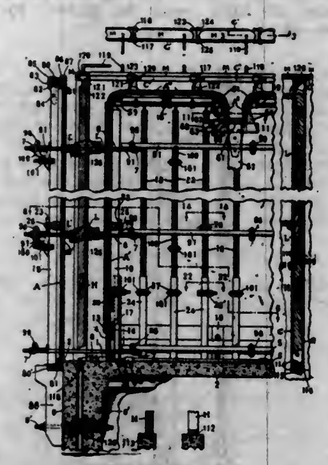
2. In combination, a stretch of railway track to which traffic is admitted at the same point from separate routes, railway traffic controlling apparatus associated with said stretch, means operative when a vehicle enters said stretch from one said route for controlling such apparatus, and means operative when a vehicle enters said stretch from another said route for modifying such control.

1,626,896. VENDING MACHINE. JOHN B. WATLING, Chicago, Ill. Filed May 24, 1924. Serial No. 715,558 7 Claims. (Cl. 211—8.)



1. Means forming a cabinet comprising plural sections, certain of which are fixed and others of which are removable with respect to the assembly, retaining devices on the fixed sections for preventing displacement of the removable sections in one direction, and inherently yieldable retaining devices also carried by the fixed sections for cushioning the removable sections and preventing their displacement in another direction, said yieldable retaining devices being positively secured to the fixed sections and adapted for rolling contact with the removable sections on occasion for the purpose defined.

1,626,897. CONCRETE CONSTRUCTION. AXEL G. W. WEDBERG, Floral Park, N. Y. Filed Dec. 7, 1922, Serial No. 605,394. Renewed Feb. 7, 1927. 54 Claims. (Cl. 25—131.)

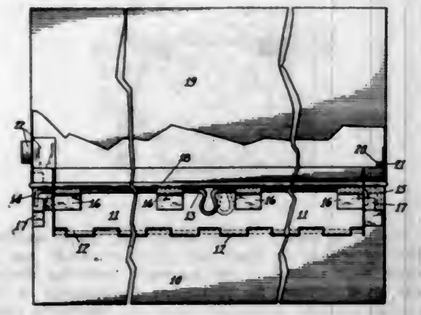


35. In concrete construction, inside and outside forms providing a mold for a vertical wall, concrete key blocks extending transversely across the mold space in vertical series, and a vertical series of detachably interlinked spacer blocks, one between each two adjacent key blocks, the interlinked blocks being restrained against movement in one direction relatively to each other.

50. A panel having a stiffener seat formed in the back surface thereof and a stiffener detachably held in said seat.

53. In concrete construction, a core shell having a rigid back portion, sectional front portions, and means within the shell for moving the front portions first towards the back and thereafter slidingly one upon the other to partially collapse the shell.

1,626,898. FILING TRAY. NELSON S. WELK, Athens, Ohio, assignor to The McBee Binder Co., Athens, Ohio, a Corporation of Ohio. Filed Sept. 19, 1925. Serial No. 57,300. 6 Claims. (Cl. 129—16.)



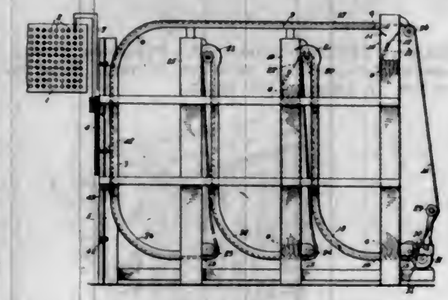
2. A filing tray comprising a lower section and an upper section, the lower section being formed with side walls and end walls, and a base; one of said side walls comprising a hinged section, formed to swing outwardly and downwardly from its hinge; means to lock the hinged section in normal position, as a part of the side walls; means to lock the upper section in position on the lower section.

1,626,899. ELECTRIC SIGN. FRANCIS E. J. WILDE, Meadowmere Park, N. Y., assignor to Motogram Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 57,984. 25 Claims. (Cl. 200—46.)



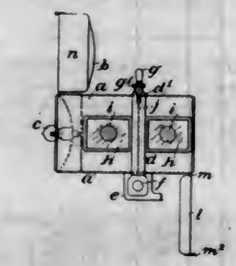
1. Apparatus of the character disclosed comprising a stack of disconnected sign patterns, a bank of switch devices having individualized contact elements operable on engagement by said sign patterns to control an electric sign in accordance with the outlines of said sign characters, a guideway for directing said sign patterns past the bank of switch devices in position to engage the contact elements of the switch devices which are positioned in the path of travel of such patterns, means for confining a group of the sign patterns stacked vertically in flat relation one on top of the other and means for automatically abstracting the sign patterns from one end of said stack and traversing them through the guideway to selectively operate the switch devices and for then returning said sign patterns to the opposite end of the stack faced in the same direction in which they were removed from the stack.

1,626,900. ELECTRIC-SIGN CONTROL. FRANCIS E. J. WILDE, Meadowmere Park, N. Y., assignor to Motogram Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 24, 1926. Serial No. 96,910. 12 Claims. (Cl. 200—46.)



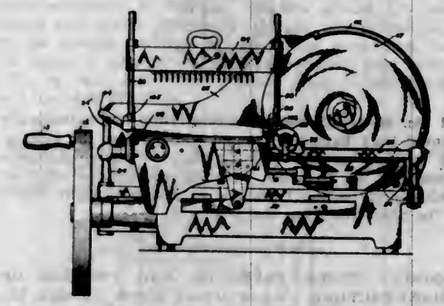
1. In apparatus of the character disclosed, sign elements, a series of magazines for said sign elements, a guideway for the sign elements and means for conveying said sign elements successively from one magazine into another and through said guideway back into the first magazine.

1,626,901. ROAD-VEHICLE LAMP. WILLIAM ERNEST WISH, Edgware, England. Filed Apr. 7, 1925, Serial No. 21,259, and in Great Britain Feb. 27, 1925. 3 Claims. (Cl. 240—82.)



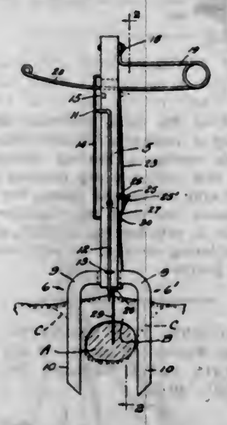
1. A road vehicle lamp, comprising a casing, a glass-provided front to said casing, supporting means for holding said casing in position in such a way that it can be turned about an axis of rotation which passes through said casing and from front to rear of said casing, a lateral transparent panel to said casing, alternative electrical sources of light fitted within said casing, one of said sources adapted to project a forward beam through said glass front, the other of said sources adapted to project when required a lateral beam through said lateral panel, means for controlling both beams from the vehicle, a lever secured to the casing for turning said casing by hand about its axis of rotation, and an opaque cover for the rear of said casing, said cover normally confining the illumination of said other source of light to the interior of said casing for projection through said lateral panel but being displaceable to allow light from said other source to be projected rearwardly of the lamp casing.

1,626,902. MEAT SLICER. GEORGE RUE WOOD, Dayton, Ohio, assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed June 13, 1923. Serial No. 645,139. 25 Claims. (Cl. 146—102.)



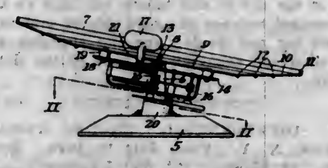
1. In a meat slicer machine, in combination, a rotary knife, a meat table, means for rotating said knife, and means for reciprocating said table past said knife, said knife rotating means and said table reciprocating means including driving means to bring said knife in a different angular position about its center relatively to said meat table during successive strokes of said meat table, and having means for changing said positions by uniform angular increments until a 360 degree cycle of positions is completed, said cycles being repeated indefinitely and a plurality of said cycles being required before any particular position of knife and table relatively to each other is exactly repeated.

1,626,903. MOLE TRAP. CHARLES A. WYMAN, Auburn, Wash. Filed June 20, 1925. Serial No. 38,403. 3 Claims. (Cl. 43—80.)



1. The combination with a trap frame having a slot, a plunger mounted for relative vertical movements to said frame, a sear spring for imparting downward movement to said plunger, said spring having one of its arms secured to the frame and its other arm extend through said slot into striking relation with the plunger, and a trigger fulcrumed to the frame, of connections between the trigger and the spring for releasably retaining the striking arm of latter in operative relation with respect to the plunger, said connections including a lever provided with a shoulder which is engageable with the spring for supporting the striking arm thereof and a trip arm controlled by the trigger for releasably retaining the lever in engaged relation with the spring.

1,626,904. GYRATORY PAN TOY. CHARLES ZABEL, Coraopolis, Pa. Filed Dec. 15, 1925. Serial No. 75,529. 8 Claims. (Cl. 272—35.)



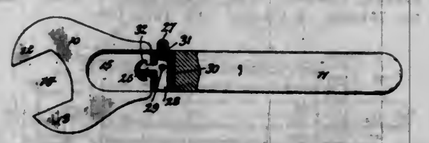
1. A toy including a track structure, a motor secured thereto, a shaft rotatably connected with the motor, a base, and an eccentric terminal on said shaft guided in the base.

1,626,905. NUTCRACKER. LOTHAR R. ZIFFERER, Columbia, Pa. Filed Feb. 15, 1926. Serial No. 88,288. 2 Claims. (Cl. 146—16.)



1. In a nut cracker, the combination of a pair of jaws interpivoted at one end, spring means tending to separate the jaws, an arm extended from the free end of one jaw to overlie the corresponding end of the other jaw, a rib extending longitudinally along the jaw last named, a lever having a slotted arm adapted to straddle the rib and bear against the jaw, and a pivotal connection between the lever and the arm which is extended from the other jaw, substantially as described.

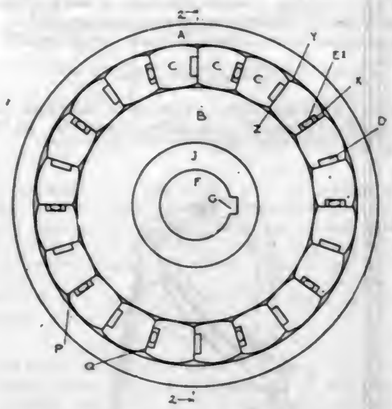
1,626,906. WRENCH. JOHN ZILLIOX, Orchard Park, N. Y. Filed Aug. 26, 1924. Serial No. 734,310. 1 Claim. (Cl. 81—119.)



A wrench comprising a head provided on its front end with a socket adapted to receive the article to be engaged and provided on opposite sides of its rear end with recesses which are separated by an intervening web, a handle bar provided with a longitudinal slot extending from its front end rearwardly and forming two arms, said slot being adapted to receive said web and said recesses being adapted to receive said arms, the rear end of said web being provided with a notch which is undercut on its opposite sides forming two forwardly facing shoulders, a T-shaped latch arranged within said slot and pivoted to said handle and having a hook projecting longitudinally forward from said pivot and adapted to engage with either of said shoulders and a cross-bar having its ends projecting

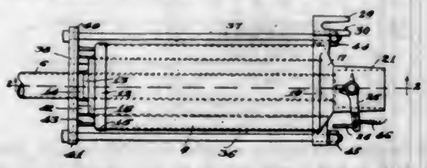
laterally in opposite directions from said pivot, one end of said cross-bar forming a finger-piece and having a slit in its rear side, and the other end of said cross-bar forming a stop which is adapted to engage with the rear end of the slot in said handle bar, and an L-shaped spring arranged between the rear side of said catch and the handle bar and having one end engaging said slit and the other end engaging the back of the slot in the handle bar.

1,626,907. DIFFERENTIAL. CIPRIANO ANDRADE, Jr., New York, N. Y. Filed July 9, 1924. Serial No. 725,065. 12 Claims. (Cl. 74—7.)



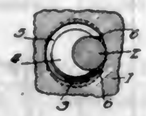
1. In a differential; a first driven member; a second driven member; a driving member with its locking surface cylindrical in form; a first plurality of locking members between the driving member and the first driven member, said locking members being arranged in contact with each other; a second plurality of locking members between the driving member and the second driven member, said locking members being arranged in contact with each other; and means whereby the first plurality of locking members and the second plurality of locking members are held from any substantial relative circumferential movement past each other about the circumference of the driven members.

1,626,908. MUFFLER CUT-OUT. FREDERICK A. ARMSTRONG, Sawtelle, Calif. Filed Dec. 6, 1924. Serial No. 754,325. 2 Claims. (Cl. 137—160.)



1. In a muffler, the combination of an exhaust pipe formed with an annular rib, spaced from its outer end, a muffler housing embodying end walls formed with openings through which said exhaust pipe extends, said muffler being arranged with its inner end wall abutting the rib on the inner side thereof, a yoke positioned astride said exhaust pipe adjacent the rib thereon, bolts connecting said yoke to the outer end wall of said muffler for retaining said inner end wall in place and also securing the muffler to the exhaust pipe, and a valve in said outer end wall adapted to open or close direct communication between the outer end of said exhaust pipe and the atmosphere.

1,626,909. BONDING PIN. LOUIS H. AYER, Chicago, Ill. Filed Feb. 9, 1923. Serial No. 617,969. 9 Claims. (Cl. 173—283.)

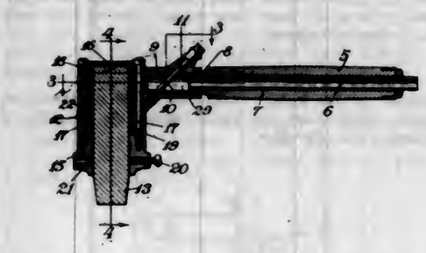


1. An electrical connector comprising a longitudinally grooved body having a tapered end portion, the remaining portion of the body having the same thickness throughout on a plane bisecting the groove, and of gradually increasing thickness on planes at right angles to the plane bisecting the groove.

1,626,910. FLOUR IMPROVER AND PROCESS OF MANUFACTURE. DAVID JULIAN BLOCK, Chicago, Ill., assignor to William D. Stein, Chicago, Ill. Filed Aug. 29, 1925. Serial No. 53,426. 5 Claims. (Cl. 99—10.)

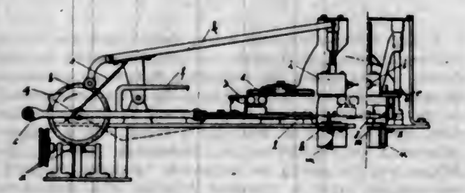
3. A flour improver comprising as its essential ingredients principally a monosaccharide and a non-injurious acid.

1,626,911. SOLDERING IRON. HENRY E. BRACH, Valparaiso, Ind.; Frances Brach administratrix of said Henry E. Brach, deceased. Filed Feb. 20, 1922. Serial No. 537,758. 4 Claims. (Cl. 158—26.)



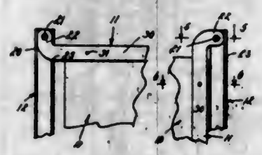
1. In a device of the class described, an open-ended holder comprising a casing, a handle connected to the side wall of said casing, a heating element insertable into one end of said casing, a cap forming a closure for the other end of said casing, and means for securing said casing, said element and said cap together, a soldering element insertable in said heating element, and means for securing said soldering element in said heating element in any adjusted position.

1,626,912. MACHINE FOR PRINTING AMPULLÆ. ALBERT BRAND, Munich, Germany. Filed Dec. 9, 1925, Serial No. 74,412, and in Germany Feb. 4, 1924. 1 Claim. (Cl. 101—40.)



A machine for printing ampullæ, comprising in combination with the machine frame a printing head containing positive type, a main driving shaft, means for communicating a reciprocating movement in vertical direction from said main driving shaft to said printing head, a rubber plate underneath said printing head, an elastic support for said rubber plate, an inking mechanism mounted on a carriage, means for communicating to said carriage of the inking mechanisms a forward and backward movement so that an ampulla placed by hand behind said rubber plate is rolled over said rubber plate by the moving carriage of the inking mechanism and the negative copy of the text printed onto said rubber plate by said descending printing head is transferred onto the ampulla.

1,626,913. SIGNAL. FRED A. BROWN, Los Angeles, Calif. Filed Apr. 23, 1923. Serial No. 634,167. 1 Claim. (Cl. 116—173.)



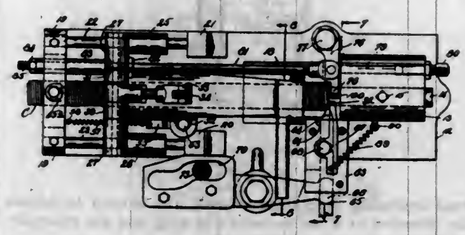
A danger signal including a base, a standard adapted to be detachably mounted on the base, an arm having an offset part at one end, a pin pivotally connecting the offset part of the arm to the upper end portion of the standard whereby the arm is movable between a position where its main part is parallel with the standard and a position where its main part extends laterally from the standard, the standard being formed with a notch which receives the offset part of the arm and which forms a shoulder in the standard to engage the main part of the arm and support it in the last mentioned position, a signal part carried by the arm, the signal part being of flexible material and carried by the arm to hang therefrom when the arm is in the last mentioned position and to wrap around the arm and standard when the arm is parallel to the standard, and tape on the signal part for securing it when wrapped around the arm and standard.

1,626,914. MACHINE FOR PLACING WASHERS ON UPSTANDING PINS. WILLIAM H. BROWN, Cleveland, Ohio, assignor to Dryden Rubber Company, a Corporation of Illinois. Filed Aug. 24, 1925. Serial No. 52,146. 21 Claims. (Cl. 18—1.)



1. In a machine of the class set forth, a rotary tumbler-barrel having around its edge a series of inclined notches leading into a series of radial channels, these channels being centrally deepened, a closure-plate for the open end of the tumbler-barrel, and a receiving-channel arranged in juxtaposition to the aforesaid radial channels.

1,626,915. APPARATUS FOR MAKING RINGS. EDWIN C. BUFFINGTON, Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company, Manchester, N. H., a Corporation of Rhode Island. Filed Jan. 26, 1926. Serial No. 83,860. 58 Claims. (Cl. 140—88.)



1. Apparatus of the class described comprising means for severing a turn from a helical coil, means for holding said turn during the severing operation and means forming said turn into a true ring, the turn being discharged from the forming means before the next turn is severed from the coil.

1,626,916. STABILIZATION OF PLASTICS. CHARLES E. BURKE, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 24, 1925. Serial No. 39,380. 9 Claims. (Cl. 106—37.)

4. A nitrocellulose plastic composition containing an ester of phenylglycine as a stabilizer.

7. A nitrocellulose plastic composition containing between one half per cent and five per cent of an ester of the phenyl derivative of amino-acetic acid.

1,626,917. RECEPTACLE CLOSURE. LESLIE R. N. CARVALHO, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a Corporation of Ohio. Filed July 5, 1923. Serial No. 649,576. 8 Claims. (Cl. 215—44.)

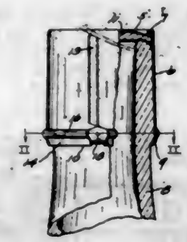


1. A sheet metal cap comprising a cover portion and a flange portion projecting downwardly therefrom, said flange portion being bent outwardly to form an annular rib, the bottom portion of the flange being bent outwardly horizontally beneath said rib closely adjacent thereto and parallel therewith to provide a smooth substantially flat annular double fold surface at the bottom of said flange.

1,626,918. RECEPTACLE CLOSURE. LESLIE R. N. CARVALHO, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a Corporation of Ohio. Filed July 5, 1923. Serial No. 649,577. 15 Claims. (Cl. 215—46.)

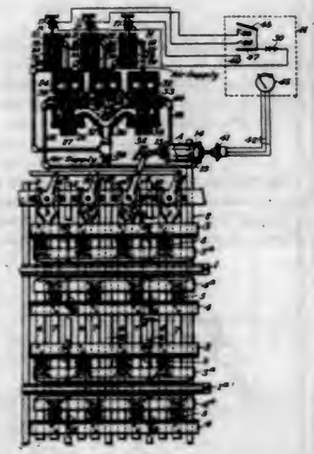
1. A closure comprising a cover portion and a skirt or flange, said flange being circumferentially scored adjacent its lower edge to provide a removable strip comprising

that portion of the flange between the score and bottom edge of the flange, said strip being formed with a hollow



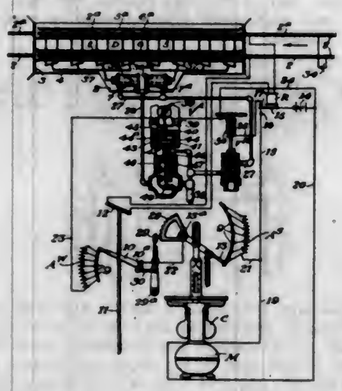
bead extending lengthwise thereof and shaped to permit the insertion of a tool between the strip and the container to which the closure is applied.

1,626,919. RAILWAY BRAKING APPARATUS. JOHN P. COLEMAN, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1924. Serial No. 759,209. 17 Claims. (Cl. 303—20.)



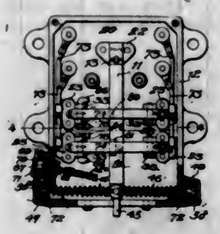
1. Railway braking apparatus comprising a brake bar in the trackway, a cylinder, a piston in said cylinder operatively connected with said brake bar, a first main valve normally closed and arranged when opened to admit air to one end of said cylinder to move said brake bar into engagement with a part of a vehicle, a first pilot valve for controlling said first main valve, a second main valve normally open to connect the said end of the cylinder to atmosphere, a second pilot valve for controlling said second main valve, a third main valve normally closed and arranged when opened to admit air to the other end of said cylinder to release the brake bar, a third pilot valve for controlling said third main valve, and electrical means for controlling said pilot valves from a distant point.

1,626,920. RAILWAY-CAR RETARDER. JOHN P. COLEMAN, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1925. Serial No. 16,329. 41 Claims. (Cl. 303—22.)



1. In combination, a car retarder, and means controlled jointly by the weight of a car and by the speed of a car approaching the retarder for varying the braking effort exerted by the retarder.

1,626,921. SAFETY ATTACHMENT FOR AIRCRAFT. THEODORE DOUGLAS, Scarboro, N. Y., assignor to Duplex Engine Governor Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 24, 1919. Serial No. 272,958. 9 Claims. (Cl. 200—52.)

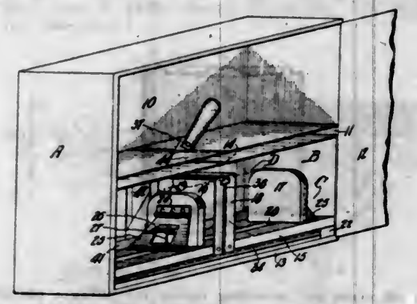


1. The combination of an element mounted to be movable in response to a shock, a pair of springs engaging said element, means for adjusting said springs, and a third spring adjustably mounted adjacent said element to prevent operation thereof except under predetermined conditions.

1,626,922. CULINARY APPARATUS. CHARLES F. DOWNS, Cleveland, Ohio. Filed Aug. 10, 1925. Serial No. 49,335. 10 Claims. (Cl. 146—150.)

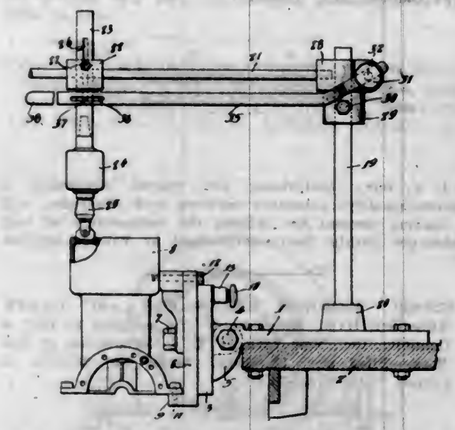
1. An apparatus of the character described including, a table to support an object, a bracket attachable to and removable from said table and adapted to be moved on said table to abut one end of the object, a bracket attachable to

and removable from said table and adapted to be moved on said table to abut the other end of the object, and each



of said brackets provided with means to automatically engage said table and thereby lock the bracket in the position it is moved to.

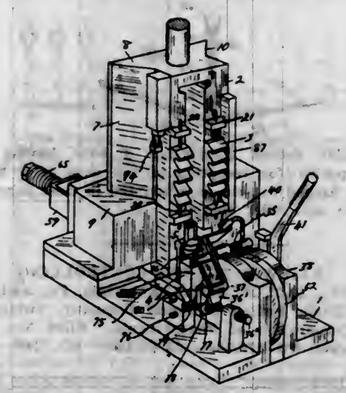
1,626,923. UNIVERSAL BENCH MOTOR STAND. WILLIAM MARTIN DRENNON, Anaheim, Calif. Filed Dec. 10, 1924. Serial No. 754,973. 5 Claims. (Cl. 29—89.)



1. In a bench stand for supporting the cylinder block of an engine, the combination of a base-plate constructed to rest upon the bench, a rotary head supported on the base-plate so as to rotate on a horizontal axis, said head having a transverse shoulder to be engaged by the flange of the cylinder block, a bolt carried by the rotary head on the opposite side of the said axis of rotation for connection to regular tapped holes in the block, means for holding the rotary head in a plurality of different positions, a post extending up from the base-plate, a radial arm carried by the post, and a carriage movable along the arm for supporting a motor for driving a vertical tool to operate upon the block.

1,626,924. MACHINE FOR TRIMMING THE EDGES OF BEARING OR LIKE SECTIONS. CHARLES W. EGGENWEILER and WILLIAM J. FIEGEL, Detroit, Mich., assignors, by mesne assignments, to Bohn Aluminum and Brass Corporation, a Corporation of Michigan. Filed Nov. 17, 1924. Serial No. 750,502. 36 Claims. (Cl. 90—33.)

27. In a machine for trimming bearing or like sections, the combination with a clamping member having a concave face with a radius equal to the radius of the outer face of the final bearing or like section, of a cooperating clamping member engageable with the inner face of the bearing or like section for forcing its outer face



into contact with the concave face of said first-mentioned clamping member, and means for trimming the side edges of the bearing or like section while held between said clamping members.

1,626,925. ALLOY. VAHAN FENER, Chicago, Ill. Filed Jan. 14, 1926. Serial No. 81,314. 1 Claim. (Cl. 75—1.)

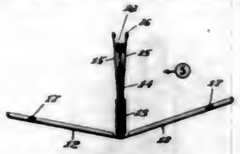
An alloy comprising copper in the proportion of substantially 100 pounds to tin varying from 3 to 25 pounds, modified by the addition of ammonium chloride approximately one pound, and potassium ferrocyanide varying from 5 to 25 drachms while the metals are in molten condition.

1,626,926. FLEXIBLE SWAB. ELWIN W. FORROW, Anaheim, Calif. Filed May 19, 1925. Serial No. 31,309. 11 Claims. (Cl. 103—225.)



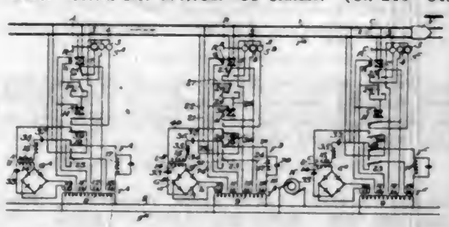
1. In a swab of the class described, the combination of a plurality of sections, means for connecting the sections in flexible relation and cup shaped packing members mounted on the connecting means between said sections and a fluid passage formed through the said sections and through the said connecting means.

1,626,927. TOILET ARTICLE. WILLIAM FRIEDMAN, New York, N. Y. Filed Feb. 12, 1926. Serial No. 87,812. 7 Claims. (Cl. 132—79.)



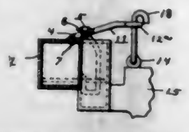
1. A toilet article comprising a base having an elongated pocket for reception of the base of a filler, and covers hinged to said base adapted to close together and enclose said filler therein.

1,626,928. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. PAUL H. GEIGER, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 24, 1923. Serial No. 676,731. 38 Claims. (Cl. 246—34.)



1. Railway traffic controlling apparatus comprising means responsive to traffic conditions in advance for at times supplying periodic current at one frequency to the track rails of a section, and for at times supplying said rails with alternating current of one relative polarity or the other at another frequency, and governing means responsive to said currents.

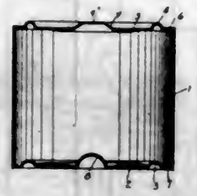
1,626,929. UNCOUPLING LEVER. CARL M. GOLDINGER, Tarentum, Pa., assignor to Walter P. Murphy, Chicago, Ill. Filed June 15, 1921. Serial No. 477,767. Renewed Oct. 1, 1926. 6 Claims. (Cl. 213—170.)



1. In an uncoupling device for car couplers the combination with a car coupler having an automatic lock pin provided with an eye, of a substantially U shaped rigid lock pin lifting link loosely journalled at its bottom in the eye of the pin, and forwardly extending open bend portions at the top of each leg of the link, and two independently mounted levers, a flexible operative connection between each of said levers and each leg of the link, whereby the link and pin may be raised by either lever independently and without disturbing the normal position of the other lever, and whereby the lever operated may return to normal position without disturbing the lock set position of the lock pin.

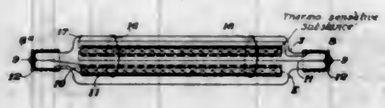
1,626,930. CONTAINER. CHARLES C. GROGG, Mansfield, Ohio. Filed Sept. 11, 1925. Serial No. 55,705. 2 Claims. (Cl. 220—97.)

1. In a container of comparatively small size, a body portion of uniform size, a closure member of the same size as the body portion for the body provided with an annular rib, another closure member of the same size as the first closure member provided with an annular groove, both closure members being constructed complementary



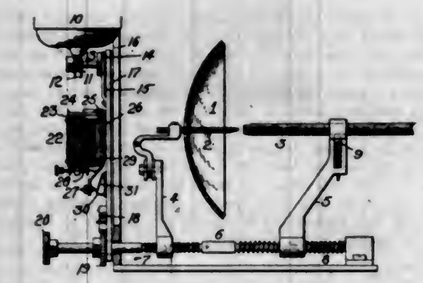
to each other for providing means for piling a plurality of containers symmetrical in alignment with each other and maintaining the equilibrium of said containers, when piled upon each other.

1,626,931. ELECTRICAL RELAY. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 27, 1921. Serial No. 525,097. 14 Claims. (Cl. 179—171.)



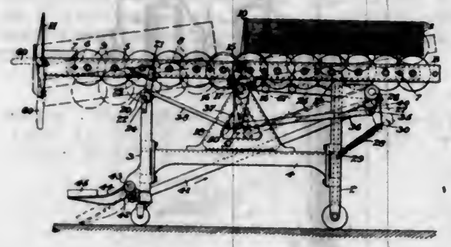
1. A relay comprising two spaced electrodes, a thermo-sensitive substance between said electrodes, and a heating element for varying the temperature of said substance within limits determined by voltage applied.

1,626,932. FEEDING MEANS FOR ARC LAMPS. THEODORE HALL, Brooklyn, N. Y., assignor to Hall & Connolly, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 13, 1923. Serial No. 668,273. 5 Claims. (Cl. 176—76.)



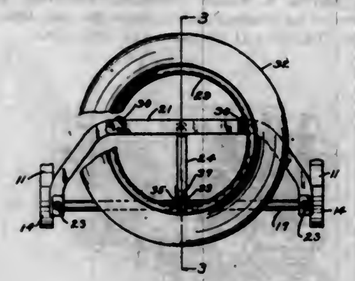
1. In a feeding mechanism for projector lamps, the combination with a control coil connected across the arc, of motive means for effecting the feed, a pair of contacts governed by the coil and in circuit with said means to render the same operative, one of said contacts having an inclined face and being connected to said means so as to be moved transversely to the other contact for the purpose specified.

1,626,933. RECEIVING BANK. EDGAR M. HAWKINS, Rochester, N. Y., assignor to M. D. Knowlton Company, Rochester, N. Y., a Corporation of New York. Filed June 9, 1925. Serial No. 35,865. 23 Claims. (Cl. 193—40.)



1. A receiving bank comprising a frame, a work-receiving table mounted thereon, means for moving said table from a generally horizontal work-receiving position to an inclined work-shifting position, a work holding stop intermediate the length of the table, and means for moving said stop to releasing position when the table is tilted.

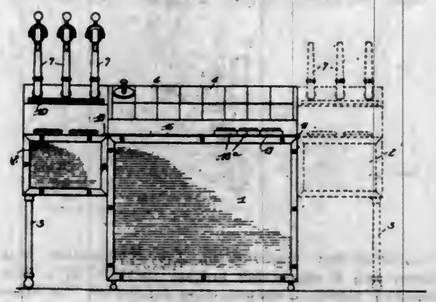
1,626,934. TIRE CARRIER. GUY P. HENRY, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed July 25, 1925. Serial No. 46,119. 2 Claims. (Cl. 224—29.)



1. In a motor vehicle, the combination with frame side members and a cross-member, means for supporting a spare rim thereon comprising an inverted U-shaped frame secured at its free ends to said side members, means on said U-shaped frame for supporting a rim, and a brace for said U-shaped frame rigidly connected to the central portion thereof and extending rearwardly and downwardly to receive a clamping member, the lower portion of said brace being bent forwardly and downwardly to provide a rim abutment.

1,626,935. BEVERAGE COOLING AND DISPENSING APPARATUS. FREDERICK W. HOLDERLE and CARL L. HOLDERLE, Rochester, N. Y. Filed Jan. 18, 1926. Serial No. 82,033. 11 Claims. (Cl. 225—28.)

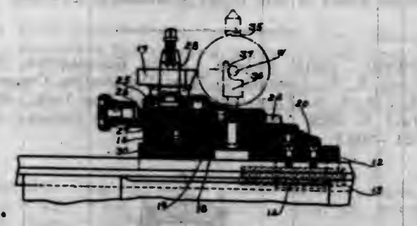
1. In a beverage cooling and dispensing apparatus, the combination with a central cooler unit, of a reversible sink and draft arm end unit, attachable at either end of the central unit, and a drain board reversibly positionable on the cooler unit so as to cooperate with a sink and draft arm unit at either end of the cooler unit.



4. In a beverage cooling and dispensing apparatus, the combination with a cooler compartment and rinsing sink, of a cover for the cooler compartment consisting of a drain board that is slidable over the sink.

11. The combination with a cooler compartment and adjacent rinsing sink, of a cover slidable along over the cooler compartment and over the sink.

1,626,936. BALL-TURNING DEVICE. WALTER E. INGHAM, Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 14, 1924. Serial No. 713,263. 3 Claims. (Cl. 82—12.)



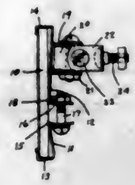
2. A ball turning rest for lathes comprising in combination, a cross slide, a supporting plate adjustably secured thereto, a rotatable member retained in said supporting plate, a cutting tool adjustably mounted on said rotatable plate, a member inserted in said rotatable member, a member inserted in the axis of rotation of said rotatable plate and adapted to engage a member mounted for rotation in said lathe, whereby the axis of rotation of said rotatable member will intersect the axis of rotation of work being in said lathe.

1,626,937. NECKTIE HOLDER. ARNO KAUFMANN, Pforzheim, Germany. Filed Mar. 23, 1926, Serial No. 96,769, and in Germany Mar. 30, 1925. 2 Claims. (Cl. 24—61.)



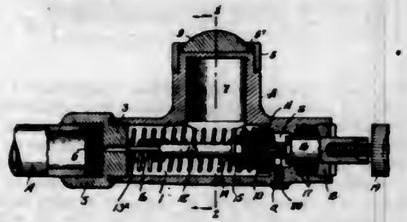
1. A neck-tie holder comprising in combination, a capsule, and a wire frame on which the tie is supported, the ends of said bent wire frame forming the locking springs in said capsule and being held between the front and rear walls of said capsule.

1,626,938. REAR-VIEW-MIRROR SUPPORT. BERT F. KELLY, Indianapolis, Ind., assignor to Parts Corporation, Indianapolis, Ind., a Corporation. Filed Dec. 21, 1925. Serial No. 76,720. 2 Claims. (Cl. 45—97.)



1. In a rear view mirror, the combination with a mirror and a supporting bracket therefor, of a pair of clamping plates, U-shaped clips formed on the opposite ends of said plates having a downwardly protruding lip for engaging over the front edge thereof and spaced from the relatively long shank portion of the plate at a greater distance than the width of the mirror, the intermediate portion of the U-shaped clip engaging the rear edge of the mirror, whereby the relatively long shank portion of the plate will extend inwardly at an angle to the rear surface thereof, rearwardly extending ears bent outwardly from the opposite end of the shank portion of said plate from the U-shaped portion, and a bolt extending through and drawing said ears together at a distance from the point of contact with the rear surface of the mirror for causing said plates to bear against said surface as a fulcrum at said point of contact and impart oppositely directed forces to said U-shaped clips whereby the mirror will be clamped between said clips and the fulcrum points of said plates intermediate its edges.

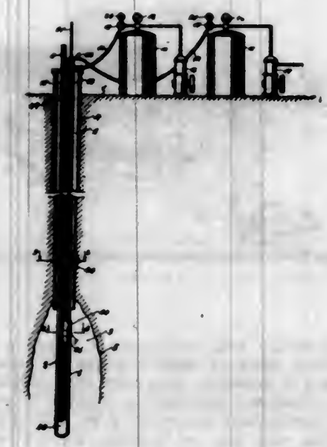
1,626,939. SOAP VALVE. LOUIS KOOPERSTEIN, New York, N. Y., assignor to West Disinfecting Company, New York, N. Y., a Corporation of New York. Filed June 9, 1926. Serial No. 114,731. 3 Claims. (Cl. 221—102.)



1. A soap valve comprising a casing provided with an inlet and an outlet passage, a valve disk normally shutting off the outlet from the inlet, a rod supported by the valve disk and provided with a duct normally closed by the disk, means carried by the rod for closing the inlet and means for successively actuating the rod and the valve disk to first close the inlet and open the duct for passage of soap to the discharge outlet and secondly permit the passage of soap around the valve disk to the outlet.

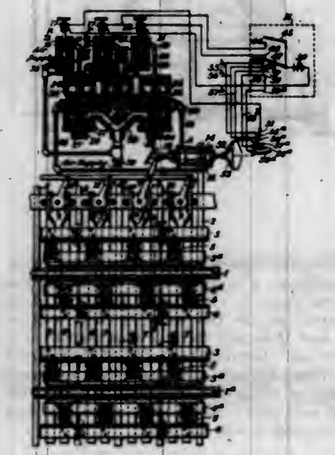
1,626,940. BURNER FOR OIL-WELL CLEANERS. WILLIAM A. J. KREAGER, Denver, Colo. Filed Dec. 19, 1925. Serial No. 76,460. 5 Claims. (Cl. 166—16.)

1. An apparatus for burning gas, comprising in combination, a burner head having an opening for the passage of air and another opening for the passage of gas, a cylindrical member attached to the burner head at one end and having the other end closed, a flue for the escape of products of combustion attached to said cylindrical member near the closed end, means for introducing air and gas in proper proportions to produce a combustible



mixture, means for intimately mixing the air and gas at the point of entrance and means for introducing any additional air for the purpose of enveloping the flame.

1,626,941. RAILWAY BRAKING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1924. Serial No. 759,205. 11 Claims. (Cl. 303—20.)

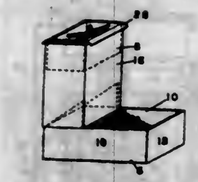


1. Railway braking apparatus comprising a brake bar located in the trackway, a fluid pressure motor for operating said bar, a plurality of contacts successively actuated as the pressure supplied to said motor increases, and means including said contacts for supplying fluid pressure to said motor.

1,626,942. CALCIUM ARSENATE PRODUCTS AND PROCESS OF MAKING THE SAME. WILLIAM J. LIPPERT, Timonium, Md., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Feb. 6, 1924. Serial No. 691,025. 9 Claims. (Cl. 23—53.)

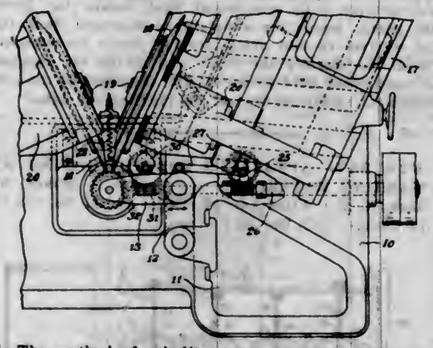
1. The process which consists in causing precipitated calcium arsenate material to become converted into the form of a swelling paste-like mass and then treating said paste-like mass for the recovery therefrom of small, uniform, rounded, solid particles of product.

1,626,943. DISPENSING DEVICE. GORDON THOMAS LYONS, Los Angeles, Calif. Filed May 21, 1926. Serial No. 110,795. 4 Claims. (Cl. 206—31.)



2. The combination with a match box equipped with a slidable cover, of a holder comprising an upstanding tongue, a delivery portion, beveled guide projections associated with said delivery portion, said tongue and said projections being adapted to guide and support said match box as said box is pushed down thereon to feed the matches to said delivery portion, and a removable burned match container associated with the upper space of said match box.

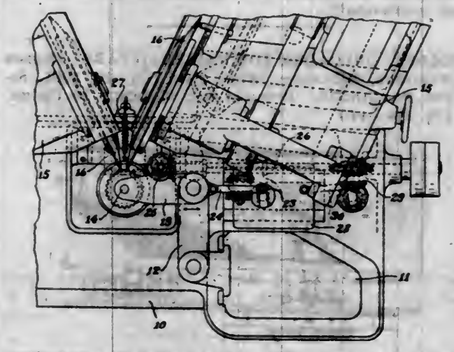
1,626,944. GEAR GRINDER. MAX MAAG, Schwamendingen, Switzerland, assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland, a Corporation of Switzerland. Filed Nov. 30, 1923. Serial No. 677,841. 11 Claims. (Cl. 51—52.)



1. The method of grinding tooth curves of gears comprising supporting a gear so that it may be moved in any direction while its axis is maintained in parallel positions, rolling said gear blank past an abrasive wheel, returning the blank to its initial position without further rolling movements, and moving said blank into and out of relation with said wheel in timed relation with the rolling movements.

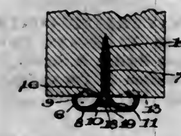
1,626,945. GEAR GRINDER. MAX MAAG, Schwamendingen, Switzerland, assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland, a Corporation of Switzerland. Filed Nov. 30, 1923. Serial No. 677,842. 7 Claims. (Cl. 51—52.)

1. The method of grinding the tooth curves of a gear comprising rolling a blank past a grinding wheel through a distance substantially equal to its circular pitch, withdrawing said gear from contact with said wheel, indexing said gear between successive rolling and withdrawing motions, returning said gear to engage said wheel, and



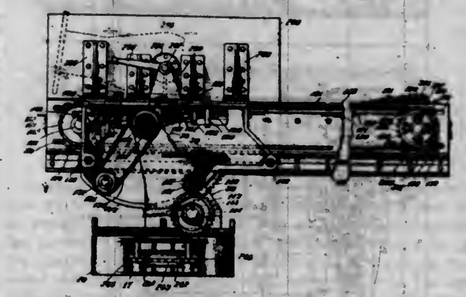
continuing said rolling and indexing motions in timed relation to each other while the gear is being advanced in the direction of the rolling motion.

1,626,946. ANTIFRICTION TIP FOR FURNITURE. FRANK MACEY, Milwaukee, Wis. Filed Mar. 9, 1922. Serial No. 542,336. 4 Claims. (Cl. 16—42.)



1. In an anti-friction tip for furniture, the combination of a cup-shaped floor-engaging member having a recessed central portion and an annular floor-engaging portion, and a brad having spaced cooperative flanges on its head end fixedly clamping it to said recessed central portion out of contact with the floor.

1,626,947. CAR LOADER. GEORGE MANIERRE, Milwaukee, Wis. Filed Nov. 14, 1921. Serial No. 514,972. 25 Claims. (Cl. 198—3.)

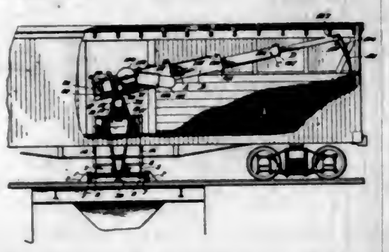


8. In a device of the character described, the combination of an endless conveyor, a motor for actuating the same, a frame structure for the conveyor, a tilting support on which the frame structure is carried, the frame structure being provided with guideways and the tilting support having rollers co-acting with said guide-ways, means controlled by the motor for longitudinally displacing the frame structure on said guide-ways and rollers, and means controlled by the motor for tilting said support.

9. In a device of the character described, the combination of an endless conveyor, a motor for actuating the

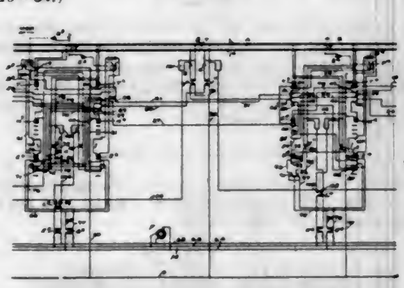
same, a countershaft from which the drive of the conveyor is derived, a supporting structure for the conveyor, and means for tilting said support about the axis of said countershaft.

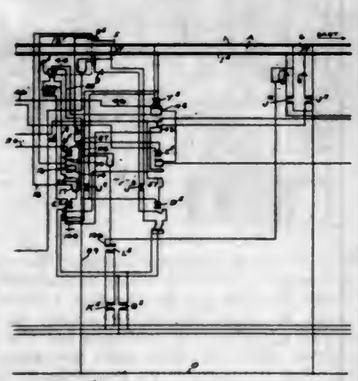
1,626,948. UNLOADER FOR RAILROAD CARS. GEORGE MANIERRE, Milwaukee, Wis. Filed Nov. 16, 1921, Serial No. 515,578. Renewed Oct. 6, 1926. 30 Claims. (Cl. 214—44.)



1. In an unloader, a supporting structure, including an angular bracket projecting laterally and upwardly from the structure, a boom structure carried by said bracket, and means carried by the boom structure for extending and contracting the same.

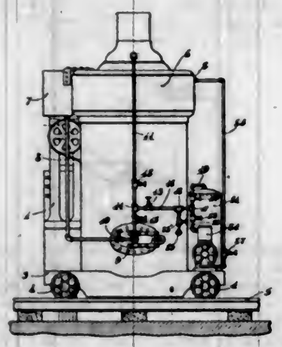
1,626,949. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 24, 1923. Serial No. 659,103. 6 Claims. (Cl. 246—34.)





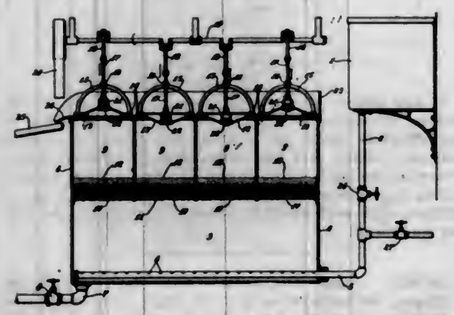
1. In combination, a stretch of railway track provided with track circuits, two signals governing traffic in one direction along said track, means for controlling the rear signal by the forward signal and by the intervening track circuits, normally inactive means controlled by a portion of the controlling means for the rear signal for supplying train governing energy to the track in advance of the rear signal, and means controlled by a train approaching said rear signal for rendering said last mentioned means active.

1,626,950. STEAM-GENERATING APPARATUS. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 23, 1921. Serial No. 454,778. 8 Claims. (Cl. 158—36.)



1. In a steam generating apparatus, a plurality of oil fired steam generating devices each having a steam storage chamber and an oil atomizer burner, means including a pump carried by one of said devices for filling the storage chambers of the others of said devices with compressed fluid after the generation of steam in said latter devices has ceased, a fluid receiver carried by the device which carries the pump, said pump being adapted to fill said receiver with compressed fluid, means for driving said pump, means for supplying compressed fluid from said receiver to said pump-carrying device for atomizing the oil for starting the same, and means for supplying the compressed fluid stored in said chambers of the other devices for atomizing the oil for starting the same.

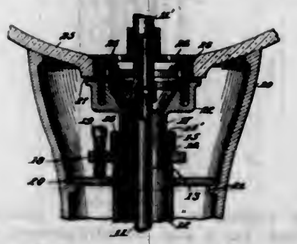
1,626,951. APPARATUS FOR THICKENING AND WASHING MATERIALS. ASHELEIGH S. MOSES, New York, N. Y. Filed Apr. 17, 1922. Serial No. 554,121. 11 Claims. (Cl. 92—32.)



8. In the art of concentrating wet pulp or like material, the process, comprising, filtering the liquor from the material by passing the liquor upwardly through the filtering medium, applying periodically a downward pressure to the liquor in order to dislodge the filtered material downwardly from the filtering medium, and accumulating the filtered material below the filtering medium.

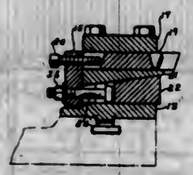
9. In the art of concentrating wet pulp or like material, the process, comprising, filtering the liquor from the material by passing the liquor upwardly through the filtering medium, applying periodically alternate opposite pressures to the liquor, whereby the liquor is forced upwardly through the filtering medium and the filtered material is dislodged downwardly therefrom, and accumulating the filtered material below the filtering medium.

1,626,952. SLIP-JOINT COUPLING. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed July 21, 1920. Serial No. 397,824. 5 Claims. (Cl. 285—162.)



1. The combination with a pipe to be coupled having an exteriorly threaded end, of a correspondingly interiorly threaded coupling connected to said pipe, a recess in said coupling, an interiorly projecting packing seated in said recess, a clamping plate encircling said pipe, a second pipe telescoping said first mentioned pipe and in frictional engagement with said packing, a flange projecting outwardly from said coupling having a plurality of openings therein, and means extending through said openings for maintaining the clamping plate in position.

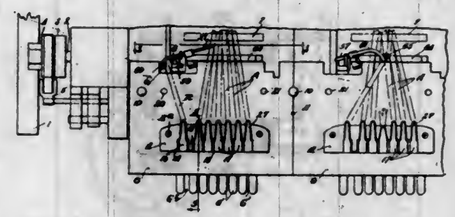
1,626,953. TOOL POST. FRIEDERICH MÜLLER, Elizabeth, N. J., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Original application filed Dec. 14, 1921, Serial No. 522,304. Divided and this application filed Dec. 7, 1923. Serial No. 679,218. 8 Claims. (Cl. 82—36.)



1. In a tool post, the combination with a frame, a top plate secured to the frame, and a cutting tool mounted in said frame, said cutting tool having the rear end formed at the same angle as the relief angle at the front end, of means for adjusting the longitudinal position of the cutting tool, and means for holding the tool in engagement with the top plate.

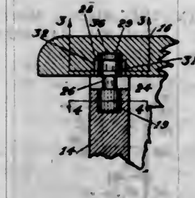
1,626,954. PIECE-UP MECHANISM FOR TEXTILE MACHINES. ROBERT E. NAUMBURG, Winchester, Mass. Filed July 11, 1925. Serial No. 42,957. 31 Claims. (Cl. 19—157.)

1. A machine of the class described comprising means for moving a group of active slivers in the same general direction, a holder for a reserve sliver common to the group, said holder normally being laterally removed from said group, and means responsive to breakage or exhaustion of any of said active slivers to move the reserve



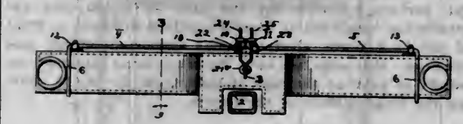
sliver holder to a position such as to cause substitution of the reserve sliver for any such broken or exhausted sliver.

1,626,955. DESK BUMPER DEVICE. ALBERT S. NEWTON, Providence, R. I. Filed Oct. 8, 1926. Serial No. 140,267. 4 Claims. (Cl. 16—86.)



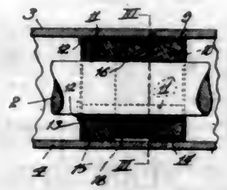
1. In a device embodying a movable member and a relatively fixed member, the combination with such members, of a plug embedded in one of said members and projecting therefrom, a sleeve embedded in the other of said members, and an elastic plug embraced by the sleeve in alignment with the first plug.

1,626,956. UNCOUPLING LEVER. CHARLES W. NICHOLAS, Tarentum, Pa., assignor to Walter P. Murphy, Chicago, Ill. Filed June 15, 1921, Serial No. 477,784. Renewed Oct. 1, 1926. 8 Claims. (Cl. 213—170.)



1. In a release rigging for car couplers the combination with two independently mounted levers on a car, an operating handle on the outer end of each lever depending normally in a substantially vertical position and lying against the end structure of the car, a crank on the inner end of each lever projecting forwardly from the car structure and terminating in an eye, of a single rigid member operatively connecting said cranks with the lock pin of the coupler, said member comprising two spaced arms terminating in a stop at their upper ends and a single open hook uniting the lower ends of said arms: said arms engaging the eyes of said cranks and vertically slidable therethrough, and said hook constructed to engage the lock pin of a coupler, whereby the member may be elevated as a unit by either lever to lift the lock pin without disturbing the normal position of the other lever and whereby the lever operated may return to its normal position without disturbing the lock set position of the lock pin.

1,626,957. OIL PACKING FOR INCLOSED AXLES OR SHAFTS. ERNEST E. NOBLE, Yale City, Okla. Filed Mar. 8, 1922. Serial No. 541,959. 2 Claims. (Cl. 286—5.)



1. The combination of a housing, a shaft located in said housing, a lapped split pliant band mounted on said shaft, compressing means encircling said band, a washer located on each side of said band in frictional engagement therewith, and with the inner periphery of said housing for preventing said band from being turned by said shaft, and a retaining cage for supporting said band and said washers in abutting relation having apertures so that portions of said washers can engage said housing.

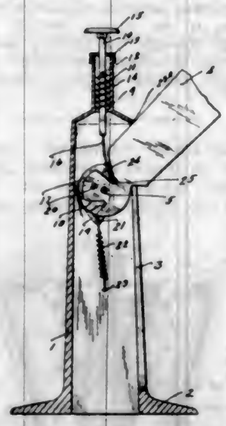
1,626,958. ILLUMINATED SIGN. MORTIMER NORDEN, New York, N. Y. Filed Feb. 14, 1924. Serial No. 692,677. 1 Claim. (Cl. 40—130.)



An illuminated sign comprising a back plate, a housing extending longitudinally along the top of said plate, another like housing at its bottom, solid letters having a dull surface, supports for the same to which they are detachably connected at a predetermined distance in front of the back plate, electric lamps supported within said housings, the edge of each housing being inclined inwardly to prevent the rays of light from the lamps striking the front surface of the letters.

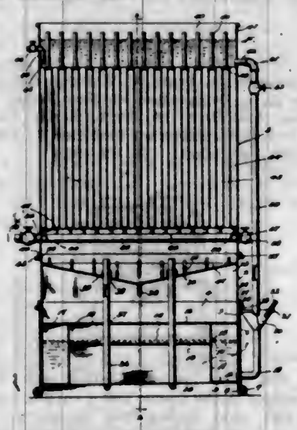
1,626,959. TABLE SIGNALING DEVICE. LOUIS R. NYE, Portland, Oreg., assignor of forty-nine per cent to William O. Gallaway, Portland, Oreg. Filed Jan. 27, 1926. Serial No. 84,114. 2 Claims. (Cl. 116—132.)

2. In a table signaling device, the combination of an upright body portion having an outwardly projecting base, there being a longitudinal opening formed in said body portion; an arm pivotally mounted within said body portion adjacent the upper end thereof, and adapted to having an arrested rocking movement imparted thereto; said arm being adapted to pass through said longitudinal opening and to normally rest in said body portion; oppositely positioned and inwardly disposed notches formed on the inner end of said arm; the relative positions of said notches being changed from raised to lowered position, or vice versa, as said arm is rocked on its pivotal mounting; a sliding stem vertically mounted through the top of said body portion, and terminating at its lower end in a contacting rod engageable with the notch in the upper position to move the same down to lower position, at the same time rocking the arm and raising the notch theretofore in lower position, to upper position subsequently engageable by said contacting rod, a compression spring mounted about said



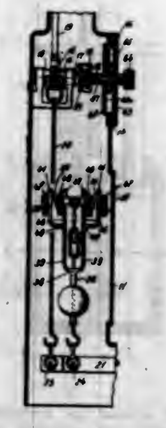
stem and adapted to disengage said contacting rod of said notches; and a yoke pivotally mounted to said arm adjacent its inner end and at a point spaced between said notches and adapted by means of a tension spring, having one end secured to said yoke and the opposite end secured to the upright body portion to maintain said arm stationary at the point of arrest of its rocking movement.

1,626,960. WATER STILL. ENNON V. OLIVER, Portland, Oreg. Filed Dec. 4, 1923. Serial No. 678,451. 11 Claims. (Cl. 203—5.)



1. In distilling apparatus, a generator comprising a hollow body, a preheating chamber extending about the interior of the body and including walls spaced from the walls of the body, means for supplying fluid to be distilled to the preheating chamber, a plate supported by and within the boundaries of the said walls of the preheating chamber and constituting, in connection with the upper portions of said walls, a generating chamber, the said upper portions of the walls above and relatively close to the said plate being formed with openings to provide for supply of the fluid from the preheating chamber to the generating chamber in a relatively shallow pool extending over the surface of the said plate.

1,626,961. PORTABLE SCALE. LOUIS ASHLEY OSGOOD, Dayton, Ohio, assignor, by mesne assignments, to International Scale Company, Dayton, Ohio, a Corporation of Illinois. Filed Mar. 16, 1920. Serial No. 366,223. 12 Claims. (Cl. 265—62.)



1. In a scale having a weight moved element and a pendulum counterbalancing means adapted to be variably displaced thereby in accordance with varying loads on the scale, in combination a plurality of counterbalancing pendulums, an aligned pivot mounting for all said pendulums, oppositely extending crank arms adapted to actuate said pendulums, an evener bar disposed below said crank arms, means connecting said crank arms and said evener bar and connections between said evener bar and said weight moved member.

1,626,962. GASKET. FRANK J. OVEN, Chicago, Ill., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 31, 1921. Serial No. 526,163. 7 Claims. (Cl. 288—1.)



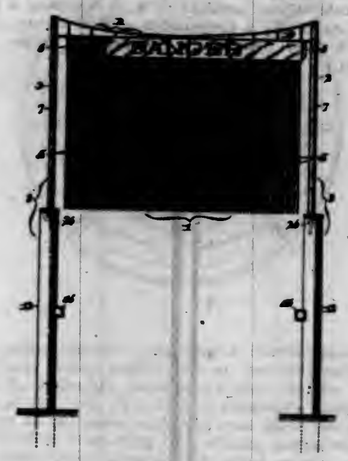
6. In a gasket, the combination with an annular structure having a circumferential recess and formed with laterally projecting flanges, of a seamless reinforcing member arranged within said annular structure with its edges overlapping the edges of said flanges.

1,626,963. WEIGHING SCALE. LOUIS A. OSGOOD, Dayton, and ELMER E. WOLF, Springfield, Ohio, assignors to International Scale Company, Dayton, Ohio, a Corporation of Illinois. Filed July 25, 1922. Serial No. 577,316. 31 Claims. (Cl. 265—62.)

1. A pendulum load counterbalancing means for a weighing scale comprising in combination, a pair of pendulums having hub portions for said pendulums, a bearing member intermediate said hub portions, a flexible suspension means wrapped upon said hub portions and cooperating with said bearing member, and load transmitting flexible members wrapped upon said hub portions in an opposite direction to the aforesaid suspension means, and a common load transmitting element to which said last mentioned flexible members are connected.



1,626,964. GRADE-CROSSING GATE. JOSEPH DAVID PAUL, Philadelphia, Pa. Filed Dec. 2, 1924. Serial No. 753,428. 7 Claims. (Cl. 39—1.)

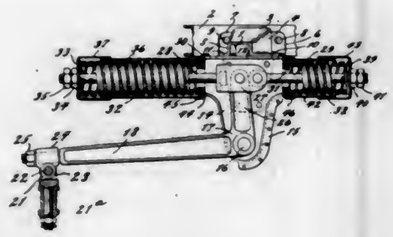


1. A grade crossing gate with supporting columns at opposite sides of the roadway to be protected; said gate comprising rods movable vertically in the columns, a flexible barrier hung crosswise between the upper ends of said rods by a catenary suspension, mechanism co-ordinating movement of the rods aforesaid to elevate the gate, latching means effective to restrain the movable rods when raised, said latching means when retracted permitting the gate to descend by gravity, and electromagnetic means controlling the aforesaid elevating mechanism and latching means.

1,626,965. FIRE-KINDLING MATERIAL. PETER L. PAULSON, Clinton, Minn. Filed Sept. 7, 1926. Serial No. 134,130. 3 Claims. (Cl. 44—34.)

1. A kindling composition of the class described, including, in a mixture, resin, wood shavings, rubber, coal tar creosote oil, gasoline, and celluloid.

1,626,966. SPRING-SUSPENSION DEVICE OR SHOCK ABSORBER. ERIC J. PILBLAD, Brooklyn, N. Y., assignor to Russel Sutherland Smart, Ottawa, Canada. Filed Apr. 21, 1924. Serial No. 707,820. 24 Claims. (Cl. 267—20.)



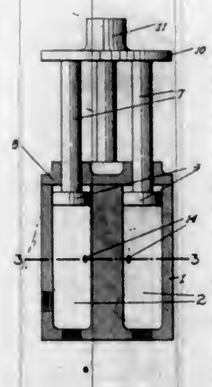
11. In a suspension device of the character described, a horizontally extending arched and flanged bracket and a vertically extending supporting member connected thereto.

1,626,967. GOLF-CLUB SHAFT. WILLIAM F. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Jan. 24, 1927. Serial No. 163,187. 6 Claims. (Cl. 273—81.)



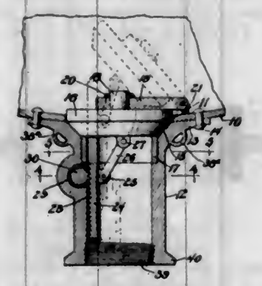
1. A metallic golf club shaft having an encircling hand grip sleeve of relatively firm material united to the shaft by an interposed member of torsionally distortable material having an inherent quality of returning to normal position after distortion.

1,626,968. LIQUID-CONTROL MEANS FOR HYDRAULIC BRAKES. LAURENCE L. RECKLER, Westwood, Calif. Filed Nov. 11, 1925. Serial No. 68,320. 1 Claim. (Cl. 188—152.)



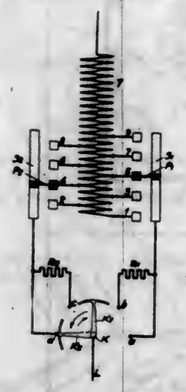
A fluid control means for hydraulic brake systems comprising a plurality of cylinders, having outlets for connection to individual pipes, plungers in the cylinders, a common means for enabling all said plungers to be operated simultaneously, the cylinders between the inner ends of the plungers and the outlets being arranged to be maintained filled with a liquid, there being communicating passages between the cylinders intermediate the limits of travel of the plungers.

1,626,969. OUTLET VALVE. GEORGE G. REEVES, Shreveport, La. Filed Feb. 6, 1926. Serial No. 86,504. 5 Claims. (Cl. 251—16.)



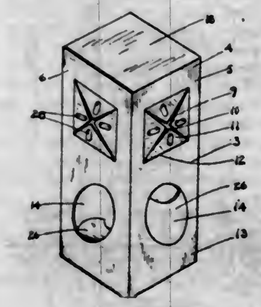
2. In combination, a housing adapted to be secured to a container and having an outlet passage therethrough, a valve for closing the inner end of said passage and formed with an inwardly projecting stem, a yoke pivoted at one side of the passage and secured to said stem, said housing being formed with a longitudinal dovetail channel in its inner face and having an extension outside said channel with a transverse bore therein, a rack bar reciprocable in said channel, a link connecting the rack bar to the valve, a mandrel in said bore having teeth meshing with said rack bar, and means connected with said mandrel for rotating the same to open or close the valve.

1,626,970. VOLTAGE REGULATOR FOR TRANSFORMERS. ADOLF ROOTH, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Corporation of Sweden. Filed Mar. 17, 1926, Serial No. 95,281, and in Sweden Mar. 18, 1925. 2 Claims. (Cl. 171—119.)



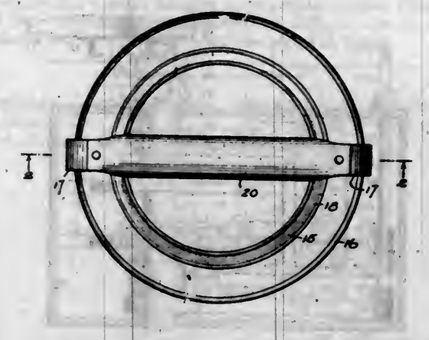
1. In voltage regulators for transformers, a transformer winding having a series of taps, two rows of fixed contacts alternately connected to said taps, contact rails running along said rows, slidable contacts adapted to connect said rails respectively to the contacts of said rows, a resistance, an outgoing lead, and contacts adapted to connect said outgoing lead alternately to said contact rails and alternately over and past said resistance.

1,626,971. CARTON. WILLIS W. RUSSELL, Cincinnati, Ohio. Filed Mar. 12, 1923. Serial No. 624,625. 5 Claims. (Cl. 229—6.)



2. In a package, the combination of a container having normal major and minor diameters lying in the same plane, the container comprising exterior walls, having intersecting slits therein, whereby to form openings in the package, an article in the container, said article having a diameter intermediate the major and minor diameters of the container, and having its indicated diameter disposed at the slits in the container walls, the article thereby outwardly projecting the portions of the container intermediate the slits for providing protective means for the package, and the entry of the article into the said openings in the container permitting the container to assume its normal condition.

1,626,972. MORTAR-APPLYING DEVICE. ALBERT H. SANDERS, Glendora, Calif. Filed Feb. 25, 1926. Serial No. 90,630. 7 Claims. (Cl. 25—1.)



1. A device of the character described comprising means for receiving and confining mortar on the edge of a pipe, and means by which the first means is operable to uniformly spread the mortar around the edge of said pipe.

1,626,973. ROTARY MACHINE. PAUL SCHAURTE, Zurich-Altstetten, Switzerland. Filed Jan. 19, 1926, Serial No. 82,188, and in Germany Sept. 10, 1924. 17 Claims. (Cl. 103—121.)

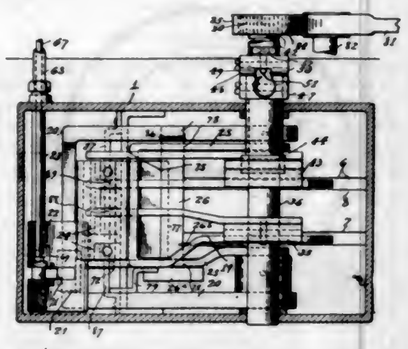


1. A rotary machine comprising a rotating casing, and a stationary hollow piston with at least two axial compartments, a flexible sheet metal plate on the circumference of the outer face of said stationary piston, sliding shoes on the outer surface of said sheet metal plate, vanes pivotally connecting said rotating casing with said sliding shoes, guide slots for said vanes within said casing, openings in said sheet metal plate for distributing the inlet and outlet of the fluid employed in and out of said compartments of said piston.

1,626,974. GEAR-SHIFT MECHANISM. BENJAMIN F. SCHMIDT, South Pasadena, Calif. Filed Nov. 3, 1920. Serial No. 421,581. 7 Claims. (Cl. 74—58.)

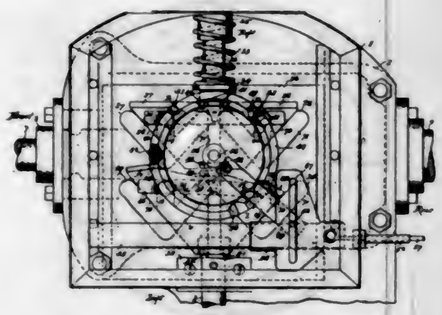
1. In a gear shift mechanism, the combination of: gear shifting forks; interconnected shifter arms for actuating each fork; a shifter frame; a selector member translatable on said frame to positions before any of said shifter arms and adapted to operate the same with the operation

of the shifter frame; a shifter frame operating means; means for imposing translating tension upon the selector member; and means positioned relative to the selector



member to insure a progressive shifting from reverse to high driving speeds with successive operations of the shifter frame.

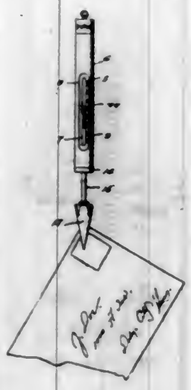
1,626,975. GEAR SHIFT. BENJAMIN F. SCHMIDT, Los Angeles, Calif. Filed Apr. 24, 1925. Serial No. 25,714. 5 Claims. (Cl. 74—58.)



1. In a gear shift mechanism, the combination with shifter forks having upstanding members, a clutch, of a slidably mounted shifter plate engaging said upstanding members, operatively connected with the clutch, a selector disc rotatably positioned on said plate, and having operable connections from the driver's seat for rotating it at selected positions corresponding to the gear changes, means operable at the selected positions of the disc to function with the clutch operation and effect the selected speed gear changes.

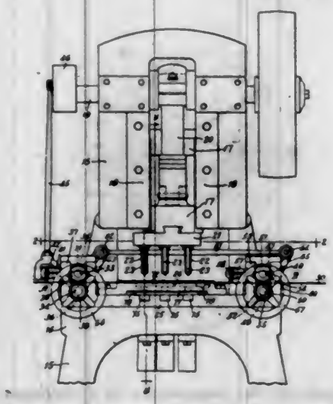
1,626,976. POCKET POSTAL SCALE. RALPH T. SCHOOF, Dodge City, Kans. Filed Feb. 11, 1926. Serial No. 87,576. 1 Claim. (Cl. 265—63.)

In a pocket postal scale of the character described, a cylinder having a slot intermediate its ends, and scale readings at the exterior thereof, and at one edge of said slot, a retractile coiled spring secured at its upper end within said cylinder, a rod secured to the opposite end of said spring and projecting through the lower end of said cylinder, a letter attaching clasp upon the external end of the rod, a gauge member upon the rod visible through the slot in said cylinder, closure caps at the



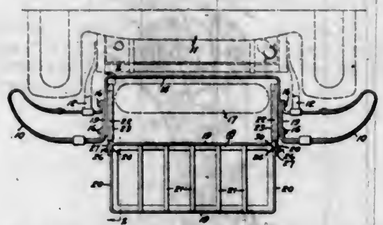
opposite ends of the cylinder through the lowermost one of which said rod is adapted for sliding movement, and cooperating construction between the clasp and lower closure cap for preventing sliding of the rod when the scale is not in use.

1,626,977. MACHINE FOR FORMING FASTENERS. TARRANT SIBLEY, Bennington, Vt. Filed Aug. 15, 1925. Serial No. 50,510. 10 Claims. (Cl. 113—42.)



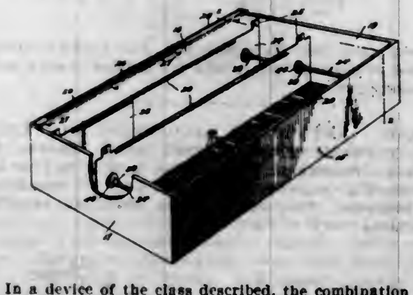
1. A machine for forming fasteners embodying therein blank cutting instrumentalities, means to feed a strip of sheet material to said cutting instrumentalities, fastener forming instrumentalities upon opposite sides of said cutting instrumentalities, and means to feed blanks in opposite directions into alignment with each of said forming instrumentalities alternately, whereby said blanks may be pressed into fasteners.

1,626,978. LUGGAGE CARRIER. BRYAN H. SMITH, Berkeley, Calif. Filed Mar. 1, 1926. Serial No. 91,826. 11 Claims. (Cl. 293—55.)



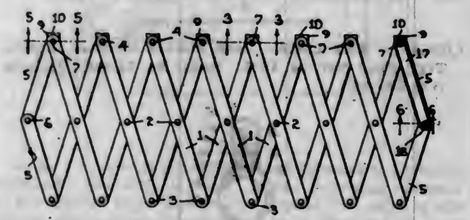
1. In a luggage carrier, a luggage rack, means for permitting shifting of the rack in a horizontal plane, and means permitting pivotal movement of the rack about a horizontal axis.

1,626,979. FILING DEVICE. RITTENHOUSE M. SMITH, Mobile, Ala. Filed May 8, 1923. Serial No. 637,553. 1 Claim. (Cl. 129—16.)



In a device of the class described, the combination with a rectangular container for cards, of a laterally movable rectangular partition in said container longitudinally parallel to two sides, a pair of guide rods parallel to each of the other two sides, said guide rods passing through said partition within its rectangular outline intermediate its top and bottom edges, one of said rods being at each end of the partition, the said rods being stationary in normal use, and said partition having a pair of sleeves secured at right angles thereto through which said rods pass, said sleeves having an opening therethrough of slightly larger diameter than the diameter of said rods and being of such a length that the ends of the sleeves will frictionally engage the rods to prevent longitudinal movement of the partition thereon when the partition is canted slightly from a position at right angles to said rods.

1,626,980. PROPORTIONAL DIVIDERS. WILLIS F. SPROUT, Lebanon, Kans. Filed Dec. 30, 1924. Serial No. 758,816. 1 Claim. (Cl. 33—192.)



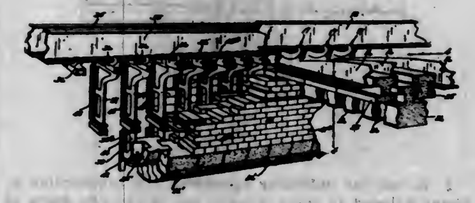
A tool for the purpose indicated comprising a plurality of pivotally connected bars arranged in the form of lazy tongs and provided with means on one line of pivotal connections for locating division points between the terminals of the connected series, and a latch plate dimensioned according to one of the terminal links and having a pivotal connection therewith coincident with that link's connection with the next link, said latch plate having a notch adapted to selectively engage a knob at the adjacent end of the series of links or one at the remote end of the series when the series is folded.

1,626,981. GLARESHIELD. HENRY EVANS STAMPLEY, Sibley, La. Filed Jan. 4, 1926. Serial No. 79,106. 4 Claims. (Cl. 296—97.)



2. A glare shield for automobiles comprising an elongated plate formed of opaque material and having a vertical pivotal eye at one end, a bracket adapted to be secured to the front of the top supporting post at the driver's side of the car and to extend forwardly therefrom, an upstanding pivotal post carried near the front end of the bracket and traversing the eye of the plate to pivotally support the same in advance thereof, a pull rod pivotally connected to the front end of the plate and passing rearwardly through the post and terminating in a handle within the car for swinging the plate at a slight angle across the car for shielding the driver's eyes from approaching headlights.

1,626,982. FIRE-ARCH STRUCTURE. CLARENCE A. STRACHOTA, St. Paul, Minn., assignor to Liptak Firebrick Arch Company, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,848. 8 Claims. (Cl. 110—99.)

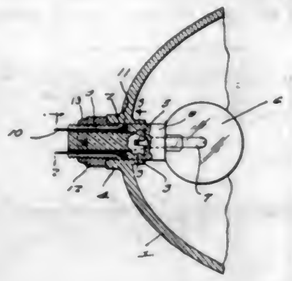


1. The combination with a fire arch, of a beam supported independently of said arch and extended above the inner extremity of said arch, wall-supporting brackets mounted on said beam, shelves mounted on said brackets, an apron wall built on said beam and shelves, and filler blocks filling the space between said arch and shelves.

1,626,983. INCANDESCENT ELECTRIC-LAMP CONNECTION. JOSEPH HAROLD SULLIVAN, Portage, Wis. Filed Apr. 21, 1926. Serial No. 103,593. 3 Claims. (Cl. 240—41.)

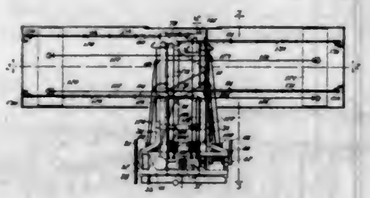
3. In combination, a reflector having an aperture and an annulus about the aperture and in the reflector and also having a boss about the aperture at the outer side of the reflector, a dielectric stem arranged in said aperture of the reflector, means between the annulus and the

dielectric stem to prevent the rotation of the dielectric stem in the annulus, said dielectric stem having opposed longitudinal grooves for receiving electric conductors and a threaded rear portion, a lamp bulb joined to said stem,



a filament in the bulb having portions extending through the stem, means for connecting said conductors to the stem and effecting electric connection between the conductors and the filaments, and a nut mounted on the stem and disposed in rear of the boss on the reflector.

1,626,984. BOX-CAR-UNLOADING APPARATUS. WILLIAM SUNDBERG, deceased, Chicago, Ill., by Elizabeth L. Sundberg, administratrix, Chicago, Ill., assignor to Elizabeth L. Sundberg, trustee, Chicago, Ill. Continuation of application Serial No. 331,561, filed Oct. 18, 1919. This application filed Dec. 16, 1922. Serial No. 607,311. 57 Claims. (Cl. 214—44.)



1. In box car unloading apparatus, the combination of means adapted to enter through one of the side doors of a car for removing material from that portion of the car adjacent said door, and means associated with said first mentioned means and insertable through said door therewith for moving material from one end of the car into the field of operation of said first mentioned means.

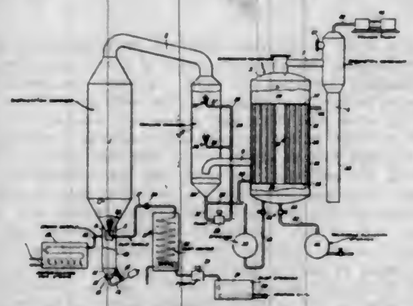
1,626,985. PIPE WRENCH. GEORGE W. THOMPSON, Pittsburgh, Pa. Filed Dec. 16, 1926. Serial No. 155,131. 4 Claims. (Cl. 81—111.)

4. In a pipe-wrench, a handle having a longitudinal aperture provided therein; a stationary jaw removably secured at one end of said handle; a supporting-plate hingedly connected to said handle and rockable within said aperture; a movable-jaw member hingedly mounted on said supporting-plate, said jaw-member having a pair of legs disposed in spaced parallel relation and adapted to slidably receive therebetween said supporting-plate; an adjusting-worm rotatable within said jaw-member; teeth cut on said supporting-plate and concentric to the fulcrum of the jaw-member adapted to be engaged by said worm for the purpose of rotating said jaw-member toward



or away from said stationary jaw, and yielding means adapted to normally rotate said jaw-member toward said stationary jaw.

1,626,986. METHOD OF RECOVERING GLYCERIN FROM FERMENTED-MOLASSES MASH. SAMUEL K. VARNES, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 14, 1922. Serial No. 568,179. 6 Claims. (Cl. 87—4.)



1. In the art of producing glycerin by the fermentation of molasses, the steps of dividing unclarified concentrated slop into minute portions, exploding the so-divided slop into mist in contact with a hot gaseous carrier chemically inert at the temperatures involved while maintaining a temperature to quickly vaporize the glycerin from the slop, and condensing the evolved glycerin vapors.

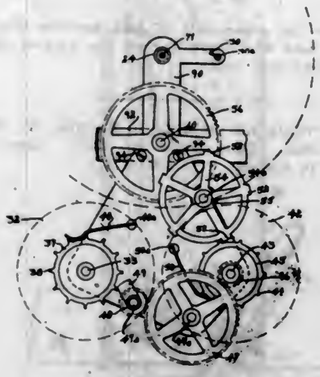
1,626,987. KEY LOCK. JOSE PUENTE VENEGAS, Laredo, Tex. Filed Nov. 24, 1925. Serial No. 71,045. 1 Claim. (Cl. 59—99.)



In a device of the class described, a split ring, a plurality of teeth on the upper edge thereof adjacent the split portion, a holder slidable on the ring, means for

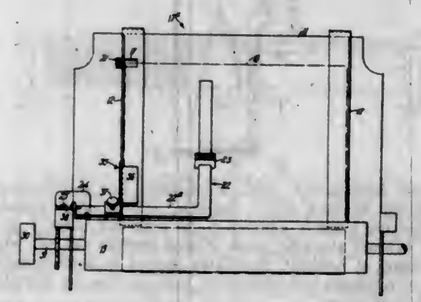
locking the holder over the split portion of the ring, a loop on the holder, and toothed side flanges on the lower end of the loop, engageable with the teeth on the ring.

1,626,988. HANDLESS CLOCK. MANUEL A. VINAS, New York, N. Y. Filed Aug. 29, 1925, Serial No. 53,268, and in the Dominican Republic Apr. 18, 1925. 2 Claims. (Cl. 58—125.)



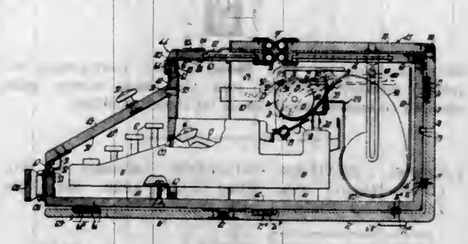
1. In dial indicator mechanism for converting clocks of the hand type, a support member engageable with the clockwork frame, a tens minutes dial, a units minutes dial, an hours dial, dial drive gearing connecting said dials and timing relative movements thereof, said drive gearing including intermittently engaging gears and a main drive gear engaging the hour hand shaft of the hand clockwork mechanism, said support member provided with journal and arbor bearings whereon said dials and dial drive gearing may be assembled and applied as a unit to said clockwork to convert the same to a dial indicator clock.

1,626,989. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 13, 1924. Serial No. 749,621. 18 Claims. (Cl. 197—127.)



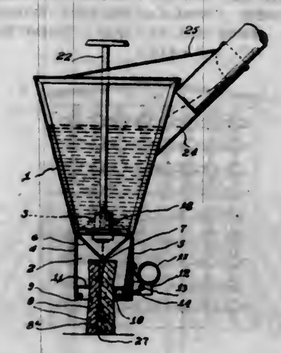
1. In a typewriting machine, in combination, a platen, releasable feed-rolls therefor, means including a chute and a bottom edge gage at the introductory side of the platen, for locating and truing a work-sheet for the first line of typing, and a leading-edge gauge at the delivery side of the platen for positioning the work-sheet for a second line of typing.

1,626,990. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Oct. 19, 1921, Serial No. 508,698. Divided and this application filed July 3, 1925. Serial No. 41,281. 3 Claims. (Cl. 197—127.)



1. In combination with a typewriting machine having a platen, a paper-guide and container at the rear of the machine for the overhanging ends of a work-sheet being typed in the machine, said guide directing said ends downwardly and at its bottom rolling up said ends at the bottom of the container to occupy a minimum amount of space, the terminal end of the work-sheet being fed out of said guide and container to the platen, and the leading end of the work-sheet being fed from said platen into said guide and container.

1,626,991. FLOOR OILER. ABRAHAM WEBER, New York, N. Y. Filed Apr. 22, 1926. Serial No. 103,886. 1 Claim. (Cl. 91—39.)



In a floor oiler of the class described, a reservoir, a distributing chamber attached to said reservoir, a pair of floor oilers gripped in place in said chamber, one of the said walls of the chamber being fixed and the other being movable towards and from the opposing fixed wall, a cam carried by the receptacle and engaging the movable side wall, and means to cause the cam to move backwards when partly revolved for releasing or for gripping the said oilers.

1,626,992. FOLDING POWDER PUFF. ALEXANDRE WILLK, Paris, France. Filed Mar. 17, 1926, Serial No. 95,360, and in France Aug. 25, 1925. 2 Claims. (Cl. 132—78.5.)

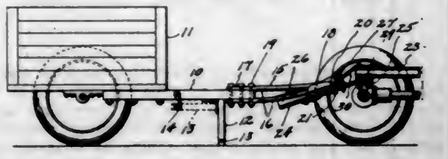
1. A folding powder puff comprising in combination, a puff provided with spring members for sustaining the

puff in its open position, a powder container, means for securing said spring members to said container, and a



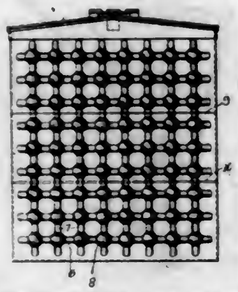
sleeve slidable on said container for contracting the spring members to fold said puff, said sleeve being adapted to enclose said puff in its folded position.

1,626,993. TRAILER COUPLING. HUBERT P. WILLIAMS, Hamlin, Tex. Filed Oct. 4, 1926. Serial No. 139,330. 2 Claims. (Cl. 280—33.15.)



1. In a trailer coupling, the combination of a hook for connection to a trailer tongue, a down-turned bill on the free end of the hook, an inclined plate having a bracket for attaching to a motor vehicle, said plate having a socket for receiving the bill of the hook, a V-shaped guide mounted on the plate, the hook having a stop for supporting the hook above the plate when the bill is engaged in the socket.

1,626,994. METAL SHEET USED FOR FREIGHT CAR STRUCTURES. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill. Filed Oct. 17, 1923. Serial No. 669,081. 9 Claims. (Cl. 105—410.)



1. An integral metal sheet, rolled in sections and then integrally united in the flat, and then formed into a box car member, having stiffening portions pressed in the body of the metal of the sheet.

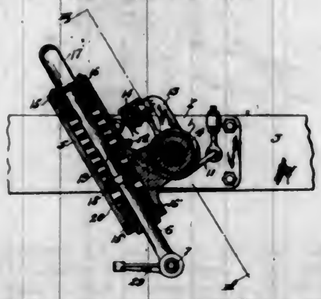
1,626,995. SNOW GUARD. KARL D. WILLMS, Baltimore, Md. Filed Dec. 2, 1926. Serial No. 152,223. 1 Claim. (Cl. 108—27.)

A snow guard comprising a single length of wire having a straight end portion constituting a shank for anchorage upon a roof, the wire at the lower end of said shank being arched and then extended on a straight line in a down-roof direction from the arch, forming a base portion to rest on the roof, the wire being bent upwardly at an acute angle at the lower end of said base portion to provide a brace, said wire being curved laterally in one direction and downwardly from the upper end of the brace to the aforesaid arched portion and being coiled tightly around this portion to form one half of an annular snow-stop, the wire being then curved laterally in the other direction and upwardly from the



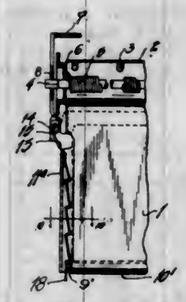
coil to form the other half of said annular stop, the free end of said wire lying against the up-roof side of the first named stop half.

1,626,996. VEHICLE SPRING. WALTER W. WOOD, Canton, Ohio. Filed June 7, 1922. Serial No. 566,556. 10 Claims. (Cl. 280—124.)



1. A vehicle spring support including a spring controlled rocking member having a guideway therein normally inclined downward and forward, and a spring controlled spindle stem slidable endwise in the guideway and rotatable therein.

1,626,997. WINDSHIELD. LULU M. WRAGG, Spokane, Wash. Filed July 20, 1925. Serial No. 44,696. 1 Claim. (Cl. 296—85.)

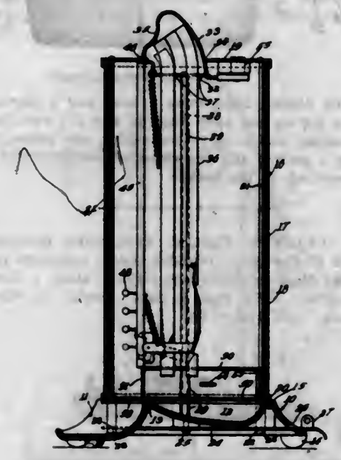


The combination with a curtain, an automatically actuated winding roller therefor, and pivoted foldable supporting hangers adapted to be extended parallel with and support the side edges of said curtain against wind pressure, of resilient rackplates carried by said hangers, and a retaining rod carried by said curtain for co-action with said plates.

1,626,998. NONCORRODING ANTIFREEZE COMPOSITION. ROBERT S. WRIGHT, Minot, N. Dak. Filed Oct. 25, 1926. Serial No. 144,184. 14 Claims. (Cl. 252—5.)

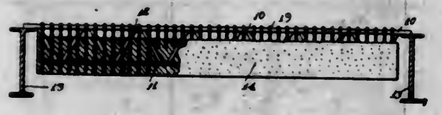
1. A composition comprising an aqueous mixture of calcium chloride, potassium bichromate, mineral oil, molasses and potassium bicarbonate.

1,626,999. CASING FOR COIN-CONTROLLED APPARATUS. JOHN G. WYNN, Madison, Wis., assignor to The Zeno Button Company, Indianapolis, Ind., a Corporation. Original application filed Aug. 27, 1924, Serial No. 734,373. Divided and this application filed June 25, 1925. Serial No. 39,462. 4 Claims. (Cl. 211—8.)



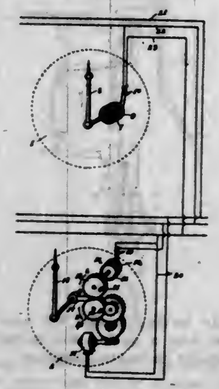
1. In a vending machine, a base, and a case on the base adapted to house the holding and delivering mechanism of the machine, said case having top and bottom frame members and corner portions, spacing members between the top and bottom frame members and metallic washers having angularly bent leg portions mounted on the connecting members, said angularly bent leg portions adapted to engage beneath the edges of the panels of the case and a frame member to take the pressure on the panels.

1,627,000. STRUCTURAL BUILDING FLOOR. ROY V. YEAGER, Des Moines, Iowa. Filed Mar. 8, 1926. Serial No. 93,148. 1 Claim. (Cl. 72—71.)



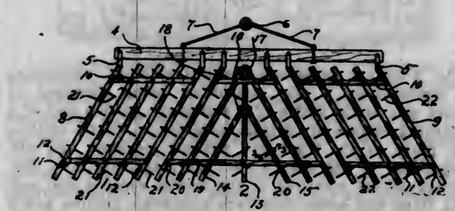
An improved structural building floor comprising two fixed supports spaced apart, a series of beams extended between and resting upon said supports and spaced apart from each other, each beam comprising a self-contained metal body portion with its ends projected outwardly and designed to rest upon said supports and to thereby support the bodies of the beams between said supports, each beam being also formed with a precast plastic body portion covering the bottom portion of the beam and extended upwardly to a point spaced apart from the top of the beam to form outwardly projected shoulders beyond the metal portions of the beam, floor sheets of rigid material placed on said shoulders between the beams, and a plastic floor body formed on top of the beams and rigid sheets and completely enclosing the upper portions of the metal beams, for the purposes stated.

1,627,001. SYSTEM OF UNIFYING A GROUP OF CLOCKS. MASAJI YOKOYAMA, Setagaya-Cho, Japan. Filed May 25, 1926, Serial No. 111,480, and in Japan May 28, 1925. 6 Claims. (Cl. 58—36.)



1. A device for unifying the face time of a plurality of clocks, comprising switching means associated with a rotating member of an arbitrary one of the clocks chosen as the leader clock, the part of the device incorporated with any one of the remaining clocks comprising a cam rod attached to the shaft of the minute hand, two pinions of equal diameter meshing with each other and each provided with a guide member to come into a sliding contact simultaneously with the said cam rod from opposite sides thereof, switching means connected mechanicaly in operating relation to one of the said pinions, and an electric motor for driving the said pinions, the said pinions being sufficiently removed from the axis of the cam rod so that normally the guide members will not interfere with the operation of the clock mechanism.

1,627,002. HARROW. FRED H. ZUEHLKE, Davenport, Wash. Filed July 20, 1925. Serial No. 44,718. 1 Claim. (Cl. 55—84.)

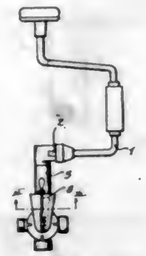


A harrow, comprising a draft bar and flexibly connected drag sections, said sections having supporting bars angling forwardly towards the longitudinal center of the harrow, teeth carried by said bars, and the teeth on one side of the longitudinal center being oppositely disposed with reference to those on the other side of the harrow, the teeth on the opposing sides being inwardly, downwardly, and rearwardly inclined.

1,627,003. WRENCH. JAMES L. ABERNETHY, Park Ridge, and LEONARD E. MUMBOWER, Chicago, Ill. Filed Apr. 5, 1926. Serial No. 99,709. 1 Claim. (Cl. 81—58.)

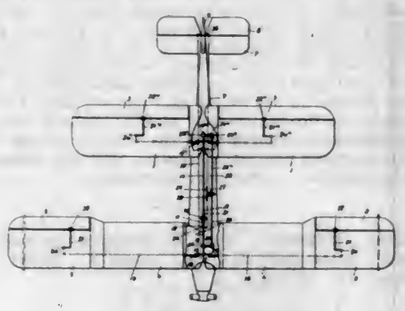
In a wrench, a stem having spaced wing plates, a member having a plurality of sockets rotatably mounted between said wing plates, said member having one of its

faces provided with notches, a detent member having an integral lug adapted for engaging said notches and pivoted intermediate its ends to one of said wing plates,



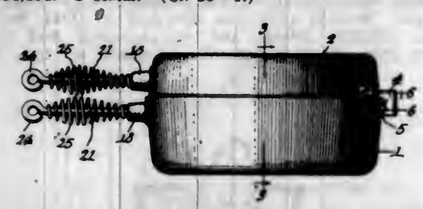
said wing plate having a slot for accommodating said detent member, and a spring for normally maintaining said detent member in locking position.

1,627,004. AEROPLANE. JOSEPH ALBESSARD, Paris, France. Filed May 20, 1926. Serial No. 110,458. 1 Claim. (Cl. 244—29.)



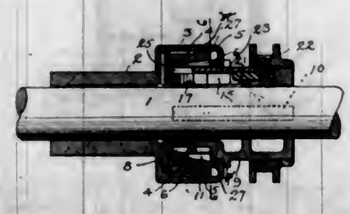
An aeroplane possessing natural stability, comprising in combination, a rear supporting plane composed at either side of the frame of a stationary portion and of a balancing surface of variable incidence, a central stationary plane at the front end without incidence and corresponding to the span across the rear plane, two supporting planes arranged at the lateral ends of said central plane and comprising each a movable portion and a balancing plane of variable incidence, a lever for each balancing plane of a variable incidence, a connecting rod connected to each lever, a two-armed transmission lever hingedly connected to the free end of each connecting rod, a horizontal connecting rod at the free end of each transmission lever, a bell crank transmission at the end of each horizontal connecting rod, a vertical connecting rod hingedly connected to each bell crank transmission, a horizontal oscillatable lever hinged to the lower end of each vertical connecting rod, two horizontal shafts on one of which said oscillatable levers are keyed, a hand lever for operating said horizontal shafts, two slidable bearings one on each shaft, pivotable forks one for carrying one bearing and designed to raise or lower said bearings, and a mechanism for controlling the angle of inclination of said forks said mechanism consisting of transmission levers, connecting rods, a toothed sector, a pinion on each shaft and a hand wheel for rotating said pinions.

1,627,005. STEAM-PRESSURE COOKER. FRED W. ALLEN, Kingston, Tenn. Filed Jan. 28, 1926. Serial No. 84,404. 1 Claim. (Cl. 53—1.)



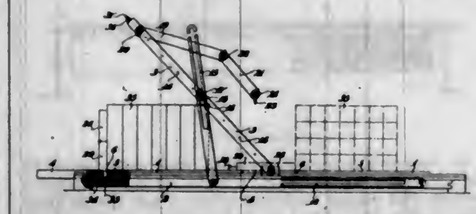
A cooking utensil comprising a base and a closure on the base, a lug on the base, the lug and the base having a vent passage, and a valve controlling the passage, the lug having a socket, and the closure being provided with a finger received in the socket.

1,627,006. CLUTCH. CARL M. ANGLEMYER, Dayton, and WILLIAM P. COFFMAN, Dunkirk, Ohio, assignors to The Edgemont Machine Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 8, 1924. Serial No. 684,987. 13 Claims. (Cl. 192—77.)



1. In a clutch device for engaging and disengaging two relatively rotatable elements, a pair of concentrically arranged clutch rings having correspondingly tapered engaging faces, one of said rings being expansible and contractable, means for controlling the expansion and contraction of said ring, and having simultaneous engagement with both rings, a concentric revoluble collar for axially adjusting said rings in relation to each other.

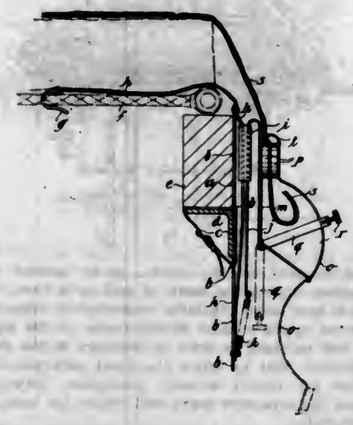
1,627,007. APPARATUS FOR CUTTING LARD, BUTTER, OR MARGARINE. MARK BAKER, Boston, England. Filed Jan. 21, 1926, Serial No. 82,725, and in Great Britain Jan. 29, 1925. 4 Claims. (Cl. 31—25.)



1. Apparatus for cutting or sub-dividing blocks of lard or the like, into blocks of uniform size and weight, said apparatus consisting of a stationary grooved base, a three-part board with the members hingedly connected together, and slidably mounted in said grooved base, slots formed between the hinges which connect the members of the board, a pusher block provided with projections for insertion into said slots, a cutter frame pivotally connected to the walls of the groove of the base, horizontal cutting wires carried by said frame, means for tautening said wires, means for supporting and locking said frame in adjusted position either side of the perpendicular,

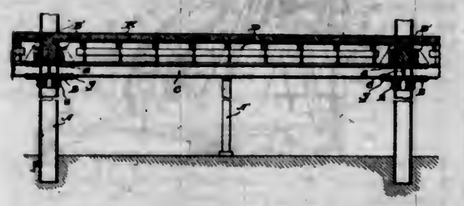
means for supporting and locking said frame and said supporting means when in their extreme right hand position, and means for scraping or smoothing the block prior to the cutting or sub-dividing thereof.

1,627,008. MEANS OR DEVICE FOR THE RETENTION OF BEDCLOTHES. STEPHEN HENRY BARTTER, Kingston-on-Thames, England. Filed Nov. 17, 1926, Serial No. 148,861, and in Great Britain Aug. 14, 1926. 5 Claims. (Cl. 24—72.5.)



1. Bedclothes retention means comprising a gripping member including an attachment plate adapted to be detachably connected to the side rail of a bedstead, a guide member carried by the attachment plate, a spring-controlled slide bar slidably guided on said guide member, and resilient gripping jaws carried by said spring-controlled slide bar.

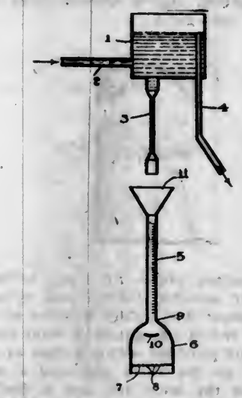
1,627,009. METHOD FOR CONSTRUCTING FIREPROOFING BUILDINGS. LESLIE GRAHAM BERRY, Charlotte, N. C. Filed May 29, 1925. Serial No. 33,801. 6 Claims. (Cl. 25—131.5.)



1. A method of constructing steel and concrete buildings which consists first in erecting upright metal columns forming a permanent part of the building structure, then rigidly connecting said columns by transverse temporary metal supporting members separably fastened thereto, next forming a concrete floor base upon said temporary supporting members, then forming the concrete floor on said base, and subsequently removing said members and base.

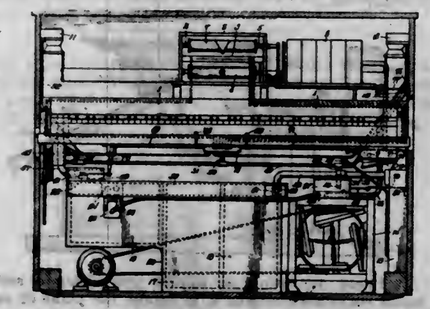
1,627,010. FREENESS TESTER FOR PULP. WILLIAM BOYD CAMPBELL, Montreal, Quebec, Canada. Filed June 21, 1926. Serial No. 117,546. 4 Claims. (Cl. 73—51.)

1. An apparatus for measuring the resistance offered to a flow of water through a porous mat of material, comprising a graduated tube closed at its lower end by a screen plate to support the mat of material, and a



device for feeding water to the tube at a fixed rate of flow sufficient to cause the water to rise in the tube so as to register with the graduations thereon.

1,627,011. PNEUMATICALLY-OPERATED MUSICAL INSTRUMENT. WILLIAM C. COLLIGNON, Chicago, Ill., assignor to The Cable Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1924. Serial No. 703,071. 30 Claims. (Cl. 84—39.)



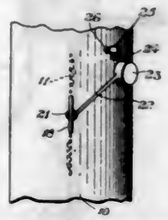
1. In a pneumatically operated musical instrument, the combination, with a plurality of pneumatically operable instrumentalities (1—13), an exhaust-pump (14) for reducing the air-pressure to effect the pneumatic operation thereof, and pressure-controlling means (15) for admitting atmospheric air to vary the degree of reduced air-pressure available for the operation of certain of said instrumentalities (1), of means (34—62) for predetermining the maximum degree to which the air-pressure shall be reduced and the minimum degree to which the reduced air-pressure available for the operation of another of said instrumentalities (13) may be modified.

1,627,012. GOLF TEE. ROBERT J. COPELAND, Toronto, Ontario, Canada. Filed Oct. 27, 1026. Serial No. 144,622. 4 Claims. (Cl. 273—33.)



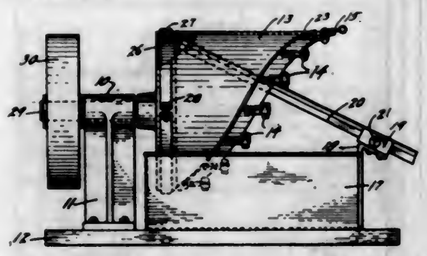
1. A golf tee, comprising a peg having a recess therein, a hole of smaller diameter than said recess leading outwardly therefrom, a cord threaded through said hole and having its end secured in said recess, and an anchor weight attached to the cord.

1,627,018. STOVEPIPE DAMPER. JOHN COWIE, Sutherland, Saskatchewan, Canada. Filed July 30, 1926, Serial No. 126,008, and in Canada June 2, 1926. 3 Claims. (Cl. 126—287.5.)



1. The combination with a stove pipe section having a spindle rotatably mounted therein and extending therebeyond, of a damper disc rigidly mounted on the spindle, a sleeve on one end of the spindle, a lever arm connected to said sleeve and provided with a weight at the opposite end, a bracket on the stove pipe and a hook on the weighted end of the lever arm and a fusible link between the bracket and the hook whereby the lever arm is suspended in raised position, whereby on the fusible link being consumed by the heat of the stove pipe, the lever arm automatically drops to turn the spindle to close the damper disc.

1,627,014. OIL FEEDER FOR FLOTATION MACHINES. ARTHUR C. DAMAN, Denver, Colo. Filed Jan. 12, 1924, Serial No. 685,932. Renewed Aug. 15, 1925. 5 Claims. (Cl. 221—97.)

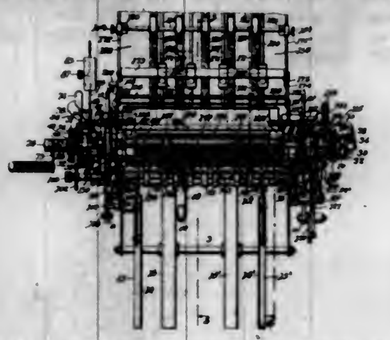


1. A liquid delivering mechanism comprising a series of liquid containers, arranged to rotate, the plane of said series being disposed at an angle to a perpendicular to the axis of said rotation; a pan from which said containers will carry said liquid and a trough into which said containers will pour said liquid, the extension of said trough into said series being adjustable.

1,627,015. MACHINE FOR SEPARATING AND FEEDING BLANKS. WILLIAM WARD DAVIDSON, Evanston, Ill., assignor to Davidson Manufacturing Company, Madison, Wis., a Corporation of Wisconsin. Filed Nov. 21, 1922. Serial No. 602,359. 33 Claims. (Cl. 271—39.)

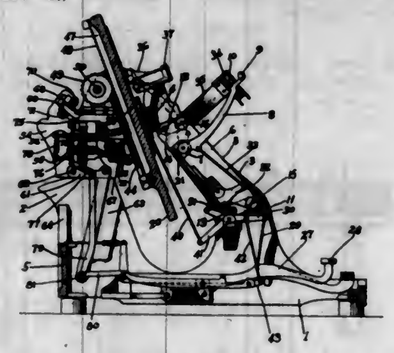
1. In a blank separating machine, the combination of vertically movable pack supporting means, actuating means therefor, and blank separating means comprising a separator roll rotatably mounted above said pack supporting means in position to contact with the uppermost blank of a pack supported thereby, and a separator plate in association with said separator roll, said separator roll and plate forming parts of a separator unit supported so as to be vertically movable, the relation being such that in operation the separator roll will rest upon the pack of blanks, and means for imparting intermittent rotation to said separator roll.

17. A blank separating machine as specified in claim 1, in which the separator roll is adjustable towards and from the separator plate and said separator roll and plate are adjustable together to provide for varying the inclination of said separator plate while maintaining the position of said separator roll relative to the free edge of said separator plate substantially constant, and which comprises means for adjusting said separator roll towards and from said separator plate and for effecting adjustment of said separator roll and plate together, comprising bearing blocks therefor, rack bars on which said bearing blocks are slidably supported, a gear shaft rotatably



mounted in said bearing blocks, gears secured to said shaft which engage the teeth of said rack bars, each of said rack bars being pivotally connected to arms pivoted in pairs on opposite sides of the frame of the separator unit, a rod mounted to turn in bearings in the frame of the separator unit to which the front rack bar supporting arms are rigidly secured, connection between said arms and the separator plate, and means for turning said arms pivotally.

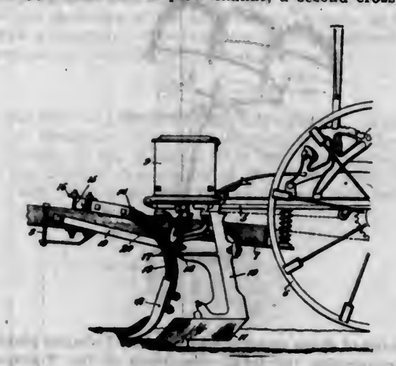
1,627,016. TYPEWRITER. SEWARD A. DEAN, Hastings, Minn., assignor to Dean Card Typewriter Company, Hennepin County, Minn., a Corporation of Minnesota. Filed Nov. 22, 1923. Serial No. 676,339. 9 Claims. (Cl. 197—1.)



1. A typewriter comprising a housing including rigidly connected transverse front and rear portions with an intervening space, a flat platen supported in the intervening space of the housing, a feed mounting for the platen oscillative on the rear transverse portion of the housing and operative to move the platen to and from the front transverse portion of the housing, and type bar mechanism on the front transverse portion of the housing to coact with the platen when the latter is moved toward said front transverse portion.

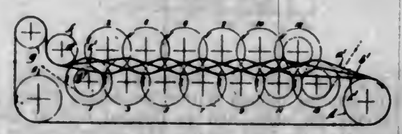
1,627,017. PLANTER. CARL ADOLPH DEMPEWOLF, Henderson, Ky. Filed Oct. 9, 1926. Serial No. 140,662. 1 Claim. (Cl. 97—194.)

In a planter, the combination of a wheeled frame, a plurality of drill tubes supported by the frame, means for supplying seed to the drill tubes, a runner secured to the lower end of each drill tube, plows located in front of the respective runners and spaced therefrom, each plow having an upwardly and forwardly extending shank, a cross bar secured to the tongue and rigidly connected to the upper ends of the plow shanks, a second cross bar in



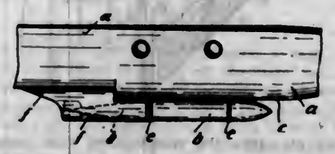
rear of the first-mentioned cross bar, means for supporting and bracing the second cross bar from the frame and from the tongue, and means connecting said second cross bar with the intermediate portions of the plow shanks to brace the latter, each of said runners being lower than the plow which precedes it, so as to open a drill in the furrow left by the plow.

1,627,018. ROPE OR BELT DRIVE FOR DRYING CYLINDERS AND THE LIKE. GERALD DOD, Southport, England. Filed Sept. 28, 1925, Serial No. 59,239, and in Great Britain Oct. 23, 1924. 5 Claims. (Cl. 74—21.)



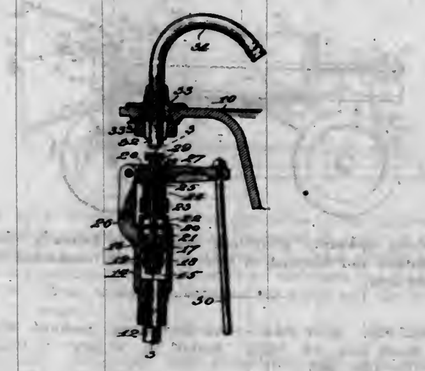
1. In multi-cylinder drying machines, wherein the cylinders lie close together, and the material to be dried passes under and over consecutive cylinders, a pulley on the axis of each cylinder, each of the pulleys being of one size and of larger diameter than the distance between the axes of the said consecutive cylinders, and belts for driving the said pulleys and cylinders.

1,627,019. FLYING MACHINE. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to the Firm Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Filed Oct. 13, 1924. Serial No. 743,418, and in Germany Oct. 18, 1923. 4 Claims. (Cl. 244—1.)



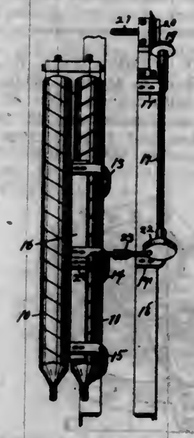
1. Flying boat comprising a hull, a casing attached to the hull's bottom and adapted to accomodate the rear portion of a torpedo and separate means for suspending the torpedo from the hull's bottom.

1,627,020. PEDAL-ACTUATED FAUCET. GLENN O. DOUGHERTY, Los Angeles, Calif. Filed Oct. 21, 1922. Serial No. 595,963. 10 Claims. (Cl. 137—139.)



4. In a faucet, a housing having twin fluid passageways that are adapted to be connected to separate sources of fluid supply, a valve arranged in each passageway for controlling the flow of fluid therethrough, which valves are maintained in closed position by the pressure of the fluid from the sources of supply, a common outlet duct from the valve controlled passageways, and a spring supported pedal actuated lever for unseating said valve.

1,627,021. CLEARING DEVICE FOR CORN-SNAPPING MECHANISMS. CHARLES DUEKER, Fort Dodge, Iowa. Filed Feb. 8, 1926. Serial No. 86,851. 4 Claims. (Cl. 130—5.)

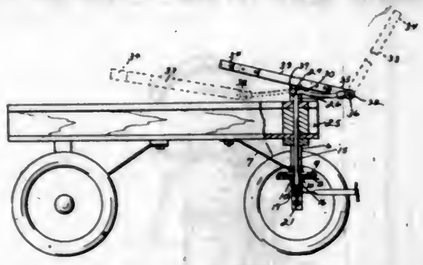


1. In a machine of the character described, curved carrying arms hinged to a suitable support, a bar fixed to said arms and an operating device acting on said bar for lateral vibration thereof.

1,627,022. STEERING MECHANISM FOR COASTER WAGONS. WALTER ERNI, Milwaukee, Wis. Filed Nov. 5, 1925. Serial No. 66,948. 4 Claims. (Cl. 280—87.5.)

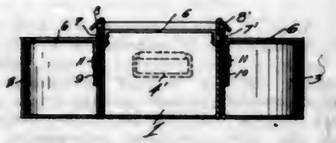
4. The combination with a steering shaft bent to provide a forwardly extending arm, of a saddle apertured

to receive said shaft and provided with a channel opening to said aperture and engaging said arm, said saddle



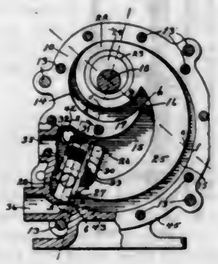
having upwardly projecting members in laterally spaced relation and adapted to receive a handle connected with said arm.

1,627,023. ASH PAN. ROY B. FARRAR, Spokane, Wash. Filed Feb. 16, 1926. Serial No. 88,545. 2 Claims. (Cl. 126—243.)



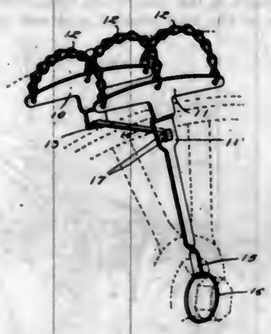
1. An ash pan comprising a pair of side sections having flat vertical inner walls of an elevation greater than the outer walls thereof, an intermediate section having flat vertical side walls of an elevation greater than the side inner walls of said side sections, and downturned flanges on the tops of the side walls of said intermediate section, said flanges extending at an incline down over the edges of the inner walls of said side sections in service position.

1,627,024. ROTARY PUMP. PAUL R. FINCH, Des Moines, Iowa, assignor to Alvah C. White, Des Moines, Iowa. Original application filed Dec. 27, 1923, Serial No. 682,873, and in Canada Aug. 22, 1925. Divided and this application filed July 17, 1926. Serial No. 123,181. 5 Claims. (Cl. 103—132.)



1. A compressor comprising a substantially cylindrical chamber, a second chamber communicating with the first and having intake and exhaust ports, an eccentrically movable, substantially cylindrical impeller within the cylindrical chamber having traveling contact with the wall of the latter, a curved blade projecting from the impeller and extending into the second chamber, a partition plate mounted for rocking movement in the second chamber and having one margin rounded and in contact with a wall of said chamber between the intake and exhaust ports, and slidable connections between said partition plate and the free end of said curved blade.

1,627,025. ANTISKID CHAIN. CLARENCE F. FISHER, Lancaster, Kans. Filed Dec. 21, 1925. Serial No. 76,767. 1 Claim. (Cl. 152—14.)



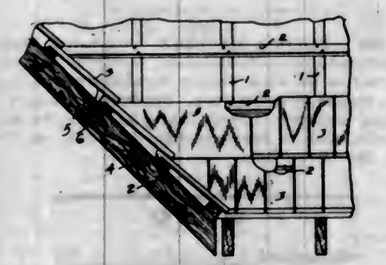
An antiskid chain comprising a pair of T-shaped plates, chains connecting the transverse heads of the T-shaped members, the leg of one of said plates being longer than the leg of the other plate, a ring connected with the extremity of the longer leg, said longer leg having a pair of openings, the shorter leg having an opening and a hook member movably connected with the shorter leg and having its hooked end detachably engaged in said pair of openings.

1,627,026. COLUMN SPACER. HARRY M. FORKER, Washington, D. C. Filed Aug. 4, 1926. Serial No. 127,142. 4 Claims. (Cl. 101—400.)



1. A column spacer for separating machine-cast type slugs in printing column matter, comprising a body portion having flat sides, and an integral base of greater thickness than the body portion, the spacer being of such height that its bottom surface is flush with the bottom surface of the type slugs when the form is made up.

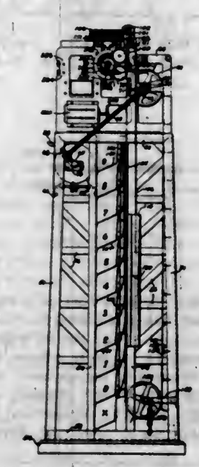
1,627,027. ROOF. ARTHUR B. FOSSEEN, Spokane, Wash. Filed Nov. 18, 1924. Serial No. 750,571. 1 Claim. (Cl. 108—10.)



In a roof structure the combination with supporting rafters carrying transversely arranged spaced horizontal battens, of applicable sheathing strips applied over and extending between adjoining battens with their upper edges folded over and secured by cementitious material to the upper battens, a layer of cementitious material

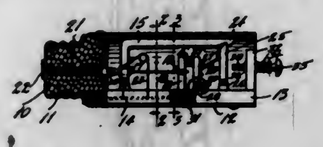
substantially applied over said sheathing strips, tile shingles applied in staggered courses over said sheathing strips by embedding in the cementitious material, ribbed heads formed on said tiles for hooked engagement over the upper faces of the upper battens beneath the lower free edges of said sheathing strips, said lower free edges of the sheathing strips being coated on their under faces with a cementitious material for binding engagement with portions of the tiles disposed therebeneath.

1,627,028. CARD-ASSORTING MACHINE. MAXIMILIAN M. GOLDBERG, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Nov. 15, 1922. Serial No. 601,131. 48 Claims. (Cl. 209—110.)



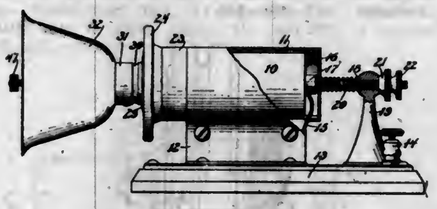
1. In a machine of the class described, the combination of means for feeding cards having a plurality of control positions, a feeler cooperating with the cards as they are fed through the machine, card distributing mechanism, and a plurality of devices operated either singly or in combination as determined by the control positions of the card for controlling the distributing mechanism.

1,627,029. AUTOMATIC CIRCUIT BREAKER. MILTON E. GREENWAY and RALPH W. CHAMBERS, Whitewright, Tex. Filed May 8, 1925. Serial No. 28,770. 7 Claims. (Cl. 200—116.)



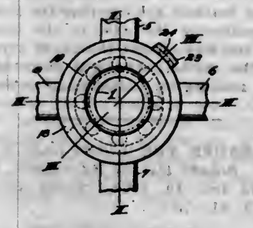
1. In an automatic circuit breaker, a base, a yielding angular latch lever mounted on the base and having an elongated hooked end, means for tensioning said lever in one direction, a dog pivoted upon the base and engaging the hooked end of said lever, a fixed contact parallel to the pivoted end of the lever, a movable contact engaging the fixed contact adapted to be released from said dog, tension means for shifting the movable contact and dog to break circuit, and a thermostatic member extending from the fixed contact to said lever for normally holding the latch lever in restraint.

1,627,030. TELEGRAPH RECEIVING INSTRUMENT. RANSOM ALBERT GROUT, San Bruno, Calif. Filed Jan. 5, 1926. Serial No. 79,372. 11 Claims. (Cl. 178—100.)



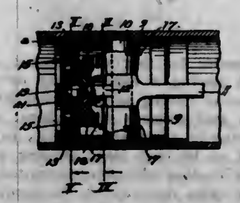
1. In a telegraph receiving instrument, the combination of a magnet, a diaphragm mounted in front of the magnet, an anvil secured centrally to the diaphragm, and a sounding element acting as an armature and guided for rectilinear movement between the anvil and the core of the magnet.

1,627,031. BEARING FOR ENGINES, AIR COMPRESSORS, AND THE LIKE. JASON E. HARRIS, Howard, Kans. Filed June 8, 1925. Serial No. 35,597. 3 Claims. (Cl. 74—17.)



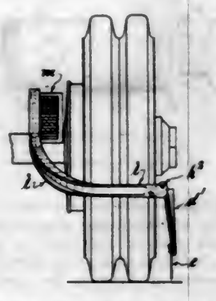
1. A bearing comprising a pair of inner rings and a pair of outer rings arranged in telescopic relation, the rings of each pair having tongue and grooved connections to hold them against separating movement, and rods respectively for and extending radially outward from said rings, the axis of all of the rods lying in the plane of the inner edges of the rings.

1,627,032. INTAKE VALVE. JASON E. HARRIS, Howard, Kans. Filed July 20, 1925. Serial No. 44,700. 5 Claims. (Cl. 123—47.)



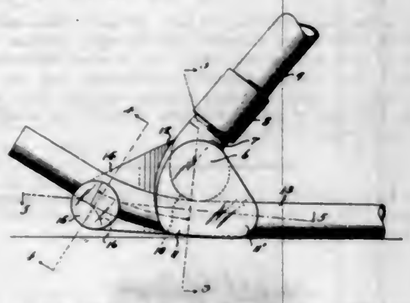
1. The combination of a shaft having a crank, a crankcase inclosing the crank of the shaft, and a cylinder communicating at its inner end with the crank-case, a piston in the cylinder and a connecting rod between the piston and said crank, the piston having an intake port in its head, of a rotary valve carried by the piston head for controlling the port thereof and provided with a stem extending longitudinally of the piston, a rocker arm pivoted on said stem, means actuated by sufficient pressure in the combustion chamber of the cylinder to operate the rocker arm, and means actuated by a change of angular relation between the piston and the connecting rod, to apply lateral pressure on the rocker arm and to effect rotation of the valve to open position.

1,627,033. ANTISPLASH DEVICE FOR THE WHEELS OF MOTOR ROAD VEHICLES. ERNEST WILLIAM HAWARD, Old Trafford, England. Filed Aug. 11, 1925, Serial No. 49,630, and in Great Britain Aug. 11, 1924. 4 Claims. (Cl. 280—157.)



1. An anti-splash appliance for a road vehicle wheel, comprising a guard of light sheet material, a rotatable axle carrying said guard, a pair of brackets or supports mounted on a relatively fixed part of the vehicle and extending at their lower ends to the back and front of the wheel respectively, short levers pivotally mounted near the ends of the brackets and carrying the guard axle, and means for positioning the axle in the levers and the levers on the brackets so that the guard normally lies at an angle to the vertical, and will move upwardly and outwardly on meeting an obstruction, as set forth.

1,627,034. BENDER FOR LIGHT-GAUGE CONDUITS OR PIPES. ROBERT HALSEY HENDERSON, East Orange, N. J. Filed Dec. 10, 1926. Serial No. 153,769. 4 Claims. (Cl. 81—15.)



1. A hand bender for thin wall conduit, comprising a curved element having a handle lever extending therefrom, said element having integral parallel side flanges providing with said element a peripheral main bending groove conforming in width substantially to the diameter of the conduit to be bent, said bending groove at the point where the bending operations occur being of a shape to impinge the sides and top of the conduit and being provided with compensating expansion spaces intermediate said top and side points of impingement, and one of said flanges having a forward extension provided with a transverse abutment post spaced relative to the point of bending operation in said main bending groove at a distance approximating from two or three times the diameter of the conduit to be bent.

1,627,035. WRENCH. HERMAN C. JAHN, Springfield, Minn. Filed Feb. 16, 1926. Serial No. 88,667. 1 Claim. (Cl. 81—99.)

A wrench including a bar, a handle on one end of the bar, a fixed jaw on the opposite end of the bar, a jaw member pivoted to said bar at a point adjacent the fixed jaw, said jaw member provided with a pocket in one edge of the material thereof and located between the pivot and jaw proper, said pocket formed with a cam surface, an arm having one end pivoted to said bar and the opposite end in cooperation with the cam surface, and a spring in engagement with said arm to normally move said jaw and member to closed position.

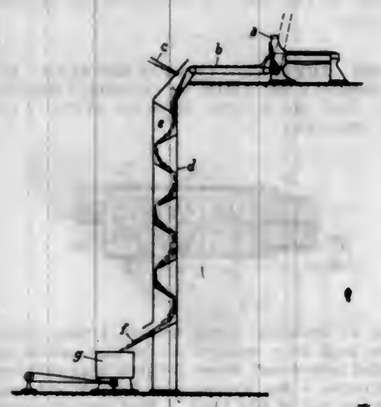


1,627,036. MILK-BOTTLE CAP. JESSE M. JORDAN, Lovefield, Tex. Filed Jan. 12, 1926. Serial No. 80,744. 2 Claims. (Cl. 215—64.)



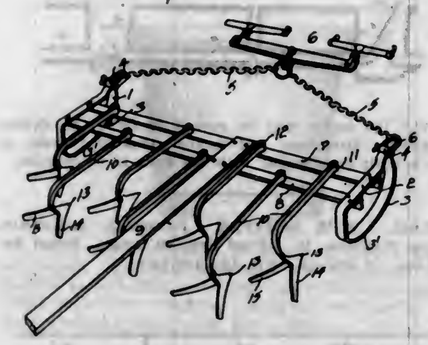
1. In a closure cap for milk bottles, a cap member with a pendent marginal flange adapted to be disposed upon and about the upper end of the bottle, a pair of vertically swingable skirt members hingedly connected to the lower edge of the cap flange for engagement around a bottle directly beneath the upper end thereof, and means for holding said members in tight engagement with the bottle for maintaining the cap in position thereon.

1,627,037. METHOD OF LOOSENING PARALLEL FIBER BUNCHES BY THE WET PROCESS. ADOLF KÄMPF and KARL KRÜNEWÄLDER, Premnitz, Westhavelland, Germany. Filed Oct. 16, 1925, Serial No. 62,906, and in Germany Dec. 18, 1924. 4 Claims. (Cl. 19—66.)



1. A method of loosening parallel fiber bunches by the wet process, comprising suspending said fiber bunches in a suitable liquid and letting the suspension fall freely against impact surfaces.

1,627,038. WEEDING IMPLEMENT. JOHN J. KEARNS, Spokane, Wash. Filed Feb. 14, 1925. Serial No. 9,288. 2 Claims. (Cl. 97—144.1.)



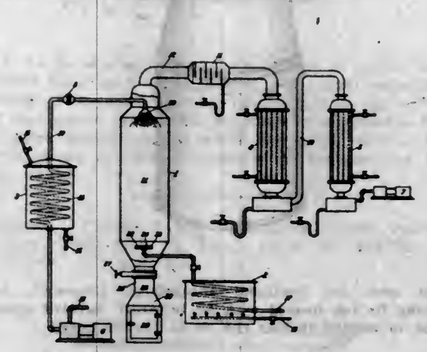
1. The combination with a rigid frame comprising sleds having runners adapted to perform the functions of fulcrums, draft means attached to said sleds at a point whereby the frame will be tilted forwardly, a lever bar fixed on the frame adapted to receive a weight for tilting the frame rearwardly, a plurality of longitudinally disposed beams pivoted on said frame to swing laterally, cutting devices on the beams, and means whereby said cutting devices are located in staggered position transversely of the implement.

1,627,039. PORTABLE FIRE EXTINGUISHER. FRIEDRICH EMIL KRAUSS, Schwarzenberg, Sachsen, Germany. Filed Sept. 15, 1923, Serial No. 662,899, and in Germany Sept. 16, 1922. 1 Claim. (Cl. 169—32.)



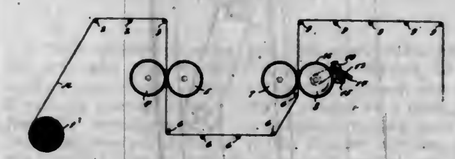
In a fire extinguisher, the combination of a shell, a cylindrical expansion chamber penetrating the top of said shell and fixed in it, a nozzle at the side of the outer portion of said expansion chamber, and an ascending pipe opening into the lower end of said expansion chamber and having a small diameter in relation to that of the expansion chamber and being of uniform diameter in all its length.

1,627,040. METHOD OF RECOVERING GLYCERIN FROM FERMENTED MOLASSES MASH AND APPARATUS THEREFOR. JAMES W. LAWRIE, Wilmington, Del., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del., a Corporation of Delaware. Filed June 6, 1922. Serial No. 566,257. 8 Claims. (Cl. 87—4.)



7. In the art of producing glycerin by the fermentation of molasses, the steps of heating the unclarified concentrated slop, bringing the heated slop into contact with a hot gaseous carrier while pressure atomizing the slop under a pressure of at least approximately 30 pounds per square inch, to present an extensive surface to the carrier and maintaining a temperature to quickly vaporize the glycerin from the slop, and condensing the evolved glycerin vapors.

1,627,041. PRINTING MACHINE. JOHN J. LEARY, Brooklyn, N. Y. Filed Sept. 19, 1923. Serial No. 663,541. 5 Claims. (Cl. 101—424.)

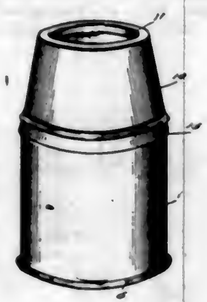


1. In printing machines having printing and packing cylinders, a cleaner for the packing cylinder comprising a cylinder contacting therewith and rotating in conjunction therewith, said cleaning cylinder having on its contacting surface a plurality of cleaning strips extending in a direction lengthwise thereof and peripherally spaced, said strips being helically disposed from the center toward each end of the cleaning cylinder whereby the offset deposit which is removed from the packing cylinder by the strips will be progressively carried to the ends of the cleaning cylinder and discharged.

1,627,042. CONTAINER. THOMAS S. MASON and EDWIN L. YUNOK, Hartford, Conn. Filed May 6, 1925. Serial No. 28,487. 6 Claims. (Cl. 220—5.6.)

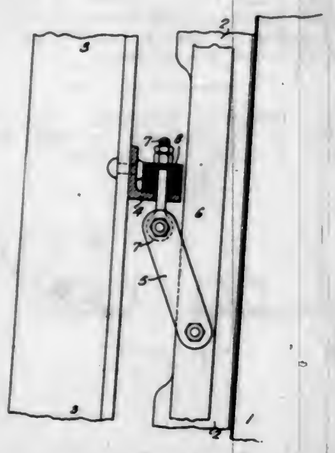
1. A container and a closure therefor, the container having an inwardly flared neck terminating in an inwardly directed lip, a closure having an inwardly bulged

top and of a length approximately equalling that of the neck of the container and shaped complemental to



said neck for frictional engagement therewith, and having its top formed with an inwardly directed opened bead to receive therein the lip of the container.

1,627,043. SULPHURIC-ACID CHAMBER. RICHARD THOMPSON MAUDSLEY, Quinton, Birmingham, England, assignor to Packards, & James Fison (Thetford) Ltd., Ipswich, England. Filed May 6, 1926, Serial No. 107,170, and in Great Britain Feb. 17, 1926. 12 Claims. (Cl. 23—284.)



1. In means adapted to permit the expansion or contraction in any direction of a sulphuric acid chamber, the combination with a supporting framework for said chamber, of a pivot mounted on said framework, a pivot on said chamber, a link connected to said pivots, and means for adjusting the pivot on said framework.

1,627,044. TEMPORARY PIPE COUPLING. DANIEL J. MCGEEHIN, West Hazleton, Pa. Filed Feb. 19, 1926. Serial No. 89,399. 3 Claims. (Cl. 285—2.)

1. A temporary pipe coupling for connecting the spaced ends of two stationary pipe sections, comprising a connecting pipe section longer than the distance between said ends and small enough in diameter to be freely insertible therein, a pair of sleeves having a close sliding fit on said connecting section and formed with peripheral flanges, a pair of levers pivotally connected to one of the flanges, a link opposed to each lever and connecting the same to the flange on the other sleeve,



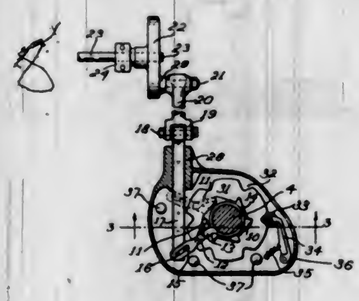
whereby the levers may be rocked to force the sleeves in opposite directions, and means actuated thereby to form a tight engagement with the ends to be coupled.

1,627,045. PIPE SCRAPER. DANIEL J. MCGEEHIN, West Hazleton, Pa. Filed Feb. 19, 1926. Serial No. 89,434. 6 Claims. (Cl. 15—104.16.)



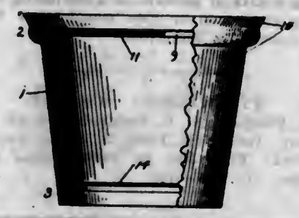
1. A pipe scraper including a plurality of elements connected together in series and each comprising a central stem polygonal in cross section, a U-shaped spring member centrally secured to the stem, an arcuate spring leaf secured within the concave central portion of the spring member and reinforcing the same, a block secured within the concave face of said spring leaf, and bits secured to the ends of said U-shaped spring member and projecting outwardly diametrically opposite directions.

1,627,046. INTERMITTENT GRIP MECHANISM FOR ROTARY CONVEYERS. WILLIAM ALLEN MILLER, Pittsburgh, Pa. Filed July 30, 1924. Serial No. 729,080. 2 Claims. (Cl. 74—54.)



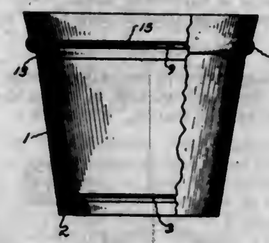
1. In a rotary conveyer, a revoluble shaft, a casing for said shaft, a ratchet wheel fixed to the shaft, a collar loosely encircling said shaft above said ratchet wheel and having an outwardly extending arm, provided with a slot near its outer end, means movable in a straight line for rocking said arm, a pivoted pawl carried by said arm and engaging said ratchet wheel, a notched plate fixed to said shaft on the underside of said ratchet wheel and a spring-tensioned member pivotally mounted on said casing and adapted to engage said notched plate for checking rotation of said shaft at predetermined points.

1,627,047. PAPER CONTAINER. ARLINGTON MOORE, Worcester, Mass., assignor to Clarke-Moore Corporation, Wilmington, Del., a Corporation of Delaware. Filed Nov. 7, 1919. Serial No. 336,292. 51 Claims. (Cl. 229—5.6.)



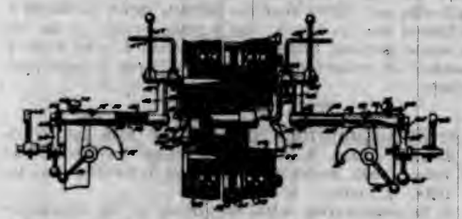
1. In a paper container, a side wall, and a highly-compressed practically-solidified multi-reenforced neck therefor formed from a continuation of the stock thereof folded into three overlying rigidly-set portions in intimate surface contact with one another.

1,627,048. PAPER CONTAINER. ARLINGTON MOORE, Worcester, Mass., assignor to Clarke-Moore Corporation, Wilmington, Del., a Corporation of Delaware. Filed Apr. 24, 1920. Serial No. 376,400. 33 Claims. (Cl. 229—5.6.)



1. In a paper container; a side wall; a bottom closure therefor; a reenforced neck formed from a continuation of the side wall and having a ledge projecting inwardly thereof and formed of a plurality of folded portions including a terminal portion enclosed between the other portions; and a cap seated on said ledge.

1,627,049. PROCESS OF INFOLDING PAPER-CONTAINER BODIES AND THE LIKE. ARLINOTON MOORE, New York, N. Y. Filed June 21, 1926. Serial No. 117,544. 10 Claims. (Cl. 93—36.)



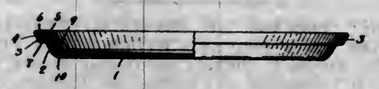
1. The process of making a multiple fold margin on a shell of paper, which consists in rotating same relative to a spinning tool, advancing the tool gradully relative to the shell to fold in the margin, and then advancing the tool abruptly, whereby the turned in raw edge is reversed and a fold produced in which the raw edge is enclosed between folds or thicknesses of paper.

1,627,050. PAPER DISH. ARLINGTON MOORE, Boston, Mass. Filed Mar. 23, 1921. Serial No. 454,771. 4 Claims. (Cl. 229—2.5.)



1. As a new article of manufacture, a paper dish formed from an integral disk of paper and comprising outside of the flaring annulus extending from the bottom of the dish a reenforced, multifold, substantially consolidated annular rim in which the longer way of the folds extend substantially parallel to the plane of the dish bottom.

1,627,051. PAPER DISH. ARLINGTON MOORE, Boston, Mass. Filed Mar. 23, 1921. Serial No. 454,772. 9 Claims. (Cl. 229—2.5.)



1. As a new article of manufacture, a paper dish formed from an integral paper disk, an upturned flaring outer rim having a recessed upper portion, and a multi-reenforced marginal portion of said rim formed from a continuation of the stock thereof folded into three overlying portions, said folds being anchored in said recess.

1,627,052. RAILROAD-CROSSING GATE-OPERATING DEVICE. GEORGE MOORE, Toronto, Ontario, Canada. Filed Oct. 28, 1926. Serial No. 144,830. 2 Claims. (Cl. 246—293.)

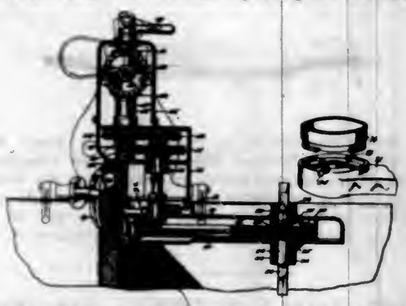


1. In a railroad crossing gate, the combination with the gate arm and operating mechanism thereof, of a support located at a distance from the approach side of a railroad crossing gate, a support located at a distance from the receding side of the railroad crossing gate, a cam arm pivotally mounted on the support, the arm on the approach side being in the depressed position and the arm on the receding side in the raised position, means carried by the train for engaging the arm when in the depressed position and connecting means between the arms whereby one arm is depressed by the raising of the other arm and for simultaneously operating the crossing gate mechanism to lower the gate arm as the train approaches the crossing and for raising the gate arm when the train recedes from the crossing, means for automatically sounding an alarm prior by the operation of the cam arm on the approach side of the railroad crossing gate and for cutting out such alarm as the train reaches the railroad crossing.

1,627,053. WASHING MACHINE. FRANK B. MOREHOUSE and FRANK HAASE, San Francisco, Calif., assignors, by direct and mesne assignments, to Trayway Mfg. Co., a Corporation of California. Filed Oct. 10, 1923. Serial No. 667,635. 21 Claims. (Cl. 68—15.)

1. In a washing machine, a casing, a hollow arm extending horisontally from said casing, a hollow vertical shaft journaled in said arm adjacent its outer end, a

gear on said shaft, a rack enclosed in said arm and engaging said gear, a motor adjacent said casing and above said arm, drive means depending in said casing



and adapted to cooperatively connect said motor and rack, and impeller means connected to said hollow vertical shaft.

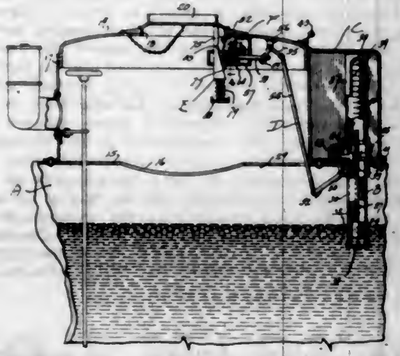
1,627,054. PROCESS OF OBTAINING RESINLIKE BODIES FROM CRACKED HYDROCARBON PRODUCTS. JACQUE C. MORRELL and GUSTAV EGLOFF, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Apr. 27, 1923. Serial No. 635,122. 5 Claims. (Cl. 260—2.)

1. A process of obtaining hard resin-like bodies from cracked hydrocarbon distillates, consisting in removing said resinous bodies with an adsorbing agent and subjecting the removed bodies to a partial oxidizing action to produce a hard resin-like body.

1,627,055. METHOD OF PURIFYING HYDROCARBON OILS. JACQUE C. MORRELL and SALMEN COMAY, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 22, 1925. Serial No. 38,924. 3 Claims. (Cl. 196—42.)

1. A method of purifying hydrocarbon oils, comprising subjecting the oil to reaction with copper hypochlorite in solution.

1,627,056. SELF-LOCKING LIQUID-LEVEL GAUGE. RUSSELL L. MORRIS, Tulsa, Okla. Filed Jan. 3, 1924. Serial No. 684,269. 10 Claims. (Cl. 73—120.)

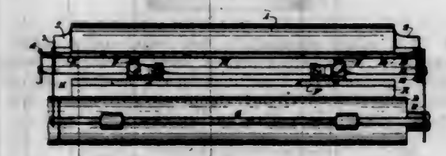


1. In combination with a tank including a closure, a float device in the tank for indicating liquid level, jaw means for gripping the float to hold it in a supported position within the tank, a lock for holding said jaw means in float gripping relation, and spring operated means normally acting to hold said jaw means in non-locking relation.

1,627,057. PRESERVATION OF BACON OR HAM. THOMAS W. MORRIS, Liverpool, England. Filed May 18, 1926, Serial No. 110,018, and in Great Britain Feb. 12, 1926. 3 Claims. (Cl. 99—8.)

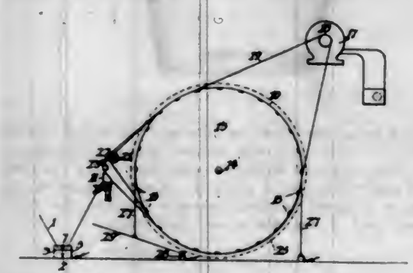
1. The process of treating bacon or ham which consists in heating a bath of glycerin to a sterilizing temperature, immersing the bacon or ham momentarily therein, and quickly removing it therefrom.

1,627,058. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 30, 1926. Serial No. 105,776. 8 Claims. (Cl. 197—143)



1. A paper table mounted at the rear of the platen formed of a single piece of sheet metal and having at each end an arm bent at substantially right angles to the body of the table, each arm being provided with an open ended slot forming two legs adapted to receive between the same a supporting means about which the table may swing to operative or inoperative position.

1,627,059. FILAMENT-DYEING APPARATUS. SAMUEL A. NEIDICH, Edgewater Park, N. J. Filed Mar. 3, 1926. Serial No. 91,963. 8 Claims. (Cl. 8—19.)

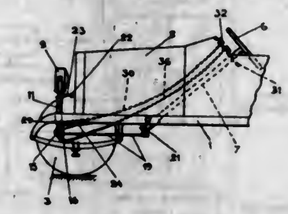


5. In filament dyeing apparatus; the combination with a rotary drying reel; of means arranged to pass extruded viscose filaments singly axially through dye liquor during their traverse toward said reel from the place of their extrusion and before they are initially dried, including a container for dye liquor; and a guide having an eye for a single filament, adapted to be moved to and from a position of submergence in the dye liquor in said container.

1,627,060. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. AXEL T. NYBLOM, Varberg, Sweden. Filed June 9, 1925. Serial No. 35,986, and in Sweden June 16, 1924. 2 Claims. (Cl. 240—61.)

1. In combination with the frame of an automobile and its steering device, a tubular stanchion fixedly attached to said frame, a shaft carrying a headlight rotatably mounted within said stanchion, a sleeve slidably and rotatably mounted on said shaft connected with and actuated by the steering mechanism, means to move said sleeve up and down so as to couple and uncouple same with regard to said shaft, said means adapted also to couple and uncouple said shaft with regard to the frame,

a coupling member on the shaft, a second sleeve, said means in the first mentioned case cooperating with the coupling member on the shaft, in the last mentioned case actuating the second mentioned sleeve cooperating with the first mentioned sleeve in its sliding motion independently of its revolving motion, the last mentioned



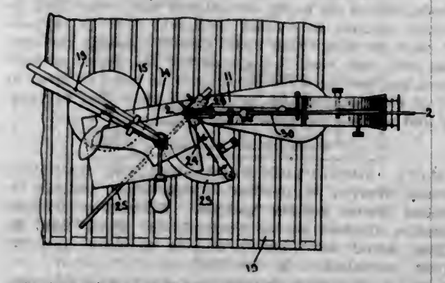
sleeve being slidably but non-rotatably mounted on said headlight shaft and adapted in its upper position to couple said shaft immovably to the frame, a spring actuating said two sleeves whereby to normally keep the one sleeve in engagement with said headlight shaft and the other sleeve out of engagement with the automobile frame.

1,627,061. SWITCH FOR AUTOMOBILE STOP LIGHTS. BENJAMIN V. OGDEN, Philadelphia, Pa. Filed Oct. 19, 1923. Serial No. 669,637. 7 Claims. (Cl. 200—59.)



1. A switch for automobile "stop" lights and the like comprising a member made of insulating material having an internal passageway, a pair of bus bars internally mounted in said member and adapted to be electrically connected with a signal lamp circuit, a plurality of pairs of separated contact devices arranged at intervals in said passageway and electrically connected with said bus bars, a globule of mercury adapted to pass through said passageway to close said circuit as the same contacts with respective pairs of contact devices, said passageway being so shaped as to retard the passage of said globule of mercury, and means for mechanically associating the device with the brake mechanism of the automobile whereby the device will be tilted to thereby cause said globule of mercury to travel through said passageway when the brake mechanism is operated.

1,627,062. PATTERN-GRADING MACHINE. MARSHALL V. PRESTON, Boston, Mass. Filed Nov. 23, 1922. Serial No. 602,742. 35 Claims. (Cl. 164—48.)



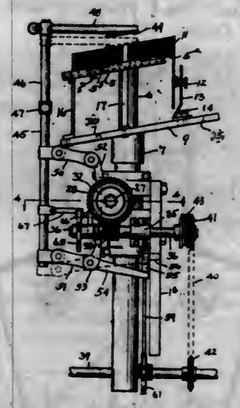
1. A pattern grading machine having a punch and a die as cutting elements and including a pantograph mechanism of which the stationary pivot is related to a given point in the cutting edges of the punch and die.

1,627,063. HAND-BAG ACCESSORY. FRANK J. QUIGAN, Brooklyn, and SAMUEL CAROLIN, New York, N. Y. Filed Oct. 9, 1926. Serial No. 140,447. 4 Claims. (Cl. 150—34.)



1. In combination with a handbag having a flexible body and a channelled frame member, a metal attaching strip adapted to be arranged in the channel of said frame member at the outer side of the edge of the flexible body wall positioned therein and the side walls of said frame member clinched upon said metal strip and body wall to confine the same in connection therewith, and an accessory holder connected with said metal strip and normally depending therefrom exteriorly of the bag.

1,627,064. FEED TABLE FOR SHEET-FEEDING MECHANISM. CHARLES F. ROOT, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 16, 1923. Serial No. 668,903. 9 Claims. (Cl. 271—62.)



1. The combination with a feed table of the character described; of means adapted to elevate said table at a predetermined rate; a vertically reciprocatory member adapted to contact on downward movement with the top of a stack of sheets on said table; means adapted periodically to raise said member; a second member normally preventing operation of said elevating means; and connections between said members whereby the second thereof is rendered ineffective and operation of said elevating means is permitted whenever said first member is allowed by the stack to drop to a predetermined position.

1,627,065. CAP. STANLEY M. RUMBOUGH, New York, N. Y. Filed Feb. 18, 1924. Serial No. 693,431. 2 Claims. (Cl. 221—60.)

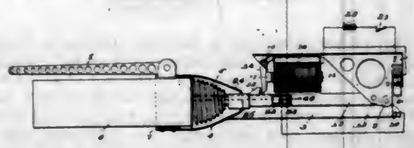
1. A container having a threaded neck in combination with a cap screwing thereon, a retainer ring also screw-

ing on the threaded neck, a spring wire ring having a portion fixedly secured to the cap and having downwardly



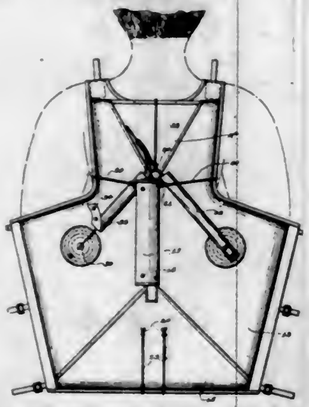
extending resilient arms formed with laterally extending pintle portions which engage the retainer ring.

1,627,066. ELECTRICALLY-OPERATED WING-TIP FLARE BRACKET. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,403. 6 Claims. (Cl. 240—1.)



1. The combination of a supporting bracket, a flare candle housing, a supporting arm for said housing connected by a pivot to said bracket and adapted to swing from its normal carrying position to its operative position, a spring-actuated thrust member acting to move said arm to its operative position and connected to the bracket by a pivot offset from the pivot of said arm, and means for holding and releasing said arm and thrust member.

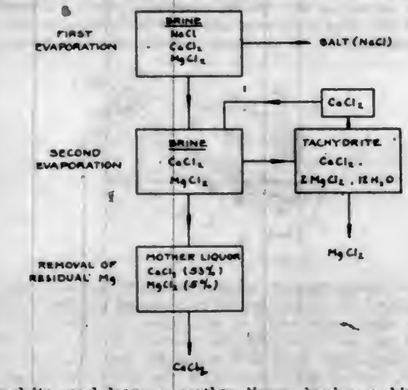
1,627,067. PARACHUTE PACK. JAMES M. RUSSELL, Dayton, Ohio. Filed June 18, 1924. Serial No. 720,815. 13 Claims. (Cl. 244—21.)



1. In a parachute pack of non-rigid flexible construction adapted to extend across the back and around the sides of the wearer, a plurality of releasable flaps for retaining a folded parachute in said pack, elastics extending about the pack connected to said flaps, and stiffening means to hold the shape of the pack at said elastics.

1,627,068. METHOD OF TREATING BRINE. ALBERT KELVIN SMITH, Midland, Mich., and CARL F. PRUTTON, East Cleveland, Ohio, assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Sept. 29, 1923. Serial No. 665,737. 20 Claims. (Cl. 23—91.)

1. In a method of treating a brine of the character described, the steps which consists in evaporating such brine to crystallize out the sodium chloride and evaporating the residual brine containing calcium and magnesium chlorides to crystallize out the latter in the form of

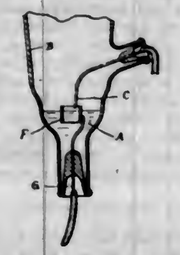


tachydrite, and leave a mother liquor having a higher proportion of calcium chloride to magnesium chloride than the original brine.

1,627,069. LIQUID COATING COMPOSITION. VERNON M. WADE, ARTHUR C. ZIMMERMAN, and SAM D. HERON, Dayton, Ohio. Filed Oct. 19, 1923. Serial No. 669,532. 3 Claims. (Cl. 134—51.)

2. An enamel adapted to be baked on a surface for use under high temperature conditions, comprising a mixture of a bitumen which is solid at ordinary room temperatures and including gilsonite, a vegetable oil; the weight of the bitumen content being substantially from 60% to 80% of the weight of the oil, and a thinner.

1,627,070. METALLIC VAPOR DEVICE. EZECHIEL WEINTRAUB, Neuilly-sur-Seine, France. Filed Dec. 14, 1923. Serial No. 680,691. 8 Claims. (Cl. 176—42.)

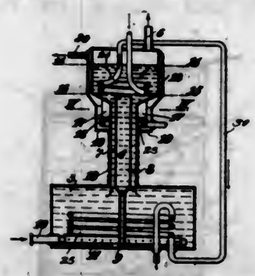


1. In a mercury vapor device including a mercury cathode, means for fixing the cathode spot comprising an electrode element in contact with said mercury cathode, said electrode comprising metal classified within the combined fifth and sixth groups of the Mendeleef periodic system and having a specific gravity at least as great as that of molybdenum and not greater than that of tungsten and melting point above 2000° C.

1,627,071. ABSORPTION REFRIGERATING MACHINE. ELIAS WIRTH, Winterthur, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland, a Corporation of Switzerland. Filed Mar. 31, 1924, Serial No. 703,078, and in Germany July 17, 1923. 4 Claims. (Cl. 62—118.)

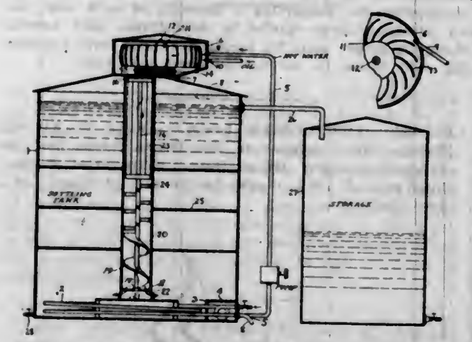
1. In an absorption refrigerating machine, a container comprising an upper and a lower closed compartment in restricted connection, means for heating said upper compartment, means for cooling said upper compartment,

means for leading off the expelled gases from said upper compartment, means for introducing the returning gases into said lower compartment, said restricted connection



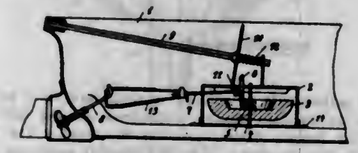
being subdivided into passages, the walls of which are adapted to produce an exchange of heat between the liquid flowing into the lower compartment and the liquid flowing into the upper compartment.

1,627,072. PROCESS OF TREATING IMPURE CRUDE OIL. JOHN F. WRIGHT, El Dorado, Ark. Filed Jan. 26, 1924. Serial No. 688,633. 2 Claims. (Cl. 196—5.)



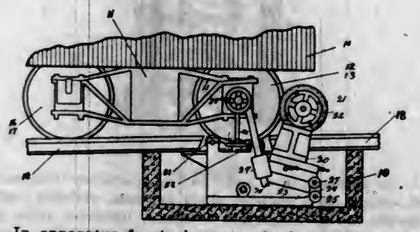
1. The process of treating impure petroleum to relieve it of its impurities comprising spraying and atomizing the impure oil against the rotatable member, spring hot water into contact with said atomized oil, agitating said mixture and passing the same through a series of vertically arranged chambers where the oil and water may separate by gravity and drawing off the oil.

1,627,073. MOTOR MECHANISM FOR TOY-BOATS. CARL ARNOLD, Nuremberg, Germany. Filed Feb. 1, 1924, Serial No. 690,092, and in Germany Mar. 31, 1923. 1 Claim. (Cl. 46—37.)



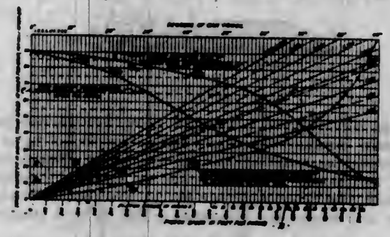
A toy boat comprising a body, a bracket positioned on the bottom thereof, a vertical projection on said bracket, starting means comprising a shaft slidably mounted through one end of said body and through said projection, the end extending without the body adapted to receive a starting crank, a gear fixed on said shaft adjacent the projection and a spring between said gear and projection, a momentum wheel mounted in the bracket, a power imparting shaft extending laterally through the bracket, one end of said power shaft having pinion connections with said gear and said wheel, a link connection on the other end of said power shaft, said link connection cooperating with a propeller carrying shaft extending through a lower end part of the boat body to impel the boat.

1,627,074. APPARATUS FOR TRUING CAR WHEELS. ROBERT S. BLAIR, Sound Beach, and BURLING D. WELLS, Danbury, Conn.; said Wells assignor to said Blair. Filed May 13, 1921. Serial No. 469,154. 13 Claims. (Cl. 51—179.)



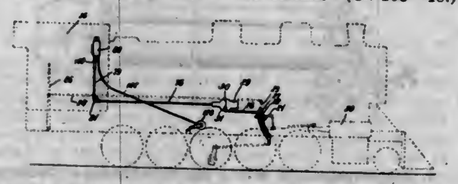
1. In apparatus for truing car wheels and the like, in combination, means adapted to rotate a car wheel in a stationary truck, a truing device adapted to coact with the tread of said wheel, means mounting said truing device at a predetermined distance from the axis of said wheel and maintaining said distance irrespective of bodily movement of said wheel, and means adapted to feed said device toward said axis.

1,627,075. METHOD OF STEAM-ENGINE OPERATION. VIRGINIUS Z. CARACRISTI, Bronxville, N. Y. Filed Sept. 10, 1924. Serial No. 738,708. 7 Claims. (Cl. 105—48.)



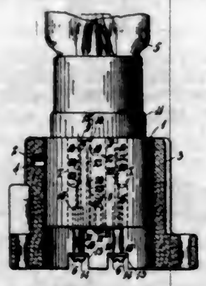
1. A method of steam engine operation which comprises indicating the values of speed in selected units and simultaneously indicating in terms of the same units, the speed at which each position of the cut-off valve will produce the maximum cylinder result.

1,627,076. VALVE CUT-OFF AND SPEED INDICATOR. VIRGINIUS Z. CARACRISTI, Bronxville, N. Y. Filed Jan. 12, 1925. Serial No. 1,869. 33 Claims. (Cl. 105—48.)



1. The combination with the operating gear for the cut-off valve of a locomotive, of means for indicating the surface speed of the locomotive, and means actuated by the said operating gear and indicating in the same units as those in which the surface speed is indicated, those speeds at which the different positions of the cut-off valve will produce the maximum draw-bar pull.

1,627,077. ADAPTER. POWELL CROSLEY, JR., Cincinnati, Ohio. Filed Oct. 9, 1922. Serial No. 593,404. 4 Claims. (Cl. 173—344.)



1. In an adapter, a body having apertures from end to end, each with a channel along one side, yielding contact elements in the respective channels, insulated from each other and lying partly in the respective apertures to be forced therefrom by the prongs of an electrical instrument inserted into the respective apertures, and protruding contact elements on one end of said body, offset from the apertures, insulated from each other, and electrically connected to the respective yielding contact elements.

1,627,078. CONTROLLER FOR FISH LURES. JOHN A. DIENNER, Chicago, and ALEXANDER C. MABEE, Villa Park, Ill. Filed Sept. 15, 1924. Serial No. 737,652. 12 Claims. (Cl. 43—46.)



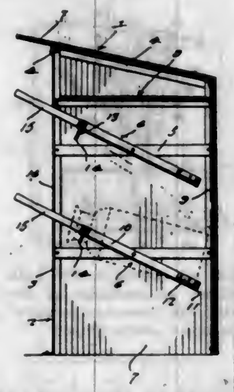
3. In combination, a buoyant body, a Y-shaped guide, a rudder consisting of two blades connected by a flat connecting bar, said connecting bar being adapted to operate within the Y-shaped guide, spring means operating to retain the connecting bar in the base of the Y-shaped guide, and means for attaching a line to said connecting bar.

1,627,079. BRICKMAKING MACHINERY. ARTHUR O. DUPUY, Cleveland, Ohio, assignor to Lancaster Iron Works, Inc., Lancaster, Pa., a Corporation of Pennsylvania. Filed Nov. 8, 1923. Serial No. 673,411. 3 Claims. (Cl. 83—12.)



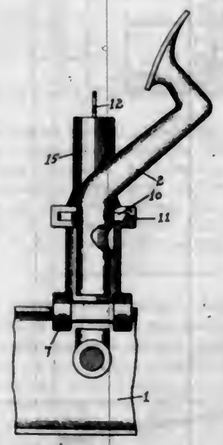
1. The combination with a pug-mill having a discharge opening at one end, of a pair of crusher rolls mounted adjacent said opening, a pivotally mounted spout adapted to direct the material discharged from said opening to said rolls and a reciprocating finger adapted to travel between said rolls and said spout, said finger being a point for suitably clamping the bolts against the side side of said spout and beyond the ends of the rolls.

1,627,080. MILK-CAN RACK. DANIEL T. FELLENBAUM, Coatesville, Pa. Filed Sept. 10, 1926. Serial No. 134,685. 2 Claims. (Cl. 141—1.)



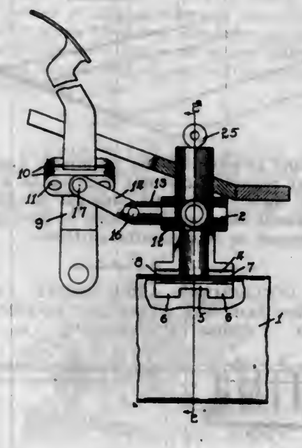
1. In a structure of the class described, a housing, a rockably mounted frame mounted in said housing and constructed for supporting a plurality of milk cans, and an operating lever carried by said frame, said housing including keeper seats for reception of said lever for holding said frame in various adjusted positions.

1,627,081. AUTOMOBILE LOCK. FRANK C. FISHER, Toledo, Ohio, assignor to The Bryan Screw Machine Products Company, Bryan, Ohio, a Corporation of Ohio. Filed Oct. 17, 1924. Serial No. 744,115. 1 Claim. (Cl. 70—128.)



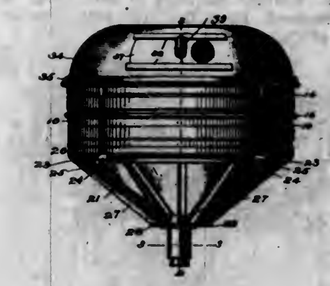
In an automobile lever lock a shell having a pair of lips, the automobile having a channel chassis side bar, one of the flanges fitting between the lips of the shell, one of the lips having a pair of threaded openings, bolts having threaded portions, the threaded portions of the bolts having a length such that when it is threaded into the openings and so as to engage the flange of the side bar, the outer end of the threaded portion will be located within the lip having the openings, the bolts having weakened portions at the ends of the threaded portions and breakable when subjected to a rotative strain beyond a point for suitably clamping the bolts against the side of the flange.

1,627,082. AUTOMOBILE LOCK. FRANK C. FISHER, Toledo, Ohio, assignor to The Bryan Screw Machine Products Company, Bryan, Ohio, a Corporation of Ohio. Filed Feb. 2, 1925. Serial No. 6,280. 1 Claim. (Cl. 70—128.)



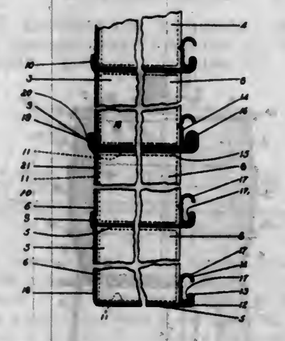
In a lock for an automobile having a speed controlling pedal lever, a frame fixedly connected to the side bar of the chassis frame of the automobile, a key rotatable barrel member, the barrel member having a pin projecting therefrom, a lock bolt having a slot into which the pin projects and slidably mounted in the first named frame and operated by the member, a slide bar located in the frame, a link for connecting the slide bar to the lever, the said bar having a recess for receiving the bolt when it is operated by the barrel member to lock the lever in a definite position.

1,627,083. FILTER FUNNEL. KENNETH G. FRASER, Wellton, Ariz. Filed Jan. 26, 1921. Serial No. 440,197. 2 Claims. (Cl. 210—156.)



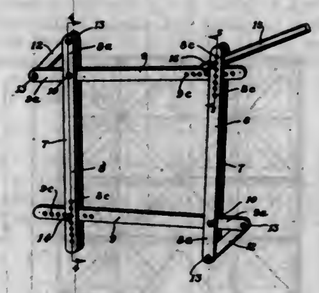
1. In a filter funnel, a filter body having an inlet and an outlet, a filter disposed within said body, a cover for the inlet having a filler hole therein, a cover for said filler hole, said body having a frusto conical bottom provided with a discharge opening in its apex, a rest for the body in the form of an annular plate surrounding said discharge opening, radial reinforcement ribs provided on the bottom of said body and interposed between same and said rest member.

1,627,084. SECTIONAL BIN. GEORGE FRITZ, Cincinnati, Ohio. Filed Sept. 6, 1924. Serial No. 736,255. 5 Claims. (Cl. 211—8.)



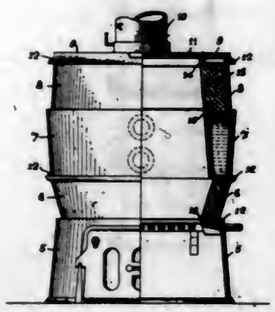
5. In a sectional bin structure, the combination of bin units, grooved card holder strips extending along the forward, lower edge of each unit and a grooved member extending along the forward, upper edge of each unit, the last mentioned grooved member being adapted to slidably interlock in the card holder of the bin next above, for locking together the forward edges of said bins.

1,627,085. FORM CLAMP. WILLIAM C. GIGGAL, Denver, Colo. Filed Aug. 4, 1924. Serial No. 729,957. 1 Claim. (Cl. 144—291.)



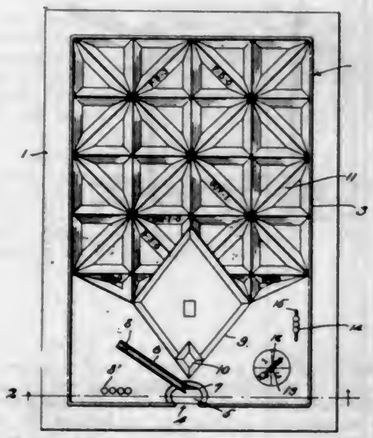
A clamp comprising a rectangular frame composed of bars crossed at the corners of the frame and extended beyond the same, the bars at two opposite sides of the frame being arranged in pairs and the bars at the other sides of the frame being single bars, means for rigidly connecting the extended ends at two diagonally opposite corners of the frame, the extended ends of the bars at the other two corners of the frame being provided at intervals with perforations for the reception of pins, and a lever for adjusting the bars, said lever being pivoted near one end between the pair of bars at one corner of the frame and provided at the pivoted end with a notch extending longitudinally of the lever and permitting the lever to straddle the adjacent single bar for fulcruming the lever against the outer edge thereof.

1,627,086. HEATER. MAXWELL F. GILBERT, Philadelphia, Pa., assignor to Richardson & Boynton Company, New York, N. Y., a Corporation of New York. Filed Jan. 14, 1926. Serial No. 81,136. 6 Claims. (Cl. 126—58.)



1. A heater, comprising a plurality of sections, a lining of fire-resistant and heat-retentive material positioned adjacent one of said sections, and a flange forming a part of an adjacent section and overlapping certain portions of said lining.

1,627,087. GAME. CHARLES WILLIAM GRANT, Lynn, Mass. Filed May 11, 1926. Serial No. 108,320. 2 Claims. (Cl. 273—88.)



1. A game including a board, an upstanding wall thereabout having an opening for receiving a finger of a player, there being a recess in the board adjacent the opening, of laterally extending means inclined downwardly toward the opening for directing a spherical game piece to a point above and dropping it toward the recess.

1,627,088. TRANSFER MEDIUM FOR METALLIZING PURPOSES. WILLIAM F. GRUPE, Lyndhurst, N. J. Filed Aug. 20, 1925. Serial No. 51,364. 10 Claims. (Cl. 41—33.)



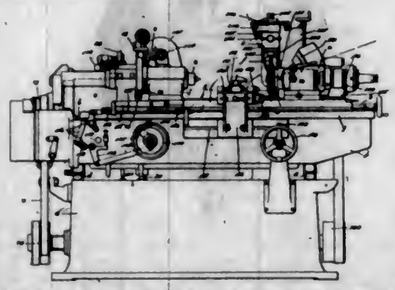
1. A metallic transfer medium comprising a carrier, a layer of heat releasable material disposed on a face of said carrier, metallic particles disposed on said layer of heat releasable material and a layer of heat releasable material disposed on said metallic particles.

1,627,089. INSTRUMENT ATTACHMENT. ABRAHAM HALPIN, New York, N. Y. Filed Mar. 18, 1926. Serial No. 95,581. 3 Claims. (Cl. 84—271.)



1. In a musical instrument, the combination with a circular body, a vibrating member stretched over the body to produce a sound, and tension means on said body for retaining said sound producing member stretched taut upon the body, and manipulatable from a side of the body opposite the sound producing member, of a resonance chamber, and fastening means for retaining said chamber in detachable engagement with said body opposite to the sounding member and adjacent to the tension means, said fastening means including a yoke member secured to the chamber, a movable member having pivotal engagement with the yoke member, and a bridge member on the body having a lateral opening to receive the movable member when the same is swung around its pivot, the movable member having a head to grip the bridge member in holding position.

1,627,090. METAL-WORKING MACHINE. BENGT M. W. HANSON, Hartford, Conn.; Elnar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Filed Oct. 10, 1922. Serial No. 593,487. 48 Claims. (Cl. 51—95.)



1. In a machine of the character described, a fixed bed, a rocking bed, a grinding wheel supported on one of said beds, a slidable work holder on the other of said beds and having means for rotatably supporting a threaded piece of work, means for moving said holder in accordance with the lead of the thread on the work, and a cam operative during the cutting operation for swinging said rocking bed to effect a longitudinal contour of the work.

1,627,091. MAKING KETO AND ALDO ALIPHATIC CARBOXYLIC ACIDS. ALFRED HÄUSSLER, Niederingelheim-on-the-Rhine, Germany, assignor to C. H. Boehringer Sohn Chemische Fabrik, Niederingelheim-on-the-Rhine, Germany, a Society of Germany. Filed Dec. 22, 1925, Serial No. 77,094, and in Germany Mar. 5, 1923. 10 Claims. (Cl. 260—116.)

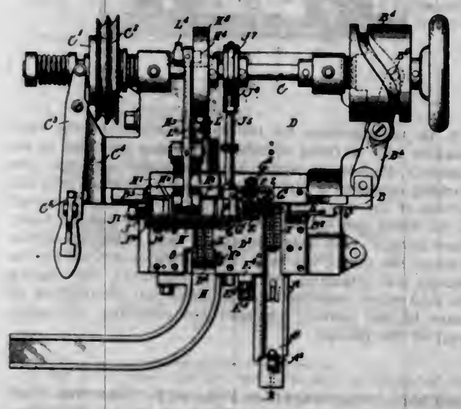
1. The method of making keto and aldo aliphatic carboxylic acids which comprises dehydrogenating esters of hydroxy aliphatic carboxylic acids in the vapor phase by the action of oxygen and converting the obtained esters into the respective acids.

1,627,092. PORTABLE DERAIL. STANLEY W. HAYES, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a Corporation of Indiana. Filed July 25, 1925. Serial No. 45,968. 27 Claims. (Cl. 246—163.)
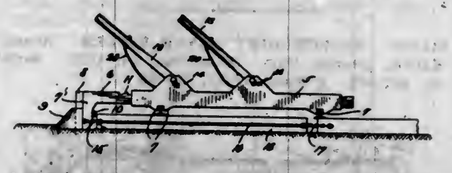


1. A portable derail capable of quick application and release comprising a derailing member having a unitary derail block provided with wheel-derailing contours and having also rail clamping structure movably mounted on and beneath said derailing member at one side of the rail and including power applying means for merely finishing the clamping movement and beginning the release movement, and means for manually effecting the quick rough application and release of the rail clamping means by shifting said clamping structure toward and from the rail.

1,627,093. MACHINE FOR CLEARING MATRIX CAVITIES. HENRY R. HOCHULI, Jamaica, N. Y., assignor to Merganthaler Linotype Company, a Corporation of New York. Filed Aug. 20, 1924. Serial No. 733,111. 34 Claims. (Cl. 29—33.)



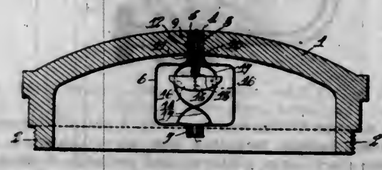
1. In a machine of the class described, the combination of a matrix support adapted to sustain a matrix with its cavity exposed, a picking tool sustained relatively to the support to act in the matrix cavity to remove obstructions therefrom, and means for imparting a relative movement between said support and tool and operatively connected to one of said parts to cause the tool to enter the matrix cavity in one direction and remove the obstruction by movement in a different direction.

1,627,094. RAILWAY-TIE REMOVER. BENJAMIN J. HOOVER, Okolona, Miss. Filed Oct. 13, 1926. Serial No. 141,357. 4 Claims. (Cl. 104—0.)



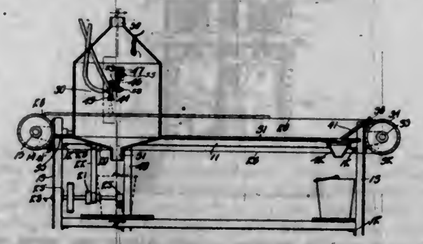
1. In a device of the character described, a hollow body portion adapted to be positioned on the rails of a railway track, a bar movable through the body portion and having a depending head, a chain carried by the head and adapted to operate to remove a tie positioned under the rails, and means for securing a tie to the tie being removed, to cause the last mentioned tie to be positioned under the rails.

1,627,095. ATTACHMENT FOR TANK VENTS. ALBERT S. JAMES, Eureka, Calif. Filed June 18, 1925. Serial No. 38,066. 8 Claims. (Cl. 220—44.)



3. In combination with a tank having a normally open circular air vent, a plunger, and means for mounting said plunger on said tank in a manner and in position for being susceptible to agitation in and through the air vent on movement of said tank, said plunger being non-circular in cross section.

1,627,096. TILE-COATING MACHINE AND PROCESS. LOUIS S. JONES, GARFIELD W. FISHER, and CARL G. HENRIKSON, Anderson, Ind., assignors to The National Tile Company, Anderson, Ind., a Corporation of Indiana. Filed Mar. 16, 1925. Serial No. 16,025. 9 Claims. (Cl. 91—45.)

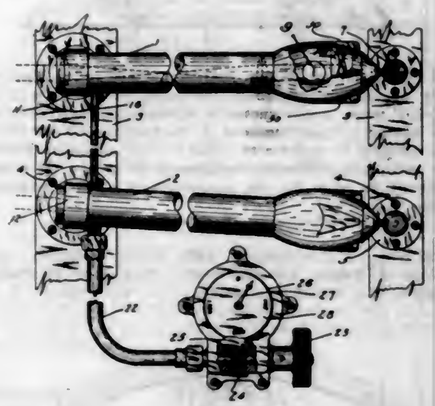


1. A combination machine for treating tile of heterogeneous form comprising a series of parallel wires providing a traveling belt, bands of greater cross section than the wires at one side of said belt extending parallel to said wires, a chamber through which the belt travels, means for producing within the chamber a spray of glazing compound, doors in the chamber adajcent said

bands, and pulleys at opposite sides of the chamber for guiding the elements of said belt in spaced relation to each other, substantially as set forth.

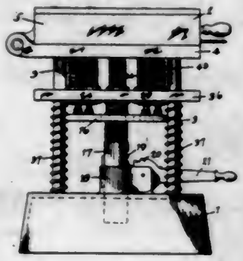
9. In a machine adapted to treat tiles of irregular shape, a conveyor, a fixed arm above the conveyor, a finger secured to the arm for lateral, vertical and pivotal adjustment relatively thereto, and a nozzle pivotally supported on the arm, said nozzle being adjustable lengthwise of said arm, substantially as set forth.

1,627,097. SEARCHLIGHT RANGE FINDER. ROBERT KAUCH, Dayton, Ohio. Filed Dec. 14, 1922. Serial No. 607,003. 6 Claims. (Cl. 33—66.)



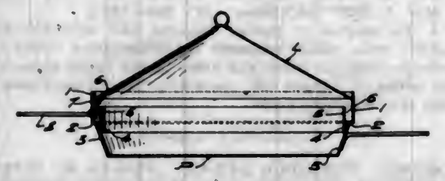
1. In a range finding device, a base, a pair of telescopic searchlights, means mounting said searchlights on the base with their axes coplanar and normally horizontal and for moving said telescopes simultaneously in elevation, and, at the same time, imparting to one of them an angular movement in their common plane, and means connected with the mounting means for indicating the distance at which the searchlight rays intersect.

1,627,098. CASTING MACHINE. JOHN G. KOEGLE, Toledo, Ohio, assignor of one-half to Hugo Boelter, Toledo, Ohio. Filed June 17, 1926. Serial No. 116,603. 4 Claims. (Cl. 22—153.)



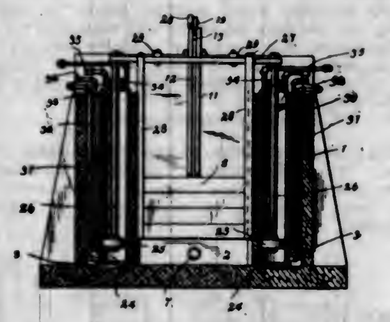
1. In a casting machine, a mold having two parts, one of the parts having a non-inverted cone shaped sprue hole and recesses forming the gateways and a side of each of the matrices of the mold, the other part for closing one side of each of the recesses that form the gateways and having recesses that with the other of the said recesses of the first named part form the matrices of the mold.

1,627,099. ATTACHMENT FOR FRYING PANS. CHARLES A. LANDGREN and JULIA A. LANDGREN, Silverton, Oreg. Filed Feb. 11, 1926. Serial No. 87,641. 1 Claim. (Cl. 53—7.)



An attachment for a frying pan, comprising a continuous rim, an inwardly disposed flange at the inner edge of said rim adapted to rest upon the upper marginal portion of the pan, an upstanding flange formed upon the inner edge of the inwardly disposed flange in spaced relation with the rim to form an annular collecting chamber, a depending flange at the inner edge of the inwardly disposed flange adapted to engage the inner wall of the pan below the marginal edge thereof, a plurality of circumferentially spaced lugs arranged upon the inner wall of the rim adjacent the upper edge thereof and a conical shaped lid having its base edge adapted to rest upon said lugs.

1,627,100. MOTOR. CÉLESTIN LECHENNIER, Tampa, Fla. Filed Sept. 15, 1926. Serial No. 135,603. 3 Claims. (Cl. 253—18.)

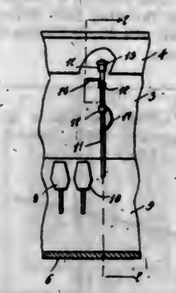


1. In an apparatus for the purpose set forth, the combination of a working chamber, a plunger mounted to reciprocate therein, a water tank arranged adjacent the working chamber, a pipe leading from said tank into the bottom of the working chamber, a valve arranged to seat in the upper end of said pipe to cut off the flow of water therethrough, said valve having a bail rising therefrom through the top of the tank, and means controlled by the plunger and engaging the bail for unseating and seating the said valve whereby to establish or cut off the flow of water to the working chamber for reversing the movement of the plunger.

1,627,101. COMPOSITION FOR TOY TORPEDO CASINGS. JOSEPH MARTELLI, Vineland, N. J. Filed Dec. 23, 1924. Serial No. 757,610. 2 Claims. (Cl. 106—39.)

1. A composition for the construction of toy torpedo casings consisting of a mixture of 4 parts of saw dust, 1 part of starch and 2 parts of rosin.

1,627,102. KNEE-OPERATED THROTTLE-VALVE-CONTROLLING MEANS. ANTONIO S. MARTIN, Schenectady, N. Y. Filed Jan. 18, 1927. Serial No. 161,850. 9 Claims. (Cl. 137—139.)



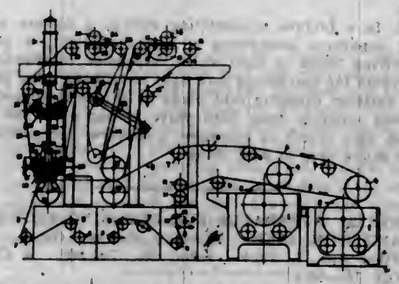
1. Knee operated means for the throttle valve of an automobile, comprising a vertical shaft, an arm secured to the shaft, means connecting the arm to the throttle valve, a downwardly and rearwardly inclined arm secured to the shaft, and a spring secured to the automobile and shaft.

1,627,103. BAGASSE BOARD AND METHOD OF MAKING THE SAME. CHARLES W. MASON, Olaa, Territory of Hawaii. Filed Sept. 9, 1926. Serial No. 134,585. 10 Claims. (Cl. 92—13.)

1. The method of making artificial lumber from bagasse, which comprises cooking the bagasse in milk of lime, refining the cooked fiber to produce a substantially uniform pulp, adding to the pulp from 10% to 20% of raw bagasse, forming the resultant fibrous mixture into sheets, and uniting the sheets in superposed relation to form boards of the desired thickness.

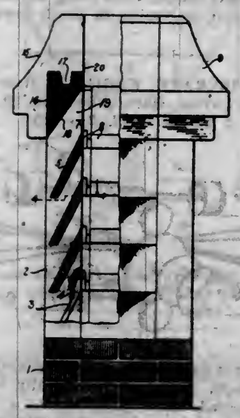
10. A fiber board comprising a body of cooked and refined bagasse fiber admixed with raw bagasse impregnated with a vermin destroying agent.

1,627,104. APPARATUS FOR THE MANUFACTURE OF TUBES OF CEMENT ASBESTOS OR SIMILAR SUBSTANCES. DIEGO MATTEI and ADOLFO MAZZA, Genoa, Italy, assignors to "Eternit," Pietra Artificiale, Societa Anonima, Genoa, Italy, an Italian Company. Filed Feb. 18, 1921, Serial No. 446,046, and in Italy Mar. 2, 1920. 4 Claims. (Cl. 92—66.)



1. In a machine for the manufacture of pipes of the character described, means for forming a pulp layer comprising a pair of squeezing rollers, an endless band for protecting from the pulp the upper rollers of said pair, a main pipe forming cylinder for receiving the layer of pulp, after the latter has passed between said squeezing rollers, a flexible band partially encircling the periphery of the pipe forming cylinder for compressing the pulp thereon, a set of heavy driven rollers distributed along the periphery of the pipe forming cylinder to compress the pulp during the manufacture of the pipe, and means for guiding the latter rollers to permit their displacement and for gradually decreasing their pressure on the pipe forming cylinder as the thickness of the pipe is increased.

1,627,105. CHIMNEY. WILLIAM J. MEIER, Lansing, Mich. Filed June 16, 1925. Serial No. 37,553. 3 Claims. (Cl. 98—66.)



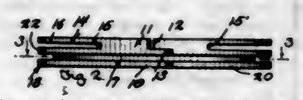
1. In a chimney, the combination with corner uprights each having on adjoining faces downwardly and outwardly inclined grooves, of vanes provided with side flanges constructed to engage the grooves of the uprights thereby affording upwardly inclined air channels between them, and a chimney top formed of separable members constructed to engage each other and to engage the said uprights, the said uprights and chimney top having upwardly and inwardly inclined portions in contact whereby the weight of the top exerts an inward pressure on the uprights.

1,627,106. MEASURING INSTRUMENT. MAX MOELLER, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, and elsewhere, a Corporation of Germany. Filed Sept. 16, 1924, Serial No. 738,039½, and in Germany Apr. 29, 1924. 3 Claims. (Cl. 116—129.)



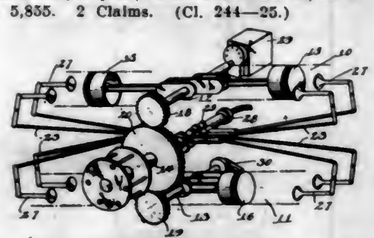
2. A measuring instrument adaptable to indicate measuring values requiring calibrations in values different from those to which the instrument is normally calibrated, comprising a visible scale fixed in the instrument and bearing the normal instrument calibration, and a stationary cover mounted on the outside of the instrument, a rotatable disk disposed below said cover and operable from the disk periphery, a circular removable double scale mounted on said disk, one graduation of said double scale corresponding with the graduation in the normal values of the fixed scale, the other graduation indicating correspondingly the other, different measuring values to be determined by the measurement.

1,627,107. PISTON RING. MATHEW M. MORATTA, Princeton, Ind. Filed July 16, 1926. Serial No. 122,951. 5 Claims. (Cl. 74—109.)



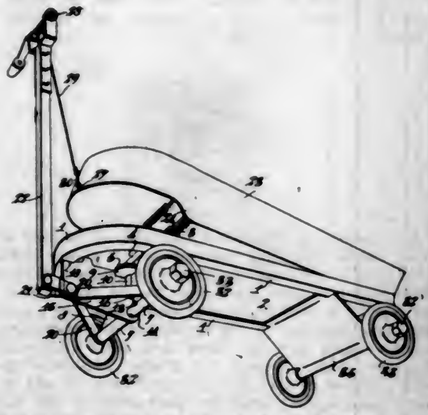
1. A piston ring comprising a split resilient body formed with a pair of oil grooves, one of said grooves extending completely through the body and substantially the entire circumference of the ring, and the other groove extending entirely through the body of the ring at the front thereof and decreasing in depth towards the back of said ring.

1,627,108. AIRCRAFT ENGINE. HAROLD EMERSON MOREHOUSE, Dayton, Ohio. Filed Jan. 30, 1925. Serial No. 5,855. 2 Claims. (Cl. 244—25.)



1. In a four-cylinder aircooled propeller-driving engine, a propeller shaft, a pair of horizontally opposed engine cylinders disposed below said shaft, a double throw crankshaft having pistons connected thereon operating in said cylinders, a two to one gearing between said propeller shaft and said crankshaft, a second pair of opposed engine cylinders above said propeller shaft in parallel relation to said first cylinders and the duplicate thereof, said cylinders having a crankshaft geared to said propeller shaft in relation to the crankshaft of the first pair of cylinders, so that the firing impulses are displaced 180° crankshaft travel and 90° propeller shaft travel, both of said pairs of engine cylinders being disposed broadside to the propeller slipstream and valve mechanisms between the pairs of engine cylinders operated from the propeller shaft.

1,627,109. WAGON. JOSEPH T. NORMAN, Frederick, Md. Filed May 7, 1926. Serial No. 107,401. 8 Claims. (Cl. 280—87.5.)



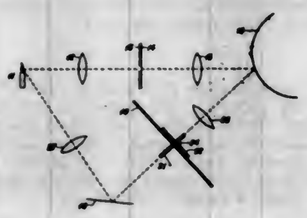
1. In a wagon, a frame consisting of a pair of longitudinal side bars united at the front by a curved section, rear supporting wheels and a standard therefor on which the frame is mounted, front wheels and axle and means including a fifth wheel with a king bolt for mounting said frame on the front wheels and axle, and a means distinct from the fifth wheel and movable with the axle on the axis of the king bolt as a center to apply stresses which tend to bend the king bolt directly to said curved section of the frame, thereby relieving the king bolt, and a floor on said frame.

1,627,110. INDICATOR. CHARLES M. NORRIS, Denver, Colo. Filed Aug. 20, 1926. Serial No. 130,491. 1 Claim. (Cl. 197—189.)



A device of the character described comprising a body, fingers secured thereto and adapted to be associated with a sheet of typewriting paper, so as to indicate that the bottom of the paper is being reached while typewriting thereon, and said device being formed from resilient metallic material curved upon itself to follow the curvature of the platen of a typewriter and being colored so as to be readily observed by the typist.

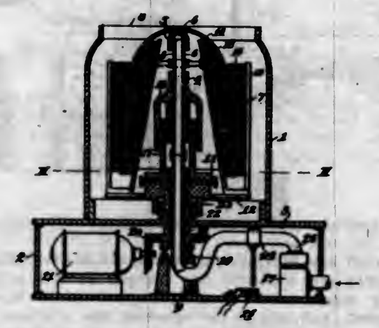
1,627,111. PICTURE-TRANSMITTING SYSTEM. HARRY NYQUIST, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 23, 1925. Serial No. 4,352. 7 Claims. (Cl. 178—7.)



1. In a picture transmitting system, a picture receiving apparatus comprising a source of light, a picture receiving blank, a light valve responsive to transmitted currents for controlling said light to reproduce the picture by variably exposing said blank to the light source, and means separate from said valve acting upon the light from said source to superpose a uniform dot pattern on the entire area of said blank.

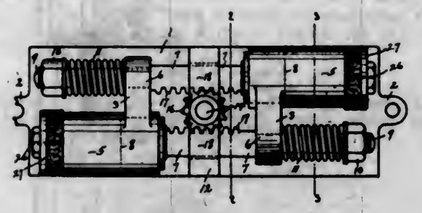
1,627,112. APPARATUS FOR CLEANING POTTERIES AND THE LIKE. ACHILLE PARODI, Genoa, Italy. Filed Apr. 7, 1924. Serial No. 704,869. 4 Claims. (Cl. 15—56.)

1. An apparatus of the character described including a casing embodying a lower closed chamber and an upper open chamber, a tubular shaft mounted vertically in the two chambers, a brush support carried with the shaft and positioned in the upper chamber, means in the lower chamber for rotating the shaft, valved liquid supply means located in the lower chamber, a pipe including a vertical portion slidably mounted through the shaft and projected into the upper part of the upper chamber and having a horizontal portion continuing from the vertical portion and arranged through the lower chamber and a vertical lower portion continuing from the horizontal portion and forming part of the valve supply means, resilient means for holding the pipe in an elevated and closed position, the pipe being adapted to move downwardly upon the insertion of an object to be cleaned to



actuate the valve supply means to allow liquid to pass through the pipe and to be directed against the inserted object, means for controlling the rotation of the shaft, and means carried with the horizontal portion of the pipe and coacting with the controlling means for rotating the shaft simultaneously with the depression of the pipe so that the brush support will be rotated while the liquid is being directed against the inserted object.

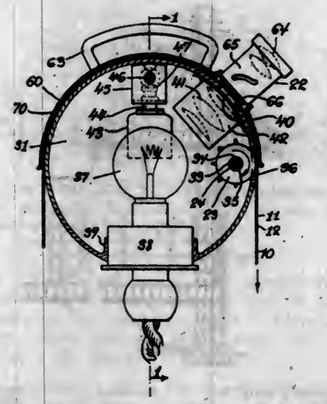
1,627,113. SNUBBER FOR VEHICLES. GEORGE C. PEARSON, Youngstown, Ohio. Filed Jan. 7, 1926. Serial No. 79,873. 1 Claim. (Cl. 267—8.)



A snubber comprised of two air chambers, two compression springs arranged so that one compression spring and one air chamber are oppositely disposed and function upon a single piston arm, inwardly extending rack teeth formed on the central portion of each of said piston arms, a shaft, a cog wheel secured to said shaft and functioning with said inwardly extending rack teeth, a drum secured to an exposed end of said shaft, a flexible strap secured to said drum member and wound around the same, the lower end of said flexible strap secured to an axle, substantially as described for the purpose set forth.

1,627,114. PROJECTING APPARATUS. JULES A. PERRAULT, Lowell, Mass., and HENRY LUBA, Astoria, N. Y., assignors to Recreator Phonograph Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 17, 1921. Serial No. 523,185. 4 Claims. (Cl. 88—16.)

1. A motion picture apparatus comprising a cylindrical casing, a cover therefor, cooperating film projecting means carried by said casing and cover, and means for operating a motion picture film between said casing and



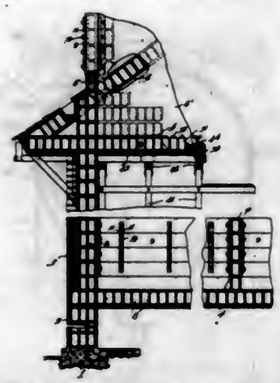
cover to cause the film to be projected by the said cooperating film projecting means.

1,627,115. LIQUID-DISPENSING APPARATUS. LOUIS HENRI PITZSCH, Coburg, Melbourne, Victoria, Australia. Filed Mar. 11, 1927, Serial No. 174,644, and in Australia Dec. 18, 1925. 27 Claims. (Cl. 221—100.)



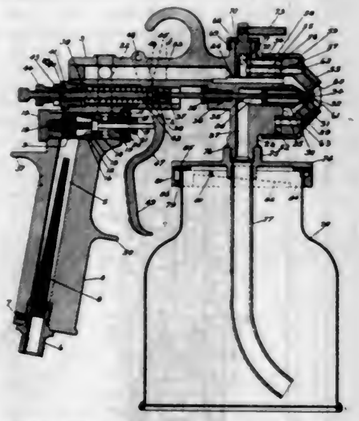
1. In apparatus for measuring and dispensing petrol and other liquids the combination of a measuring chamber, a series of independent liquid supply pipes passing to said chamber, an inlet valve in each supply pipe for separately controlling the admission of liquid through each of said supply pipes to the measuring chamber, a vertically adjustable overflow tube passing into said chamber, a distributary drain valve connected with said overflow tube, a series of drain pipes leading from said drain valve, and means for selectively operating said inlet and drain valves whereby a corresponding supply pipe and drain pipe may be simultaneously opened to the measuring chamber to the exclusion of the other of said pipes for the purpose specified.

1,627,116. MOLD FOR CONCRETE BUILDINGS. JOHN C. POETZ, Leonia, Idaho. Filed Dec. 21, 1925. Serial No. 76,583. 2 Claims. (Cl. 25—131.)



1. A sustaining wall for molding plastic material comprising form plates having sockets therein, slotted stays for engaging a plurality of plates, and headed bolts in said stays for engaging said sockets.

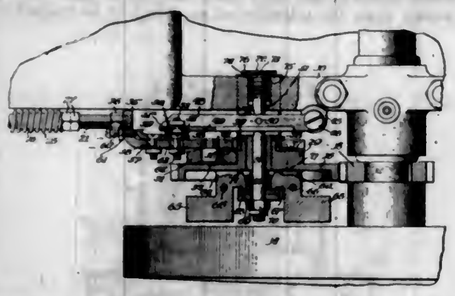
1,627,117. APPARATUS OR TOOL FOR APPLYING COATING MATERIAL. JAMES JARVIS PREBLE, Newton, and WAYNE B. THOMPSON, Winchester, Mass., assignors to Spraco Painting Equipment Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 13, 1925. Serial No. 15,283. 11 Claims. (Cl. 91—45.)



1. A spray gun, having, in combination, means to supply coating material, means to subject the same to the action of a motive agent thereby effecting the discharge of the coating material, a member through which the motive agent may be discharged supplementally upon the discharged coating material, and means independent of the member for determining the plane of the supplemental discharge.

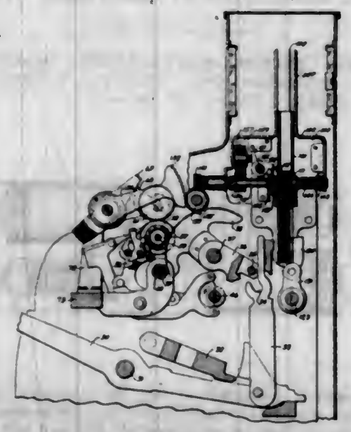
1,627,118. GOVERNOR FOR EXPLOSIVE ENGINES. CHARLES A. ROBERTSON, Jackson, Mich., assignor to Montgomery Ward & Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1924. Serial No. 701,260. 21 Claims. (Cl. 123—118.)

1. In a governor of the class described, the combination with the ignition mechanism of an explosive engine, and the actuating means thereof for effecting the generation of a spark thereby, of an abutment hingedly mounted with respect to the engine frame and adapted to be swung into the path of movement of said actuating means, whereby to arrest movement of the latter and to prevent generation of the spark, a member slidably



mounted and controlled by the speed of the engine for swinging said abutment into engagement with said actuating means when a predetermined speed has been attained, and means for releasing the abutment from engagement with the actuating means when the speed has been reduced.

1,627,119. CASH REGISTER. WILLIAM H. ROBERTSON, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Mar. 11, 1924. Serial No. 698,447. 50 Claims. (Cl. 235—23.)

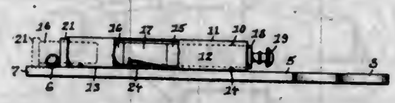


1. In a cash register, the combination of a single stationary indicator holder comprising a plurality of compartments, a plurality of indicator tablets located in each compartment, a totalizer having a plurality of denominational elements, and a plurality of groups of notched disks, one group for each compartment of indicator tablets for selecting a certain one of said tablets in each group for operation.

1,627,120. GAME APPARATUS. TOUFIK ALBERT SATEOH, Central Falls, R. I. Filed Jan. 6, 1927. Serial No. 159,872. 1 Claim. (Cl. 273—107.)

A game apparatus comprising an elongated base, a handle on one end of the base, a cover on the base and forming a tube, a tubular striking member in one end of the cover and normally contacting with the end of the cover, a tubular pull striking member in the other end

of the cover, a knob on the pull striking member, an intermediate tubular striking member in the cover, the tubular striking members forming a central bore closed at each end, a helical spring in the central bore, one end of the spring being secured to the tubular striking



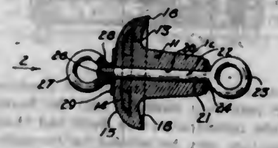
member and the other end of the spring being secured to the tubular pull striking member and helical springs secured at one end to the intermediate tubular striking member and at their other ends to the base, for the purpose as described.

1,627,121. EYE PROTECTOR. LOUIS SCHERZ and EMIL SCHERZ, Wilkes-Barre, Pa. Filed Apr. 28, 1926. Serial No. 105,176. 2 Claims. (Cl. 2—10.)



1. The combination with a cap, of an eye protector comprising separable sections, an elastic connecting the outer end of each section with a side of the cap and complemental fastening elements, on the crown of the cap and at the inner ends of the said sections for securing the latter to the cap when detached or connecting the sections when the device is placed against the face to protect the eyes.

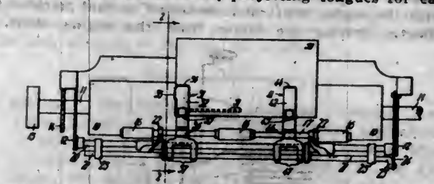
1,627,122. CONDUIT CLEANER. RALPH B. SCOTT, Los Angeles, Calif. Filed Aug. 26, 1926. Serial No. 131,570. 2 Claims. (Cl. 15—104.16.)



1. A conduit cleaner comprising: a tough resilient body having a boss elongated on the axis of said body, and an annular flange, said annular flange having a rear convex face and a front face which faces meet to form an annular and continuous contact edge; and means for connecting pull wires to said conduit cleaner.

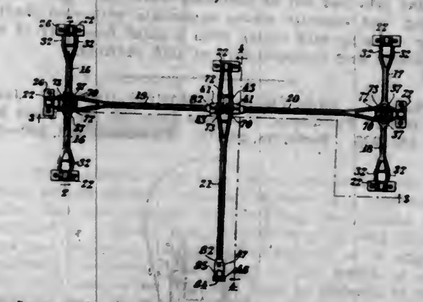
1,627,123. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 2, 1925. Serial No. 27,377. 9 Claims. (Cl. 197—135.)

1. In a typewriting machine including a platen; a set of two clips arranged to be detachably mounted on said machine provided with vertical and lateral gage-pin means, said clips arranged for holding a card vertically in printing position against said platen, said gage-pin means comprising rearwardly-projecting tongues for each



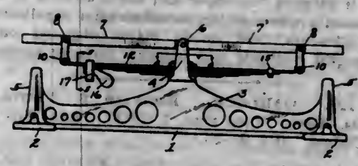
of said two clips, and a rearwardly-projecting flange positioned upwardly from said tongue on the left edge of the left one of said two clips.

1,627,124. WEIGHING MACHINE. MORTON H. STARR, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Dec. 29, 1924. Serial No. 758,521. 28 Claims. (Cl. 265—71.)



1. In a scale, the combination with a lever having an opening formed therein, of two levers arranged transversely thereto and having their ends projecting into the said opening, and adjustably mounted universal connections between the said levers.

1,627,125. DEMONSTRATING DEVICE FOR SHOCK ABSORBERS AND THE LIKE. HARVE R. STUART, Springfield, Ohio, assignor to The Bauer-Stuart Company, Springfield, Ohio, a Corporation of Ohio. Filed Aug. 19, 1924. Serial No. 733,009. 7 Claims. (Cl. 35—16.)

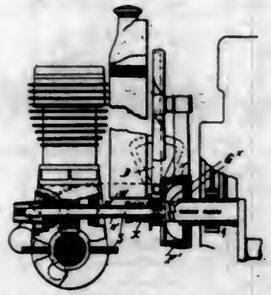


1. In a demonstrating device of the character described, parts representing an axle, a pair of duplicate movable frame members each independent of the other, and a supporting spring, one frame member being connected with one end of said spring, and the other frame member connected with the other end of said spring, and a shock absorbing device between the axle and one only of said frame members.

1,627,126. DRIVING ARRANGEMENT FOR MACHINES INSTALLED ON AUTOMOBILES. MARIO TAMINI, Milan, Italy. Filed Aug. 29, 1921, Serial No. 496,567, and in Italy Mar. 30, 1921. 2 Claims. (Cl. 180—53.)

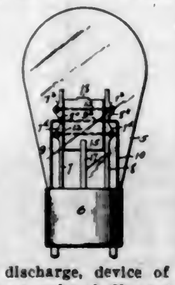
1. In combination with a motor vehicle having its engine arranged at the front portion of the same, of a

driven machine carried by the vehicle, located slightly forwardly of the engine and arranged between the side bars of the chassis of the vehicle, rigid shafting coaxial with the engine shaft and connected to said machine for directly driving the latter from the engine shaft, a



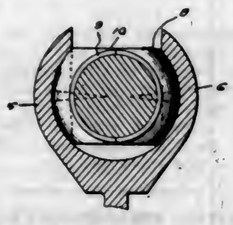
clutch associated with said shafting to throw said machine into and out of operation while the engine is running, and separate means concentric with said shafting for cranking said engine from a point forwardly of said machine and independently of said shafting.

1,627,127. ELECTRON-DISCHARGE DEVICE. JAMES HENRY THOMPSON, Hollidays Cove, W. Va. Filed Mar. 18, 1925. Serial No. 16,414. 2 Claims. (Cl. 250—27.)



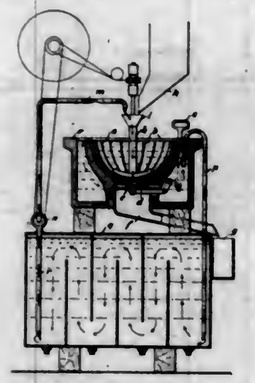
1. An electron discharge, device of the character described comprising a pair of filament supporting posts, both in spaced relation to each other, with a pair of independent strands extending therebetween on each side thereof and in vertically spaced relation to each other and removably secured at their ends to said posts; a grid electrode extending around said posts at a level to bring it between the upper and lower strands of the pair of filaments where it lies in substantial parallelism with said filaments, and anode plates disposed outwardly of the grid electrode and supports for said anode plates.

1,627,128. OARLOCK. REGINALD S. TRAVIS, Union Mills, Wash. Filed Sept. 7, 1926. Serial No. 134,004. 3 Claims. (Cl. 9—25.)



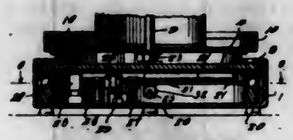
1. In combination, an oar bushing including a pair of sections each comprising a substantially semi-spheroidal body having semi-cylindrical ends, each body having a flattened side, and an oar lock including a pair of spaced parallel arms with their inner sides dished out.

1,627,129. APPARATUS FOR WASHING REFUSE CONTAINING PRECIOUS METAL. GOTTHILF UNRATH, Pforzheim, Germany. Filed May 18, 1926, Serial No. 110,006, and in Germany Mar. 17, 1925. 1 Claim. (Cl. 209—465.)



An apparatus for washing refuse from sweepings containing precious metal by means of circulating and permanently cleaned water, comprising in combination a stirring cup of semispherical shape and having a central discharge opening in the bottom and radial grooves in its inner surface converging towards said central opening to conduct the heavy particles of the refuse which contain precious metal to said central discharge opening, a hollow agitator in said cup, an outer vessel enclosing said stirring cup and designed to receive the water with the light refuse particles flowing over from said stirring cup, a settling tank under said outer vessel, an overflow connecting said outer vessel to said settling tank, and means for lifting the water from said settling tank into said hollow agitator.

1,627,130. ROTATABLE DISPLAY STAND. JAMES B VOGLER, Charlotte, N. C. Filed June 19, 1924. Serial No. 721,121. 2 Claims. (Cl. 211—20.)

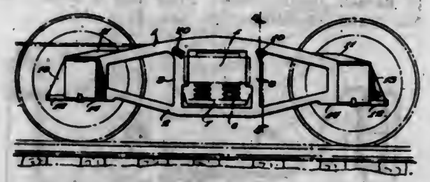


1. In a rotatable display stand, the combination of a base, a floor rotatably mounted on the base, a hollow cylindrical tube mounted on the floor and through which electric conductors may be carried in concealed position, said tube being adapted to support an electric lamp on the top of the tube, a series of trays of graded sizes having annular upturned flanges, said trays gradually decreasing in size tier by tier toward the top of the stand, a series of cylindrical supports, the respective trays and cylindrical supports being rotatable relative to the hollow cylindrical tube which supports the lamp, a ring gear affixed to said floor device, and means operatively connected with said ring gear for rotating the floor and trays.

1,627,131. CAR-TRUCK SIDE FRAME. BURNETT THOMAS WASHINGTON, Williamson, W. Va. Filed Nov. 5, 1925. Serial No. 67,039. 2 Claims. (Cl. 105—206.)

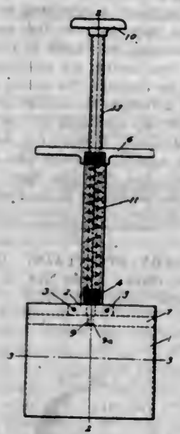
2. A car truck side frame comprising upper and lower members, intermediate connecting bolster side columns, and end journal boxes, the lower member having its end

portions extending beyond the outer sides of the journal boxes in line with their bottom surfaces to provide extended surfaces for a lifting jack when supported upon



a cross tie, webs between the outer sides of the journal boxes and the end extensions of the lower frame member, and other webs between the tops of the journal boxes and upper frame member.

1,627,132. ICE-CREAM DISHER. WILLIAM F. WENDEL, Girard, Pa. Filed June 25, 1925. Serial No. 39,485. 1 Claim. (Cl. 107—48.)



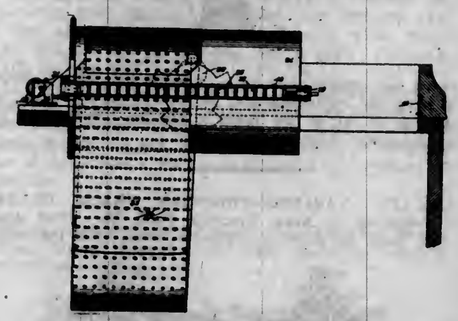
In an ice cream disher, the combination of an oblong thin-walled shell open at its front end; a plunger in the shell; a head secured in the shell; a sleeve secured to the head; a handle on the sleeve; a stem on the plunger extending through the sleeve and handle on the sleeve; a handle on the stem; a spring in the sleeve; and a sleeve on the stem extending from the handle on the stem into the first-mentioned sleeve and engaging at its end the spring.

1,627,133. DISPLAY EASEL. GEORGE H. AILES, Philadelphia, Pa. Filed Nov. 10, 1925. Serial No. 68,061. 5 Claims. (Cl. 211—14.)



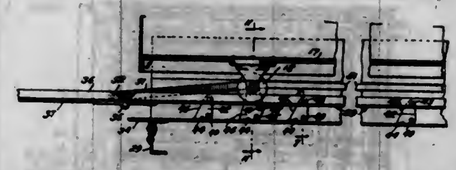
1. A display easel comprising two separable members formed of bent wire, one of said members being adapted to be placed in an upright position, said upright member being substantially U-shaped in general contour and having side portions provided with coils and leg portions extending below said coils, parts extending across between the upper ends of the side portions, and a lower member also substantially U-shaped in general contour having side portions slidably mounted in the coils in the side portions of the upright member, and a horizontal bar extending across between the front ends of the side portions of the lower member, the arrangement being such that the extension of the front end of the lower member may be varied by sliding the side portions thereof in the coils in the side portions of the upright member.

1,627,134. PROJECTING MACHINE. ORAZIO ANTONELLI, Brooklyn, N. Y., assignor, by mesne assignments, to Recreator Phonograph Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 12, 1921. Serial No. 444,547. 19 Claims. (Cl. 88—16.)



1. The combination with an endless relatively wide film band, having pictures arranged thereon in a continuous spiral line and equipped with feeding perforations also arranged in a spiral line corresponding to said picture line and bordering the same throughout, of a support relatively elongated with respect to the width of such film band over which the film band is adapted to slide and also move laterally, and operating means associated with said support, adapted to engage the perforations of the film band to advance the same, and by such engagement to also feed the film band laterally upon said support, whereby the spiral picture line on the film band is caused to traverse a given line of picture projection.

1,627,135. MOVING VAN. RUDOLF ARIO, Brooklyn, N. Y. Filed Mar. 29, 1926. Serial No. 98,150. 6 Claims. (Cl. 214—38.)

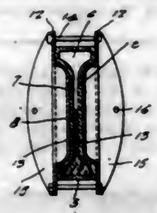


1. A van body with rollers, a platform under said van body and movable tracks under said rollers, a tailboard pivotally connected to said tracks, links and levers supporting said tracks and links and pivots connecting the tailboard and levers so that by raising or lowering the tailboard the tracks may be raised or lowered and made to disengage the rollers or engage and raise the same so as to permit the van body to be shifted from the platform.

1,627,136. INCLINOMETER. ENOS FRANKLIN ARNOLD, Long Beach, Calif. Filed Jan. 8, 1926. Serial No. 80,078. 2 Claims. (Cl. 33—209.)

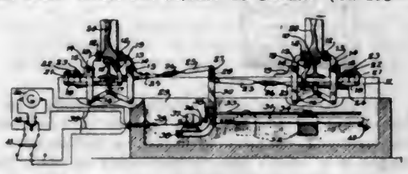
1. In an inclinometer of the class described adapted to be supported within an opening of a vehicle instrument board, a relatively square shaped transparent vessel including a central web portion and a marginal liquid channel for providing depressions upon the opposite sides of

the vessel, said vessel being partly filled with a liquid, a pair of plate members adapted to be supported upon the opposite sides of the vessel and having depressions therein for interfitting relation with the depressions of the



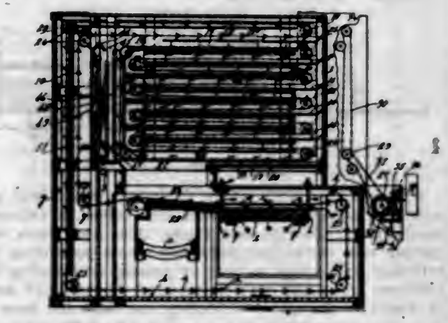
vessel, and graduations upon the front side of the vessel whereby the inclination may be ascertained by reason of the rise or fall of the liquid within the forward side of the marginal channel.

1,627,137. VARIABLE-PRESSURE TRACK BRAKE. MARSHALL E. BARR, Franklin Park, Ill. Filed Aug. 21, 1925. Serial No. 51,643. 16 Claims. (Cl. 188—62.)



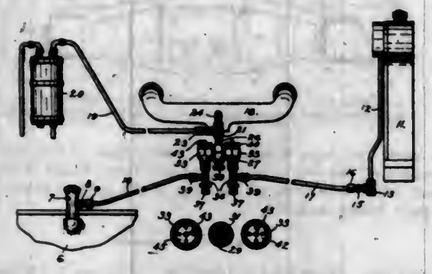
1. In a track brake structure, gripper rails spaced at opposite sides of the track rail, spreading and contracting mechanism connected to the gripper rails, an adjustable weight connected to the mechanism, and remotely controlled means for shifting the weight to control the operation of said mechanism.

1,627,138. STARCH-MOLDING APPARATUS. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed June 11, 1925. Serial No. 36,395. 11 Claims. (Cl. 107—3.)



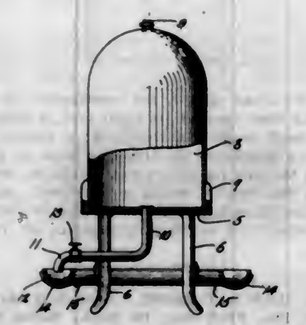
7. In apparatus of the general class described, having means for separating candles and starch into which means trays filled with candles molded in starch may be emptied and also having supporting means on which an empty tray may be placed in position to be filled with starch, a starch drying means, and means for taking starch delivered from said separating means and carrying it to and through said drying means and delivering it into an empty tray on said supporting means, said drying apparatus comprising a heated surface over which the starch is carried in a thin layer by said conveying means.

1,627,139. AUXILIARY CHARGE-FORMING MEANS FOR INTERNAL-COMBUSTION ENGINES. ADOLPH J. P. BERTSCHY, Plattsmouth, Nebr., assignor to David O. Barnell, Omaha, Nebr. Filed May 9, 1925. Serial No. 29,135. 3 Claims. (Cl. 123—25.)



1. Auxiliary charge-forming means for liquid-cooled internal-combustion engines, comprising a conduit arranged to receive air and vapors from the cooling-fluid of the engine, a second conduit arranged to receive vapors from the crank-case of the engine, an adjusting-valve for each conduit to limit flow through the same, means connecting said conduits and arranged to deliver the vapors received therefrom to the intake manifold of the engine, and automatic suction-controlling means for each conduit, said suction-controlling means adapted and arranged to proportionally impede flow through the respective conduit as suction from the manifold is increased.

1,627,140. POULTRY FOUNTAIN. GEORGE H. BINDEMANN, Wauseon, Ohio. Filed Nov. 3, 1926. Serial No. 146,011. 1 Claim. (Cl. 119—72.)

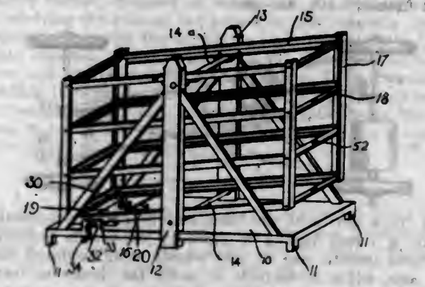


In a device of the character described, a support, upwardly extended fingers forming a part of the support, a container positioned on the support, legs forming a part of the support, arms extending outwardly from the legs and having curved extremities, a rectangular trough curved to conform to the curvature of the arms to rest in the curved portions of the arms, and means for delivering water to the trough.

1,627,141. EGG PRESERVER. HANS BOGAN, Springfield, Ill. Filed July 13, 1925. Serial No. 43,231. 1 Claim. (Cl. 99—6.)

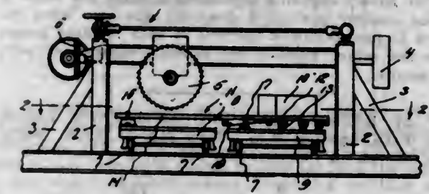
A device of the class described comprising a platform, posts thereon, a shaft journalled on said posts, a rack balanced intermediate its length on said shaft, trays

adapted to be supported on said rack, means for tilting said rack comprising a plate mounted on said rack, a



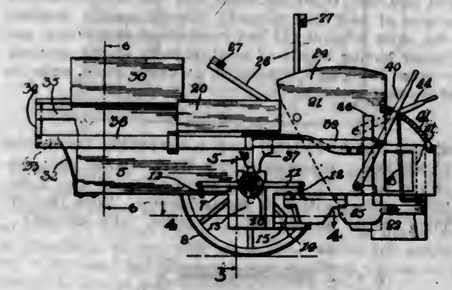
tilting screw engaging a pivoted boss centrally disposed on said plate and rotatably mounted on said platform, and means for rotating said screw.

1,627,142. STONE-CUTTING MACHINE. EARL BOLTON and FLOYD D. BOLTON, Tulsa, Okla. Filed June 19, 1926. Serial No. 117,094. 2 Claims. (Cl. 125—14.)



1. In a structure of the class described, a supporting structure, a cutting saw mounted thereon, spaced tracks disposed beneath said supporting structure, roller supported cars mounted on said track, one of said cars being fixed to the rails of its respective tracks, and the other car being movably supported on the rails of its respective tracks, and a stone supporting member pivotally connected at one end to the stationary car and movably mounted at its opposite ends on the movable car.

1,627,143. PLANTING MACHINE. FRANK BONCHINA, Cairnbrook, Pa. Filed July 30, 1926. Serial No. 126,032. 2 Claims. (Cl. 221—118.)



1. A planting machine comprising a frame having a relatively shallow seed hopper mounted thereon, a delivery spout arranged in advance of the seed hopper, means for intermittently delivering predetermined quantities of seeds from the seed hopper and dropping the same into the delivery spout, a seed box having a delivery end arranged to discharge into the seed hopper, and an ejector mechanism for intermittently ejecting predetermined quantities of seeds from the seed box into said hopper, said ejector mechanism comprising a longitudinally slidable ejector plate slidable upon the bottom of the seed box, yieldable means for normally retracting the ejector plate to an inoperative position, and cam mechanism for automatically intermittently sliding the ejector plate from inactive position to effect delivery of the quantity of seeds to the hopper.

1,627,144. PROCESS FOR THE PRODUCTION OF HYDROCYANIC ACID. GEORG BREDIG and EGON ELÖD, Karlsruhe, Germany, assignors to the Firm of Rudolph Koepp & Co., Oestrich-on-the-Rhine, Germany, a Society Organized under Laws of Germany. Original application filed Jan. 28, 1924, Serial No. 689,156. Divided and this application filed Nov. 21, 1924, Serial No. 751,375, and in Germany Dec. 7, 1922. 6 Claims. (Cl. 23—151.)

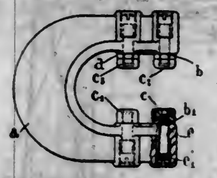
1. A process for the production of hydrocyanic acid, consisting in causing carbon monoxide and ammonia to react at high temperatures in the presence of oxides of metals of the 3rd, 4th, 5th and 6th groups, in the presence of more than 1 volume of hydrogen to 1 volume of ammonia.

1,627,145. GOLF-TEE HOLDER. RALPH STUART BREED, Lynn, Mass. Filed Nov. 19, 1926. Serial No. 149,374. 9 Claims. (Cl. 224—5.)



1. A holder for golf tees comprising front and rear walls connected at their lower edges only in spaced relation, and a yielding pad interposed between the two walls whereby the shanks of the golf tees may be inserted between one face of the pad and the adjacent wall and be frictionally retained therebetween by deforming the pad.

1,627,146. ADJUSTABLE LIMIT GAUGE. ARTHUR JOHN CHARLES BROOKES, Bridgnorth, England. Filed Oct. 15, 1925, Serial No. 62,625, and in Great Britain Jan. 1, 1925. 6 Claims. (Cl. 33—163.)

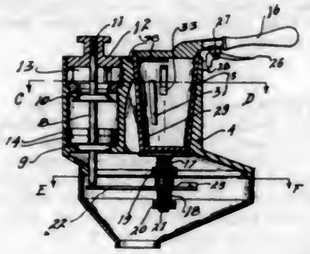


1. An adjustable limit gauge comprising a solid frame having parallel flat surfaces spaced a fixed basic distance apart, anvil-pieces of predetermined length in flat contact with said flat surfaces and right- and left-hand screw-threaded elements, one thread of which engages an anvil-piece while the other engages the solid frame.

1,627,147. COFFEE-URN ATTACHMENT TO AUTOMATICALLY MEASURE MORE THAN ONE SUBSTANCE SIMULTANEOUSLY TO DELIVER A COMBINED UNIFORM VOLUME. DOLPH M. CLARK, Portland, Oreg. Filed Mar. 9, 1926. Serial No. 93,455. 7 Claims. (Cl. 225—26.)

1. A coffee and cream dispenser, consisting of a valve frame, inlet and outlet ports connected to a source of

cream and liquid coffee, formed in said frame; valves combination, to permit one, or all of the liquids simultaneously seated within the frame and controlling the flow of said



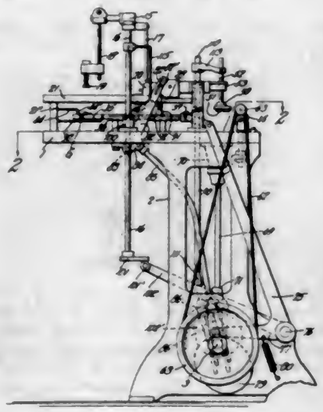
liquids from the inlet ports to the outlet ports; and a means for opening and closing said valves, singly and in tandem, to flow in measured amounts through said dispenser.

1,627,148. MARKING FUSED BIFOCAL LENSES FOR IDENTIFICATION. GEORGE A. CLEMENT, Mount Vernon, N. Y. Filed Aug. 13, 1925. Serial No. 50,085. 7 Claims. (Cl. 49—82.)



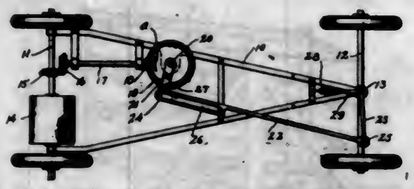
1. A fused bifocal lens or blank therefor having an identifying mark formed on the contact surface of one of the fused lens elements.

1,627,149. APPARATUS FOR LINING ENVELOPES. GEORGE E. P. COLLINS, Springfield, Mass., assignor to Birnie Paper Company, Springfield, Mass., a Corporation of Massachusetts. Filed July 21, 1926. Serial No. 124,017. 10 Claims. (Cl. 93—62.)



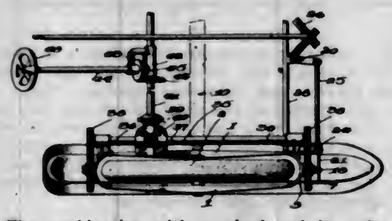
1. A machine of the class described comprising in combination, means for holding a supply of envelope blanks and liners in separate stacks, a daubing and blank gripping device for engaging with the uppermost blank of one stack, and independently movable devices for engaging opposite ends of said blanks for transporting said blanks over the other stack, the said devices being arranged to reverse said blank during its movement from one stack to the other.

1,627,150. TOY VEHICLE. RAYMOND DE FILIPPIS, Brooklyn, N. Y. Filed July 10, 1925. Serial No. 42,669. 2 Claims. (Cl. 46—48.)



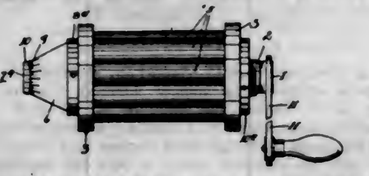
1. In a device of the class described, the combination with a frame having a plurality of wheels rotatably secured thereto, one of said wheels being mounted upon an axle which is movable to cause the device to travel circularly, means for propelling the device, a rotary member having engagement with a member that rotates when the device is made to travel along, whereby said member is caused to rotate, a link joining said axle and said rotary member to cause the axle to rotate about its vertical axis, and resilient means operative to return said axle to normal predetermined position, said link being provided with means for movably engaging said rotary member while the same is making one part of a rotation, and for fixedly engaging said member while the same is making another part of a rotation, said axle being returned to predetermined position by said resilient means while the rotary member has movable engagement with said means.

1,627,151. RETRACTABLE VEHICLE RUNNER. DANIEL DE WALD, Rawlins, Wyo. Filed Jan. 23, 1926. Serial No. 83,356. 5 Claims. (Cl. 280—10.)



1. The combination with a wheel and its axle, of a frame including a pair of side members of greater length than the diameter of the wheel and having aligned transverse openings for the reception of said axle, said side members being disposed at opposite sides of the wheel and said frame including end members connecting the ends of said side members, aligned journal members at the outer sides of the end members of said frame, and a runner having a pair of longitudinally spaced upstanding arms swingingly supported at their upper ends on said journal members.

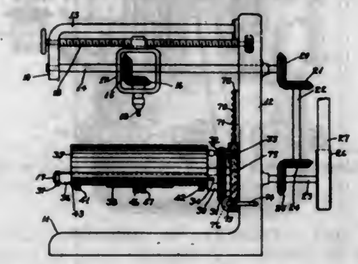
1,627,152. BURNISHING AND REFITTING TOOL FOR BEARINGS. CHARLES E. DE WITT, Dallas, Tex., assignor to V. H. Barwood Manufacturing Co., Lynn, Mass., a Corporation of Massachusetts. Filed Dec. 20, 1923. Serial No. 681,895. 4 Claims. (Cl. 29—90.)



1. A device for burnishing, refitting and gauging bearings of Babbitt or other soft metals, including a tapered mandrel having integral threaded end portions; a series

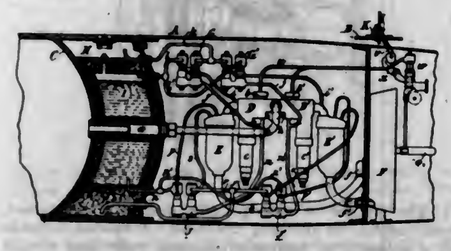
of elongated rollers spaced around the mandrel; centrally apertured circular plates having inwardly facing annular channels therein, disposed on either end of said mandrel and receiving the ends of the rollers in said channels; an elongated, expansible sleeve slidable over the tapered body of said mandrel; a nut disposed on the threaded portion of one end of the mandrel and having a flange thereon extending through the bore of one of said circular plates and impinging one end of said expansible sleeve, and means on one end of said mandrel for gauging the action of the rollers on the bearing.

1,627,153. DEVICE FOR USE WITH ROUTING MILLS. ERWIN G. DEYE, Newport, Ky., and HERMAN F. HAVERBUSCH, Cincinnati, Ohio. Filed May 6, 1924. Serial No. 711,489. 6 Claims. (Cl. 90—58.)



6. A table for holding arcuate electrotypes comprising a central support member, a plurality of bars extending in parallelism with one another and the axis of the support member, the bars being spaced equidistant from the center of the support member, means connecting the bars and the support member and movable along the support member for moving the bars in equidistant spaced relation toward and away from the support member axis and means attached to the bars for holding an arcuate electrotype upon the outer faces of selected bars.

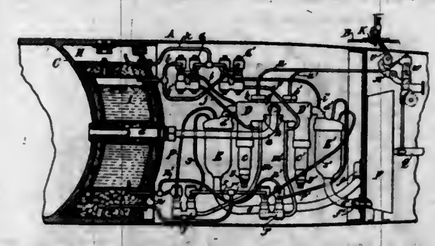
1,627,154. AUTOMOBILE TORPEDO. WILLIAM DIETER, Newark, N. J. Filed July 15, 1925. Serial No. 43,791. 9 Claims. (Cl. 60—40.)



1. In a torpedo having a compressed air flask and propelling mechanism, dual power generators each comprising a reducing valve, a heater, means for feeding fuel and water to the heater, and a discharge from the heater to the propelling motor, with controlling means for admitting compressed air to one or both reducing valves, and thereby to one or both heaters.

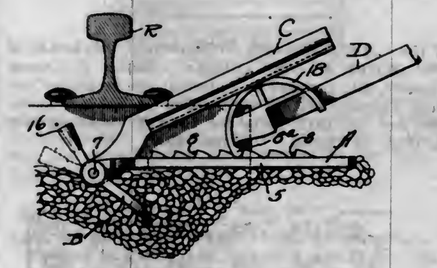
1,627,155. AUTOMOBILE TORPEDO. WILLIAM DIETER, Newark, N. J. Original application filed July 15, 1925, Serial No. 43,791. Divided and this application filed Sept. 14, 1926. Serial No. 135,495. 4 Claims. (Cl. 60—40.)

1. In a torpedo having a compressed air flask and propelling mechanism, dual power generators each comprising a reducing valve, a heater, means for feeding fuel and water to the heater, and a discharge from the heater



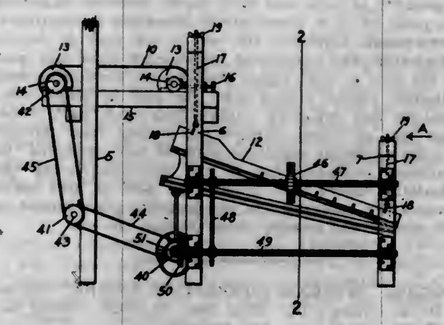
to the propelling motor, with controlling means adapted to admit compressed air to one of the power generators in advance of the other.

1,627,156. TRACK-LINING DEVICE. CLARKSON A. DIBBROW, New Rochelle, N. Y., and WILLIAM E. GADD, Philadelphia, Pa., assignors to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1925. Serial No. 2,914. 6 Claims. (Cl. 254—44.)



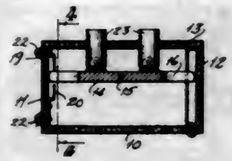
1. A track lining device including a base, and a ballast-engaging anchor pivotally connected to one end of said base, the outer end of said anchor extending beyond the pivot and forming a hand grip.

1,627,157. CONCENTRATOR. JAMES B. DODDS, Denver, Colo. Filed Dec. 29, 1925. Serial No. 78,183. 8 Claims. (Cl. 209—488.)



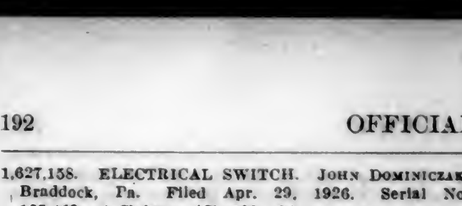
1. In a concentrator, a table having an impervious riffled flexible deck, and means for subjecting the deck to upwardly directed impulses by a fluid medium underneath the deck.

1,627,158. ELECTRICAL SWITCH. JOHN DOMINICZAK, Braddock, Pa. Filed Apr. 29, 1926. Serial No. 105,469. 4 Claims. (Cl. 200—6.)



1. In a switch of the kind described, a casing, an insulating block pivoted centrally of its length within said casing for tilting movement, a pair of knife switch blades each mounted on a respective side of the tilting block and projecting at both ends beyond the block, a pair of fixed contact rods at one end of the casing and positioned to be slightly engaged by the portions of the blades projecting from one end of the block throughout their full range of movement, a pair of upper fixed contacts and a second pair of lower fixed contacts in the paths of the remaining ends of said blades, terminal connecting posts for said fixed contacts, a single connecting post for each contact rod leading to a source of energy, and means to actuate the switch.

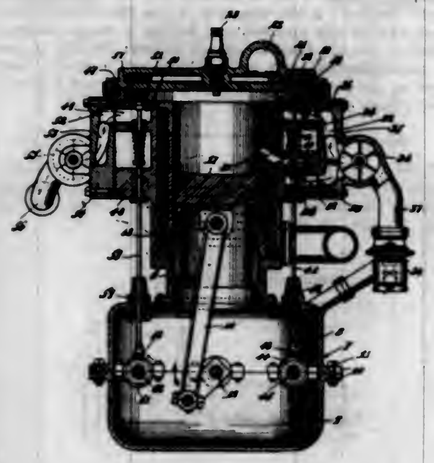
1,627,159. METHOD FOR TREATING PETROLEUM AND OTHER HYDROCARBONS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Nov. 30, 1917. Serial No. 204,526. Renewed July 16, 1923. 2 Claims. (Cl. 196—49.)



1. A process for converting petroleum into lower boiling point hydro-carbons consisting in collecting the oil in a plurality of pools and while under pressure subjecting the pools of oil to progressively increasing temperatures, continuously supplying the oil to the pool of lowest temperature and conducting the overflow from each pool to the pool of next higher temperature, condensing and collecting vapors arising from the pool of lowest temperature and removing vapors from each pool, other than that of lowest temperature, passing them through a reflux condenser associated with the pool, returning the condensed products back to the pool and forcing the remaining vapors back through the pool of next lower temperature, collecting the uncondensible gases formed in the process and passing them through the oil.

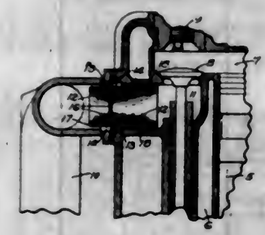
1,627,160. INTERNAL-COMBUSTION ENGINE. LIONEL DYCK, Chicago, Ill. Filed Dec. 29, 1925. Serial No. 78,081. 2 Claims. (Cl. 123—75.)

1. An internal combustion engine including a cylinder and a reciprocating piston therein; a pair of fuel inlet passages for the cylinder; one discharging thereinto at the point of highest compression; the other discharging thereinto at a point substantially between the mid-stroke of the piston and the terminal of the compression stroke thereof; a rotor arranged to force-feed the fuel through



said passages into the cylinder; and valves controlling the flow of fuel through said passages, substantially as described.

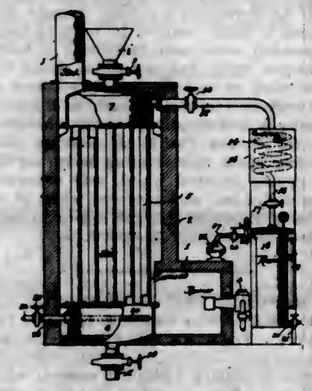
1,627,161. METHOD AND MEANS FOR HOMOGENIZING FLUID-FUEL MIXTURES. WILLIAM A. EDWARDS, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,500. 18 Claims. (Cl. 48—180.)



1. The method of homogenizing a fluid fuel mixture, which consists in dividing a stream of flowing mixture into a plurality of individual streams, redividing one of said streams while preventing collection of the liquid particles contained therein, and delivering certain of said streams into another of the streams at an angle to the direction of flow thereof, whereby to commingle all of said streams into a homogeneous mixture.

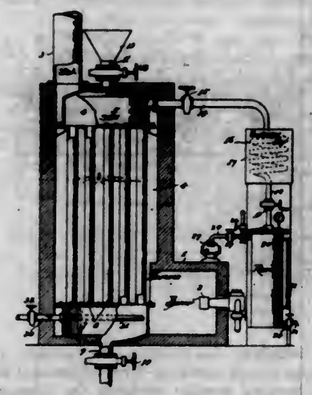
1,627,162. PROCESS FOR TREATING OIL SHALE. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Jan. 10, 1921, Serial No. 436,043. Renewed Feb. 4, 1927. 2 Claims. (Cl. 202—16.)

1. A process of treating oil shale, comprising introducing a supply of comminuted shale to an enlarged drum, in allowing the shale to pass from the drum into a plurality of vertically disposed tubes, in providing a drum beneath said tubes, in passing superheated steam internally through said tubes in physical contact with the shale, in externally heating the tubes to a temperature



sufficient to cause vaporization of volatiles therein, and in discharging the shale vapors for condensation and collection.

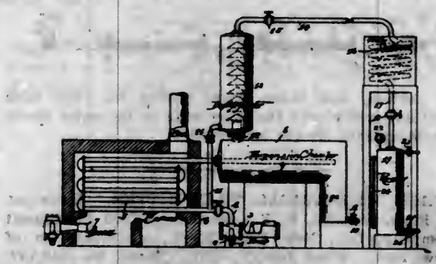
1,627,163. PROCESS OF TREATING OIL SHALE. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Jan. 10, 1921, Serial No. 436,044. Renewed Feb. 4, 1927. 2 Claims. (Cl. 202—16.)



1. A process of destructively distilling oil shale, consisting in subjecting the oil shale containing an aluminum content to the action of heat and pressure to destructively distill the same and separate the light oil constituents therefrom, and simultaneously passing chlorine gas through the hot oil shale, and countercurrent to the direction of movement of the oil shale.

1,627,164. APPARATUS FOR TREATING OILS. GUSTAV EGLOFF, Chicago, Ill., and WILLIAM R. HOWARD, Washington, D. C., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 8, 1921, Serial No. 475,862. Renewed Feb. 5, 1927. 4 Claims. (Cl. 196—107.)

4. In an oil distilling apparatus, an enlarged reaction chamber, a closed means for conveying heated oil substantially completely through the same, said means permitting the discharge of the heated oil into the chamber at a point remote from that at which said closed means enters the reaction chamber, said chamber being provided with a downwardly extending enlarged portion adjacent the point of discharge of the oil from said closed means into said reaction chamber, a vapor outlet



leading from the reaction chamber at a point remote from said enlarged portion and condensing means in communication with said vapor outlet.

1,627,165. BAR FOR FOUNDRY FLASKS. CLARENCE H. ESTES, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed May 18, 1925. Serial No. 30,968. 5 Claims. (Cl. 22—111.)



1. A bar for molders' flasks, consisting of a supporting member and lugs located at spaced intervals along the bottom margin of said member and inclined inwardly into the mold-forming space defined by the bar; said lugs enlarging downwardly.

1,627,166. BABY RATTLE. BEN J. FELDSTEIN, New York, N. Y. Filed Jan. 15, 1927. Serial No. 161,255. 6 Claims. (Cl. 46—40.)



1. The herein described head member for a toy, having in combination a pair of eyes comprising transparent eye chambers and loosely disposed pupils in said chambers, a tongue and ears slidably supported within said head and capable of projecting from and receding into the head through openings in the latter, when the inclination of the head is changed.

1,627,167. GASKET. PATRICK J. FITZGERALD, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed June 22, 1925. Serial No. 38,685. 7 Claims. (Cl. 288—1.)

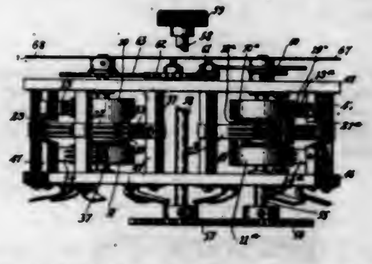
1. A gasket comprising a body portion having an aperture therethrough, a bushing comprising an inner sleeve adapted to be inserted in said aperture, said sleeve having a flange lying against one face of the body portion, said

sleeve projecting beyond the other face of said body portion, an outer sleeve fitting on said inner sleeve and having a flange adapted to engage the opposite face of the



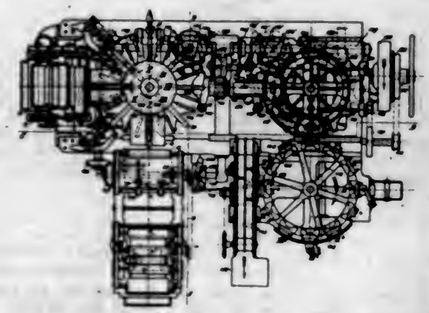
body portion, said inner sleeve having its outer edge turned outwardly over the outer edge of the outer sleeve for holding said sleeves assembled.

1,627,168. ELECTRICAL TRANSMITTER. HANNIBAL C. FORD, Jamaica, N. Y., assignor to Ford Instrument Company, Inc., New York, N. Y., a Corporation of New York. Filed July 3, 1918. Serial No. 243,147. 13 Claims. (Cl. 177—337.)



1. In an electrical step-by-step transmission, a receiver motor having at least five field coils, said field coils being star connected, an electrical step-by-step transmitter comprising a pair of insulated rotary contact segments, means for connecting said segments to a source of electrical current, a brush connected to each of said field coils, said segments being of a length and said brushes being arranged so that at least one brush is in engagement with each contact segment in each position of the transmitter and two brushes in alternate positions, whereby the circuits through two and then three of the field coils, are closed in successive positions of the transmitter.

1,627,169. MACHINE FOR MANUFACTURING, FILLING, AND CLOSING PACKAGES. PAUL GANGLER, Esslingen, Germany, assignor to the Firm Fr. Hesser, Maschinenfabrik - Aktiengesellschaft, Stuttgart - Cannstatt, Germany. Filed Aug. 31, 1926, Serial No. 132,699, and in Germany Sept. 17, 1925. 13 Claims. (Cl. 93—3.)

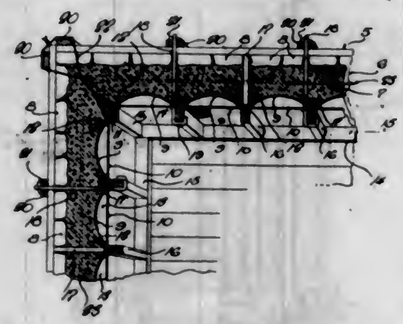


1. In a machine for manufacturing, filling and closing packages consisting of an inner and an outer wrapper, in combination, a reel for paper web for the inner wrapper, a device for notching and severing the sheets for the inner wrapper off said web, a pile of sheets for the outer wrapper, a horizontally rotating folding mandrel wheel and means adapted to withdraw the sheets for the inner wrapper from said severing device and the sheets for the outer wrapper from said pile and to form the package consisting of an inner and an outer wrapper upon said mandrel wheel, a device adapted to work in conjunction with said mandrel wheel and comprising a horizontally rotating conveyor wheel and means for filling the packages manufactured on said mandrel wheel, and a device adapted to work in conjunction with said filling device and comprising a horizontally revolving conveyor wheel and means for closing the filled packages discharged from said filling wheel, said severing device for the inner sheet, said folding mandrel wheel, said conveyor wheel of the filling device and said conveyor wheel of the closing device being arranged at right angles to each other so as to form substantially a square.

1,627,170. MANUFACTURE OF HYDRAULIC CEMENT AND THE LIKE. OSCAR GERLACH, La Salle, Ill. Filed Oct. 9, 1924. Serial No. 742,618. 6 Claims. (Cl. 106—25.)

6. A process of making hydraulic cement, which comprises burning a mixture of calcium carbonate, zinc retort ashes and carbon at a temperature of approximately 950 to 1000° C., whereby the zinc is volatilised and then burned to zinc oxide and deposited as such on the lime, and crushing the burned product, which contains lime impregnated and coated with zinc oxide.

1,627,171. FORM FOR BUILDING CONSTRUCTION. PROSPER L. GOTTSCHALK, Wauwatosa, Wis. Filed Aug. 3, 1925. Serial No. 47,877. 11 Claims. (Cl. 25—131.)



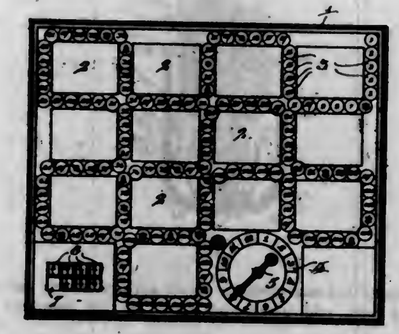
1. In a building construction, an outside retaining form, a fibrous inside retaining form of channel shape, an inside wall forming member bridging the channel of the inside form, and means whereby the inside wall forming member becomes anchored to the wall proper poured in the space between the outside and inside retaining forms.

1,627,172. CLAMP. RENÉ GOUIRAND and AUGUSTE PACHE, New York, N. Y.; Julia Pache administratrix of said Auguste Pache, deceased. Filed Mar. 6, 1923. Serial No. 13,494. 1 Claim. (Cl. 24—19.)



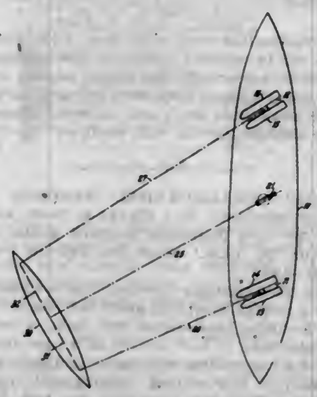
A clamp embodying a yoke having spaced apart, alined, circular perforations, one of which has a serrated circumference, a pin extending through said perforations and longitudinally slotted between the perforations, said pin being provided with a serrated frusto conical boss normally spaced with respect to and disengaged from the serrated perforation, a band, one end of which is secured to the yoke and the other end of which is passed through the slot in the pin, whereby rotation of the pin will cause the band to be wound on the pin, said pin being thereafter shiftable longitudinally to engage the serrated boss with the serrated perforation to lock the pin against inadvertent unwinding.

1,627,173. TOY GAME BOARD. IGNATIUS HAAZ, deceased, Philadelphia, Pa., by Carrie Haaz, administratrix, Philadelphia, Pa. Filed Jan. 22, 1926. Serial No. 83,010. 2 Claims. (Cl. 273—134.)



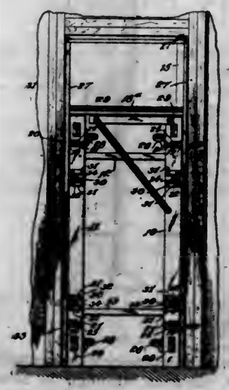
1. A game board having a series of symmetrically arranged spaces adapted to contain educational reading matter, a plurality of identical shaped enclosures surrounding said spaces, each enclosure containing one of a plurality of symbols or numbers, said enclosures comprising a path having section intersecting at corners over which a score indicator may be progressively moved, each of said symbols representing a number and indicating a play to be made upon said indicator halting in the enclosure containing the symbol, said path sections being so disposed that a person may be caused to play out of the course and be obliged to read the matter in the spaces.

1,627,174. SALVO FIRING. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Aug. 22, 1922, Serial No. 583,604. Renewed Oct. 21, 1926. 17 Claims. (Cl. 89—41.)



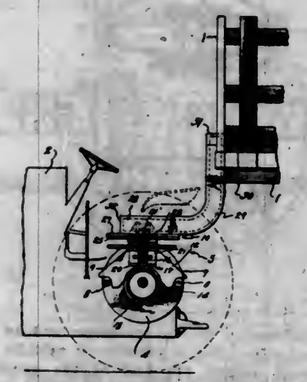
6. A system of salvo firing comprising sighting means, a plurality of weapons, members synchronized with said sighting means and weapons, and means cooperating with said members for modifying their setting in accordance with a desired dispersion and the range of the hostile object.

1,627,175. LEVELING DEVICE. JOHN C. HANSEN, Jr., Newark, N. J. Filed Nov. 28, 1925. Serial No. 71,916. 2 Claims. (Cl. 33—194.)



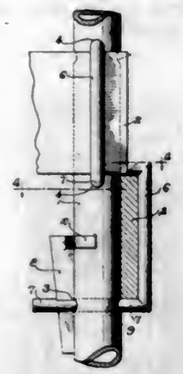
2. A leveling device comprising a pair of plumb rules, means for holding the rules in parallel relation, clamps for holding the side jambs of a door frame parallel with the outside edges of the rules, slides on the rules, and squares insertible into the slides and when so positioned engaging the jambs for alignment perpendicularly relative to the plane of the rules.

1,627,176. FIFTH-WHEEL ASSEMBLY. GEORGE C. HENDERSON, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a Corporation of Michigan. Filed Aug. 25, 1924. Serial No. 734,088. 10 Claims. (Cl. 280—33.1.)



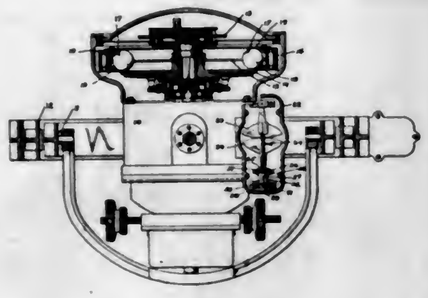
1. The combination with a tractor having a sectional rear axle housing and a differential housing between the sections of the axle housing, of a rocker straddling the differential housing of the tractor, pins projecting from the sections of the rear axle housing in a plane substantially parallel with the major portions thereof for supporting the said rocker, and a pivot for a trailer mounted on the rocker.

1,627,177. CLAMP FOR SCAFFOLDING OR THE LIKE. KNUD HENNINGSEN, Chicago, Ill. Filed Dec. 4, 1924. Serial No. 753,894. 1 Claim. (Cl. 304—40.)



A scaffolding clamp comprising a device having a slotted arm adapted for insertion through a member of the scaffolding, a wedge extending through said slotted arm and having oppositely and forwardly extending wings adapted for embracing said member for preventing a rotational turning movement of said arm and means extending from said arm for supporting another member of the scaffolding.

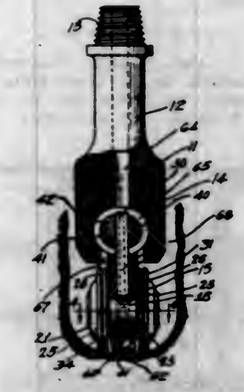
1,627,178. CONTROL OF GYROSCOPE-ERECTING SYSTEMS. FERDINAND GEORGE HENRY, New York, N. Y., assignor to Fairchild Aerial Camera Corporation, a Corporation of New York. Filed July 27, 1925. Serial No. 46,371. 14 Claims. (Cl. 74—78.)



1. The combination with a gyroscope, and an erecting system therefor including a plurality of radially movable balls revolving around the axis of the gyroscope, of means for holding the balls against radial movement when the system is subjected to acceleration at an angle to the gyroscopic axis.

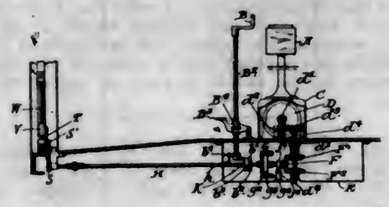
1,627,179. CENTRAL-SHANK-REAMING DISK BIT. FREDERIC W. HILD, Los Angeles, Calif. Filed Nov. 8, 1924. Serial No. 748,565. 8 Claims. (Cl. 255—73.)

1. A disk bit comprising: a body having a central portion and a depending leg; lower bearing members carried by said depending leg; boring disks rotatably supported on said lower bearing members; upper bearing members carried by said central portion; reaming disks carried by



said upper bearing members; and unitary means for retaining both said lower and upper bearing members in place.

1,627,180. MOTOR SYSTEM FOR CAR DOORS. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 10, 1919. Serial No. 276,186. 30 Claims. (Cl. 268—49.)

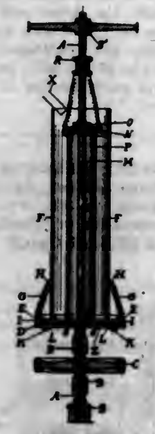


1. The combination with a car door, of an electric motor on the car in constant operation, speed-reducing gearing, a reversible door-operating shaft, manual connecting means for engaging said shaft with said gearing for either opening or closing the door, and automatic disconnecting means for disengaging the said shaft at the end of the door run.

1,627,181. AMALGAMATOR. NATHANIEL SHEPARD KEITH, Philadelphia, Pa.; Claude L. Roth, administrator of the said Nathaniel Shepard Keith, deceased. Filed Apr. 21, 1924. Serial No. 707,810. 4 Claims. (Cl. 209—180.)

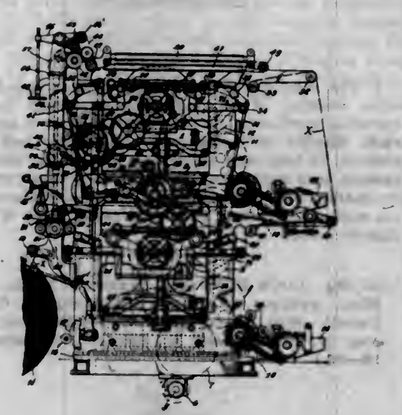
1. In an amalgamating machine, the combination consisting of a rotatable, vertical shaft carrying concentrically a disc having a boss around said shaft; a hollow, vertical cylinder held to said disc by said boss and by compression of a cap holding the top of said cylinder rigidly to said shaft; a tube of lead covering said cylinder, but insulated therefrom and from said disc and cap; encircling said tube, an annular cup bolted to said disc but elevated therefrom by adjustable washers; a removable vertical cylinder with an inner surface of copper and a serrated bottom resting in said cup and guyed to said disc and an insulated ring near the top of said shaft con-

nected by conducting wire with said tube of lead and means for rotating said parts as a unit and supplying pulp containing mercury to the annular space between



said cylinders and passing an electrical current to said ring and taking it up from said outer cylinder when said pulp is passing through the machine.

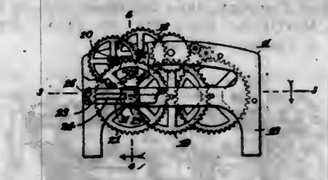
1,627,182. PRINTING MACHINE. CARL A. KELLOGG, Brooklyn, N. Y. Filed Apr. 11, 1922. Serial No. 551,526. 35 Claims. (Cl. 270—1.)



1. A printing press embodying four printing couples, each of which comprises a flat form bed and an impression platen, said couples being arranged in tiers, positioned end to end and means for actuating the several couples in predetermined timed sequence.

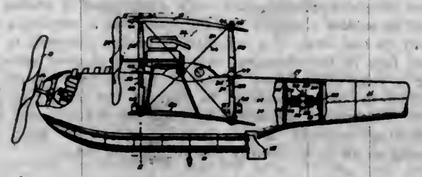
1,627,183. RESETTING DEVICE FOR GAS METERS. ERNEST A. KERSTEIN, Brooklyn, N. Y., assignor to American Meter Company, Incorporated, New York, N. Y., a Corporation of Delaware. Filed Apr. 25, 1925. Serial No. 25,936. 1 Claim. (Cl. 235—144.)

A resetting device comprising a part capable of being pivotally mounted, said part having a flexible member and a finger-piece and being cut away; and a retainer with respect to which said part is movable, said retainer hav-



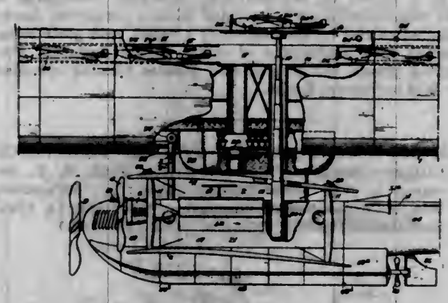
ing abutments with which the extremity of said flexible member is adapted to coact to prevent the movement of said part with respect to said retainer.

1,627,184. SECTIONAL FLYING BOAT. HENRY E. KRAMMER, New York, N. Y. Filed July 6, 1918. Serial No. 243,564. 39 Claims. (Cl. 244—2.)



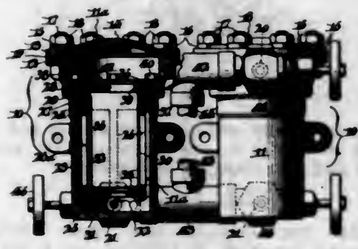
1. A vehicle constituting a combined aeroplane and a marine element including a fuselage formed of separable sections and provided with a propelling mechanism and a supporting wing structure formed of separable sections, one of which is provided with a propelling mechanism, means including a control actuated from the fuselage section provided with the propelling mechanism for discharging in order, wing sections other than the one provided with the propelling mechanism, the section provided with said mechanism and a fuselage section other than the one provided with the control.

1,627,185. AIRCRAFT. HENRY E. KRAMMER, New York, N. Y. Filed Jan. 10, 1921. Serial No. 436,239. 58 Claims. (Cl. 244—2.)



9. In a composite aircraft comprising a dirigible unit and an airplane unit, a disengageably secured superposed relation, said dirigible having means for the alighting thereon of an independent aircraft, in combination, means seated in said airplane unit and extensible through said dirigible unit for vertically moving said independent aircraft relatively to said dirigible unit, and also auxiliary means, seated in said dirigible unit, and extensible therethrough for similarly moving said independent aircraft.

1,627,186. FLUID-STRAINING APPARATUS. JAMES D. LALOR, Baltimore, Md., assignor to The Lalor Fuel Oil System Company, Inc., Baltimore, Md., a Corporation of Maryland. Filed Feb. 18, 1925. Serial No. 10,047. 5 Claims. (Cl. 210—168.)



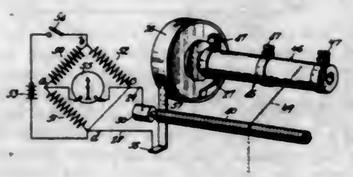
1. A fluid straining apparatus characterized by component interchangeable units each comprising a casing affording a flow chamber for the fluid, and a straining element in the form of a foraminous basket disposed in the fluid flow in the chamber, said straining element embodying a removable inner lining of textile fabric with its bottom in spaced relation to that of the basket to prevent clogging of the latter by collected matter, and said straining element having screw connection with the casing so as to be readily removable therefrom.

1,627,187. COOKING UTENSIL. HJALMAR R. LARSEN, Newark, N. J. Filed Apr. 14, 1925. Serial No. 22,942. 2 Claims. (Cl. 53—1.)



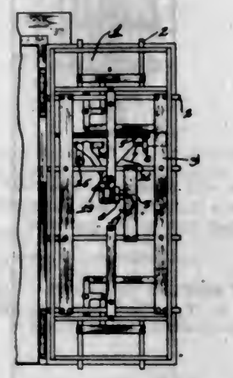
1. A device of the character described comprising a flat imperforated plate provided with a peripheral flange adapted to rest on the bottom of a vessel, said plate being formed with a plurality of radial curved upwardly projecting groves, the ends of said grooves forming openings in said peripheral flange.

1,627,188. MACHINE FOR WINDING RESISTANCE COILS. EDWIN N. LIGHTFOOT, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 14, 1920. Serial No. 373,867. 4 Claims. (Cl. 175—183.)



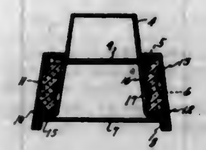
1. A machine for winding resistance coils having in combination adjustable means for supporting different sized spools upon which a plurality of series connected coils of resistance wire are to be wound, a plurality of terminals associated with the spool to which the wire may be connected sequentially, means for winding the wire upon the spool, a screw-threaded member arranged to rotate at a definite rate of speed with respect to said spool to guide the wire onto the latter and having electrical contact with the wire as it is wound upon the spool, and a detecting instrument for continuously measuring sequentially the resistance of the wire between the respective terminals and said guide member as the wire is being wound upon the spool.

1,627,189. AUTOMATIC RELEASING MECHANISM FOR LOCKS. ALFRED J. MACY, Chicago, Ill., assignor, by mesne assignments, to The Pro-Tex Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 29, 1922. Serial No. 547,616. 7 Claims. (Cl. 109—3.)



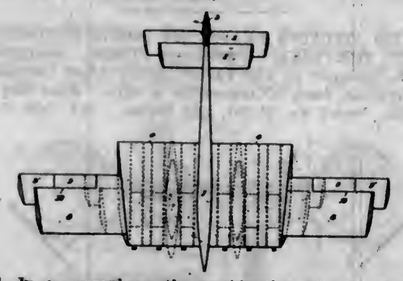
1. The combination with vault doors, including the locks therefor, of an additional emergency lock, and operating mechanism therefor, consisting of a supporting plate adapted to fasten over the regular lock, means adapted to hold said emergency lock in an inoperative position, and means connected with said supporting plate for cutting said first mentioned means and thereby locking said auxiliary lock when said regular lock is forcibly tampered with.

1,627,190. DOOR BUMPER. HERMAN C. MAISH, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 27, 1923. Serial No. 659,670. 7 Claims. (Cl. 16—86.)



1. In a door bumper, the combination with a holder having a groove open at one end, of a cushion member slidably engageable with the holder through the open end thereof, said cushion member having a recess therein, and a member carried by the holder adapted to spring into engagement with the recess to retain the cushion member in the holder.

1,627,191. AEROPLANE-WING STRUCTURE. JAMES V. MARTIN, Garden City, N. Y. Original application filed Mar. 5, 1921, Serial No. 450,034. Divided and this application filed Aug. 14, 1922. Serial No. 581,702. 22 Claims. (Cl. 244—12.)



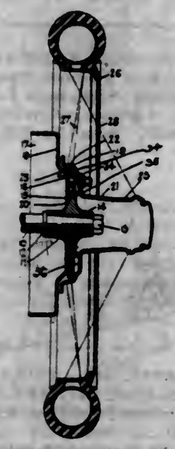
1. In an aeroplane, the combination of two relatively telescopic wings, an aileron on one of said wings, said aileron being divided into two independently operable sections the innermost aileron being retractable within a wing section.

1,627,192. DRIVE FOR AMUSEMENT RIDES. HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del., a Corporation of Delaware. Filed July 18, 1925. Serial No. 44,589. 2 Claims. (Cl. 272—44.)



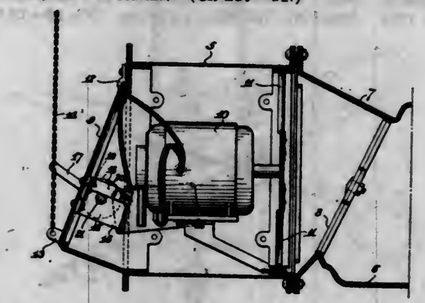
1. An amusement ride comprising the combination of a central pivot, a plurality of radial sweeps designed to rotate about the pivot, wheels on the sweeps, a circular trackway upon which the wheels run, links between the sweeps and pivotally connected thereto, a driving motor carried by a sweep but loosely connected thereto and a rigid connection between the motor and a link.

1,627,193. AUTOMOBILE WHEEL STRUCTURE. EMIL A. NELSON, Abington, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 29, 1925. Serial No. 5,418. 5 Claims. (Cl. 301—19.)



1. In a vehicle wheel, the combination of an inner hub, an outer hub, radially-spaced inter-hub seating surfaces arranged in zones displaced axially from each other, and means for securing said hubs together engaging said outer hub in the zone between said inter-hub seating surfaces.

1,627,194. DRAFT CONTROL. CLIFFORD M. NORBERG, Maspeth, N. Y. Filed July 17, 1926. Serial No. 123,104. 6 Claims. (Cl. 230—11.)

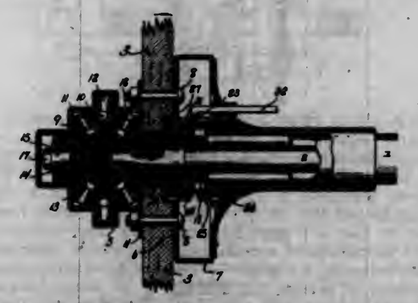


6. The combination of a casing, an electrically driven blower therein, a damper operating by gravity normally closing the inlet to the casing, a gravity actuated circuit controlling switch pivotally connected to the damper, manually operated means for adjusting the pivotal relationship between the damper and switch, and recess and detent means for maintaining said adjustment.

1,627,195. METHOD OF OBTAINING COLORED POLYMERIZED STYROL AND ITS HOMOLOGUES AND PRODUCTS OBTAINED THEREBY. IWAN OSTROMISLENSKY, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Jan. 29, 1925. Serial No. 5,457. 15 Claims. (Cl. 260—2.)

1. A process for producing colored polymerised styrols which comprises forming styrol solutions of coloring material soluble in styrols and in their polymers and polymerizing the solution to form polymerized styrols.

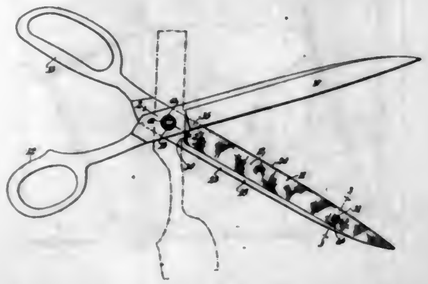
1,627,196. TRANSMISSION MECHANISM. JOHN E. OVREN, Stoughton, Wis., assignor of one-half to Benjamin J. Logan, Stoughton, Wis. Filed July 6, 1925. Serial No. 41,760. 2 Claims. (Cl. 74—7.)



1. The combination of a rotary shaft, a stationary housing surrounding said shaft, a wheel mounted coaxially with said shaft and beyond said housing, a casing rigidly bolted to said wheel, a sleeve keyed to said shaft and projecting therefrom, a spider revolubly mounted upon said sleeve and having projecting pins anchored in said casing and having intermediate bearing portions, a plurality of bevel pinions carried upon said bearing portions, a bevel gear keyed to the outer end of said sleeve and

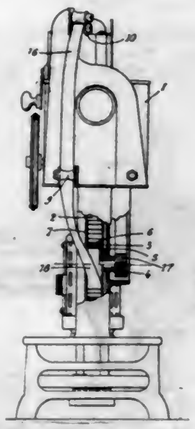
meshing with said bevel pinions, a second bevel gear revolubly mounted upon said sleeve and meshing with said bevel pinions, and means for locking said second bevel gear either to said wheel or to said stationary housing.

1,627,197. SCISSORS OR SHEARS WITH COMPOSITE BLADE. ISAAC PATRICK, Jamaica, N. Y. Filed Oct. 10, 1924. Serial No. 742,829. 7 Claims. (Cl. 30—13.)



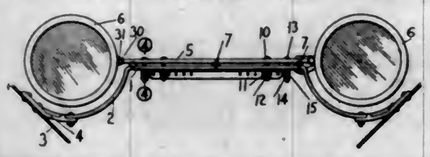
1. Scissors or shears having a composite blade comprising a cutting part and a supporting part, means for fastening said parts together, said supporting part having a longitudinal recess on its inner face into which said cutting part is adapted to fit, said recess having a shoulder at its lower side for supporting said cutting part opposite its cutting edge, said fastening means comprising a tongue and slot connection between said supporting part and said cutting part of the blade at a part not entirely uncovered by the blades when opened in the act of cutting.

1,627,198. FILM WINDING AND UNWINDING DEVICE FOR MOTION PICTURE APPARATUS. EMILE CHRISTIAN PÉNIN, Joinville-le-Pont, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Apr. 22, 1924, Serial No. 708,109, and in France Jan. 15, 1924. 4 Claims. (Cl. 88—18.7.)



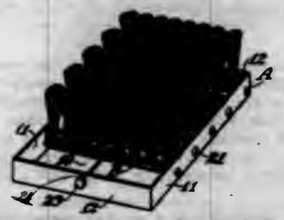
1. In a motion picture apparatus, a storage chamber situated below the feeding mechanism, a substantially horizontal core rotatably mounted within said chamber, means for rotating said core, a ring loosely supported on said core and adapted to be driven by said core by the mere action of gravity, and means for feeding the film into said chamber between the two transversal planes containing the side faces of said ring and parallelly to the axis of the core, whereby the film by engaging the outer surface of the ring is drawn forward within said chamber and spirally turned round said ring.

1,627,199. TILTING HEADLIGHT FOR AUTOMOBILES AND THE LIKE. FERDINAND PFEIFER, Springfield, Ohio, assignor to The Taylor Tilting Light Company, Marysville, Ohio, a Corporation of Ohio. Filed May 2, 1925. Serial No. 27,894. 13 Claims. (Cl. 240—61.)



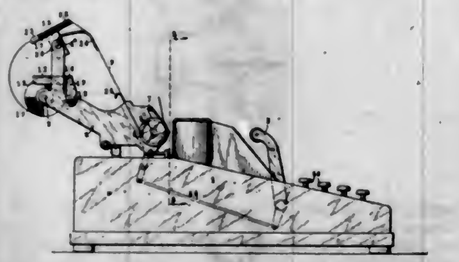
1. In a device of the character described, a transverse frame member adapted to be mounted on an automobile, an elongated lamp supporting member extending lengthwise of said frame member and pivotally mounted thereon for movement about a longitudinal axis, actuating means for said lamp supporting member comprising a part rigidly connected to said lamp supporting member and a device rotatable about an axis extending transversely to the axis of said lamp supporting member and arranged to act on said part.

1,627,200. FOLDING BRUSH. LEO HENRY PICKAR, North Freedom, Wis. Filed Nov. 24, 1926. Serial No. 150,446. 1 Claim. (Cl. 15—203.)



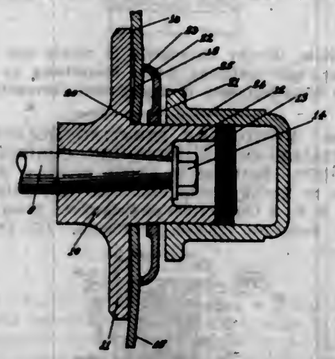
In a device of the kind described, including a frame and bristle holders rotatably journaled therein in a common plane, the said frame and holders having aligned locking pin apertures, a locking pin adapted to removably engage the said apertures.

1,627,201. FEEDING DEVICE FOR COMPUTING MACHINES. WILLIAM A. PRINGLE, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario. Filed Mar. 14, 1923. Serial No. 625,051. 17 Claims. (Cl. 270—41.)



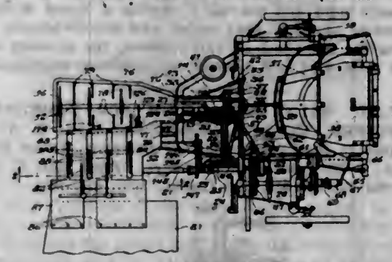
1. A device of the character described, comprising in combination, a roll platen, a support for a paper strip adapted to support a strip with its elements parallel to the elements of the platen, means for feeding said strip over said platen, and means between said strip and said platen for folding a portion of the strip in manifolding relation to another portion.

1,627,202. WHEEL. EARL J. W. RAGSDALE, Norristown, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 4, 1923. Serial No. 636,537. 6 Claims. (Cl. 301—9.)



1. A demountable wheel construction comprising a hub having a clamping flange, a demountable wheel disc adapted to carry a rim and tire and having a central opening through which the body of the hub extends, the portion of said disc adjacent the central opening contacting with said clamping flange, a clamping ring having a yielding periphery mounted on the body of the hub in clamping engagement with the central portion of said disc in two spaced annular zones of contact only, one near the base of said flange and the other near the periphery thereof, and a hub cap screwed on the body of said hub and engaging the clamping ring to maintain it in clamping engagement.

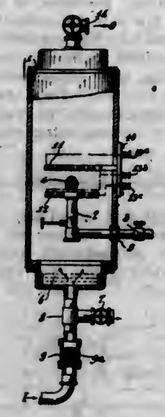
1,627,203. GRAIN SHOCKER. CLEMMA R. RANEY, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 11, 1920. Serial No. 423,226. 40 Claims. (Cl. 56—407.)



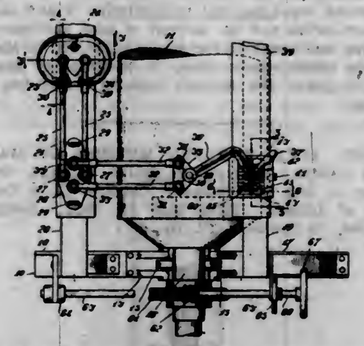
1. In combination, a binder, including a sheaf discharging member, a retarding mechanism cooperating with said discharge member, an upwardly and rearwardly swinging sheaf delivery member for carrying away sheaves discharged by said member, and means for controlling the actuation of said retarding mechanism by said sheaf delivery member.

1,627,204. APPARATUS FOR INDICATING THE PRESENCE AND THE CONCENTRATION OF GASES AND VAPORS IN ATMOSPHERE. SAMUEL RUBEN, New York, N. Y. Filed Nov. 23, 1921. Serial No. 517,416. 10 Claims. (Cl. 73—51.)

1. In a system for indicating the presence and the concentration of gases and vapors, the combination of a chamber, a source of combustion within said chamber, means for supplying to said source a supporting atmosphere, and means for passing therewith gases and vapors, and means for supplying to said source a constant source of energy; a heat responsive element, so located as to be responsive to temperature variations of said source, and means controlled by said element, for indicating, externally to said chamber, the temperature variations of said source.



1,627,205. ENGRAVING METHOD AND APPARATUS. CHARLES R. SEABORNE, Appleton, Wis., assignor to American Lakes Paper Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 6, 1924. Serial No. 742,081. 10 Claims. (Cl. 33—22.)

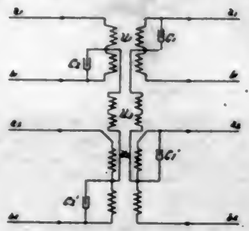


1. In an apparatus for engraving a design on the cylindrical surface of a marking roll, a main frame having supporting means for the roll, a pantographic engraving device having a suitable supporting base, a tool and a tracer, a pattern corresponding to a relatively small segment of the cylindrical surface of the roll and adapted to cooperate with said tracer to guide the tool of the pantographic device to limited extents longitudinally and circumferentially of the roll to engrave a corresponding segmental section of its surface, and means for holding the roll and said supporting base and pattern against movement during the engraving operations, said means permitting relative, axial and circumferential adjustments of the roll and said base and pattern to bring different longitudinal and circumferential segmental sections of the roll surface into the field of operation of the tool.

9. The method of engraving a design upon the cylindrical surface of a marking roll that consists in preparing a pattern corresponding in area to a relatively small

segmental section of the area of the cylindrical surface of the roll, mounting said pattern for adjustment longitudinally of the roll to different fixed positions, mounting a pantographic engraving device for adjustment to correspond to the different positions of adjustment of the pattern, mounting the roll for rotatable adjustment to bring different circumferential segmental sections thereof into cooperative relation with the pantographic device and pattern, effecting such adjustments, and, while the roll is held stationary, employing the pattern in each of said different adjustments to guide the engraving device to engrave a corresponding segmental section of the surface of the roll.

1,627,206. TELEPHONE SYSTEM. WERNER SEITZFAND, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed June 26, 1926, Serial No. 118,646, and in Germany July 6, 1925. 1 Claim. (Cl. 179—173.)



The process of constructing a repeating coil having two windings which are each symmetrical to a center tap, which consists in equalizing the windings during construction so far as the absolute values of resistance and inductance are concerned, but without special regard to phase differences due to capacity unbalance, in testing the finished repeating coil to determine if any capacity unbalance exists and the amount of such unbalance, and in adding condensers of the proper value and in shunt of the coils which require them, as indicated by the test, so as to make the finished repeater completely symmetrical.

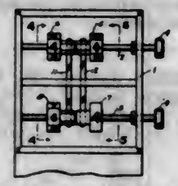
1,627,207. LOCK NUT AND METHOD OF MAKING THE SAME. WILLIAM E. SHARP, Chicago, Ill., assignor to Grip Nut Company, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1922. Serial No. 560,994. 3 Claims. (Cl. 10—86.)



1. The process of manufacturing a lock nut, consisting in taking a nut blank provided with an elevated ridge on one face and a depression on the other face, the width of the depression being slightly greater than the width of the ridge, screw-threading the blank, and placing the nut with its recessed face upon a suitable anvil and applying pressure to the ridge to cause the threads in alignment with the ridge and depression to be slightly distorted out of their normal form.

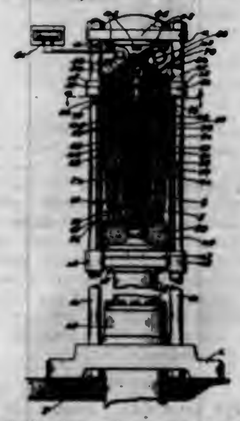
1,627,208. REMINDER FOR CARD PLAYERS. WALTER L. SLATTON, Toledo, Ohio. Filed July 29, 1926. Serial No. 125,661. 6 Claims. (Cl. 40—68.)

1. An indicating device for card players comprising a mounting, a rotatable stem, a pair of blocks on said stem, yieldable means for holding said blocks against movement and means for clutching said blocks to said stem alternately in accordance with the direction of rotation



of the stem, thereby alternately to rotate one block or the other, said clutching means comprising an element for each block normally in engagement therewith.

1,627,209. METHOD OF TREATING MOLDINGS OF PARTIALLY-CURED PHENOLIC CONDENSATION PRODUCT. FRANKLIN S. SMITH, Brooklyn, N. Y., assignor to The Products Protection Corporation, New York, N. Y., a Corporation of Delaware. Filed July 29, 1924. Serial No. 728,985. 19 Claims. (Cl. 18—55.)



1. The method of treating moldings of phenolic condensation product which comprises partially curing the same in a mechanical mold, removing said molding from the said mold and placing it within a liquid dielectric of greater viscosity than water and simultaneously subjecting the same to heat and pressure, the pressure causing a portion of said dielectric to penetrate said molding.

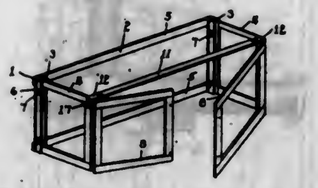
1,627,210. VALVE MECHANISM FOR COMBUSTION ENGINES. ELMER A. SPERRY, Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del., a Corporation of Delaware. Filed Mar. 3, 1921. Serial No. 449,412. 29 Claims. (Cl. 60—15.)



1. In a combustion engine having a working cylinder, a valve adjacent thereto for controlling communication therewith, a balancing piston and cylinder for said valve,

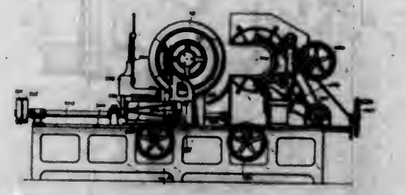
means for passing gases from said working cylinder to the said balancing cylinder, and means for absorbing heat from the gases passing through said first named means by the gases passing to the working cylinder.

1,627,211. BASE FRAME FOR PRIMARY EDUCATIONAL WORK AND PLAY. ANNE H. STEWART, Cleveland, Ohio. Filed Jan. 5, 1925. Serial No. 656. 4 Claims. (Cl. 40—125.)



1. An educational device including a frame having a rear, ends extending outwardly at an angle to the rear and connected thereto, wings hinged to the ends, a tie rod, and means carried by the tie rod for engagement with said ends of the frame, said means being formed so as to engage the ends and hold the tie rod in one position of the rod to permit hinging movement of the wings and in a second position of the rod to engage the wings and hold the latter in a predetermined position.

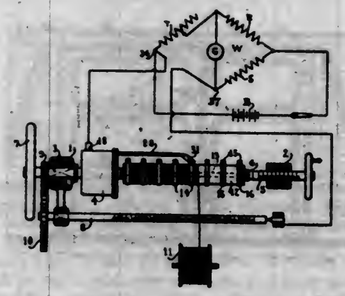
1,627,212. APPARATUS FOR BUILDING TIRE CASINGS. FRANK H. STEWART, Philadelphia, Pa., assignor to Louis B. Eppstein, Jerome Wilsin, and J. B. Gordatowski, New York, N. Y., syndicate managers of The Cum-Art Syndicate, New York, N. Y. Filed June 10, 1924. Serial No. 719,101. 38 Claims. (Cl. 154—11.)



1. In a machine of the character described, in combination, a mandrel means for moving a continuous cord length to and fro across the mandrel, movable means for engaging the cord at a point inwardly of its extreme traverse whereby upon the return movement of the cord laying means a loop will be formed at the point of engagement of the cord by the engaging means and means for moving said engaging means toward the mandrel whereby the loop end of the cord will be similarly moved and means for pressing said loop end into contact with the mandrel.

1,627,213. WINDING MACHINE. DAVID STONE, New Rochelle, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 25, 1922. Serial No. 546,922. 9 Claims. (Cl. 175—183.)

1. The combination with a winding machine for resistance units comprising a continuous wire forming a plurality of series connected resistance sections, of a resistance determining device, and means comprising an adjustable conductor terminal whereby different portions

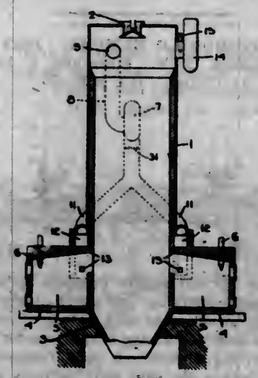


of the resistance wound by said machine may be successively and separately included in circuit with said device during the winding operation.

1,627,214. ART OF MURAL DECORATION. ROBERT M. SUTPHEN, Newark, N. J., assignor to John Francis Booraem, Greenwich, Conn. Filed Nov. 2, 1926. Serial No. 145,918. 4 Claims. (Cl. 41—38.)

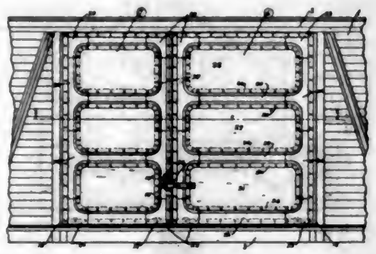
1. The method of decoration which consists in superimposing a plurality of different color mediums upon a plaster base and producing a preconceived artistic effect by selectively removing different parts of the superimposed mediums to render the underlying color mediums visible, and then applying appropriate color media to the exposed portions of said superimposed mediums to modify the colors of the latter.

1,627,215. LIMEKILN AND METHOD OF BURNING LIME. ARTHUR E. TRUESDELL, Pittsfield, Mass., assignor of one-half to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 23, 1923. Serial No. 633,819. 8 Claims. (Cl. 222—3.)



1. In a lime kiln, a combination with the vertical kiln, of a furnace arranged to burn fuel under conditions to produce products of combustion at a temperature in excess of that required for the efficient burning of limestone and to deliver such products of combustion to the kiln, and means to withdraw waste gases from the kiln and introduce them into the furnace between the point where the combustion takes place and where the products of combustion are delivered to the kiln.

1,627,216. STEEL DOOR. AXEL WAHLBERG and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1925. Serial No. 25,986. 16 Claims. (Cl. 189—46.)



1. A steel door for railway cars, including a rectangular frame made up of flanged structural steel shapes of relatively sturdy construction, swedged sheet steel members of relatively light weight secured to said frame, panels of relatively light weight connecting said swedged steel members, and channel members of relatively light weight secured to said panels and to said swedged steel members for providing box girders.

1,627,217. RAILWAY-TRACK CONSTRUCTION. RALPH J. WELLS, Dayton, Ohio. Filed Aug. 6, 1925. Serial No. 48,510. 10 Claims. (Cl. 238—9.)



6. In a railway track construction, track rails, sleeper plates upon which the track rails rest, tie bars interconnecting the sleeper plates one with another in pairs, bodies of resilient material located beneath the sleeper plates and a body of concrete in which the bodies of resilient material are embedded.

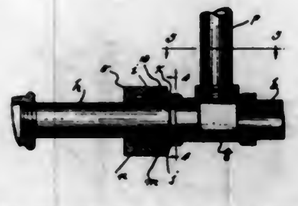
1,627,218. AUTOMOBILE BUMPER. JOHN ST. CLAIR WERNIG, Brooklyn, N. Y. Filed Aug. 1, 1925. Serial No. 47,398. 11 Claims. (Cl. 293—55.)



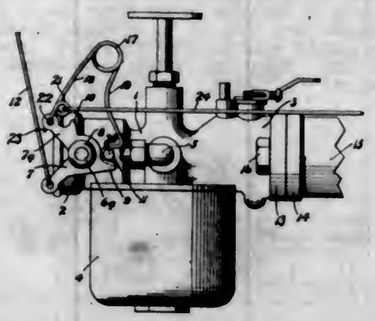
1. A support for automobile bumpers embodying rear supporting members having two pairs of terminal ends, the ends of the members of each pair converging toward each other and jointly forming a split eye-formation, and a single supporting element on each frame-end adapted to conjointly engage the said split portions of each eye-formation.

1,627,219. PIPE CONNECTION. RAYMOND R. WHITE, Detroit, Mich., assignor to White Showers, Inc., Detroit, Mich., a Corporation of Michigan. Filed May 5, 1924. Serial No. 711,294. 1 Claim. (Cl. 285—166.)

In a pipe connection for a liquid distributing system, the combination of a turning union provided at one end with means for securing a distributing pipe thereto and having the opposite other end externally threaded and provided with a bore which is enlarged at the end thereof, means for turning the union together with the distributing pipe on the longitudinal axis of the pipe, a second pipe fitted into the bore carried by the turning union to rotatably support the same to permit the rotation of the distributing pipe, the said second mentioned pipe provided with a circumferential groove near the end thereof, a split metallic spring collar fitted in said groove and arranged to engage the shoulder formed by the enlarged bore, that portion of the pipe beyond the groove engaging in the narrow portion of the bore, pocking engaging behind the spring collar and within the enlarged bore portion of the union, a packing gland fitted into the enlarged bore and engaging the packing, a packing nut screwed onto the external threads carried by the union and engaging the packing gland to squeese the packing between the split spring collar and the gland and force the packing against the side walls of the enlarged portion of the turning union for sealing the joint.



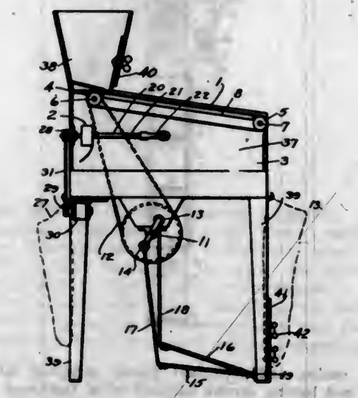
1,627,220. CARBURETOR-CHOKE-VALVE SPRING. FLOYD G. WITHROW, Grand Rapids, Mich. Filed Aug. 10, 1925. Serial No. 49,496. 1 Claim. (Cl. 267—61.)



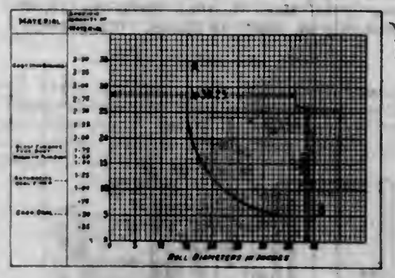
A choke valve spring formed from a single piece of wire comprising a central coil and end portions extending therefrom, a hook formed at one end of one of said end portions, an eye formed adjacent the end of the opposite end portion the wire being then bent laterally for a distance at right angles and then again at right angles in the same direction as said end portions, substantially as described.

1,627,221. DEVICE FOR SORTING BEANS. JOHN W. WRIGHT, Puyallup, Wash. Filed Aug. 1, 1925. Serial No. 47,397. 1 Claim. (Cl. 209—125.)

In a sorting device of the class described, an endless belt, pulleys over which the belt passes, means for supporting the pulleys to hold the belt in an inclined position, a small pulley at one end of one of the said belt pulleys, a crank shaft rotatably supported adjacent the said endless belt, a pulley on one end of the said crank shaft, a belt passing over the said latter pulley and also over the small pulley on the said endless belt pulley, pedals rotatably supported adjacent the said crank shaft, rods connecting the ends of the said pedals to the said crank shaft, means for readily changing the inclination of the said belt, a suitable hopper directly above the upper end of the said endless belt, suitable suction tubes by which objects may be readily picked from the said belt, means for supporting a device for receiving the objects from the lower end of the said belt positioned directly below the belt, means positioned below the belt and hopper for receiving the picked objects, and the relative positions of the said device being such that one operator may sit at the end of the said belt and hold a suction tube in each hand, and operate the machine with his feet.



1,627,222. BRIQUETTING METHOD. ELLSWORTH B. A. ZWOYER, Perth Amboy, N. J., assignor to The General Fuel Briquette Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1925. Serial No. 21,476. 5 Claims. (Cl. 25—155.)

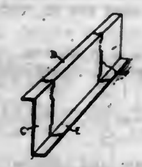


3. In the art of briquetting by the use of presses of the gravity feed type, the method which consists in first determining the specific gravity of the material to be briquetted, then computing the diameter of the rolls of the press, to be employed for briquetting such material, by reference to a formula typified by a graph, the characteristics of which are substantially expressed by the equation,

$$(x-36.25)^2+(y-26.25)=21.25^2$$

where x equals the roll diameter, and y the specific gravity of the material to be treated, then incorporating in the press a roll having a thus determined diameter and subjecting material of the said specific gravity to the action of said rolls.

1,627,223. PACKING STRIP FOR SHIPPING MATERIALS. WILLIAM B. ALCORN, Detroit, Mich. Filed June 6, 1924. Serial No. 718,202. 1 Claim. (Cl. 206—46.)



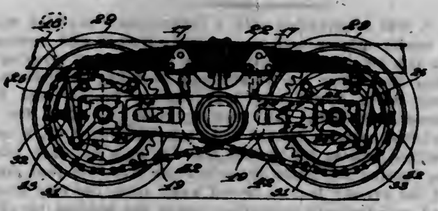
A spacer for use in stacking bricks, comprising a strip of sheet material adapted to be vertically disposed between adjacent rows of bricks, said strip having its upper and lower edge portions oppositely bent at substantially right angles to the body of the sheet to form a packing between said rows of bricks and super-posed rows, and further comprising metal reinforcing members extending upon said sheet between their bent edges maintaining the angular relation of said edge portions to the body of the strip.

1,627,224. ATTACHMENT FOR LADIES' BAGS. MAX ASHERMAN, New York, N. Y. Filed July 12, 1926. Serial No. 121,779. 4 Claims. (Cl. 150—35.)



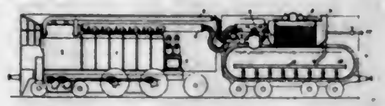
1. An attachment for a hand bag, comprising a tab permanently connected at one end to the bag and separably connected thereto at the free end, said tab being provided with outstanding rigid ribs on its inner face to engage articles placed between the tab and bag.

1,627,225. FOUR-WHEEL EQUALIZED TRACTION UNIT. ELMER H. BABEL, Oakland, and RICHARD L. OWEN, Venice, Calif.; said Babel assignor to said Owen. Filed Mar. 29, 1924. Serial No. 702,938. 7 Claims. (Cl. 180—22.)



1. In a traction unit a main cross member, a pair of articulated side members, the parts of which are mounted to swing through vertical arcs having a common axis on said main cross member, wheels carried by both parts of each side member, means for imparting driving movement to said wheels, means forming a part of said driving connections whereby the wheels may operate independently of each other, and a spring mounted for rocking movement above each side member and arranged to resist upward swinging movement of the parts thereof.

1,627,226. INTERNAL-COMBUSTION LOCOMOTIVE. SIGURD MATTIAS BÄCKSTRÖM, Stockholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Jan. 16, 1922, Serial No. 529,788, and in Sweden Jan 22, 1921. 9 Claims. (Cl. 105—37.)

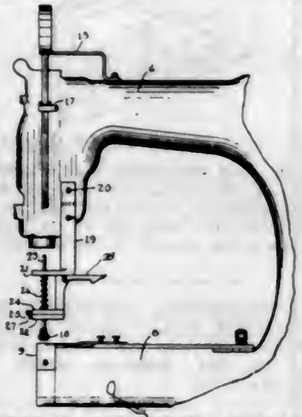


8. A combined steam and internal combustion engine locomotive in which the steam generator is supported upon one vehicle unit or truck and the steam and internal combustion engine cylinders together with their joint power transmission mechanism are carried by a sparate truck or vehicle.

1,627,227. PHONOGRAPHIC RECORD. PAUL BALKE and GUSTAV LEYSIEFFER, Troisdorf, Germany. Filed Dec. 1, 1920. Serial No. 427,635, and in Germany Feb. 13, 1920. 3 Claims. (Cl. 106—1.5.)

1. A homogeneous sound record for talking machines or the like consisting of cellulose nitrate, a filling material, and a gelatinizing agent, the filling material being present in a quantity greater than the cellulose nitrate, and the gelatinizing agent in a quantity greater than that required to gelatinize the nitrate.

1,627,228. ATTACHMENT FOR SEWING MACHINES. GEORGE BOULTON, Rochester, N. Y. Filed Apr. 29, 1924. Serial No. 709,917. 4 Claims. (Cl. 112—152.)



4. The combination with a feeding plate provided with a needle opening and in a pocket adjacent said opening, an arm pivotally mounted on the machine and carrying a filler for filling the pocket and providing a flush face over which a flat tape may pass, a presser foot for cooperation with the feeding plate, a guide for a flat tape movable toward and from the feed plate, a connection between the presser foot and such flat tape guide for causing the latter to move away from the feed plate as the presser foot is moved away from the feed plate, and automatically operating means for holding the flat tape guide away from the feed plate when such guide is moved by the presser foot, permitting the presser foot to move toward the feeding plate independently of the flat tape guide.

1,627,229. COMBINATION BLOWER AND HEATER. WILLIAM ALLEN BROWN, Philadelphia, Pa. Filed Oct. 19, 1923. Serial No. 669,629. 31 Claims. (Cl. 34—26.)

1. In a device of the character stated, a motor casing, a blower carried thereby, a guard casing for said blower having a bottom skeleton wall whose rear surface is secured to said motor casing, an outer grid member secured to said guard casing trunnions carried by said

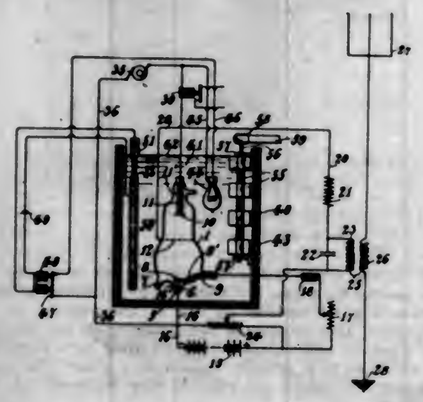


guard casing and frictional plates engaging said trunnions and having screws adapted when tightened to hold said blower and guard casing in the desired adjusted position.

1,627,230. PROCESS FOR PREPARING A REACTION PRODUCT OF ACETALDEHYDE AND ANILINE. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed May 26, 1923. Serial No. 641,764. 5 Claims. (Cl. 260—130.)

1. A process for preparing the reaction product of acetaldehyde which comprises combining acetaldehyde with aniline in the presence of a water solution to which is imparted a hydrogen ion concentration of 1×10^{-3} to 2.5×10^{-4}.

1,627,231. DETECTOR AND METHOD OF CONTROLLING THE SAME. EMORY LEON CHAFFEE, Belmont, Mass., assignor to John Hays Hammond, jr., Gloucester, Mass. Filed Mar. 31, 1915, Serial No. 18,367. Renewed July 24, 1923. 16 Claims. (Cl. 250—27.)



1. A mercury detector comprising a container; a mercury cathode, and an anode in said container, means cooperating with said cathode and anode and responsive to radiant energy to cause electrical disturbances in said container, and means arranged to maintain the whole of said container at a substantially constant temperature to control the internal pressure of said container.

1,627,232. BALL RETAINER FOR BALL BEARINGS. DAVID F. CHAMBERS, Lancaster, Pa., assignor to The Bearings Company of America, Lancaster, Pa., a Corporation of New Jersey. Filed Jan. 7, 1926. Serial No. 79,706. 3 Claims. (Cl. 308—201.)



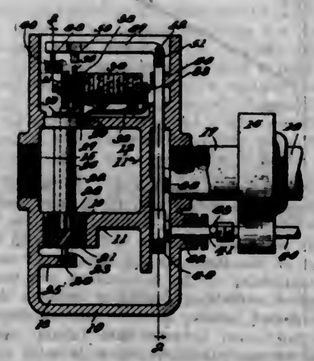
1. A ball retainer for ball bearings consisting of a unitary annulus having flanges extended from its margins in opposite directions and being formed with apertures between its margins to receive the balls, the retainer being asymmetrical in cross section with respect to the plane of the retainer, and means formed in the flanges for positively retaining the ball therebetween, each flange being formed to contact with each ball at a plurality of spaced points.

1,627,233. RECEPTACLE. ROGER MARIE GEORGES MOREL D'ARLEUX, Paris, France. Filed July 28, 1926, Serial No. 125,382, and in France Dec. 11, 1925. 6 Claims. (Cl. 181—51.)



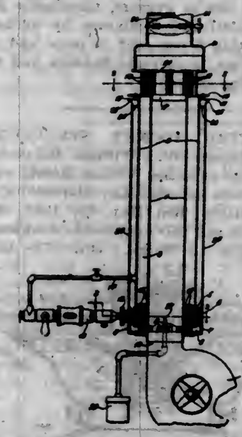
4. In a device of the class described, a body member formed so as to constitute a storing receptacle, a receiving receptacle contained within said body member, and a cover member coacting with said body member, said cover member being formed so as to provide guiding means for material to be deposited in said receiving receptacle.

1,627,234. FLOW METER. JAMES M. DAYTON, Torrington, Conn., assignor to The Dayton, Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Feb. 20, 1926. Serial No. 89,751. 7 Claims. (Cl. 235—1.)



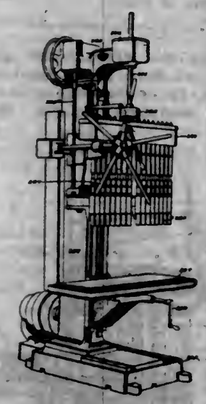
1. In a flow meter, a conduit for a liquid, a shut-off valve on said conduit, a counting mechanism and means actuated by the flow of liquid in said conduit to drive the counting mechanism, the combination therewith of a device to correct the registration of said mechanism, and means controlled by said shut-off valve to actuate said device.

1,627,235. HEATER. HENRY V. DEEMAR, St. Louis, Mo., assignor to John H. Bruninga, trustee, St. Louis, Mo. Filed May 31, 1924. Serial No. 716,986. 11 Claims. (Cl. 126—116.)



1. A heater comprising, a casing adapted to form an annular chamber, means for supplying a combustible mixture to said chamber, and ducts entering and extending into said chamber and adapted to admit air into the flame beyond the entrance of the combustible mixture.

1,627,236. MECHANISM REVERSIBLE WITHOUT BACKLASH ERROR. ROBERT M. GALLOWAY, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a Corporation of Indiana. Filed Mar. 24, 1925. Serial No. 17,969. 29 Claims. (Cl. 10—130.)

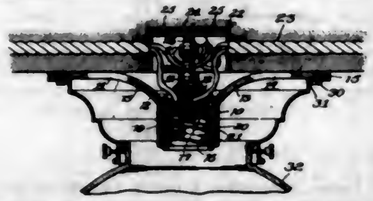


7. In a machine-tool, the combination comprising a cutting tool; a work member adapted to be operated on by said cutting tool; feed mechanism for effecting relative linear movement between the work member and the cutting tool; speed mechanism for effecting a relative rotative movement between the cutting tool and the work member, said feed mechanism and the speed mechanism being interconnected to maintain a predetermined ratio between the linear movement and the rotative movement; and back-lash compensating mechanism for insuring the starting of the linear movement and the starting of the rotative movement in correct relation upon reversal of the feed mechanism and the speed mechanism.

1,627,237. PROCESS OF MANUFACTURING SLAG CEMENT. JOSEPH G. HARDING, Jackson, Ohio, assignor of one-half to William R. Casparis, Columbus, Ohio, and one-half to Samuel E. Stephenson, Jackson, Ohio. Filed Jan. 13, 1923. Serial No. 612,520. 2 Claims. (Cl. 106—25.5.)

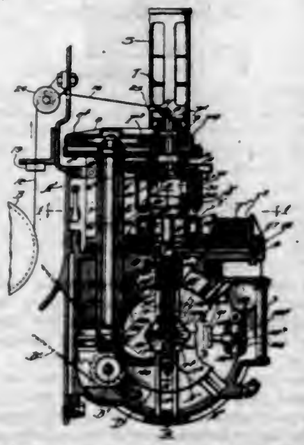
1. The herein described process of manufacturing slag cement, which consists in mixing a variable lime content with upward of 70 per cent of undried granulated slag and 3 per cent or less of gypsum, thoroughly drying the mixture and completing the mixture by adding cement clinker approximating 5 per cent or more and thereafter grinding the mixture to extreme fineness and simultaneously mixing the ingredients.

1,627,238. ELECTRIC-SOCKET STRUCTURE. MAX HERSKOVITZ, Chicago, Ill.; William Herskovitz (now, by judicial change of name, William Herst) and Charles Weinfeld executors of said Max Herskovitz, deceased. Original application filed May 23, 1919, Serial No. 299,198. Divided and this application filed Jan. 5, 1924. Serial No. 684,646. 2 Claims. (Cl. 173—342.)



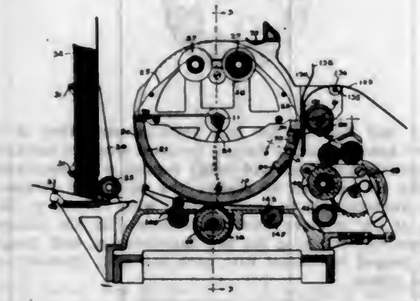
1. In a socket structure, the combination of a cup-shaped member containing electrical contacts for an electric lamp inserted into the open end of said member, said member presenting at one end a portion at which said member attaches to a support and apertured at one side of said portion for receiving electric wires connected with said contacts, and arms extending outwardly from said member, said arms containing threaded apertures adjacent their outer ends and other apertures between their ends, the latter for receiving devices for securing the socket structure in place.

1,627,239. SPOOLING MECHANISM AND METHOD. FRANK HONIG, Oak Park, Ill., assignor to Cyclo Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1924. Serial No. 693,264. 98 Claims. (Cl. 205—16.)



1. In a machine of the character set forth, the combination of a positively driven capstan upon and from which convolutions of a strand form and are discharged progressively, and an independent core so related to said capstan that the discharged strand is progressively wrapped on said core by the discharging action of said capstan.

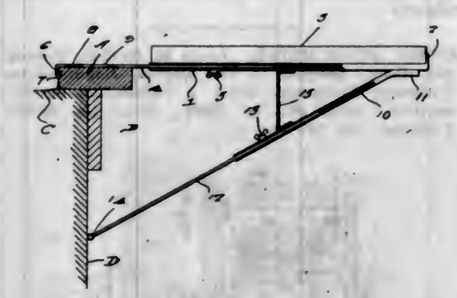
1,627,240. ADDRESSING MACHINE. JOHN A. HULT, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 7, 1926. Serial No. 100,224. 46 Claims. (Cl. 101—52.)



4. The combination of a rotary drum, a longitudinal guideway on the drum, a spring tending to discharge an address plate in the guideway, and a latch for holding the plate in place.

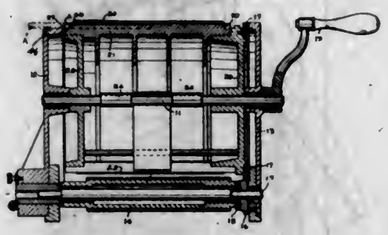
27. The combination of a rotary printing drum, a segmental platen mounted to turn on an axle parallel to the axis of the drum, adjustable studs eccentrically carrying said axle, and a combined clutch and variable coupling adapted to control the rotation of the platen while allowing the adjustment.

1,627,241. WINDOW BRACKET. WILLIAM H. JOHNSON, Cambridge, Md. Filed Apr. 7, 1925. Serial No. 21,334. 1 Claim. (Cl. 248—19.)



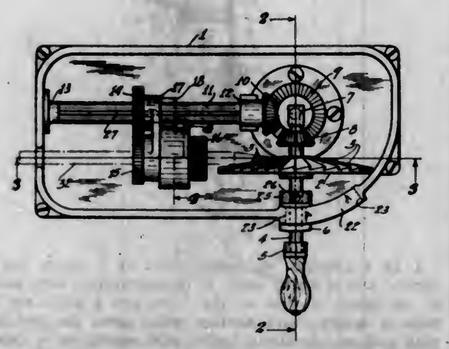
A window bracket comprising a horizontal longitudinally extensible suporting arm for a shaft, said arm being made of telescopically connected sections, the outer end of the outer one of which is formed with a stop, the inner end of the inner section being bent downwardly, and the extremity of the downturned end being formed with angular serrations providing teeth, a downwardly inclined tubular member fastened to said outer sections, a brace interposed between said tubular member and outer section, an adjustable leg slidable in said tubular member and provided on its free lower end with a cross piece adapted to bear against a supporting surface.

1,627,242. PRINTING DEVICE HAVING CHANGEABLE FORM. VICTOR H. KLINE, Lakewood, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 7, 1926. Serial No. 100,246. 12 Claims. (Cl. 101—52.)



1. The combination of a printing bed having a channel, a removable printing member adapted to occupy the channel, an inking ribbon extending across the channel, and a bridge substantially parallel with the edge of the ribbon and adjacent the entrance of the channel and extending across it beneath the ribbon.

1,627,243. PENCIL SHARPENER. CARL OTTO KOWOL, Alton, Ill. Filed Feb. 6, 1925. Serial No. 7,848. 1 Claim. (Cl. 120—95.)



A pencil sharpener of the class described comprising, a housing adapted to support bearings for the movable parts of said pencil sharpener, a rotatable chuck axially movable and adapted to grip and hold a pencil at a predetermined angle to the plane of a rotatable cutting disc, means for adjusting the plane of rotation of said rotatable cutting disc at different angles relatively to the said rotatable chuck without changing the relation of the teeth of the driven and driving bevel gears, said chuck having movable jaws normally held together by means of helical springs, means for holding said cutting disc in adjusted positions, and means for rotating said chuck and said cutting disc.

1,627,244. TAKE-UP DEVICE. WILBUR S. LEWIS, Cleveland, Ohio. Filed Sept. 2, 1925. Serial No. 53,973. 2 Claims. (Cl. 24—129.)

1. In a take up device of the character described, a pair of superimposed resilient metal members, and means for securing said members integrally together at their central portions, the end portions of said members being bent relatively at angles diverging from the central portions and each having a cord receiving aperture formed

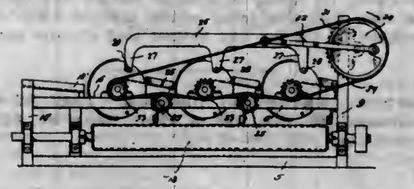


adjacent the free ends thereof, said apertures being capable of being brought into substantial alignment by compression of the free ends of the members.

1,627,245. PROCESS FOR MAKING AND MOLDING HARD PORCELAIN. ARTHUR MARSHALL MCINTOSH, Sydney, Australia. Filed July 15, 1922. Serial No. 575,387. 1 Claim. (Cl. 25—157.)

A process for forming porcelain ware comprising the subjection of ordinary finished porcelain to heat until plastic and then simultaneously subjecting the plastic material to pressure and molding it.

1,627,246. FRUIT-GRADING MACHINE. ALLAN H. MCINTYRE, Winchester, Va. Filed June 29, 1926. Serial No. 119,357. 9 Claims. (Cl. 209—101.)



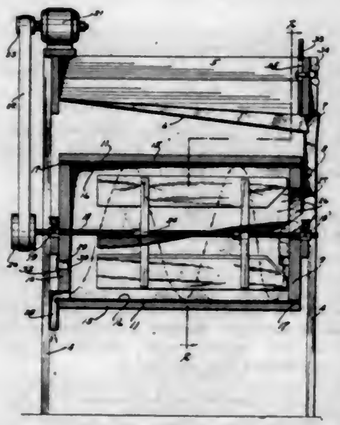
1. In a grading unit for fruit grading machines of the character described, a continuously rotating roller, a pocket arranged partially around said roller but non-rotatably associated therewith, and a gauge bar arranged in spaced relation with the roller and anchored to the pocket at one of its open sides, and means for rotating the pocket with respect to the roller from a generally horizontal position therebeneath, to a position at one side of the roller and vice versa.

1,627,247. LOADING MACHINE. NORTON A. NEWDICK, Columbus, Ohio, assignor to The Colader Company, Columbus, Ohio, a Corporation of Delaware. Filed Sept. 6, 1923. Serial No. 661,804. 6 Claims. (Cl. 198—7.)



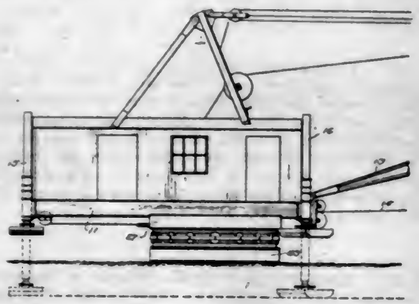
4. In combination with a pivoted conveyor having an inclined shoe member connected thereto, a pony truck for supporting the end of the conveyor, said pony truck including a wheeled frame, a supporting column rising vertically and centrally from said frame, and anti-friction devices mounted on said supporting column for engagement with the inclined shoe.

1,627,248. HULLER AND SCARIFIER. JOHN L. OWENS, Minneapolis, Minn. Filed Aug. 26, 1925. Serial No. 52,543. 4 Claims. (Cl. 83—30.)



1. A huller or scarifier comprising a casing lined with an abrasive surface and combined with a rotary fan in the casing for taking up seeds or the like and throwing the same with a whirling motion into the blast of air produced by the fan and against said abrasive surface.

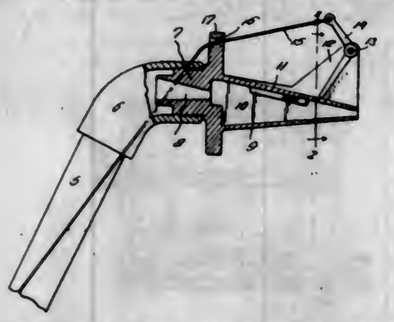
1,627,249. REVOLVING DERRICK. JOHN W. PAGE, Chicago, Ill. Filed Oct. 6, 1924. Serial No. 741,923. 2 Claims. (Cl. 180—8.)



1. A revolving derrick comprising a superstructure and a supporting base; said superstructure being rotatably and slidably mounted on top of said supporting base; and means for raising or lowering said superstructure, said supporting base adapted to hang from the underside of said superstructure and be supported thereby when said superstructure is raised.

1,627,250. ADJUSTABLE LIP-SPRAY NOZZLE. WILLIAM B. PARKER, Placerville, Calif. Filed June 3, 1926. Serial No. 113,498. 1 Claim. (Cl. 299—135.)

A spray nozzle of the class described including a plug having a bore, a fixed lip extending from the plug body, side walls rising therefrom, an adjustable lip extending from the plug body between the side walls, a flange on the plug and having an opening, a bell crank lever rockably mounted between the side walls in position to engage said adjustable lip, and a flexible member trained through the opening in the flange and engaged with the



bell crank lever so that it may be pulled for swinging the bell crank lever to engage the adjustable lip to move the same toward the fixed lip.

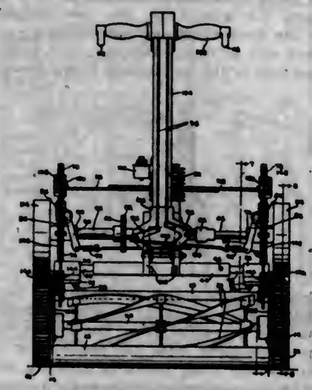
1,627,251. HYDRANT. ROY W. PENNY, Raleigh, N. C. Filed Oct. 19, 1925. Serial No. 63,888. 3 Claims. (Cl. 137—13.)



1. In a hydrant, the combination of a casing having outlets and a valve seat, a reciprocating valve seated in the casing, a stem on the valve and a guide for the stem, a rotary valve having outlet ports for co-action with said outlets and a top to said rotary valve closing it against passage of water, a hollow stem on the rotary valve, a valve rod secured within the hollow stem and projecting below the rotary valve, a joint between the upper and lower ends respectively of the valve stem and valve rod, an annular flange on the lower end of the valve rod, a spider frame below the rotary valve, and a spring interposed between said frame and flange.

1,627,252. LAWN MOWER. CORNELIUS A. PETERS, Minneapolis, Minn. Filed June 7, 1924. Serial No. 718,490. 1 Claim. (Cl. 56—26.)

A lawn mower comprising a support, traction wheels upon which said support is mounted, a fixed cutter blade carried by said support, rotary cutter blades adapted to cooperate with said fixed blade, a transverse shaft to which said rotary blades are secured, driving connections between said traction wheels and said transverse shaft, slides mounted for vertical movement above said traction wheels, a transverse shaft mounted in bearings carried by said slides, friction wheels secured to said shaft adjacent said bearings, springs tending to move said slides upwardly to bring said friction wheels out of engagement with said traction wheels, cams engaging the upper sides of said slides for moving said friction



wheels into engagement with said traction wheels, means under control of the operator for operating said cams, a motor carried by said support, and means for driving said second transverse shaft from said motor.

1,627,253. TRUCK. WALTER N. SHANNON, Jr., San Bernardino, Calif. Filed Nov. 6, 1925. Serial No. 67,315. 3 Claims. (Cl. 280—57.)



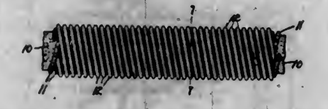
2. A truck comprising a frame, a bearing on the frame, a wheel journaled on the bearing, and a foot pivotally mounted intermediate its ends on the frame, the rear end of the foot being engaged under the bearing, against upward swinging movement, and the rear end of the foot being engaged with the bearing against rearward movement.

1,627,254. SAFETY PAPER. BURGESS W. SMITH, Rochester, N. Y., assignor to The Todd Company, Incorporated, Rochester, N. Y., a Corporation of New York. Filed Aug. 18, 1925. Serial No. 50,136. 10 Claims. (Cl. 91—67.95.)

1. A safety paper having incorporated therewith an organic compound having a molecular arrangement comprising a group of carbon rings joined together by having two carbon atoms in each ring in common with the adjacent ring, a carbon atom of said group of rings being attached to a carbon atom of another carbon ring, and a plurality of amino radicals substituted in said rings for hydrogen atoms, said compound being deepened in color by reaction with ink eradicating chemicals.
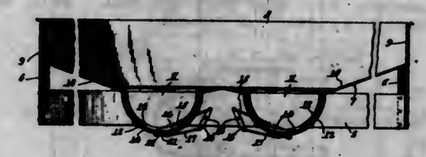
10. A safety paper having alpho-naphthidine incorporated in the body or sizing thereof.

1,627,255. COVERED ELASTIC THREAD OR CORD. JULIUS B. SMITH, Waterbury, Conn., assignor to The American Mills Co., Waterbury, Conn., a Corporation. Filed Oct. 1, 1926. Serial No. 138,883. 2 Claims. (Cl. 117—57.)



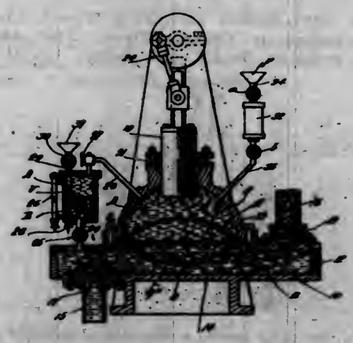
1. A covered elastic thread or cord, comprising an elastic core, a fibrous inner covering enveloping the said core, an elastic adhesive for bonding the said core and said fibrous inner covering together, and an outer or finishing fibrous covering enveloping both the said core and the inner fibrous covering.

1,627,256. COAL CAR. LAWRENCE F. SMITH, Hazard, Ky., assignor of one-eighth to Loyd P. Larkin and one-eighth to Austen Faulkner, Christopher C. Dale, and Alvis Mercer, Hazard, Ky. Filed Mar. 1, 1926. Serial No. 91,578. 4 Claims. (Cl. 105—24.)



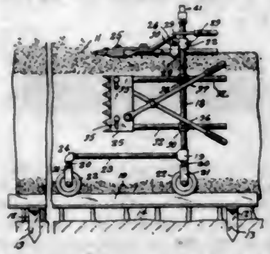
2. In a car of the class described, a bottom including inclined bottom plates, said bottom plates having their adjacent edges curved downwardly and inwardly providing hoppers, the adjacent edges of the plates being spaced to provide outlet openings, and sliding closures for normally closing the openings.

1,627,257. HYDRAULICALLY-OPERATED DIAPHRAGM PUMP. BLAMEY STEVENS, Temascaltepec, Mexico. Filed Oct. 24, 1924. Serial No. 745,623. 5 Claims. (Cl. 103—44.)



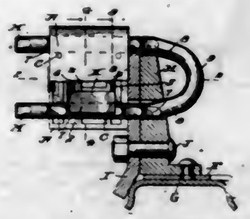
1. In a pump, a casing defining a chamber for the fluid to be pumped, inlet and outlet valves for the chamber, a body of actuating fluid within the casing, means for producing pulsations in the actuating fluid; the actuating fluid and the chamber contained fluid to be pumped being so associated that the forces of pulsations set up in said actuating fluid are transmitted to the fluid to be pumped; and an auxiliary reservoir in communication with the body of actuating fluid and the chamber-contained fluid in a manner whereby fluid pulsations in chamber and casing are transmitted to fluid within the auxiliary reservoir.

1,627,258. HEDGE TRIMMER. JOHN J. SULLIVAN, Bridgeport, Conn. Filed Oct. 16, 1926. Serial No. 142,038. 8 Claims. (Cl. 56—233.)



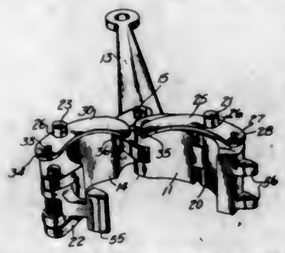
5. In a hedge trimming device, a wheeled carriage including spaced upright bars one on each side of the hedge, a bar extending transversely of the hedge and adjustably secured to the upright bars, blocks adjustably mounted on the bars, and a clipper carried by said blocks.

1,627,259. SLIDING-SHACKLE LOCK. WILLIAM F. TROAST, Lancaster, Pa., assignor to Issachar P. Reese, Lancaster, Pa. Filed Sept. 10, 1924. Serial No. 736,924. 3 Claims. (Cl. 70—108.)



3. In a sliding shackle lock, a shackle having two parallel arm portions having free ends, each of said arm portions having a straight inclined portion extending from its other end at an abrupt angle for a considerable distance toward the other arm portion, and the adjacent extreme parts of said inclined portions being integrally connected.

1,627,260. PIPE TONGS. CHARLES E. WILCOX, Anaheim, Calif., assignor to Elihu C. Wilson. Filed Apr. 10, 1922. Serial No. 551,232. 22 Claims. (Cl. 81—66.)



2. In a pipe tongs having a plurality of members adapted to encircle and engage a pipe, the combination of arms removably attached to some of said members, there being projections on said arms so placed as to be automatically actuated by the pipe to close the members about said pipe.

1,627,261. MOTOR-METER PROTECTOR. JAMES P. WILSON, Norfolk, Va. Filed Oct. 14, 1926. Serial No. 141,658. 1 Claim. (Cl. 220—24.)

In a device of the class described, a radiator cap, a motormeter having a stem mounted removably in the cap, a base member provided with arms located at the sides of the motormeter and in the same plane with the motormeter, the space in front of the motormeter and in the rear thereof being open and unincumbered to permit free vision through the motormeter, the base member being mounted on the stem and being located between the cap and the lower end of the motormeter, the base member and the lower end of the motormeter being provided with



lug and recess elements which are positively engaged to prevent relative circumferential movement between the base member and the motormeter, thereby to retain the arms in the same plane with the motormeter, the base member and the cap being provided with lug and recess elements which are positively interengaged to prevent the base member and the motormeter from turning upon the cap, and means on the stem and cooperating with the cap to hold the lug and recess elements interengaged.

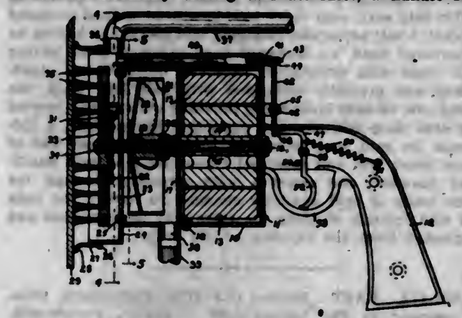
1,627,262. ELEVATED ASH CARRIER. JOHN SEM WOODAHL, Great Falls, Mont. Filed Nov. 18, 1926. Serial No. 149,035. 9 Claims. (Cl. 104—93.)



1. In an apparatus of the class described, the combination of a primary bracket comprising a vertical body provided with an inclined pulley arm, said pulley arm terminating in an upstanding lug, a pulley supported by said lug, a bracket arm on said vertical body, said bracket arm provided with a head, said head provided with a notch, a track provided with side extensions or hooks, said hooks seated in said notch of said head, means extending through the track and the head for positively fastening the same together, a guide arm under the track and integral with said vertical body, said guide arm provided under the track with a V-shaped groove, said guide arm provided at its outer end with an upstanding portion, a receptacle travelling on said track, a cable having its upper run engaging said pulley and its lower run engaging said V-shaped groove, said cable being fastened at its ends to opposite ends of said receptacle, and means for hauling the cable back and forth for operating the receptacle upon said track.

1,627,263. SCRUBBING MACHINE. MILNER B. BAILY, Dunlap, Iowa. Filed Oct. 2, 1925. Serial No. 59,998. 3 Claims. (Cl. 15—50.)

1. A scrubbing machine comprising a casing having a brush compartment, a fan compartment communicating therewith and a motor compartment all disposed on substantially the same axis and said brush compartment being open at the side away from said fan compartment, a motor in said motor compartment, a motor shaft connected with the motor and extending through said fan and brush compartments, a brush mounted on said shaft in the brush compartment, a suction fan mounted on said shaft in the fan compartment, a flexible collar carried by said brush compartment and enveloping the brush, means for supplying liquid connected to said brush compartment, an outlet communicating with said fan compartment, an air inlet to the brush compartment, valve means for normally closing said air inlet, a handle for



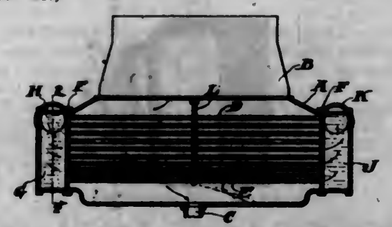
the casing extending substantially axially from the motor compartment end, and operating means carried by said handle for opening said valve means.

1,627,264. ELECTRIC-LANTERN BATTERY. FRANK T. BAIRD, Blue Island, Ill., assignor to French Battery & Carbon Company, Madison, Wis., a Corporation of Wisconsin. Filed Sept. 4, 1923. Serial No. 660,680. 2 Claims. (Cl. 136—108.)



1. The combination with a lantern-casing having at its bottom an internal annular contact, of a battery-unit comprising a container having side walls, a top wall and a bottom wall, the bottom wall of said container having a central perforation and an eccentric perforation, dry-cells confined in said container and insulated from each other, and coil-spring contacts having their upper ends permanently attached to said battery-unit and electrically connected with electrodes of said cells, said coil-spring contacts protruding through said perforations and one of said contacts engaging said annular contact member.

1,627,265. SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 20, 1926. Serial No. 149,650. 2 Claims. (Cl. 257—43.)



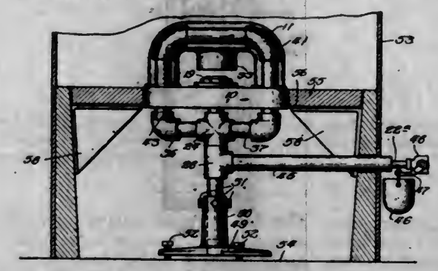
1. A surface condenser comprising a steam inlet and an air outlet, and cooling tubes arranged in active and inactive zones for steam condensation, the tubes in the inactive zone being of smaller diameter and adapted to conduct water at lower velocity than the tubes in the active zone.

1,627,266. ROOF TILE AND METHOD OF MAKING THE SAME. FRANK A. BEALS, Richmond, Va., assignor of one-half to Muhleman & Kayhoe, Incorporated, Richmond, Va., a Corporation of Virginia. Filed Mar. 31, 1925. Serial No. 19,640. 6 Claims. (Cl. 25—154.)



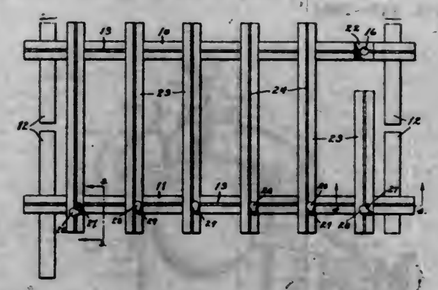
1. The method of making roof tiles which consists in molding a body of wet material, precipitating upon the weather surface of the body a mixture of binding material and surfacing matter, and permitting the binding and surfacing matter to absorb moisture from the body and to harden thereon without being smoothed or otherwise surfaced.

1,627,267. OIL BURNER. ALBERT BODDEKER, Chicago, Ill. Filed Apr. 9, 1926. Serial No. 100,905. 6 Claims. (Cl. 158—91.)



1. In an oil burner in combination, a burner head, means for delivering oil to said burner head, a preheating chamber surrounding said delivery means, means for delivering heated air above the burner head, and means for delivering heated air to said preheating chamber comprising a member having an air intake below the plane of the burner head, a portion extending over the burner head in the path of the flames and a non-perforated delivery connected with said preheating chamber.

1,627,268. POULTRY ROOST. BENJAMIN T. BOUMA, Lynnville, Iowa. Filed Feb. 18, 1925. Serial No. 9,061. 1 Claim. (Cl. 119—25.)

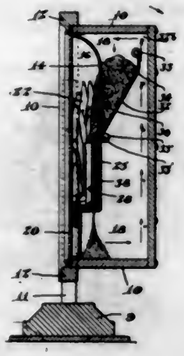


A device of the class described, comprising spaced sills adapted to contain a liquid germicide, said sills being formed with spaced notches opening to their upper margins, and perch bars mounted in said notches and also adapted to contain a liquid germicide, said sills being formed with filling holes located in certain of said notches and adapted to be covered by the perch bars when in place.

1,627,269. METHOD OF MAKING MAGNETIC ALLOYS. VERA B. BROWNE, Brackenridge, Pa. Filed Mar. 19, 1925. Serial No. 16,837. 10 Claims. (Cl. 75—45.)

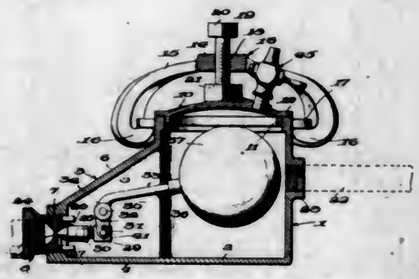
1. The method of making silicon iron substantially free from solid inclusions and having a definite silicon content, which consists in collecting and storing within a container a relatively large bath of such alloy and applying external heat to the same, in holding the stored metal within the container until substantially all of the solid inclusions have floated to the surface of the bath and in assisting this flotation by causing agitation within the bath and then in tapping metal from the bath.

1,627,270. MEANS FOR REPRESENTING CASCADES IN LANDSCAPES. JOHN A. BURNHAM, Marblehead, Mass. Filed Mar. 6, 1926. Serial No. 92,787. 3 Claims. (Cl. 40—126.)



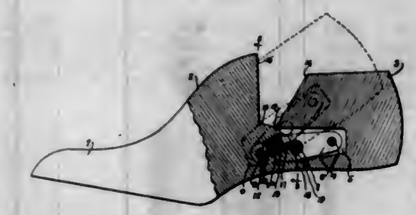
2. In a device for representing a landscape which includes a cascade, the combination, with incidental scenery, of means for simulating the cascade, comprising a mass of minute glass beads; there being an opening in the scenery; and means for holding said mass above the opening and adapted to discharge, by gravity, a thin, flat stream of said beads past the opening.

1,627,271. STEAM TRAP. FRED AMOS BURROWS, York, Pa. Filed Mar. 5, 1925. Serial No. 13,257. 1 Claim. (Cl. 137—103.)



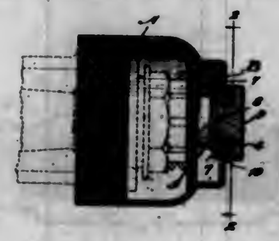
A steam trap comprising a main float chamber having an inlet near its top and an auxiliary outlet chamber extending laterally therefrom and having an outlet opening near its bottom, a nipple threaded in said outlet and having a ported vertical partition provided with a valve seat and with valve guiding fingers extending rearwardly of said seat, a valve located in said trap and cooperating with said seat, said valve having a head with a threaded socket, a bolt adjustably engaging said socket and having an apertured head, an L-shaped float carrying lever having its short arm bifurcated, extended downwardly, straddling and pivotally connected with said bolt head, the long arm of said lever being provided with a float located in said main chamber and extending horizontally, a fulcrum for said lever extending through the inner end of said short arm and arranged transversely of said auxiliary chamber, and socketed bolts extending through the side walls of said auxiliary chamber to receive the ends of said fulcrum whereby the valve may be assembled and adjusted from the exterior of the trap.

1,627,272. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 15, 1925. Serial No. 23,236. 5 Claims. (Cl. 12—136.)



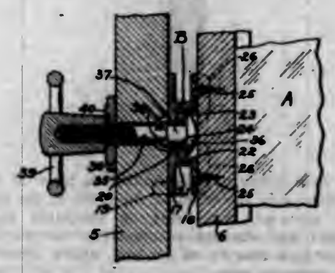
1. In a last, a toe part, a heel part, a projection on the toe part of quadrant form adapted to engage with a cooperating concavity of the heel part, a right angle shoulder on either part adjacent the quadrant projection for forming a limiting shoulder, a link connecting said parts, a spring pressed plunger carried by one of said parts, and means on the link for engaging with said plunger to resist the movement of the parts from one position to the other and to hold them in either of said positions, said projection consisting of a transverse cylindrical member carried by said link, said parts having cut away portions for receiving said link and said transverse member.

1,627,273. PLUG FOR LUBRICANT INLETS. CHARLIE G. COFFIN and JOSEPH A. WOLF, Elgin, Okla., assignors of one-third to Delbert E. Cline, Elgin, Okla. Filed July 29, 1924. Serial No. 728,938. 2 Claims. (Cl. 308—96.)



1. The combination, with a wall having a lubricant inlet, of an exteriorly and interiorly threaded bushing in said inlet, a head and nut on said bushing contacting with opposite sides of said wall, a threaded plug turnable into and out of said bushing, and a head on said plug enveloping and covering the bushing part on the outside of said wall and having a rim arranged to seat against said wall.

1,627,274. HINGE. THOMAS H. COSTELLO, Chicago, Ill.; Rose M. Costello and William E. Costello, executors of said Thomas H. Costello, deceased, assignors to Rose M. Costello, trustee. Filed June 4, 1920. Serial No. 386,642. 4 Claims. (Cl. 16—140.)



1. In a hinge, a pair of facially contacting hinge members, one of which is stationary and the other rotatable relative thereto, there being registering openings in the hinge members, a securing bolt for the hinge members embodying a key portion non-rotatable and slidable through the stationary member and both rotatable and slidable through the rotatable hinge member for holding the latter against rotatable movement, and means formed integral with the bolt and cooperating with the outer side of the two hinged members to hold the hinged members and first named means in assembled formation.

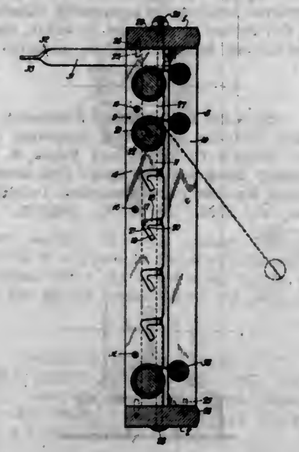
1,627,275. FRICTION HINGE. THOMAS H. COSTELLO, Chicago, Ill.; Rose M. Costello and William E. Costello, executors of said Thomas H. Costello, deceased, assignors to Rose M. Costello, trustee. Filed June 4, 1920, Serial No. 386,643. Renewed June 19, 1925. 10 Claims. (Cl. 16—140.)



1. In a friction hinge; the combination with a relatively stationary member and a relatively rotatable member coacting therewith and provided with alined openings of a pivot bolt attached to and rotating with said last named member extending through said alined openings, a clamping plate adjustably slidable and relatively non-revolubly mounted on said bolt, and means for adjustably positioning said clamping plate on said bolt.

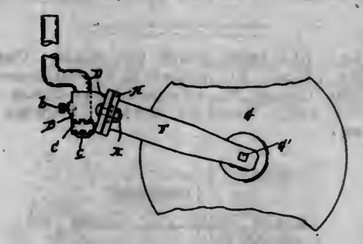
1,627,276. MAP RACK. THOMAS H. COSTELLO, Chicago, Ill.; Rose M. Costello and William E. Costello, executors of said Thomas H. Costello, deceased, assignors to Rose M. Costello, trustee. Filed Oct. 8, 1924. Serial No. 741,399. 5 Claims. (Cl. 40—83.)

1. In a map rack; a heading piece, a base piece, connecting end pieces having inwardly facing grooves throughout their length, positioning pieces attached to the end pieces and engageable with the heading and base pieces



and bolts or rods to connect the top and base pieces adapted to be seated laterally within and be concealed by said inwardly facing grooves.

1,627,277. PLOW COLTER. ANDREW CRAIG, Motutapu Island, New Zealand. Filed Dec. 29, 1922, Serial No. 609,741, and in New Zealand Oct. 7, 1922. 2 Claims. (Cl. 97—209.)

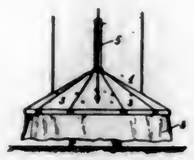


1. A colter securing means, comprising a stalk adapted to be secured in vertical position to a plow frame; a sleeve rotatably adjustable on the lower portion of the stalk and formed with a toothed lower edge; a fastening ring detachably secured to said stalk immediately below the sleeve and formed with a toothed upper edge to adjustably interlock with the teeth on said sleeve so as to hold the latter in adjusted position; a member for clamping the sleeve directly to the stalk; a downwardly and inwardly inclined bearing plate rigidly connected to said sleeve and formed with a central projection, and with a pair of arcuate slots at opposite sides of and concentric with such projection; a colter fork provided with a bearing plate which is disposed flat against the first plate and which is formed with a central recess wherein the projection on that plate is journalled, and with a pair of arcuate slots at opposite sides of and concentric with such recess and adapted to register with the first slots to enable a rotary adjustment of the fork about its axis with relation to the said first plate and the sleeve and stalk; and fasteners passing through the pairs of registering slots to retain the fork in adjusted position.

1,627,278. COLLOIDAL ADHESIVE COMPOSITION. BRADLEY DEWEY, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Nov. 14, 1924. Serial No. 749,998. 2 Claims. (Cl. 87—17.)

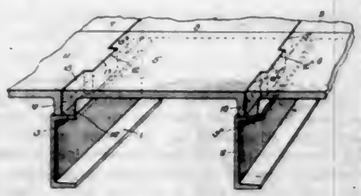
1. An adhesive composition comprising colloidal clay in suspension and rubber in emulsion in water, the colloidal clay predominating substantially in quantity over the rubber.

1,627,279. CHICKEN BROODER. FREDERICK FRENGLE, Cotati, and FRANCIS D. ROHAN, Petaluma, Calif., assignors to Francis D. Rohan and Frank S. Conner, a Copartnership doing business under firm name of Pride of Petaluma Brooder Stove Company, Petaluma, Calif. Filed Dec. 27, 1923. Serial No. 682,992. 3 Claims (Cl. 119—32.)



1. A brooder comprising a canopy, an apron depending from said canopy, said canopy being formed of a plurality of triangular panels, a bar secured to the underside of certain of said panels, each of said bars being provided with downwardly extending flanges lying in intersecting planes, each of said flanges being provided with a hole, a brace rod extending thru adjacent holes of adjacent bars and means whereby each brace rod may be adjusted relative to either of the bars which it connects.

1,627,280. BUILDING TILE OR SLAB. CHERI S. FREUND, Chicago, Ill., assignor to Federal Cement Tile Company, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1922. Serial No. 560,867. 4 Claims. (Cl. 72—68.)



3. A floor construction comprising a plurality of parallel and spaced purlins having relatively narrow floor supporting flanges, load supporting tiles disposed end to end for spanning said purlins and having abutting ends resting on said flanges, said tiles having a projecting tongue at the edge of one of the load supporting ends, and a complementary recess formed in the opposite edges of the load supporting ends and providing a projecting portion on each side of same, said tongue and projecting portions being adapted to rest on the purlins and provide sufficient bearing surface thereon when the same are separated by the contraction of said tiles.

1,627,281. DISPLAY SAMPLE DEVICE. FRANK J. GARRETT, Cincinnati, Ohio. Filed Oct. 19, 1926. Serial No. 142,744. 8 Claims. (Cl. 35—17.)



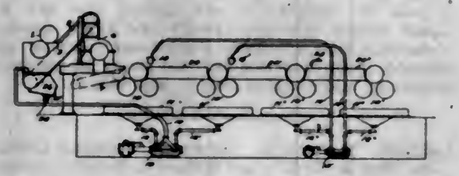
1. As a new article of manufacture, a piece of sample cloth for displaying the effect of the cloth in the form of a finished garment, comprising an elongated strip of cloth, folded and creased substantially at the center thereof, having a hem at its one end, and a turned over fold at its opposite end.

1,627,282. RECEPTACLE. ALBERT GRAN, Chicago, Ill. Filed Nov. 11, 1925. Serial No. 68,422. 10 Claims. (Cl. 220—1.)



1. In a receptacle of the class described, the combination with the side walls, of bead sections slidable along the top edges and constituting the rim of the receptacle, corner pieces having angularly protruding arms, said bead sections having sockets for receiving said arms, and each of said arms having notches therein, and each of said sockets having partially severed portions adapted to be struck into said notches whereby to hold said corner pieces and bead sections assembled.

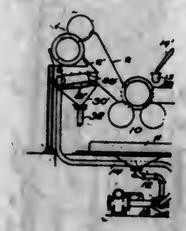
1,627,283. JUICE-STRAINING SYSTEM FOR SUGAR-CANE MILLS. WILLIAM G. HALL, Honolulu, Territory of Hawaii. Filed Jan. 29, 1926. Serial No. 84,658. 2 Claims. (Cl. 100—47.)



1. The combination of a sugar cane mill including a preliminary crusher and an elevating conveyer having a casing for delivering the cane from the crusher to the

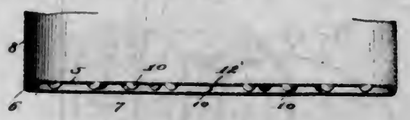
first mill unit, a strainer in the bottom of the casing, a receptacle into which the strainer discharges, and means for delivering the mixed juice from the mill units to the casing above such strainer.

1,627,284. JUICE-STRAINING SYSTEM FOR SUGAR-CANE MILLS. WILLIAM G. HALL, Honolulu, Territory of Hawaii. Filed Jan. 29, 1926. Serial No. 84,659. 2 Claims. (Cl. 100—47.)



1. The combination of a sugar cane mill including a preliminary crusher and a chute connecting the crusher with the first mill unit, a chamber below the crusher and offset from the bottom of the chute, a screen dividing said chamber into upper and lower sections, a strained juice discharge for the lower section, means for delivering the mixed juice from the roller mill units to the upper section, and means for discharging the solid material lodging on the screen into the chute.

1,627,285. CULINARY UTENSIL. LEMOTT D. HUBBARD, Utica, N. Y. Filed Mar. 27, 1926. Serial No. 97,971. 1 Claim. (Cl. 53—1.)



As an improved article of manufacture, a bottom protector for food in culinary vessels comprising a sheet metal disk having semi-circular openings formed therein in radial lines with the metal released by the formation of said openings turned downwardly at right angles to provide intermediate guards, the disk also having a peripheral depending angular supporting flange of greater vertical extent than the downwardly bent guards so that the latter have their lower terminals normally above the bottom of the receptacle on which the protector is disposed to provide a free circulation of liquid within the culinary vessel between the protector and the bottom of said vessel under normal conditions, the guards only acting under maximum weight conditions to obviate extreme depression of the body of the disk, other circular openings being formed between the said semi-circular openings and disposed in radial lines.

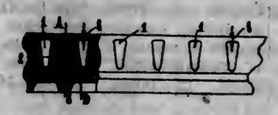
1,627,286. CORD CONNECTER. WILLIAM ILB, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed May 6, 1926. Serial No. 107,284. 6 Claims. (Cl. 173—332.)

1. A cord connecter comprising cap sections and an intermediate section, said sections being constructed of molded insulating material, spring contacts carried by one of the cap sections, knife contacts mounted on the other cap section and adapted to engage the spring contacts, cooperating means carried by the intermediate section and the cap section having the spring contacts and interlocking the intermediate section with such cap section and movable into and out of engagement by a relative rotary movement of the cap and intermediate sections, said intermediate section being provided with slots through which pass the knife contacts, whereby the



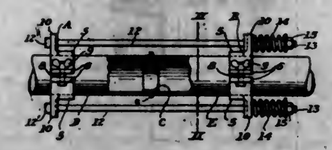
intermediate section is held against relative rotary movement and is retained in its interlocked relation with the cap section when the knife contacts are in engagement with the spring contacts and the parts assembled.

1,627,287. ENDLESS SUPPORTING AND DRIVING FLEXIBLE BELT FOR MOTOR AND OTHER VEHICLES. ADOLPHE KEGRESSE, Paris, France. Filed May 24, 1921, Serial No. 472,200, and in France June 5, 1920. 8 Claims. (Cl. 305—10.)



7. An endless, flexible supporting and driving belt for motor and other vehicles, consisting of canvas and rubber vulcanized together under high pressure, said belt embodying counterpart, spaced transverse portions each containing an internal block of semi-elastic material, and endless strengthening cables extending along the edges of the belt.

1,627,288. APPARATUS FOR JOINING OR CONNECTING PIPES. JOSEPH KURKOWSKI, Pittsburgh, Pa. Filed Feb. 2, 1922. Serial No. 533,612. 5 Claims. (Cl. 113—104.)

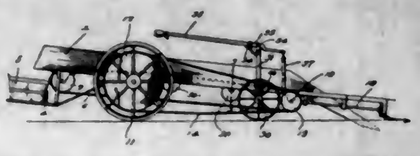


1. A portable device to be used in making pipe connections comprising a pair of opposed pipe engaging members having intermediate apertured extensions and apertured terminals thereon for the reception of rods, removable means for detachably and adjustably holding and drawing the members together, rods passing said extensions, the rods being receivable in either the terminals of the said members or in the said extensions to enable the device to be arranged for holding two pipes in alinement or two pipes at right angles to each other and compression springs carried by the rod and interposed between one of said pipe engaging members and one end of the rod.

1,627,289. ONION HARVESTER. JOHANNS CHRISTIAN LARSEN, Sturtevant, Wis. Filed Feb. 20, 1926. Serial No. 89,699. 1 Claim. (Cl. 55—127.)

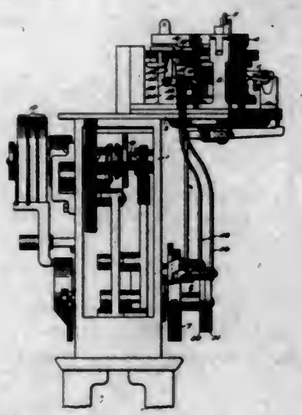
The herein described onion harvester comprising a rear axle equipped with ground wheels, a vertically swingable frame mounted on and extending forwardly

from said axle and having a transverse bail on its forward portion and an eye at the center of said bail and above the same, wheeled front axle portions, a yoke fixed to said front axle portions, and arranged in transverse straddling relation over the frame and having upright side portions, upright guides carried by the side portions of the frame and receiving and movable up and down on the said upright side portions of said yoke, a



longitudinally disposed and central hand lever fulcrumed at an intermediate point of its length on the vertical central portion of the yoke and having on its forward end portion a pendent hook connected with the eye on the transverse bail on the forward portion of the frame, an arcuate rack connected with and disposed rearwardly of the yoke, and a detent on the hand lever and cooperating with said rack.

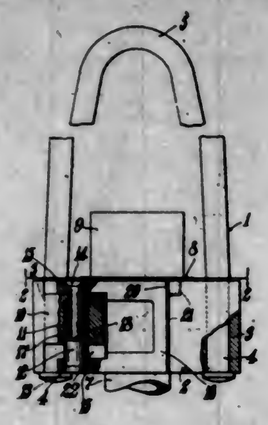
1,627,290. REVERSE PLATING MECHANISM AND PROCESS. ROBERT H. LAWSON, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Nov. 22, 1926. Serial No. 149,952. 12 Claims. (Cl. 66—108.)



1. That improvement in the process of knitting plated fabrics which consists in feeding two threads simultaneously to the knitting needles, maintaining a greater tension on one thread than the other during the feeding thereof, causing said needles to engage the threads to form loops in said threads, pressing against the threads laterally at one side thereof during the initial steps in the formation of normal loops, and reversing the relative positions of said threads in certain of the loops by pressing against the opposite sides of the threads during the initial steps in the formation of the latter loops.

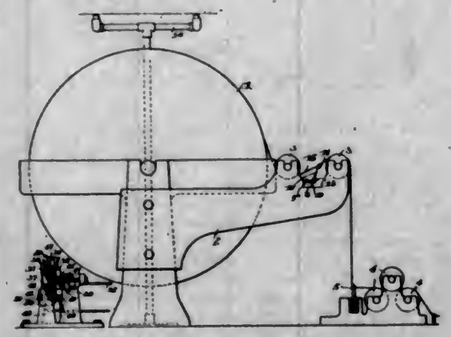
1,627,291. DRILLING APPARATUS. NORMAN MADSEN, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 4, 1925. Serial No. 6,908. 4 Claims. (Cl. 294—90.)

1. In a lifting bail for drill rods, a rod clevis having lugs for receiving the bail and a central laterally extending opening, a lateral lug formed on said clevis and having a vertical bore, a pivot pin slidably mounted in said bore, a gate member for closing the open side of



said clevis, said gate member being connected to said pin, and a spring in said bore acting on said pin for maintaining said gate member in its closed position.

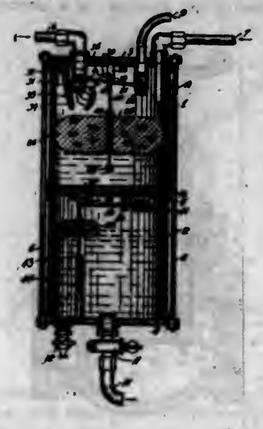
1,627,292. ELECTRIC STOP MOTION FOR TEXTILE MACHINES. HARRY E. MATTHEWS, WILLIAM H. LOVE, and HUGH T. RYDER, Greensboro, N. C. Filed Apr. 23, 1926. Serial No. 104,030. 11 Claims. (Cl. 242—37.)



1. In a machine for handling textile threads, a break indicator comprising a pivot member, a contact element mounted on said pivot member, and extending upwardly therefrom and carrying a loop, with a thread of the machine passing through said loop to hold said contact element against rotation, a contact member disposed below and protected by said pivot member, said contact element being movable into engagement with said contact member automatically whenever said contact element is released by a breakage of its supporting thread.

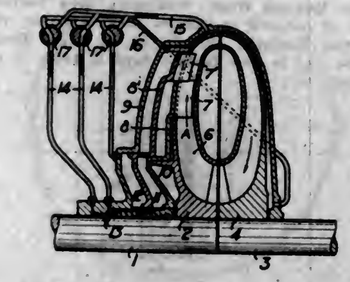
1,627,293. VACUUM TANK. CHARLES S. NELSON, Cocolalla, Idaho. Filed Oct. 23, 1926. Serial No. 143,626. 1 Claim. (Cl. 103—236.)

The combination with a vacuum tank having a tubular casing connected with the suction pipe and a second tubular casing connected with an air vent pipe, and ports in said casings, of a pivoted rock arm within the vacuum tank having a suction valve and an air vent valve at its opposite ends for co-action with said ports, a bell crank lever and an overbalancing spring therefor, a float op-



eratively connected to said bell crank lever, and a pair of spaced arms on said lever for co-action with the rock arm.

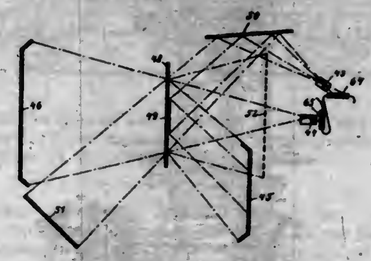
1,627,294. HYDRAULIC POWER-TRANSMISSION MECHANISM. ANTHNOR NYDQVIST, Trollhattan, Sweden. Filed Oct. 15, 1924, Serial No. 743,730, and in Sweden Oct. 13, 1923. 2 Claims. (Cl. 60—54.)



1. In a fluid device, a casing, blade wheels in said casing, a fluid channel in said blade wheels, blades on said wheels having a concentric annular series of loose blade sections, individual members carrying each of said loose blade sections, said members being movable axially independently of each other and formed as pistons to enable displacement thereof by means of a pressure medium.

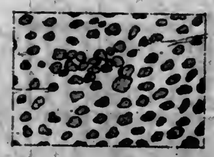
1,627,295. METHOD AND APPARATUS FOR MAKING COMPOSITE MOTION PICTURES. EUGEN SCHÜFTAN, Berlin-Wilmersdorf, Germany. Filed July 6, 1925. Serial No. 41,861, and in Germany Apr. 29, 1924. 9 Claims. (Cl. 88—16.)

1. An apparatus for taking composite motion pictures of a plurality of sets or scenes comprising a pair of objectives for respectively forming images of complementary portions of the set or scenes, a transparent member having a portion of the surface thereof provided with an opaque reflecting surface and located between a set or scene and one of the objectives so that a portion of the last-mentiontd set or scene may be imaged by the objective directly through the transparent member, the opaque reflecting surface masking the remaining portion of the set or scene, a mirror across the axis of the other objective and so disposed relative to the second objective, the opaque reflecting surface, and the other set or scene that light rays from the last-mentioned set or scene will be reflected successively by the opaque re-



flecting surface and the mirror along the axis of the second objective to provide a complementary image of the second set or scene, and means for moving the frames of a sensitive film in photographic relation with the images of the sets or scenes so that both the images of the sets or scenes will be registered in complementary relation on each frame of the film.

1,627,296. PLASTIC COMPOSITION PRODUCT AND METHOD OF PRODUCING ARTICLES OF MANUFACTURE. ALGER J. SLOSSER, Williamsport, Pa., assignor to Pompeian Flooring Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed Apr. 20, 1926. Serial No. 103,330. 6 Claims. (Cl. 18—48.8.)

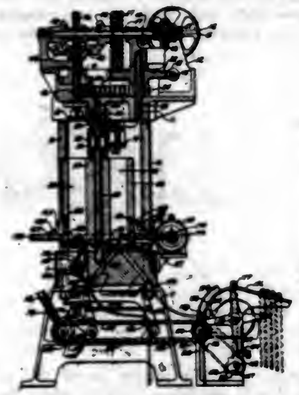


4. The herein described method of producing a composition flooring or other article of manufacture, characterized by mixing together a vegetable fibrous material, fibred asbestos and caustic calcined magnesia in relative proportions of approximately 45, 30 and 25 per cent by weight respectively of the mixture and adding slowly thereto a liquid binder solution of magnesium chloride in sufficient quantity to produce a plastic mass composed almost entirely of soft concretions or lumps of the fibrous materials, spreading or moulding the mass into the desired form, allowing the same to set and harden and then treating the surface thereof, substantially as described.

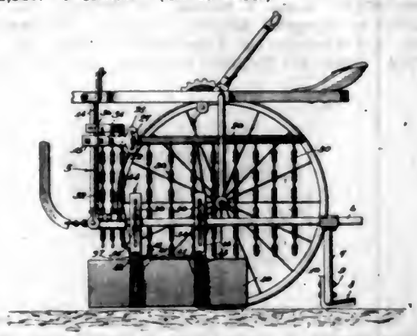
1,627,297. MACHINE FOR MAKING MACARONI. CARMINE SURICO, New York, N. Y., assignor to Clermont Machine Co., Inc., New York, N. Y. Filed Dec. 19, 1923. Serial No. 681,532. 29 Claims. (Cl. 107—14.)

3. In a mechanism of the character described, a container having a plurality of compartments adapted to receive the dough, said container being suitably mounted to permit its rotation about an axis falling between said compartments, a detacnable bottom for said container having a portion adapted to assist in packing the dough in a compartment and a die portion adapted to have the dough pressed through it, said mounting further permitting said container to be reciprocated into contact with

and away from said bottom, means for effecting said reciprocations, and means for effecting said rotation for interchanging the positions of the compartments relatively to the bottom, said reciprocating means being adapted automatically to actuate the rotational means when the container is away from said bottom.



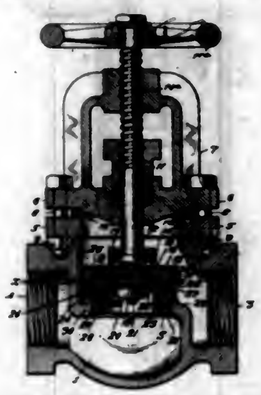
1,627,298. ATTACHMENT FOR CULTIVATORS. JAMES BUFORD VAUGHAN, Lacy Springs, and JOHN TERRELL, Taylorsville, Ala. Filed Mar. 1, 1926. Serial No. 91,510. 7 Claims. (Cl. 43—133.)



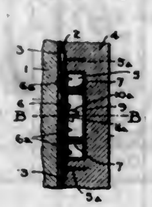
2. A cultivator attachment comprising a beam, brackets having vertical portions formed with slots arranged adjacent said beam, bolts extending through said slots and engaging said beam and having fastening nuts adjustably connecting the brackets to the beam, said brackets being provided with horizontally disposed slotted portions, straps adjustably connected to said horizontally disposed slotted portions, and troughs having attaching member provided with laterally projecting branches adjustably connected to said straps, said troughs being adjustable longitudinally and transversely of said cultivator.

1,627,299. LIFTING VALVE. WYLIE GEMMEL WILSON, Elizabeth, N. J., assignor to Loose Seat Valve Company, Dover, Del., a Corporation of Delaware. Filed Jan. 6, 1926. Serial No. 79,571. 1 Claim. (Cl. 251—25.)

In a valve, the combination with a dense, slightly elastic, valve port sealing annulus of united laminæ and which annulus has a projecting sealing surface composed of laminæ edges between adjacent, tapering laminæ edges and which annulus also has clampable surfaces one adjacent each tapered laminæ edge portion; the tapered laminæ serving, when in use, to sustain one another and also to sustain the laminæ edges in the sealing surface, and then also serving as spacers to hold the sealing surface edges apart from clamping means for engaging said clampable surfaces; one of said clampable surfaces being a peripheral wall portion and the other being an interior, conical portion of the annulus; of a carrier for the annulus, said carrier having an annular recess, the circular wall of which is in contact with said peripheral wall portion of the annulus; an annulus clamping plate having a conical wall engaging the interior conical portion of the annulus and means for holding the clamping plate in place and compressively against said interior conical portion of the annulus.



1,627,300. STOP FOR SLIDING WINDOW SASHES. GEORGE EDMOND WOOD, Wellington, New Zealand, assignor of one-half to Charles Richard Lamb, Wellington, New Zealand. Filed Aug. 2, 1924, Serial No. 729,830, and in New Zealand Sept. 5, 1923. 3 Claims. (Cl. 292—74.)



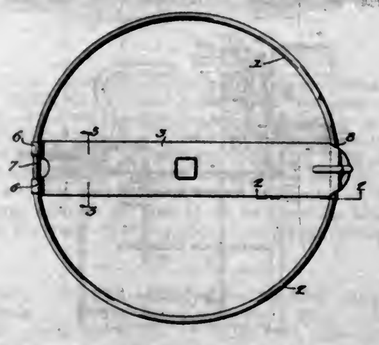
2. Stop means for window sash and the like, comprising, a recessed slidable member to be vertically positioned, a rack in the recess, a fixed member slidably receiving the slidable member, resiliently controlled detent means carried by the fixed member and coacting with the rack, the rack comprising a strip of material having alternate wide and narrow socket and projection portions, the plunger means including a plate positioned opposite the rack, resilient means biasing the plate toward the rack, and rounded detents on the plate and contacting with the rack.

1,627,301. SCREW DRIVER. GLEASON WOOD, Waltham, Mass. Filed Sept. 2, 1924. Serial No. 735,327. 2 Claims. (Cl. 145—52.)

2. A gripping screw driver comprising a shank reduced in one end to form a screw driver blade and having in one side a groove transverse to such blade, which groove extends to the extremity of and subdivides the blade, a gripper piece fitted freely in said groove and having a projection on its inner edge adapted to bear against and rock on the bottom of said groove, the extremity of said gripper having an outline conforming to the outline of the blade in cross section and adapted to coincide therewith, a band surrounding said shank and interlocked with the gripper approximately in the same plane with said fulcrum projection, and means for rocking the gripper about said projection.



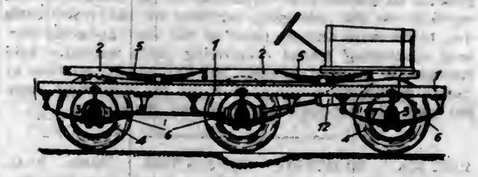
1,627,302. ICE-CREAM FREEZER. WILLIAM E. WRIGHT, Philadelphia, Pa., assignor to Acme Can Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 1, 1925. Serial No. 59,958. 4 Claims. (Cl. 220—31.)



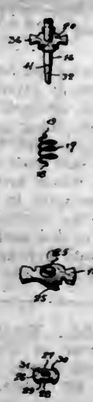
1. In an ice cream freezer, the combination of a sheet metal bucket which is circular in horizontal section and which has an outward projecting beaded top edge, the said bucket having two hinge slots at one side and the said bead being straight for a short distance adjacent the said slots and for a short distance diametrically opposite the said slots, and a cross-bar provided with hinge portions at one end engaging the first said straight portion of the bead and entering the said slots, the said cross-bar having a spring latch portion at the other end adapted to engage the other straight portion of the bead.

1,627,303. POWER-DRIVEN VEHICLE. HEINRICH ZOELLY, Zurich, Switzerland. Filed June 8, 1926, Serial No. 114,464, and in Switzerland June 13, 1925. 3 Claims. (Cl. 180—22.)

1. A power-driven vehicle, comprising a rigid lower frame, an upper frame, a device for driving the vehicle arranged on said upper frame, resilient means connecting the two frames in the vertical direction, at least three wheel axles mounted by the interposition of springs on said lower frame to allow for play of the axles in the upward direction when the vehicle travels over rising parts in the ground, and means to prevent a downward movement of the axles when the vehicle travels over depressions in the ground.

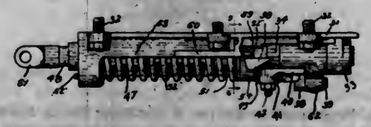


1,627,304. ELECTRIC SWITCH. CARL ERIC ANDERSON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 11, 1923. Serial No. 662,096. 2 Claims. (Cl. 173—354.)



1. An electric switch comprising a rotary spindle, a sheet metal washer rotating therewith and having circumferentially spaced notches in its periphery, in combination with a sheet metal switch bar mounted freely on the spindle for displacement in axial direction and for rotation on said spindle, said switch bar having a surface normally resting against the face of the washer, portions of said surface being warped toward the washer and into the peripheral notches in the latter and bearing against the following margins of said notches together with a spring stressing the switch bar toward the washer and serving to impart a forward throw to the switch bar after predetermined rotation of the spindle to cause longitudinal displacement of the switch bar thereon incident to the engagement of said warped surfaces in the notches of the washer.

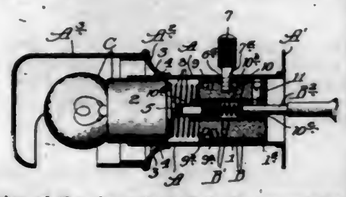
1,627,305. LOAD-ADJUSTED BRAKE MECHANISM. CHARLES O. ANDERSON, Omaha, Nebr. Filed July 26, 1926. Serial No. 125,024. 11 Claims. (Cl. 188—195.)



1. The combination with air-brake mechanism for a railway car, and power-adjusting means operable to vary the braking power of said brake-mechanism, of an

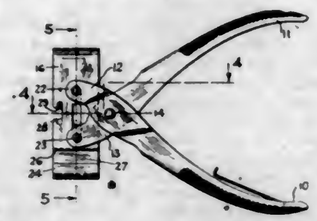
actuating member for said power-adjusting means, means limiting motion of said actuating member, and means connected with said actuating member and movable oppositely in direction by variations in the relation of the car-body to the unsprung portions of the truck-frame due to increase and decrease of the load upon the car, said connecting means comprising parts normally held frictionally in fixed relation but variable in relation by excess movement tending to move the actuating member past the motion-limiting means therefor.

1,627,306. ELECTRIC CONNECTER. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1921. Serial No. 497,099. 1 Claim. (Cl. 173—346.)



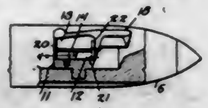
A device of the character set forth, comprising a shell equipped at one end with an attaching flange adapted to be secured to a dash and equipped at the other end with bayonet slots, said shell being provided intermediately with a cam-slot having an offset or recess at its forward end, a slidable plug in said shell equipped with a laterally projecting handle whose stem is movable in said slot, a spring contact mounted in said plug and adapted to make contact with the terminal of a lamp or plug entered in the free end of said shell, and a spring secured to the end portion of said first-named plug and adapted to retract the plug and break the circuit.

1,627,307. HAND TOOL. WILLIAM A. BERNARD, New Haven, Conn., assignor to The William Schollhorn Company, New Haven, Conn. Filed Jan. 31, 1921. Serial No. 441,330. 16 Claims. (Cl. 81—15.)



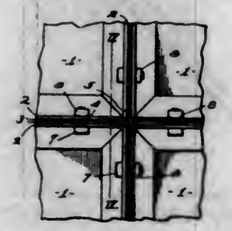
1. In a hand tool, a pair of operating handles, a pair of jaws respectively pivoted thereto to be operated thereby, each of said jaws having a looped portion to receive an edge portion of the other jaw.

1,627,308. THREADING DEVICE FOR SHUTTLES. ANSELME BERNIER, Biddeford, Me. Filed Mar. 23, 1926. Serial No. 96,813. 4 Claims. (Cl. 139—212.)



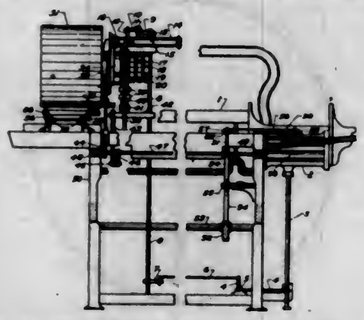
1. A loom shuttle having a chamber for a filling carrier, a thread delivery eye, a channel extending longitudinally of said shuttle leading to said eye, and means located in said channel for placing the thread under tension and preventing the passage of bunches and knots to said eye, said last named means embodying a transverse plate having a vertical narrow thread guiding slot of uniform width and opening through the upper edge of the plate, said plate being mounted in the inner end portion of said channel, and a narrow vertically elongated loop open at its upper end and rigidly mounted in the outer end portion of said channel for guiding and frictional engagement with the thread in its passage to the eye.

1,627,309. LEAK-TIGHT SECTIONAL TANK. EDWARD F. BLACK, Tulsa, Okla., assignor to Black, Sivalls & Bryson Mfg. Co., Kansas City, Mo., a Corporation of Delaware. Filed Oct. 25, 1926. Serial No. 143,930. 5 Claims. (Cl. 220—46.)



1. A compressible gasket of angular form, the arms of the gasket being tapered toward their free extremities.

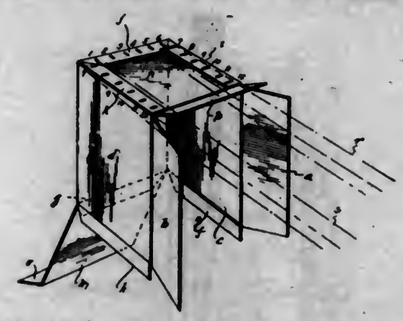
1,627,310. WEFT-REPLENISHING MECHANISM FOR LOOMS OF MORE THAN ONE SHUTTLE. EDWARD ARGEL BLACKSTON, Raleigh, N. C., assignor to Lovic Rogers Gilbert, Raleigh, N. C. Filed Oct. 13, 1924. Serial No. 743,339. 32 Claims. (Cl. 139—232.)



1. A stationary circular magazine or battery for filling-carriers or bobbins having a series of two or more annular spaces and consisting of a stationary cylindrical cover, a series of two or more stationary cylindrical dividing-walls and stationary circular flange having a central bearing therein, concentric shafts rotatable in the said bearing, means carried by the several shafts for moving bobbins in the respective annular spaces, a plurality of doors to permit bobbins to be placed in said battery and to assist in holding said bobbins in position, and a plurality of stationary plates to assist in holding said bobbins in place, substantially as shown and described.

1,627,311. METHOD OF ASSEMBLING FIBER SHIPPING CASES. HERBERT R. BLISS, Niagara Falls, N. Y., assignor to Bliss Containers, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed Dec. 20, 1923, Serial No. 681,709. Renewed Nov. 4, 1926. 5 Claims. (Cl. 93—42.)

1. The method of assembling a shipping case constructed of three blanks comprising two end blanks and a single body blank the latter including two side walls with an intervening bottom wall and all three walls having end flaps at their ends, which comprises the simultaneously securing the two end blanks to the flaps at the ends of the bottom wall, second, folding the body blank to bring



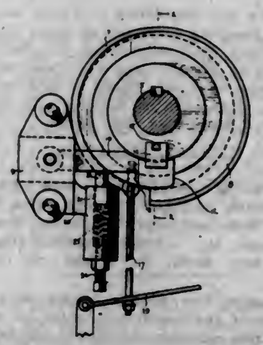
the side walls in parallelism and simultaneously securing the end flaps of two of the side walls to one end blank, then third, simultaneously securing the remaining two end flaps of the two side walls to the other end blank.

1,627,312. AUTOMATIC SAFETY CUT-OFF FOR GAS VALVES. CHRISTIAN BLUST, St. Albans, W. Va. Filed Dec. 19, 1925. Serial No. 76,491. 7 Claims. (Cl. 67—115.)



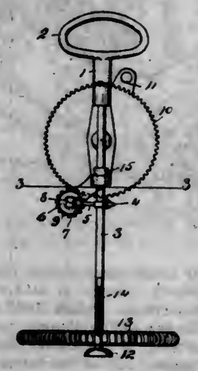
1. In an automatic safety valve for gas burners, a valve casing, an apertured valve seat at one end of the casing, and a tensioned valve having a central opening slidable in the casing, adapted to be held unseated by the flow of gas through the casing and adapted to be spring seated when the flow of gas is reduced to close the seat apertures, said seat being of conical formation with the apertures adjacent the base of the cone and the adjacent end of the valve having a conical socket to receive the seat.

1,627,313. SAFETY CLUTCH-RELEASING DEVICE. THOMAS A. BOWE, Milwaukee, Wis. Filed Dec. 10, 1925. Serial No. 74,553. 1 Claim. (Cl. 192—25.)



A clutch releasing device; comprising a shaft, a fly wheel mounted loosely thereon and formed with a recess therein; a second wheel keyed to said shaft and formed with a cam groove therein, a spring urged, slidable pin mounted transversely through said second wheel and engageable with said fly wheel recess, a pivotal latch engageable with said pin, and manual means for moving the latch out of engaging position; said cam groove being arranged to return the latch to engaging position.

1,627,314. EGG BEATER. OLIVER R. BOYNTON, Kansas City, Mo. Filed Oct. 5, 1925. Serial No. 60,490. 4 Claims. (Cl. 259—128.)



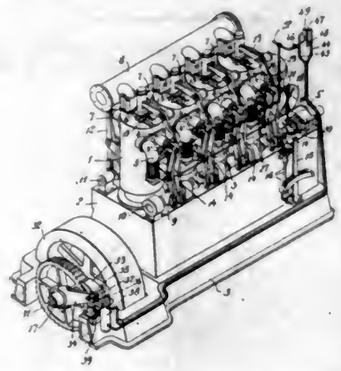
1. In an egg beater, bearing means having a handhold, a rock shaft oscillatable on and supporting said bearing means and having a crank arm, a beater comprising an annular wire helix encircling said shaft, and an arm secured to said helix and to said shaft, and means for oscillating said crank arm.

1,627,315. BEATER OR MIXER. OLIVER R. BOYNTON, Kansas City, Mo. Filed Oct. 5, 1925. Serial No. 60,491. 1 Claim. (Cl. 259—132.)



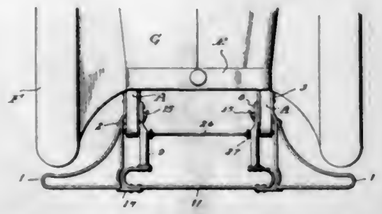
In a beater or mixer of the kind described, two rotary members one revoluble around the other, means for simultaneously rotating said members in opposite directions, two concentric annular wire helices adjacent to each other, and arms respectively attached to said helices and extending obliquely upwardly from the tops of to and respectively fastened to said rotary members.

1,627,316. REVERSIBLE INTERNAL-COMBUSTION ENGINE. FRANK T. CABLE, New London, Conn., assignor to Electric Boat Company, Groton, Conn., a Corporation of New Jersey. Filed Mar. 18, 1924. Serial No. 699,975. 5 Claims. (Cl. 60—16.)



1. An internal combustion engine comprising at least two engine cylinders, pistons in said cylinders, a crank shaft having two cranks spaced 180° apart, means for connecting the cranks to the pistons, means for reversing said engine including a reversing shaft, fluid starting means for said engine, means for forcing the crank shaft away from a position near its dead center position including fluid pressure connections for simultaneously admitting compressed fluid to the two cylinders of the engine having the pistons connected to the cranks spaced 180° apart, whereby said pistons are brought into substantially the same horizontal plane and the engine adapted to be started in either direction.

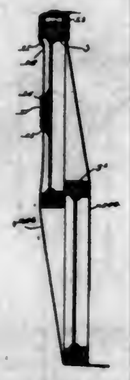
1,627,317. COMBINED BUMPER AND JACK. BURTON K. COX, Jacksonville, Fla. Filed Oct. 5, 1926. Serial No. 139,661. 20 Claims. (Cl. 293—55.)



1. A combined bumper and jack for vehicles, comprising arm members pivotally mounted on the vehicle frame and swingable from vertical to horizontal position, a bumper bar, posts carried by the bumper bar and slidable with respect to said arms, and means for moving said posts longitudinally.

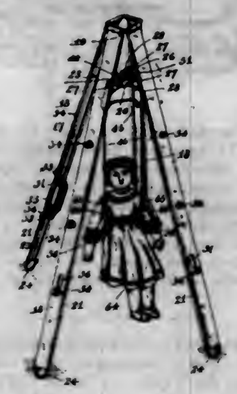
1,627,318. WINDOW-CLEANING DEVICE. HANLEY M. DAVIS, Cambridge, Mass. Filed May 29, 1925. Serial No. 33,722. 1 Claim. (Cl. 15—220.)

A window-cleaning device comprising a housing substantially U-shaped in cross section and constructed and arranged to fit over the top of a window sash, the lower edge of the outer side of said housing being bent inward toward the window pane, transverse rollers mounted in said housing and adapted to engage the top of a window sash, longitudinal rollers mounted in said housing, a flexible band disposed within said housing, the horizontal portion thereof resting on said longitudinal rollers and vertical portions thereof depending inside and outside the window, respectively, the outside vertical portion passing



under the window sash and terminating inside the window, and a swab detachably secured to the portion of said band depending outside the window.

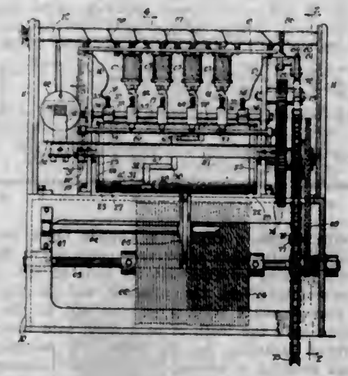
1,627,319. TOY. JOHN DELLINGER, Buffalo, N. Y. Filed May 17, 1924. Serial No. 714,176. 16 Claims. (Cl. 46—87.)



1. A foldable toy comprising a frame having a plurality of legs pivotally connected at their upper ends to swing toward and from each other, and slab-supporting rails supported by aljacent legs and spanning the space between the same when said frame is unfolded, said rails being adapted to be inserted between said legs through the upper end of said frame when folded.

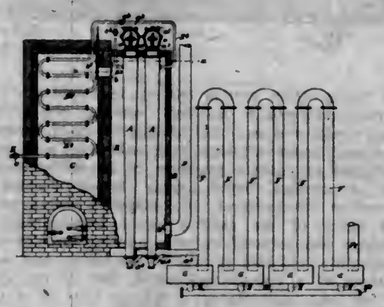
1,627,320. FLOOR SELECTOR FOR ELEVATORS. JAMES DUNLOP, Chicago, Ill., and JOHN F. CLANCY, East Troy, Wis., assignors to Kaestner & Hecht Company, Chicago, Ill., a Corporation of Illinois. Filed June 29, 1925. Serial No. 40,206. 26 Claims. (Cl. 187—29.)

15. An elevator floor selector having, in combination, a base, a pair of end brackets mounted on said base, a commutator drum rotatably mounted in said brackets, said commutator drum having a pair of contact plates separated by a longitudinal space and a zig-zag space of transverse sections and longitudinal sections, contact members arranged in two rows and in pairs aligned respectively with said longitudinal sections for movement toward and from said contact members, a like number of relays for selectively actuating said contact members, and means for rotating said drum in timed relation to



the movement of the cage, the perpendicular distance between two successive longitudinal sections being equal to twice the distance between the contact members of each pair and corresponding to a movement of the cage through two floors.

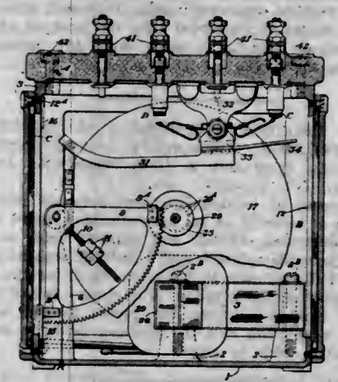
1,627,321. PROCESS FOR THE DESTRUCTIVE DISTILLATION OF SOLID CARBONACEOUS MATERIALS. PAUL DVORKOVITZ, London, England. Filed Oct. 16, 1922, Serial No. 594,865, and in Great Britain Nov. 17, 1921. 3 Claims. (Cl. 202—16.)



1. A process for recovering light oils of the paraffin series from solid carbonaceous material, which comprises heating an elongated upright carbonaceous mass of relatively small cross sectional area on the one hand by external gases which are hottest at the upper end and pass downward around the mass and on the other hand by downwardly drafted internal carrier gas at elevated temperature, the heating of the mass being so regulated as to drive off therefrom substantially only the desired oils of the paraffin series, and leading off from the bottom of the mass to a condenser the carrier gas and the entrained vapor of the paraffin oil.

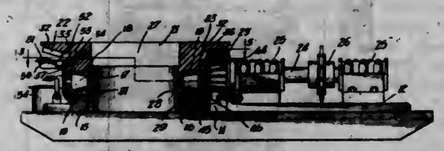
1,627,322. ELECTRICAL RELAY. ROBERT M. GILSON, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1922. Serial No. 603,943. 1 Claim. (Cl. 200—91.)

A relay comprising a metal frame, a top plate of insulating material, a metal contact-operating bar pivotally supported from said top plate, a motor and reduction gearing supported by said frame, a connection between said gearing and said bar including a link made



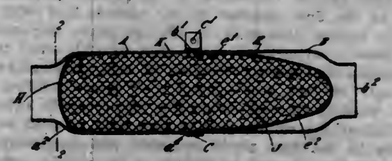
up of two parts electrically insulated from each other, and an electrical connection from said bar to said metal frame.

1,627,323. ROTARY TABLE. EDWIN W. GOEBEL and WILLIAM D. DAVIDSON, Los Angeles, Calif., assignors, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 13, 1924. Serial No. 698,895. 8 Claims. (Cl. 255—23.)



1. In a rotary, the combination of: a base member having a central opening therethrough; a table; bearing means supporting said table on said base; a hold down bracket fitting upon a bearing formed on the periphery of said table; a lip extending inwardly from said hold down bracket and engaging a shoulder formed on said table in such a manner as to limit any upward movement of said table away from said base, said hold down bracket completely surrounding and enclosing said bearing means; and means for rigidly securing said hold down bracket to said base.

1,627,324. SILENCER FOR GASEOUS CURRENTS. ARCHIBALD HEWLETT GREEN, London, England, assignor to The International Silencer Company (1926) Limited, County of London, England, a British Company. Filed July 27, 1926, Serial No. 125,215, and in Great Britain June 12, 1925. 3 Claims. (Cl. 137—160.)



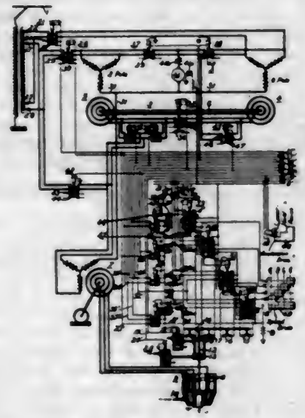
1. In a silencer for gaseous currents, comprising a body portion built of readily detachable sections, said body portion having a reduced neck at each end, and a filling consisting of a permeable homogenous tangled mass

of very narrow and thin ribbons of flexible metallic material enclosed in a metal bag made of foraminous reticulated sheet material adapted to fit bodily into the said body portion, the combination therewith of a rigid perforated metal cup inserted into the neck at the end of said body at which the gases enter, the convex side of said cup facing the incoming gases.

1,627,325. PROCESS OF MAKING A STABLE HYDROGEN PEROXIDE. ARTHUR L. HALVORSEN, Perth Amboy, N. J. Filed July 2, 1921. Serial No. 482,170. 7 Claims. (Cl. 23—207.)

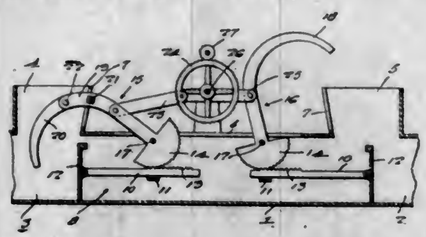
1. A process of making hydrogen peroxide consisting in feeding a peroxide of an alkali-forming metal into a mixture containing alcohol and sulfuric acid, to form hydrogen peroxide solution and a sulfate, separating the sulfate and the solution by filtration, distilling the major part at least of the solution in a single operation and separately condensing from the vapors formed in such operation, a solution rich in hydrogen peroxide and another solution rich in alcohol.

1,627,326. FREQUENCY-CHANGING AGGREGATE. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 6, 1923. Serial No. 655,900. 22 Claims. (Cl. 172—281.)



1. The combination with a plurality of alternating current systems, at least one of said systems being polyphase, a frequency-changing set for connecting said systems, said set comprising a pair of mechanically connected induction-machine units of different pole numbers, means for, at times, connecting said units in cascade with the first system connected to the larger-pole-number unit as the first member of the cascade and with the second system connected to the cascade connections, means for, at other times, connecting said units in cascade with the first system connected to the smaller-pole-number unit as the first member of the cascade and with the second system connected in reverse phase sequence to the cascade connections, means for, at still other times, connecting the primary winding of said larger-pole-number unit to said first system and short-circuiting the other winding thereof, connecting the formerly cascaded winding of the smaller-pole-number unit to said second system in the first phase sequence and energizing the other winding thereof to produce a backwardly rotating field corresponding to the line frequency of the first system, the direction of rotation of the set being unchanged throughout, and switching means for ensuring the concurrent completion and discontinuance of the several connections as specified.

1,627,327. DUPLEX BALING PRESS. MANUEL HICKMAN, San Juan, Tex., assignor of one-third to Percy M. Perkins, McAllen, Tex. Filed Mar. 9, 1925. Serial No. 14,202. 1 Claim. (Cl. 100—3.)



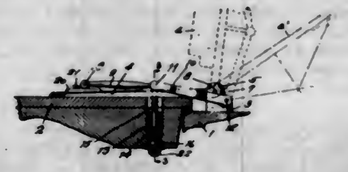
In a baler press, a casing, a hopper upon the casing, a longitudinally slidable plunger mounted in the casing, a lever pivoted intermediate its ends on the casing, a stem extending from the plunger and having rack teeth, a gear segment formed on one end of the lever and meshing with the teeth of said rack, said lever having a curved extension at its other end entering the hopper and forming a tamper, a rotatable member, and a link eccentrically and pivotally engaged with the rotary member and pivotally engaged with the lever between the pivots thereof and the gear segment.

1,627,328. REFRIGERATION SYSTEM. GEORGE HILGER, Chicago, Ill. Filed Oct. 12, 1925. Serial No. 61,878. 10 Claims. (Cl. 62—104.)



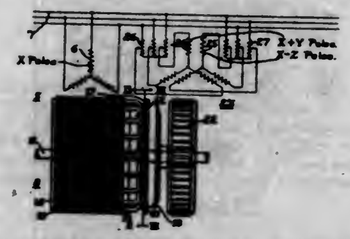
1. A refrigeration system having, in combination, an elongated horizontally disposed cooling compartment having an inlet and an outlet at opposite ends, a storage compartment communicating with said inlet and outlet and adapted to contain products to be refrigerated, a source of cooling liquid, spray means located in said cooling compartment and disposed so as to direct a spray of the cooling liquid longitudinally of the cooling compartment thereby inducing circulation of the cooled air into said storage compartment, and means maintained at a temperature below that of the spray-cooled air and maintaining a cooling zone at a point spaced a substantial distance from said spray means, the last mentioned means normally acting to further cool the air and to effect a separation of mist therefrom before it comes in contact with said products.

1,627,329. HINGE FOR DOORS. CLEMENT V. HILL, Trenton, N. J. Filed Aug. 1, 1925. Serial No. 47,577. 7 Claims. (Cl. 16—80.)



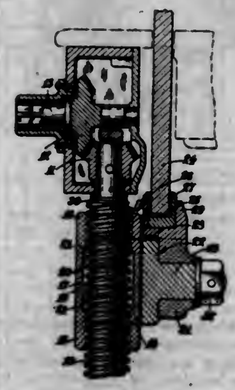
1. In a door hinge and closer, a stationary hinge member adapted to be secured to the door jamb, a swinging hinge member pivoted to the first-named hinge member and adapted to be secured to the door, a pair of toggle levers pivotally connected at their inner ends to each other and at their outer ends to the hinge members respectively, and a closing spring acting upon said toggle levers, the toggle lever pivoted to the stationary hinge member being movable from side to side of said member beyond opposite sides of the pivotal connection between the hinge members.

1,627,330. VARIABLE-SPEED SQUIRREL-CAGE MOTOR. HARRIS D. HIKELINE, Akron, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,675. 25 Claims. (Cl. 172—274.)



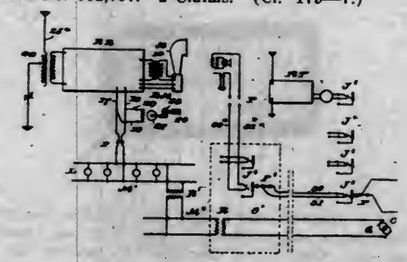
1. A variable-speed induction-motor set comprising a main induction motor having primary and secondary windings, an auxiliary machine having the same pole-number as said main motor, said auxiliary machine being electrically connected to said secondary windings and mechanically connected to said main motor, and an induction machine electrically connected to the supply line and mechanically connected to said auxiliary machine, said induction machine having a synchronous speed different from that of said auxiliary machine, said auxiliary machine having a member rotating at a substantially constant speed relative to the stator of said induction machine.

1,627,331. SCREW AND NUT ACTUATING MECHANISM. CHARLES EDWARD HIRST, London, England, assignor to Beckett, Laycock & Watkinson Limited, London, England, a British Company. Filed Jan. 3, 1925. Serial No. 456, and in Great Britain Feb. 6, 1924. 2 Claims. (Cl. 268—133.)



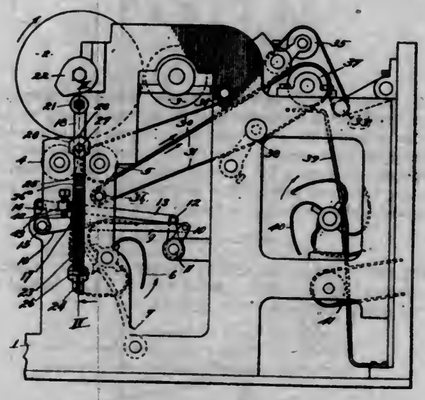
1. The combination of a frame, a window slidable therein, a screw-threaded shaft journaled in said frame, an actuating nut displaceable on said shaft and operatively connected with said window, and means for rotating the shaft, said nut having a lubricant reservoir therein.

1,627,332. RADIOPHONE METER. JAMES B. HOGE, Cleveland, Ohio, and EDWARD E. CLEMENT, Washington, D. C., assignors, by direct and mesne assignments, to Edward F. Colladay, Washington, D. C. Original application filed Sept. 8, 1922, Serial No. 586,482. Divided and this application filed Aug. 18, 1924. Serial No. 732,797. 2 Claims. (Cl. 179—7.)



1. In a system of the class described, a central power distributing station and a current supply circuit extending from said power station to consumer stations, a consumer station connected with said supply circuit, permanently connected outlets from said circuit in said consumer station, power translating devices adapted to be connected through said outlets to supply circuit, a radio receiving set at said consumer station having an energizing circuit, a time use meter, and a meter motor with a driving circuit therefor, switch terminals connected to both said energizing circuit and to said meter motor circuit, forming a single inseparable terminal unit adapted to be connected to and disconnected from said outlet terminals at will, whereby the radio receiving set is normally entirely disconnected from said power supply circuit, and cannot be connected thereto for power supply for its operation without also connecting and operating its meter motor to record its time use.

1,627,333. ATTACHMENT FOR PAPER-FOLDING MACHINES. FRANK E. JAMISON, Kansas City, Kans. Filed Mar. 8, 1926. Serial No. 93,125. 3 Claims. (Cl. 271—64.)



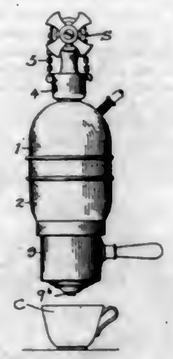
1. The combination with a delivery mechanism, of a switch arranged to intercept the path of delivery of said mechanism, a reciprocating bar, yielding means to advance the bar in one direction, a cam driven in timed relation to the delivery mechanism to move the bar in the other direction, a connection from said bar to operate the switch, and manually operable means to maintain the bar from contact with said cam.

1,627,334. DRY CELL. GEORGE M. LITTLE, Pittsburgh, and JAMES G. FORD, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 21, 1923. Serial No. 682,072. 15 Claims. (Cl. 136—107.)



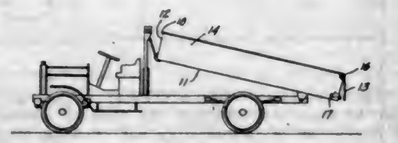
1. In a primary cell, a rigid core member, comprising an electrolyte and a depolarizer, an electrode embedded in the core member, an electrode surrounding the core member and means for maintaining uniform pressure on all sides of the core.

1,627,335. ELECTRIC WATER HEATER. BENJAMIN MIDULLA, New York, N. Y. Filed May 21, 1925. Serial No. 31,936. 8 Claims. (Cl. 53—3.)



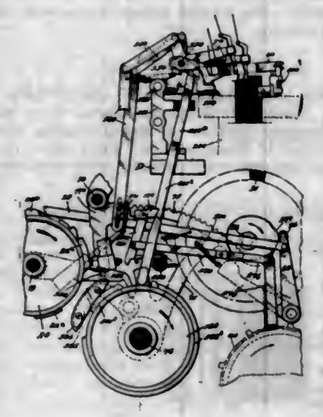
1. An apparatus of the character specified, comprising a casing having an inlet plug in its upper end, and an outlet plug in its lower end; a coil within said casing having its ends connected with the inlet and outlet plugs respectively; means for heating said coil; means for connecting the inlet plug with a source of liquid supply; and a percolator detachably connected with the outlet plug.

1,627,336. SELF-CLEANING DUMP BODY. EMIL A. NELSON, Detroit, Mich. Filed Nov. 8, 1926. Serial No. 147,062. 3 Claims. (Cl. 296—1.)



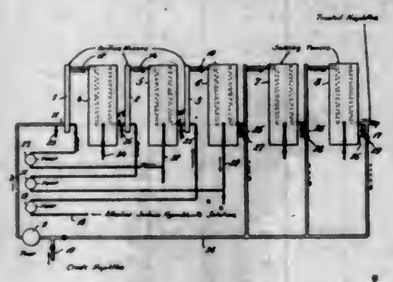
1. A self cleaning dump body having side walls inwardly inclined to the floor thereof by an amount increasingly approaching right angles from front to rear.

1,627,337. CIRCULAR-KNITTING MACHINE. ALBERT E. PAGE, Brooklyn, N. Y., assignor to Scott and Williams, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 12, 1925. Serial No. 62,089. 20 Claims. (Cl. 66—42.)



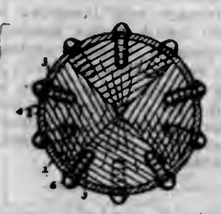
1. A circular knitting machine having a revolving needle cylinder and an intermittently revolving pattern means adapted to cause pattern control movements, in combination with means including an element revolving in time with the needle cylinder adapted to be effective for only the first revolution of the needle cylinder after a pattern control movement has been caused by said pattern means, said means being adapted to cause a pattern control movement at any desired point within that revolution.

1,627,338. REFINING OILS. HARRISON OAKS PARKER, Tulsa, Okla., assignor to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed June 18, 1925. Serial No. 37,888. 5 Claims. (Cl. 196—42.)



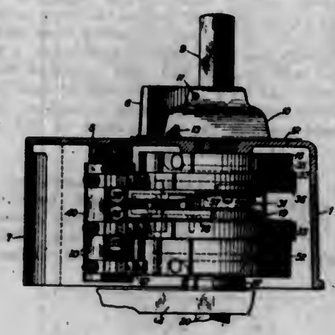
3. An improved method of refining hydrocarbon oils, which comprises flowing a stream of the oil through a succession of mixing and settling operations, supplying an alkaline aqueous solution of hypochlorite to one of the mixing operations wherein the hypochlorite is in part consumed, separating the resulting aqueous solution from the oil in the succeeding settling operation, supplying the resulting aqueous solution relative increased alkalinity to a mixing operation preceding that to which the aqueous solution is first supplied, and separating the aqueous solution from the oil in the succeeding settling operation.

1,627,339. BREAKING ROLLER. CLIFFORD H. RAMSEY, Glen Rock, N. J. Filed Sept. 20, 1926. Serial No. 136,715. 7 Claims. (Cl. 26—1.)



1. A peripherally studded cloth finishing roller including a yielding core, a relatively non-yielding shell fitted thereover and having stud-receiving holes therein, and studs driven into the core through the holes and left projecting beyond the periphery of the shell and supported in the holes by the shell against lateral displacement.

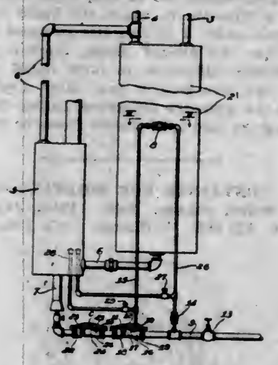
1,627,340. CONTROL APPARATUS. LYNN G. BILBY and HARRY R. MEYER, Wilkinsburg, HOWARD H. JOHNSTON, Edgewood Park, and JAN M. VAN NIEUKERKEN, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 17, 1920. Serial No. 381,980. 32 Claims. (Cl. 200—9.)



30. In a controller, in combination, a plurality of contact fingers, a rotatable drum for engaging the contact fingers, said drum having a plurality of contacting positions, a handle for operating the drum, said handle being disposed for movement relative to the drum and circuit-controlling mechanism comprising a switch disposed for operation when the handle is moved relative to the drum, and means actuated upon the movement of the drum to a predetermined contacting position to cooperate with the switch to effect the control of a circuit through the oscillation of the handle relative to the drum.

1,627,341. FUEL-CONTROL SYSTEM. GEORGE A. ROBERTSHAW, Greensburg, Pa. Filed Jan. 29, 1926. Serial No. 84,745. 11 Claims. (Cl. 236—30.)

1. In a fuel control, a burner, a diaphragm valve controlling the flow of fuel to the burner, and a second diaphragm valve for delaying the unrestricted passage of fuel from the first mentioned diaphragm valve to the

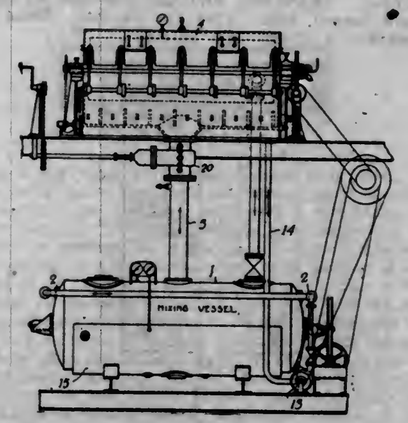


burner, said valves being connected in series and adapted to be both open while the burner is in operation, substantially as described.

1,627,342. PROCESS OF PRESERVING FOOD FOR MEN OR ANIMALS. THEODOR SABALITSCHKA, Berlin-Steglitz, Germany. Filed Apr. 8, 1925, Serial No. 21,694, and in Germany Apr. 17, 1924. 2 Claims. (Cl. 99—1.)

2. The herein described process of preserving food for men and animals, which consists in adding to the food p-oxy-benzoic acid methyl ester.

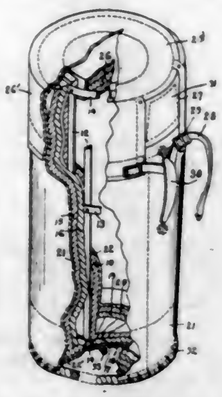
1,627,343. PROCESS OF AND APPARATUS FOR TREATING LIQUIDS WITH PURIFYING AND DECOLORIZING AGENTS. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed May 25, 1923, Serial No. 641,371, and in Germany May 26, 1922. 1 Claim. (Cl. 210—199.)



A process for purifying a liquid containing an absorbable impurity by means of a solid insoluble absorbent medium capable of being readily suspended in the liquid, which comprises agitating a bulk of the said liquid while carrying said solid in suspension and continuously separating the said solid from the purified liquid, preliminarily mixing such separated solid with a further amount of liquid to be purified in such proportions as to form a readily flowable fluid mass and continuously feeding

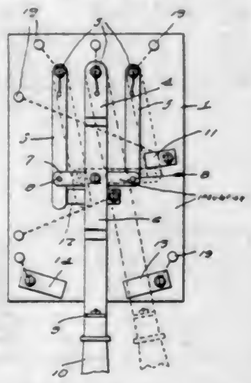
such fluid mass to the said bulk of liquid under agitation, while such continuous separation step is being effected, said continuous separation of said liquid and solid being effected by a filtration in which the liquid to be filtered is maintained under a hydrostatic pressure substantially higher than the filtered liquid, thereby producing a positive pressure difference to force liquid through the filter from the face side of said filter, and effecting a reversal of the pressure difference during the operation of separating the said solid matter from the filter surface.

1,627,344. CONTAINER FOR SHIPPING GOODS. ALLEN C. SCOTT, Omaha, Nebr. Filed July 21, 1926. Serial No. 123,888. 6 Claims. (Cl. 150—52.)



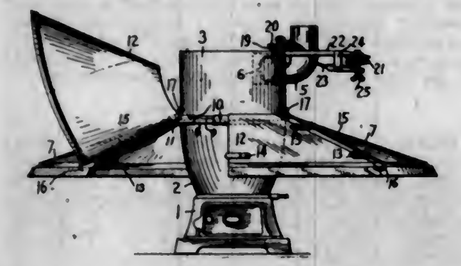
6. A shipping container comprising a felt body portion, a stiffening element disposed in said body portion and comprising a plurality of spaced apart slats arranged lengthwise of the body portion and flexible rings connecting said slats together.

1,627,345. TRANSFER SWITCH. VERNON W. SHERMAN, Detroit, Mich. Filed Apr. 20, 1926. Serial No. 103,285. 1 Claim. (Cl. 200—6.)



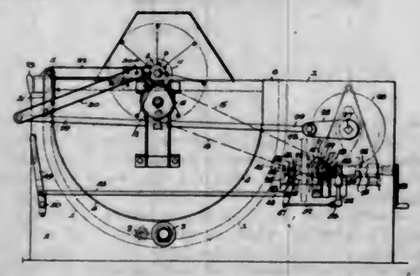
A switch, comprising a base plate, a plurality of posts mounted in transversely aligned relation adjacent one end of the base plate, a main switch blade pivotally mounted on one of said posts and having the opposite end projecting beyond the base, the central portion of said main switch plate being formed with an offset portion, supplemental switch blades of unequal length pivotally mounted on the remaining posts in spaced parallel relation with said main switch blade, all of said switch blades lying in the same horizontal plane in spaced parallel relation to the base plate, an insulating member pivotally mounted on the under side of the offset portion of the main switch blade pivotally connected at its ends to the end portions of the supplemental switch blades, operating means on the ends of the main switch blades operable through said insulating members for moving all of said switch blades simultaneously, and resilient contacts mounted in spaced predetermined relation on said base for independent circuit closing cooperation with each of said switch blades, said contacts being positioned in such a manner that each blade will successively engage or disengage its respective contacts relative to the engagement and disengagement of the remaining switch blades.

1,627,346. BROODER. ANDREW F. SHULER, Arcanum, Ohio; Mary M. Shuler and W. B. Shuler, executors of said Andrew F. Shuler, deceased, assignors to H. M. Sheer Company, Quincy, Ill. Filed Oct. 9, 1922. Serial No. 593,343. 2 Claims. (Cl. 119—32.)



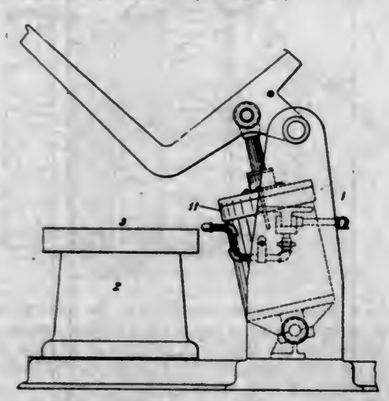
1. In a brooder, a heater, a hover having a continuous relatively narrow inner portion supported by said heater and having its outer portion cut away on one side thereof to form an opening extending from said inner portion through the outer edge of said hover, a movable closure for said opening, and rods connected with said inner portion and with the outer edge of said hover at the respective sides of said opening to support the outer edge of said hover at the lateral edges of said opening.

1,627,347. DYEING MACHINE. JAMES H. SKITT, Philadelphia, Pa., assignor to Smith, Drum & Company, Philadelphia, Pa., a Partnership consisting of Robert P. Smith and George E. Drum. Filed Feb. 27, 1924. Serial No. 695,530. 10 Claims. (Cl. 8—19.)



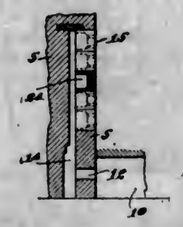
1. The combination with a vat, of a cage adapted to occupy a position within the vat and movable with respect thereto, an agitator carried by the cage, a single power source adapted to move the cage and to operate the agitator, separate clutches for respectively connecting the cage and the agitator with the power source, and means operatively connected with the cage for automatically interrupting the operation of the cage from the power source.

1,627,348. JOLT-ROLL-OVER MECHANISM. FREDERICK A. SEEMAN, Davenport, Iowa, assignor to Davenport Machine & Foundry Company, Davenport, Iowa, a Corporation of Iowa. Filed Mar. 2, 1925. Serial No. 12,612. 4 Claims. (Cl. 22—1.)



1. In a mechanism of the character described, a jolt table, roll-over mechanism, a perforated pipe arranged substantially at the level of the table top, the perforations being directed toward the upper surface of the table, means for supplying a fluid under pressure to the perforated pipe, means for controlling the flow of fluid through the pipe and means connected with the roll-over mechanism for automatically actuating the control means during the functioning of the apparatus.

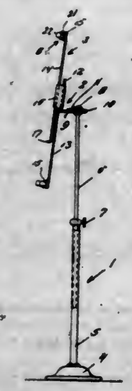
1,627,349. FURNACE WALL. BENJAMIN H. SNOW, Winchester, Mass., assignor to Bernitz Furnace Appliance Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 13, 1923. Serial No. 618,824. 8 Claims. (Cl. 110—75.)



1. In a furnace, a fuel support, fixed walls for confining the fuel on the support, said walls adjacent to the fuel bed being made of non-metallic refractory blocks, said blocks having enlarged interior air chambers open at the rear or exterior faces thereof, and a conical passage extending from each of said air chambers through the face of the block to the fuel bed and with the larger end of said passages on the side of the block remote from the air chambers.

1,627,350. SIGN HOLDER. SAUL STEINMAN, Shelton, Conn. Filed Mar. 20, 1926. Serial No. 96,241. 2 Claims. (Cl. 40—146.)

2. In a sign holder of the class described, a standard comprising a vertically adjustable rod having its upper end screw threaded, a sign holding frame, and a coupling between said frame and said rod, said coupling being in the form of a one-piece body of right angular form, one portion of the body being disposed in a horizontal plane and being formed with a screw threaded opening threaded on the upper end of said rod, and the



other portion of the body extending upwardly from the horizontal portion and being detachably connected with said frame.

1,627,351. PROCESS OF TREATING DISCARDED LEAD BATTERY PLATES. ALEXANDER STEWART, Roselle, N. J., assignor to C. L. Constant Company, Hoboken, N. J., a Corporation of New Jersey. Filed Sept. 30, 1926. Serial No. 138,810. 2 Claims. (Cl. 75—15.)

1. The process of treating discarded lead battery plates, which consists in heating to a molten condition the said plates directly with a dry salt capable of converting substantially all the peroxide of the paste portion thereof into a salt separable from the metallic portion of the plates.

1,627,352. BONDING RAILS. GEORGE E. THACKRAY, Westmont Borough, Pa. Filed Apr. 14, 1921. Serial No. 461,352. 1 Claim. (Cl. 173—278.)

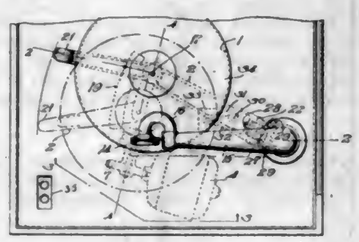


In a rail bond, a terminal of open hook form, one part or the upper portion of the hook of which is adapted to rest upon the upper surface of a rail flange, the other and lower portion of the hook being adapted to underlie the said rail flange and out of contact therewith, an opening or notch in the upper hook member of said terminal of less cross sectional area than that of said member in the plane of contact between it and the rail; metal of composition similar to that of said terminal and the rail deposited in a fused condition in said notch or opening while the adjacent metal of the terminal and rail are partially fused or heated, thereby securing the terminal to the rail, and a flexible cable electrically and mechanically secured within the lower portion of said hook-formed terminal.

1,627,353. CONSTANT-SURFACE-SPEED TALKING MACHINE. GEORGE M. THOMAS, Philadelphia, Pa. Filed Jan. 11, 1926. Serial No. 80,412. 6 Claims. (Cl. 192—119.)

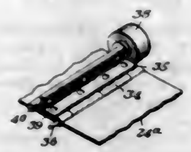
3. In a dervice of the character stated, a fixed tone arm including its sound box and needle, a laterally mov-

able arm, a turntable rotatably mounted with respect thereto and movable laterally therewith, friction means for driving said turntable, electrically operated means



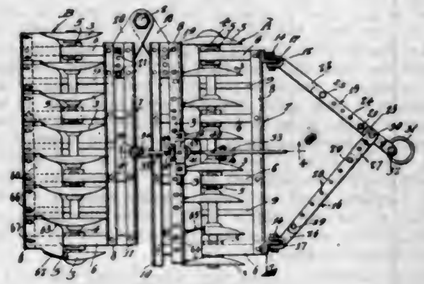
including a motor and a train of gear wheels for driving said friction means, and electrically operated means for stopping rotation of said motor.

1,627,354. CONVEYER. THORLEIF THORSTEN, Pittsburgh, Pa. Filed Apr. 11, 1924. Serial No. 705,753. 13 Claims. (Cl. 198—193.)



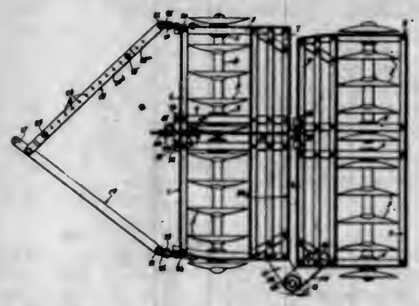
1. A conveyer, comprising a supporting structure having rollers mounted therein adjacent the ends thereof and having a track at each side extending longitudinally thereof between said rollers, a continuous endless belt of flexible material engaging said rollers, anti-friction means carried by said belt adjacent the edges thereof for engaging said tracks to support the upper stretch of said belt, the edges of said belt being otherwise free and unobstructed, and reinforcing means extending transversely of said belt at intervals and located wholly on the outer surface thereof, substantially as described.

1,627,355. DISK HARROW. HEBER F. TOWNER, Santa Ana, Calif. Filed Oct. 8, 1925. Serial No. 61,193. 5 Claims. (Cl. 55—83.)



1. A disk harrow comprising two gangs only in tandem relation, a rigid draft connection between the forward gang and the rear gang, the two gangs being held against relative vertical movement, a pair of draft connections, means for connecting the said draft connections to the forward gangs near the ends thereof at different levels.

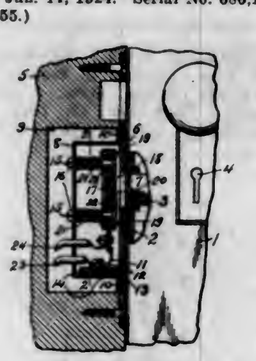
1,627,356. DISK CULTIVATOR. HEBER F. TOWNER, Santa Ana, Calif. Filed June 29, 1926. Serial No. 119,362. 24 Claims. (Cl. 55—83.)



3. In a single tandem disk harrow, the combination of a front gang of disks, a rear gang of disks, means pivotally connecting the front and rear gangs of disks at one end of the said gangs and at a point substantially midway between the said gangs.

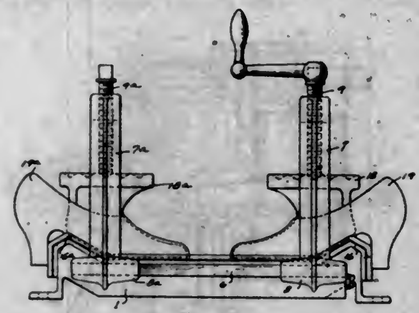
15. A harrow comprising two gangs only in tandem relation, means for pivotally connecting the said gangs together at one end at a single pivot, and a stay and back-up bar pivotally connected between the said gangs between the ends thereof.

1,627,357. ELECTRIC-CIRCUIT-CONTROLLING APPARATUS. JULIAN W. TOWNLEY, Kansas City, Mo., assignor of two-thirds to Lillie E. Weber, Kansas City, Mo. Filed Jan. 14, 1924. Serial No. 686,148. 1 Claim. (Cl. 200—55.)



In an apparatus of the kind described, a strike plate having a hole adapted to receive therein a bolt of a lock on a door, a pan shaped casing fastened to the inner side of the strike plate with its open side next the strike plate, two parallel horisontal bolts fastened at their inner ends to the inner side of the back of said casing at opposite sides respectively of said hole, two coil springs respectively mounted on said bolts and bearing against said casing, two insulation plates slidable on said bolts in front of and toward and from said hole, a conducting plate slidable on said bolts between and rigidly fastened to said insulation plates, and a contact plate fastened to the inner side of said casing and insulated therefrom in front of said conducting plate and adapted to be in contact therewith when the spring force said insulation and conducting plate forwardly, said bolts having heads which limit the forward movement of the insulation and conducting plates after contact between the conducting plate and said contact plate has been effected, the outer insulation plate being adapted to be struck by and forced inwardly by said bolt when the latter enters said hole.

1,627,358. APPARATUS FOR CEMENTING SOLES TO SHOE UPPERS. WILLIAM F. TRAUDT, Buffalo, N. Y. Filed Dec. 18, 1926. Serial No. 155,584. 9 Claims. (Cl. 12—38.)

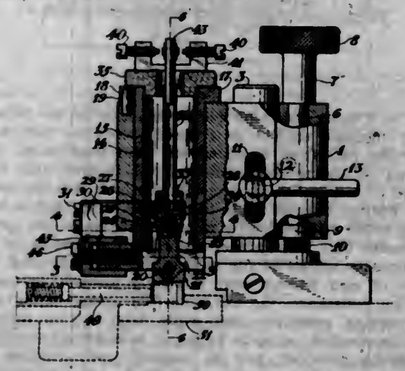


1. In an apparatus for cementing soles to shoes having a pad and a press for forcing a shoe down on said pad surface, the combination, with the above recited elements, of a laterally sliding connection between said pad structure and said press; whereby the latter may be used for wholesoling when in mid position over the pad, or for half-soling when in either end position.

1,627,359. METAL-IODIDE-ALKALI-IODIDE COMPOUNDS SUITABLE FOR USE IN THERAPEUTICS AND PROCESS FOR MANUFACTURING THEM. HANS TRUTTWIN, Vienna, Austria. Filed June 28, 1923, Serial No. 648,349, and in Germany July 3, 1922. 7 Claims. (Cl. 167—9.)
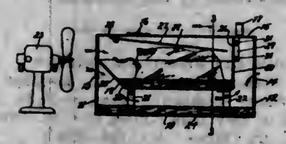
5. Therapeutically effective solutions of metal-iodide-alkali-iodide compounds consisting of a mixture of alkali-iodides, metal-iodide compounds and acids, containing alkali-iodide in a smaller amount than would be sufficient to prevent the albumin precipitating action, whilst the proportions between alkali-iodide and acid are chosen in such a manner, that separation of precipitate does not occur, even when the solution is greatly diluted with water.

1,627,360. TAPER-GAUGING MACHINE. PHILIP WALLIN, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 4, 1926. Serial No. 127,860. 10 Claims. (Cl. 33—174.)



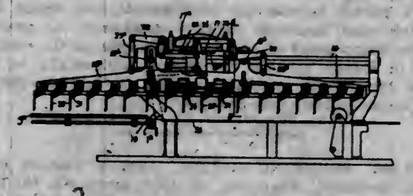
1. A device of the kind described comprising a housing, a slide yieldably mounted therein and taper gauging mechanism carried by said slide, whereby said taper gauging mechanism is adapted to gauge the taper of different sizes of work.

1,627,361. AIR COOLING AND DEHYDRATING DEVICE. WILLIAM E. WATT, Evanston, Ill. Filed July 25, 1924. Serial No. 728,104. 3 Claims. (Cl. 62—133.)



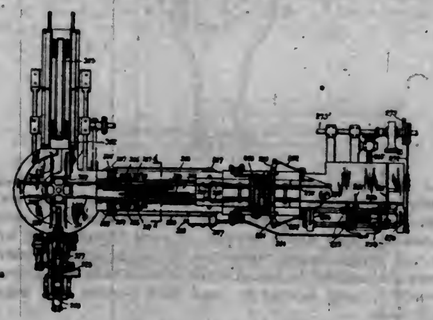
1. In combination, a casing, a container adapted to contain a cooling agent, supported within said container, means for directing a current of air over and about said container, and a baffle plate at the rear of said container engaging the side walls and top of said casing, said baffle plate terminating short of the bottom wall to form an air passage beneath the same.

1,627,362. BISCUIT-REMOVAL MEANS. EARL P. WEBSTER, Niagara Falls, N. Y., assignor to The Shredded Wheat Company, Niagara Falls, N. Y., a Corporation of New York. Filed June 29, 1922, Serial No. 571,825. Renewed May 11, 1926. 15 Claims. (Cl. 198—224.)



1. In biscuit removal means, a conveyor including transverse trays, a platform, and horizontally working means for successively removing transverse rows of biscuit in single file from said trays to said platform including an upwardly yieldable vertical pusher member for each biscuit adapted to retain its vertical position throughout its upward movement.

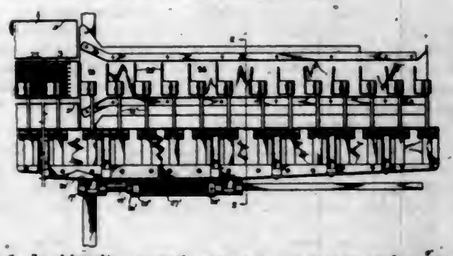
1,627,363. SEALING MACHINE FOR CARTONS. EARL P. WEBSTER, Niagara Falls, N. Y., assignor to The Shredded Wheat Company, Niagara Falls, N. Y., a Corporation of New York. Filed June 9, 1924. Serial No. 718,840. 22 Claims. (Cl. 93—7.)



11. In a carton sealing machine, means for feeding a succession of cartons two abreast, means for feeding a succession of the two end members so fed abreast in single file, means for moving the end flaps of the cartons to horizontal closed position and the side flaps to horizontal open position, means for applying glue upon said end flaps and upon the ends of the side flaps, means for moving the side flaps upon the end flaps, means for applying sealing strips along the joints of said side flaps, includ-

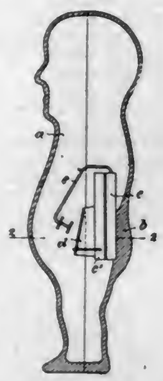
ing a turntable wherein the cartons are received and carried to the sealing strip applying means, and means for ejecting the cartons from the machine and whereto the cartons are carried by said turntable.

1,627,364. BISCUIT-REMOVAL MEANS. EARL P. WEBSTER, Niagara Falls, N. Y., assignor to The Shredded Wheat Company, Niagara Falls, N. Y., a Corporation of New York. Filed Mar. 11, 1925. Serial No. 14,726. 22 Claims. (Cl. 198—224.)



1. In biscuit removal means, a conveyor, and means for removing successive rows of biscuit therefrom including a pusher member for each biscuit, and means for moving said members pivotally downward in vertical planes transversely of and at right angles to the related row to engage between the biscuit, horizontally to remove the biscuit, pivotally upward in vertical planes and horizontally to first position.

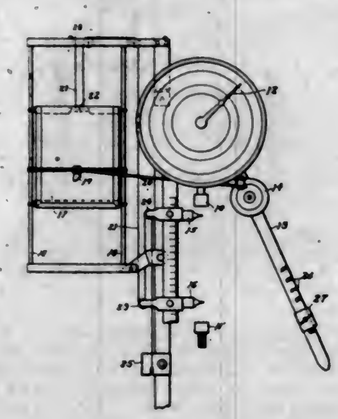
1,627,365. SOUNDING FIGURE. ARTHUR WERLITZ, Berlin, Germany. Filed Jan. 18, 1927, Serial No. 161,755, and in Germany Aug. 29, 1925. 2 Claims. (Cl. 46—40.)



1. A sound producing hollow figure formed of substantially solid walls of fragile edible material, said walls comprising a thick portion for the reception of a sound producing body and a portion of such thinness and area as will permit sound vibrations to be audibly transmitted from the interior to the exterior of said body and a sound producing body carried by said thick portion and within said body.

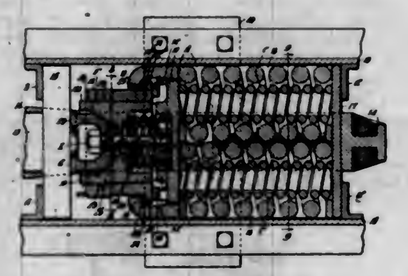
1,627,366. TESTING MACHINE. CARL S. WILLIAMS, Woodbridge, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1925. Serial No. 19,585. 14 Claims. (Cl. 265—2.)

1. A testing machine comprising relatively movable holding members for the material to be tested, means for varying the separation of said holding members and applying stress to the material, a recorder, means for actuating said recorder in response to the stress on said material, means for measuring the strain on a portion of the material comprising manually operable pair of means



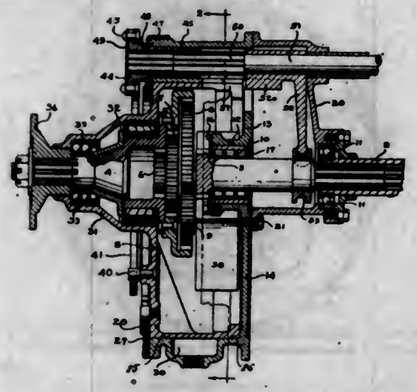
for following the divergence of marks on said material being tested, said manually operable means being mechanically independent of the holding members and of the material being tested, and means for actuating said recorder in response to the measured strain.

1,627,367. SHOCK-ABSORBING MECHANISM. ALBERT P. WITHALL, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Nov. 14, 1925. Serial No. 68,987. 16 Claims. (Cl. 213—24.)



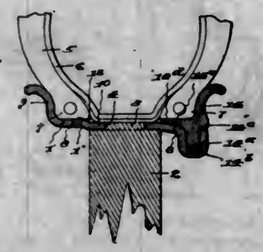
1. In a shock absorbing mechanism, adapted for railway draft riggings, subject to a known sustained maximum draw-bar pull from a locomotive, said mechanism comprising: a spring resistance unit; a friction unit comprised of a plurality of elements relatively movable when said friction unit, as such, is operated, said friction unit being bodily and inactively movable relative to the spring resistance unit for a predetermined initial portion of the compression stroke of the mechanism, and thereafter the parts of said friction unit relatively movable to create friction resistance, the available free spring capacity of said spring resistance unit while said friction unit as such is inactive, being in excess of said known sustained maximum draw-bar pull to thereby freely cushion all normal shocks and pulsations within the range of the said sustained maximum draw-bar pull, said spring resistance unit having an additional capacity available in co-operation with the friction unit during the actuation of the latter in absorbing shocks in excess of the said available free spring capacity of the spring resistance unit.

1,627,368. TRANSMISSION GEARING. CHARLES E. F. AHLM, East Cleveland, Ohio, assignor to Automotive Patent Holding Company, Cleveland, Ohio, a Corporation of Delaware. Filed Aug. 16, 1924. Serial No. 732,386. 12 Claims. (Cl. 74—58.)



12. In a gearing, a gear member movable laterally of its axis, a cooperating gear member movable longitudinally of its axis, a movable mounting for said first named gear member, an operating member having connections with both said mounting and said second named gear member and means whereby the operating member first acts on the mounting to cause alignment between the respective gear teeth and subsequently acts on the second named gear to cause positive engagement between the gear teeth.

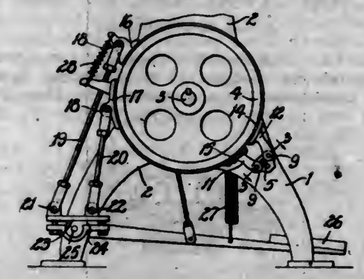
1,627,369. VEHICLE WHEEL. ERLE KING BAKER, Chicago, Ill., assignor to Baker Wheel & Rim Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 28, 1920. Serial No. 418,871. 4 Claims. (Cl. 152—21.)



4. A vehicle wheel construction embodying therein peripheral, pneumatic tire receiving means formed of an annular band having a fixed back flange, a detachable front flange, spaced tire base seats of substantially tire base diameter, and a portion intermediate said tire base seats of sufficiently less than tire base size to permit buttoning of the tire on the band when the detachable front flange is removed together with front flange receiving means of less than tire base diameter, said flange receiving means being of a diameter not greater than said portion intermediate the tire base seats.

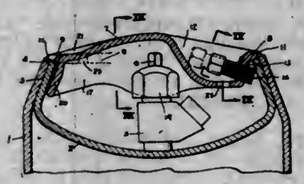
1,627,370. BRAKE CONSTRUCTION FOR SOLE-CUTTING MACHINES. HERMAN K. BAYER and HENRY J. EPSTEIN, St. Louis, Mo. Filed Apr. 11, 1925. Serial No. 22,304. 6 Claims. (Cl. 188—83.)

4. In combination with a rotatable brake drum, brake mechanism for arresting the motion of the same comprising a slidable support, a pair of semi-cylindrical brake shoes substantially surrounding said brake drum and pivotally mounted at adjoining end portions on said support in a manner to permit the adjacent ends thereof to move toward and from each other, means operable at will for separating the opposite adjoining end portions of said



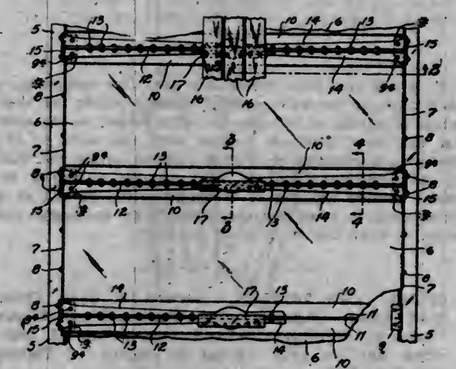
brake shoes to effect disengagement thereof from the drum, and automatic means for returning the brake shoes into engagement with said drum.

1,627,371. AMMONIA-CYLINDER CAP. HARRY C. BIERMAN, New Rochelle, and GEORGE W. SPEIRS, Glendale, N. Y., assignors to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Oct. 10, 1925. Serial No. 61,702. 11 Claims. (Cl. 220—55.)



1. In combination with a container having an inwardly curved end rim, a closure therefor comprising a body, ledges integral therewith adapted to rest on the top of said rim, a lug adapted to contact with the inner surface of said rim, and a screw passing through the top of said body adapted to impinge upon the inner surface of said rim.

1,627,372. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed June 21, 1926. Serial No. 117,330. 9 Claims. (Cl. 108—5.4.)



1. A car roof comprising side plates and self supporting roof sheets extending from side plate to side

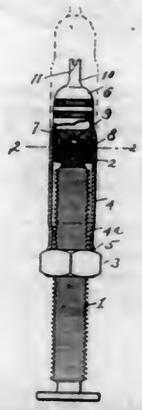
plate and rigidly secured thereto, said roof sheets being provided along their adjacent margins with raised panels having upstanding flanges at their edges that are rigidly secured together in direct contact with each other.

1,627,373. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed June 21, 1926. Serial No. 117,331. 11 Claims. (Cl. 108—5.)



1. A flexible car roof comprising roof sheets arranged on the car side by side, a seam cover covering adjacent margins of said sheets, and means on the marginal portions of said seam covers cooperating with means on said roof sheets for permitting sliding movement of said roof sheets transversely of said seam covers and sluing movement of said roof sheets on said seam covers in substantially all positions of such sliding movement.

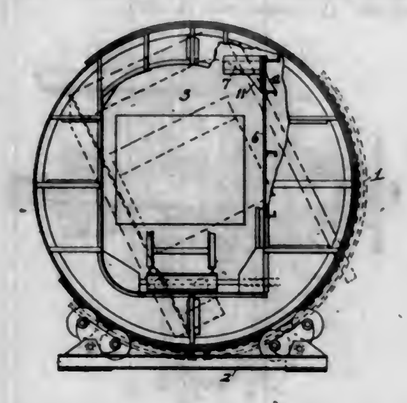
1,627,374. DUST-CAP CONSTRUCTION. ADELBERT E. BRONSON, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 18, 1920. Serial No. 359,746. 5 Claims. (Cl. 152—12.)



1. A cap for valve stems and the like comprising a shell to cover the valve stem, a member within the shell which is capable of being moved with respect to the shell but has close frictional contact with the walls of the shell and is retained in a given position within the shell by said frictional contact, said member having a recessed portion adapted to cooperate with the end of a valve stem to close the end thereof and to engage the stem to hold the shell upon the stem.

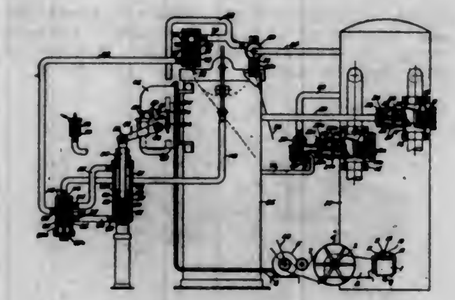
1,627,375. CAR DUMPER. ARTHUR F. CASE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 13, 1925. Serial No. 29,911. 7 Claims. (Cl. 214—52.)

1. A rotatably supported car dumping cradle having means for holding a car thereon, an imperforate apron carried by the cradle over which the material is discharged from the car when the cradle is turned to dump



the car, and means carried by the apron at the discharge end thereof for retaining thereon lumps of material which are larger than a predetermined size.

1,627,376. PUMP-CONTROL MECHANISM. RUDOLPH CONRADES, Erie, Pa. Filed June 26, 1924. Serial No. 722,594. 74 Claims. (Cl. 230—24.)



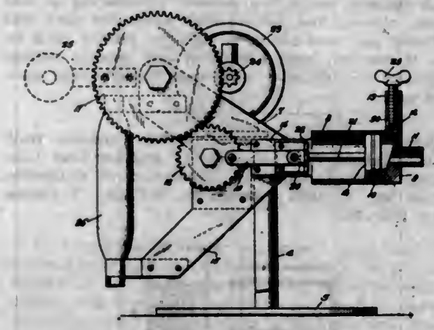
1. In a pump control mechanism, the combination of a pump; an electric motor actuating the pump; a starting switch having a starting and a running position at opposite sides of a neutral position; and fluid actuated means responsive to conditions of fluid pressure subjected to the action of the pump actuating switch.

26. In a pump control mechanism, the combination of a pump; an electric motor driving the pump; means controlling the motor comprising a fluid storage chamber; control devices stopping the motor and charging the chamber with certain fluid pressure conditions; mechanism actuated by the chamber fluid pressure starting the motor with certain other fluid pressure conditions; and an unloader for the pump actuated by chamber fluid pressure.

1,627,377. BREATHER PUMP. CHARLES DANNA, New Orleans, La. Filed Mar. 13, 1925. Serial No. 15,292. 6 Claims. (Cl. 230—27.)

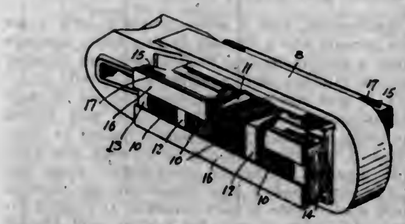
1. A breather pump including a cylinder provided with a valveless inlet port and an independent outlet port, said inlet port being relatively small in diameter

than the bore of the cylinder, and a piston mounted in said cylinder and operable to cause suction through both the inlet and outlet ports on the suction stroke of



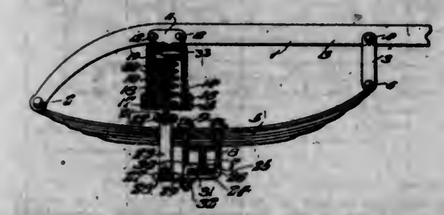
the piston and expulsion of the cylinder contents through both of said ports on the compression stroke of the piston.

1,627,378. DRAFT GEAR. LOUIS E. ENDSLEY, Pittsburgh, Pa., assignor to Waugh Equipment Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 21, 1925. Serial No. 24,796. 3 Claims. (Cl. 213—30.)



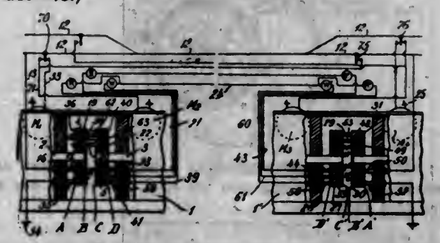
1. Draft gear structure comprising follower blocks, spring plates disposed between said blocks, channel-like cover members disposed against opposite edges of said blocks and spring plates, and pin and slot connection between said cover members and said follower blocks for maintaining all of said parts in assembled relation, the said connection limiting expansible movement of said follower blocks to a degree that spring pressure will at all times be exerted thereon.

1,627,379. AUTOMOBILE REBOUND-CHECKING DEVICE. CLARK O. FOUNTAIN, Moorestown, N. J. Filed Aug. 24, 1926. Serial No. 131,167. 1 Claim. (Cl. 267—28.)



An automobile rebound checking device comprising a housing, having an upper terminal apertured flange therein, whereby said housing may be rigidly secured to the chassis of the automobile, and having a lower threaded terminal portion, a lower terminal cap-threadedly secured to the lower threaded terminal portion of said housing, having a central opening therethrough, a plunger rod extending through said central opening and having an upper terminal disc secured to the upper end thereof, fitting snugly within said housing, and having a terminal strap socket at its lower end, a helical compression spring operatively interposed between said upper terminal disc of the pulnger rod and the lower terminal cap of said housing, a horisontal bracket having a terminal clamping member and a second clamping member extending therethrough, adapted to engage the flanges of the automobile axle, and a flexible strap intermediate said upper socket and said lower socket.

1,627,380. AUTOMATIC SIGNAL SYSTEM. FRANK GILDAY and WILLIAM J. DUFFY, Mayfield, Pa. Filed Dec. 6, 1924. Serial No. 754,267. 12 Claims. (Cl. 246—78.)



1. An electrical signal system comprising signaling means at one end of a track section for indicating the presence of a car in said section during normal operation of the system and emergency signaling means inoperative during normal traffic conditions for indicating exceptional traffic conditions, within said track section.

1,627,381. FUEL-THROWING VANE OR SHOVEL. LOUIS K. GILLSON, Wilmette, Ill. Filed Mar. 4, 1926. Serial No. 92,137. 9 Claims. (Cl. 110—113.)



1. A fuel projecting vane or shovel adapted to be mounted for oscillation in a horisontal path and comprising an upstanding blade, a shelf projecting forwardly from the blade and above the bottom margin thereof, and a transverse flange depending from the shelf.

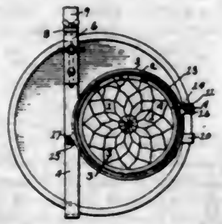
1,627,382. PROTECTIVE DEVICE FOR BOXERS. MORRIS GOLOMB, New York, N. Y., assignor to Everlast Sporting Goods Mfg. Co., New York, N. Y., a Firm composed of Morris Golomb and Jacob Golomb. Filed June 30, 1926. Serial No. 119,644. 5 Claims. (Cl. 2—18.)



1. A protective device of the character described comprising a member adapted to fit over the hand, said member including a padded covering for the back of the

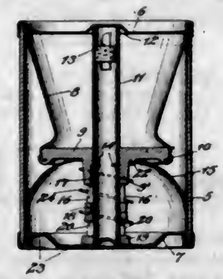
hand, flaps arranged across the upper portion of the palm, and other flaps adjacent the lower portion of the palm of the hand, leaving a gap at the intermediate portion of the palm, and a lacing for drawing said flaps toward each other to tighten the device on the hand.

1,627,383. MOP WRINGER. HERMAN E. GOTHBERG, Wyoming, N. J. Filed June 11, 1926. Serial No. 115,265. 4 Claims. (Cl. 15—263.)



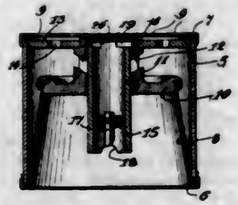
1. A mop wringer comprising a bag-like resilient net and means for securing said net to a pail or the like in distended condition.

1,627,384. SOUND-PRODUCING DEVICE. LEO J. GAUSMAN, Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Dec. 17, 1924. Serial No. 756,434. 15 Claims. (Cl. 46—46.)



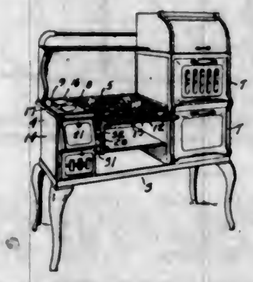
7. In a sound producing device, a cylindrical casing, a gravity operable, longitudinally reciprocating air compressing and expelling member in said casing, a sounding reed through which the air is expelled, and sound emission controlling means including two independently acting control parts movable as a unit with said air expelling member, and means automatically operating to effect a relative movement between said control parts during the air expelling movement of said member.

1,627,385. SOUND-PRODUCING DEVICE. LEO J. GAUSMAN, Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Jan. 2, 1925. Serial No. 42. 16 Claims. (Cl. 46—46.)



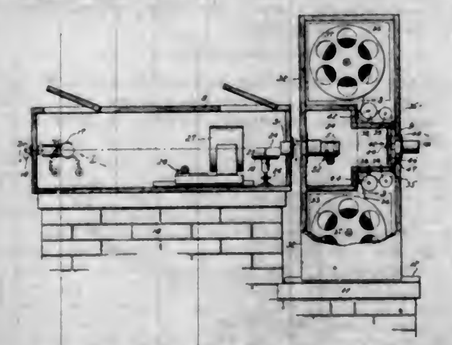
4. In a sound producing device, an air receiving chamber and a weighty gravity movable member for expelling air from said chamber, a sound producing reed through which the air is expelled, and means for articulating the emission of sound produced by said reed including an apertured part carried by said weighty member, and a sound emission controlling member independent of said weighty member and cooperatively associated with said apertured part and bodily movable by gravity with respect thereto and independently of said weighty member to control the emission of sound through said apertured part.

1,627,386. GAS-KINDLING BURNER. GEORGE HAMMER, Oakland, Calif., assignor to Hammer-Bray Company, Oakland, Calif., a Corporation of California. Filed May 1, 1922. Serial No. 557,519. 7 Claims. (Cl. 126—36.)



1. In combination with a stove provided with a set of top gas burners and a fire box having front openings and a grate, a gas kindler pipe fixed outside and adjacent a side wall of said box and extending horizontally thereabout, jets on said pipe extending into said box through said wall and arranged to discharge into said firebox above the plane of said grate, a hood arranged to cover the portions of the jets which extend through said wall, a gas-feed manifold extending horizontally along the front of the stove, and a pipe connecting the forward end of said kindler pipe to said manifold at a point lying at the same side of said fire box as said kindler pipe.

1,627,387. MEANS FOR PHOTOGRAPHICALLY RECORDING SOUND. RUSSELL HART, Los Angeles, Calif. Filed Apr. 9, 1923. Serial No. 630,870. 5 Claims. (Cl. 274—5.)



1. Apparatus of the character described, comprising; a luminous rectilinear filament of great tenuity; a lens for focusing an image of the filament in a plane; a target vibratile to sound in said plane for variably eclipsing the light rays forming said image to vary the length of the image; a photo-sensitized surface, movable parallel to said plane; and a second lens for projecting a secondary image of the variable first image upon the sensitized surface, transversely to its direction of motion.

1,627,388. CHAIR. THOMAS R. HAYES, Monrovia, Calif. Filed Oct. 20, 1926. Serial No. 142,981. 9 Claims. (Cl. 155—140.)



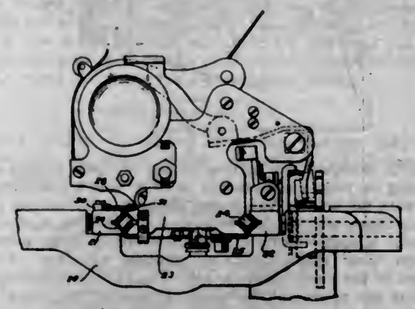
9. A collapsible chair structure comprising rider plates having oppositely disposed terminal flanges, a seat supporting rail connecting said rider plates between said flanges, and a rotatable eccentric locking bar connecting said rider plates independently of said seat rail, and disposed between said flanges and adjacent to one of the flanges of the respective rider plates.

1,627,389. INSECTICIDE COMPOSITION. OSCAR F. HEDENBURG and DAVID S. PRATT, Pittsburgh, Pa., assignors to The Toledo Rex Spray Company, Toledo, Ohio, a Corporation of Ohio. Filed July 1, 1919. Serial No. 307,985. 4 Claims. (Cl. 167—6.)

1. An insecticide composition comprising lead arsenate and an emulsoid colloid, said composition, when used in admixture with lime-sulfur as a spray, being readily suspendable in water, and the resulting spray, after drying, forming an adherent film resistant to the erosive action of water.

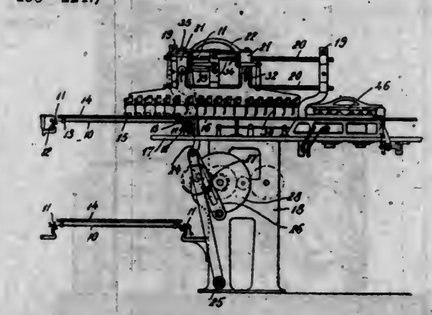
4. An insecticide composition comprising lead arsenate, a relatively small proportion of gum arabic, lime-sulfur constituents, said composition having superior suspension qualities and forming, when used as a spray, an adherent dry film resistant to the erosive action of water.

1,627,390. REMOVABLE CARRIAGE FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Sept. 12, 1924. Serial No. 737,226. 14 Claims. (Cl. 197—60.)



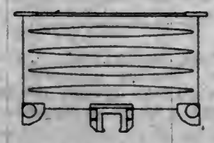
1. The combination with a typewriter frame, of guides mounted on said frame, a platen carriage slidably mounted in said guides, bearing rollers interposed between said carriage and guides, a frame for holding said rollers, racks on said typewriter frame and carriage, respectively, a pinion journaled on said roller-holding frame and meshing with said racks, said carriage being movable endwise from said guides to remove said carriage from said typewriter frame, disconnecting said racks from said pinion, and means for retaining said roller-holding frame in position on said carriage when said carriage is removed from said guides.

1,627,391. ARTICLE-HANDLING MECHANISM. HENRY ALONZO HOUSE, Bridgeport, Conn., assignor to The Shredded Wheat Company, Niagara Falls, N. Y., a Corporation of New York. Original application filed Apr. 30, 1926, Serial No. 105,683, now Patent No. 1,592,768, dated July 13, 1926. Divided and this application filed May 19, 1926. Serial No. 110,182. 10 Claims. (Cl. 198—224.)



1. In apparatus of the type described, the combination of a conveyor and means for successively removing transverse rows of biscuits, each row in single file, therefrom.

1,627,392. CORRUGATED WALL PLATE. HOWARD L. INGERSOLL, White Plains, N. Y. Filed June 7, 1923. Serial No. 643,934. 2 Claims. (Cl. 105—409.)



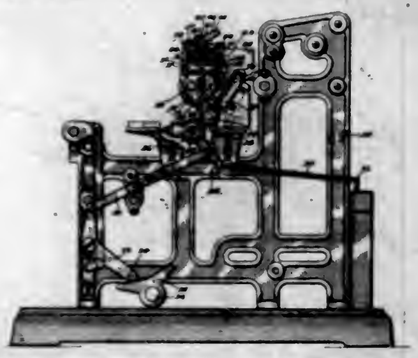
1. A metallic plate having a corrugation formed therein of constant height and having its width vary so that the contour of the sides form two parabolas with their vertices at the middle of the beam and their bases coincident, so that said corrugation is of uniform strength throughout its length for an equally distributed load.

1,627,393. WALL TELEPHONE. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 28, 1924. Serial No. 688,924. 5 Claims. (Cl. 179—100.)



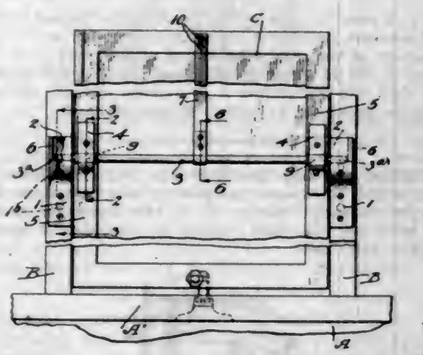
1. In a subscriber's telephone set, the combination with a base or back plate, of a cover hinged thereon, a bracket secured to said back plate and a rotatable screw supported thereby, an orifice in said cover and a slot extension from said orifice in alignment with said screw to permit entrance of said screw in said orifice when said cover is closed, said screw having a tapered portion adapted to engage a tapered portion of said orifice to permit the head of said screw to be depressed in said cover.

1,627,394. VARIABLE-FEED MECHANISM FOR TABULATING MACHINES. WILLIAM W. LASKER, Brooklyn, N. Y., and JOHN MUELLER, North Bergen, N. J., assignors to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 12, 1925. Serial No. 49,860. 22 Claims. (Cl. 197—114.)



1. In a machine of the character stated, the combination of an intermittently movable part, a platen, means controlled by said part for imparting a step-by-step movement to said platen, and means for periodically rendering said step-by-step means ineffective whereby the same line of said platen is held in printing position for more than one movement of said part.

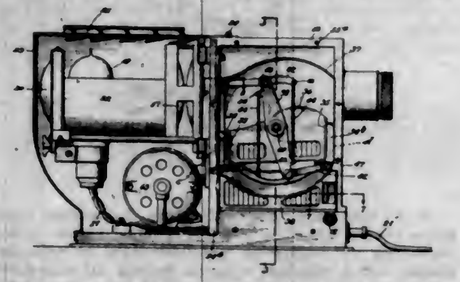
1,627,395. MIRROR MOUNTING. CHARLES M. LEE, Shreveport, La. Original application filed Mar. 12, 1926, Serial No. 94,245. Divided and this application filed Mar. 12, 1926. Serial No. 94,246. 1 Claim. (Cl. 45—18.)



A mounting for mirrors comprising open socket members, a pivot bar having an angular portion for attachment to the rear of the mirror, a clip with a seat cooperating with said portion for securing the pivot bar to the mirror frame adjacent its end portions, and bracing means connected at one end to the mirror frame at the top and at its other end to the bar at an intermediate point.

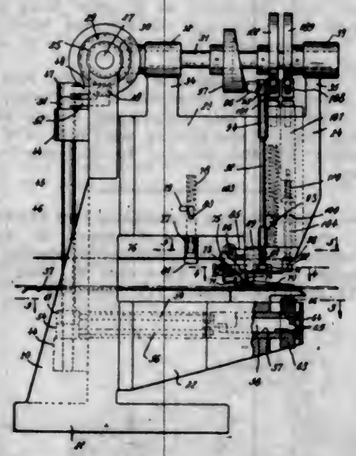
1,627,396. PROJECTING MACHINE. OTTO P. R. LEHMANN, Newark, N. J., assignor to Victor C. Thorne, New York, N. Y. Filed Sept. 1, 1923. Serial No. 660,467. 11 Claims. (Cl. 88—28.)

1. In a projecting machine, the combination of projecting means, a magazine, a plurality of framed slides standing on edge in said magazine in upright surface engagement with each other, socket members on the frames of said slides, a pair of rotatable levers, actuating means for rotating said levers, arms at the opposite ends of said levers adapted to engage the sockets of said slides and to raise a slide from said magazine into registry with



said projecting means and to coincidentally return a previously raised slide to the magazine, and means operated by said actuating means for advancing said plurality of slides in said magazine in predetermined steps to place successive slides in position to be lifted from said magazine.

1,627,397. MESH MACHINE. FRED HARRIS LYNDS, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 2, 1925. Serial No. 41,111. 28 Claims. (Cl. 140—3.)

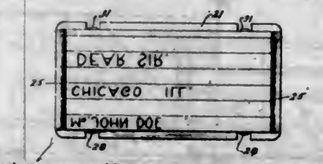


1. A machine for uniting pieces of mesh fabric consisting of rings connected by spiders, which comprises a support for holding two pieces of mesh to be united with their edges parallel but separated, means for holding a supply of spider material, tools operable to form spiders, insert their legs through a plurality of rings at the edges of the pieces of mesh, and turn the legs inwardly to secure the rings, and power-driven devices for giving the tools and the pieces of mesh a relative movement during which the pieces of mesh are maintained in a plane at all times, and for operating the tools.

1,627,398. SLUG HOLDER. ELMER G. MAGNUS and HENRY C. DOSCH, Chicago, Ill., assignors to Individualising Company of Illinois, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1924. Serial No. 720,227. 2 Claims. (Cl. 101—368.)

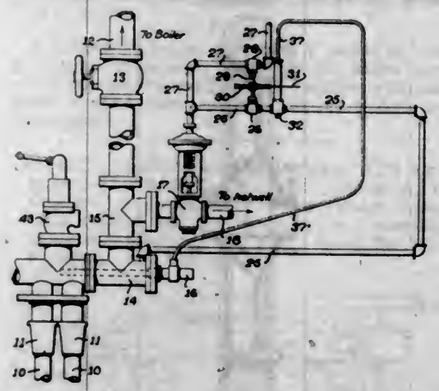
1. A grouping device for type slugs, comprising a metal plate having retaining flanges at its ends, each adapted to engage a plurality of slugs and guides at each side

integral therewith, parts bent out of the plane of the plate to form abutments adjacent one edge thereof and a plurality of notches adjacent the opposite edge providing



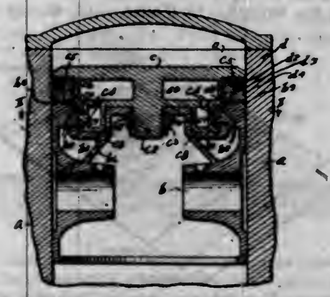
lugs therebetween, said lugs being adapted to be bent out of the plane of the plate into interlocking relation with a plurality of type slugs positioned thereon.

1,627,399. AUTOMATIC SAFETY SYSTEM FOR VESSELS CONTAINING LIQUID UNDER PRESSURE. CLINTON S. MEGLER, Beacon, N. Y., assignor to The Green Fuel Economizer Company, Beacon, N. Y., a Corporation of New York. Filed May 24, 1924. Serial No. 715,552. 11 Claims. (Cl. 122—412.)



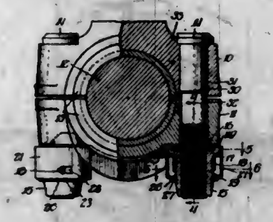
1. The combination with a normally closed container for heating a liquid, of a relief valve therefor, automatic means for opening the relief valve, means for utilizing the internal pressure of the container to hold the relief valve closed in opposition to said automatic means, and temperature-controlled means operable independently of the level of the liquid in said container for disabling said pressure utilizing means when the internal temperature of the said container rises to a predetermined point.

1,627,400. PISTON. HENRY H. MEYER, Detroit, Mich. Filed Feb. 28, 1924. Serial No. 695,642. 5 Claims. (Cl. 74—108.)



1. In a piston, the combination of an upper and a lower part having adjacent ends and having a ring groove between said parts, an annular groove extending into one of said ends within its periphery, an annular projection from the other of said ends adapted to extend into said groove and engaging screw threads on said projection and wall of said groove.

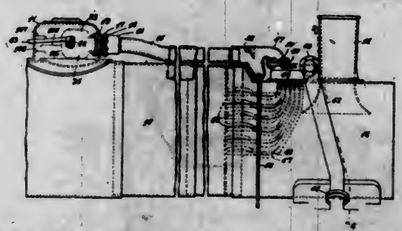
1,627,401. WEAR-COMPENSATING BOLT. GUSTAV C. MONCKMEIER, Tipton, Iowa. Filed Oct. 19, 1925. Serial No. 63,238. 9 Claims. (Cl. 85—32.)



1. In a device of the class described, a bolt, a tubular nut having an annular flange adjacent one end of the same, a coil spring encircling the tubular portion of the nut for automatically advancing the nut on the bolt, and a centrally apertured spring-encasing cup of cylindrical form positioned with the cylindrical side of the same rotatably mounted on the flange of the nut and with the apertured bottom of the same rotatably mounted on the tubular portion.

9. In a device of the class described, a bolt, a nut, and a coil spring for automatically advancing the nut on the bolt, the threading on the bolt and nut being multiple and having a lead which is from three to six times the pitch, for the purpose set forth.

1,627,402. STEAM LOCOMOTIVE. JOHN E. MUHLFELD, Scarsdale, N. Y., and AUGUST G. SANDMAN, Baltimore, Md. Filed June 6, 1919. Serial No. 302,088. 4 Claims. (Cl. 122—462.)

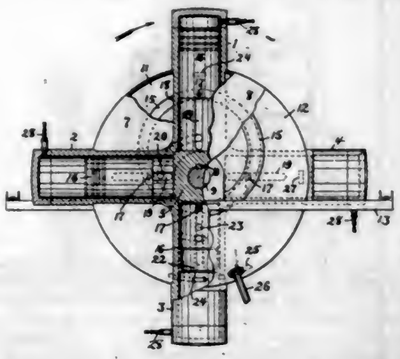


1. In a railway locomotive, a fire tube boiler having a smoke box at its forward end and working cylinders on opposite sides thereof, a superheater header mounted exteriorly of the smoke box, a supply pipe connection between the boiler and the superheater header arranged externally of the boiler shell, superheater elements connected with the header extending through the smoke box and into the fire tubes of the boiler, and superheated steam supply connections between the header and said working cylinders.

1,627,403. INTERNAL-COMBUSTION ENGINE. HENRY J. OUTCELT, Warsaw, Ind. Filed Nov. 11, 1925. Serial No. 68,282. 4 Claims. (Cl. 123—44.)

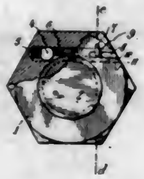
1. In an internal combustion engine, a revoluble member having cylinders radially disposed in opposite pairs, each cylinder having a longitudinal slot in each side thereof at its inner portion, and having a receiving port and exhaust port in its outer portion; a pair of stationary heads spaced apart and having bearing contact with the corresponding sides of said revoluble member, each having a circular raceway in its inner face eccentrically

disposed, one of said heads having an intake port with which said cylinders have communication at their inner ends, and also a by-pass duct with which said cylinders have communication at their inner and outer ends, the other of said heads having an exhaust port with which said cylinders have communication at their outer ends; a shaft keyed in said revoluble member and rotatably



mounted in said heads; a piston in each cylinder having a cross-pin at the inner end thereof, the ends of which pin project through the corresponding side slots of the cylinder; a shoe on each end of each cross-pin having sliding movement in the corresponding race-way; and ignition means including a spark-plug in each of said cylinders.

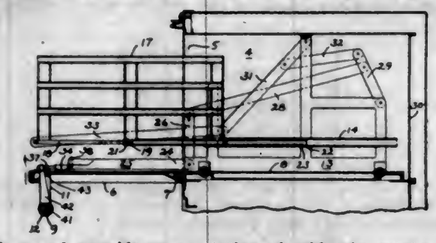
1,627,404. NUT LOCK. MARCEL OUTHIER, Paris, France, assignor to Societe Anonyme des Etablissements Kiblok, Levallois-Perret, France. Filed June 19, 1925, Serial No. 38,242, and in France Apr. 4, 1925. 1 Claim. (Cl. 151—25.)



A nut lock comprising in combination a nut having a threaded opening and a channel tangential thereto, a ball and a spring in said channel, the spring tending to hold the ball in locking position, a push bar reciprocable in the channel and provided with a lateral extending rod projecting out of the nut, the nut being formed with a groove in which said rod is adapted to slide and with a transverse recess communicating with the groove near the inner end thereof, said transverse recess being adapted to receive said rod and hold it in unlocking position.

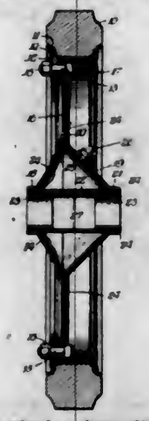
1,627,405. SLIDING GRATE FOR OVENS. ANTOINE E. M. PRENVEILLE and DONALD E. PRENVEILLE, Oakland, Calif. Filed Aug. 4, 1924. Serial No. 729,945. 3 Claims. (Cl. 126—340.)

1. The combination with an oven and a door therefor, of a grate mounted to slide into and out of said oven, means arranged to be connected to the door and grate to cause the grate to be moved out of and into the oven upon the opening and closing movement of the door, a handle for said door comprising a bracket positioned on the outer side of the door, a grip member supported by said bracket for rotation about an axis parallel to the plane of said door, and an arm extending through the



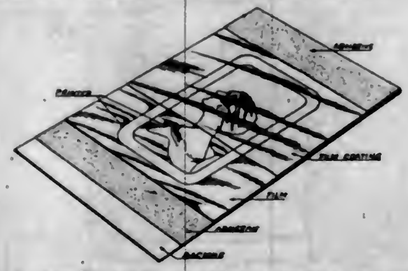
door and movable upon rotation of said grip member to connect said means to the door or disconnect same therefrom.

1,627,406. VEHICLE WHEEL. FRED W. RAUTER, Oshkosh, Wis., assignor to Leach Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Jan. 29, 1926. Serial No. 84,553. 6 Claims. (Cl. 301—63.)



5. In a vehicle wheel, a front disc having an inwardly and forwardly extending central portion, a rear disc of smaller size secured to the front disc and having an inwardly and rearwardly extending central portion, a sleeve secured to the innermost extremities of the central portions of both discs, and two smaller sleeves secured within the first mentioned sleeve inwardly of the extremities of the central portions of the discs.

1,627,407. TRANSFER PRINT AND METHOD OF MAKING THE SAME. THOMAS S. REESE, Cleveland, Ohio, assignor to The Di-Noc Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 18, 1924. Serial No. 687,016. 12 Claims. (Cl. 41—33.)



1. A transfer print comprising a backing sheet having a coating forming film thereon which is insoluble in water, said film carrying a design formed by pigments permanently impregnated in the body of the film.

1,627,408. COMB FOR HAIR CUTTING. FRED ROBERTS, Portland, Oreg. Filed June 26, 1925. Serial No. 39,831. 1 Claim. (Cl. 132—11.)



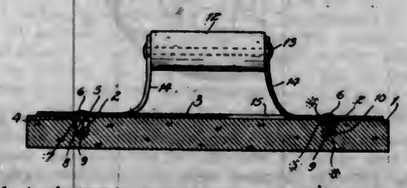
A barber's implement comprising a handle of uniform rectangular dimensions throughout its middle portion, each end having its width increased uniformly beyond the handle and its depth uniformly tapered to form operative portions.

1,627,409. METHOD AND APPARATUS FOR TRANSMITTING ELECTRIC CURRENT. JAMES A. ROSE, Lancaster, Pa., assignor to Lowell-Wintsch Automatic Train Control, Inc., Lancaster, Pa., a Corporation of Delaware. Filed July 12, 1924. Serial No. 725,663. 5 Claims. (Cl. 246—193.)



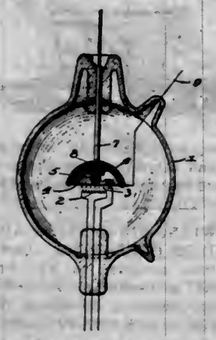
1. In combination with a pair of rails, a transformer having the terminals of one of its coils respectively connected to said rails, a vehicle having means for electrically connecting said rails, a control circuit carried by said vehicle and connected in shunt with the circuit formed by said rails, a source of current connected to the other coil of said transformer, a signal for the vehicle, and signal controlled means for varying the current in the circuit of one of said coils.

1,627,410. PLASTERER'S FLOAT. RAYMOND W. ROWLEY, St. Louis, Mo. Filed Dec. 14, 1925. Serial No. 75,233. 5 Claims. (Cl. 72—136.)



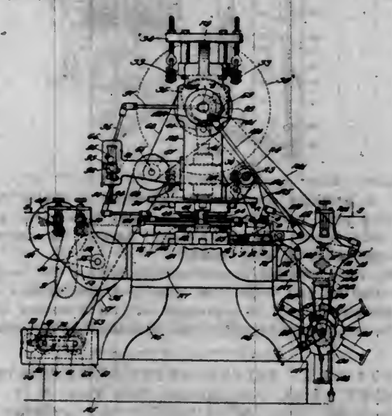
1. A plasterer's float comprising a face block having two pairs of engaging members located, respectively, near opposite ends thereof and provided with screwthreaded shanks projecting above its upper side, transverse rods passed through the body of said face block and through said engaging members, a back plate applied to the upper side of said face block and having apertures through which said shanks project, screwthreaded members applied to said shanks and screwed against said back plate, and a handle supported on said back plate.

1,627,411. ELECTRON RELAY. SAMUEL RUBEN, New York, N. Y. Filed Oct. 23, 1920, Serial No. 418,896. Renewed Sept. 22, 1926. 4 Claims. (Cl. 250—27).



2. An electron relay comprising a vacuum tube having therein an electron emission element, a grid element and a microphone comprising two contacting members one of which functions as a plate element.

1,627,412. METHOD AND APPARATUS FOR FORMING ARTICLES FROM SHEET MATERIAL. HARRY E. RUCKERT, Philadelphia, Pa., assignor, by mesne assignments to Sanitary Products Corporation of America, Philadelphia, Pa., a Corporation of Virginia. Filed July 18, 1924. Serial No. 726,863. 45 Claims. (Cl. 93—60.)

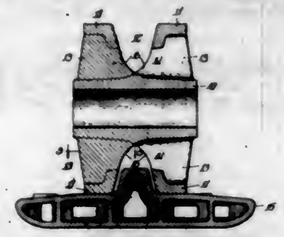


1. In a machine for forming articles from sheet material, the combination with means for supplying a plurality of sheets of said material in superposed relation, of punching and forming means movable together for first punching blanks from all of said sheets simultaneously and then forming said blanks into a corresponding number of nested articles.

1,627,413. TRACK ROLLER. RICHARD W. RUNGE, Oshkosh, Wis., assignor to Leach Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Apr. 5, 1924. Serial No. 704,303. 4 Claims. (Cl. 305—1.)

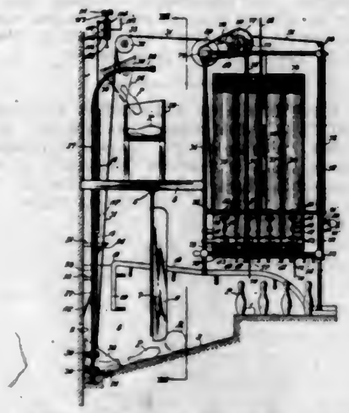
4. In a track roller, a hub portion, two rim portions spaced to provide a peripheral groove, and laterally tapering spokes between the hub and rim portions ar-

ranged in staggered relation with their inside faces curved laterally adjacent the hub to provide curved



discharge passages of laterally increasing size which lead inwardly and laterally from the groove throughout its circumference to the side faces of the roller.

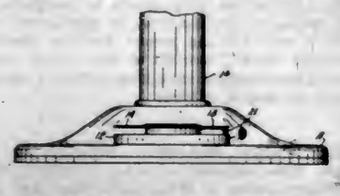
1,627,414. BOWLING-PIN-SETTING APPARATUS AND ITS METHOD OF OPERATING. LEWIS D. SCHAFFER, Cleveland, Ohio, assignor to The State Banking & Trust Company, as trustee for himself and The Singer Manufacturing Company, Cleveland, Ohio. Filed May 11, 1922. Serial No. 560,119. 92 Claims. (Cl. 273—43.)



1. A bowling apparatus comprising a device for removing pins, compressed air operated means for actuating said device and an electrical agency for controlling the operation of said means.

91. In a bowling apparatus, mechanism for receiving, distributing and supporting pins and mechanisms adapted simultaneously to segregate varying numbers of pins while supported by said first mentioned mechanism.

1,627,415. TELEPHONE-INSTRUMENT ATTACHMENT. ALEX. SCHLESINGER, New York, N. Y. Filed Sept. 20, 1924. Serial No. 738,885. 4 Claims. (Cl. 179—90.)



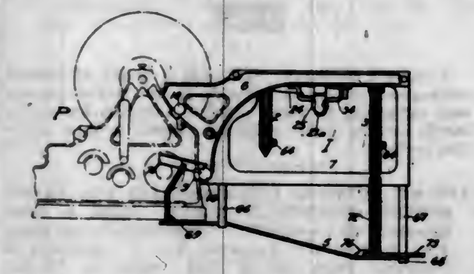
4. In a calling device having a number plate, a finger wheel movable concentrically thereto, and means associated with the latter for forming a wiping contact with the number plate.

1,627,416. SMOKING PIPE. PAUL R. SCHUMAN, Chicago, Ill. Filed Apr. 23, 1924. Serial No. 708,547. 1 Claim. (Cl. 131—12.)



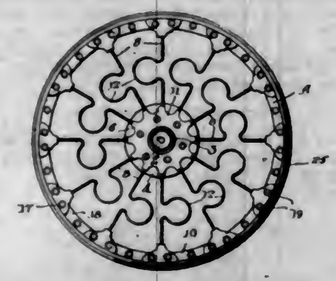
A smoking pipe including a stem comprising separable parts having reduced threaded end portions, a bowl comprising separable parts carried by said stem parts and provided with threaded bearing portions, retaining means engaging said thread bearing portions, and retaining means engaging said reduced threaded end portions of the stem.

1,627,417. INTERLEAVING DEVICE. FRANK H. SHINN, Davenport, Iowa. Filed June 28, 1926. Serial No. 119,054. 11 Claims. (Cl. 34—1.)



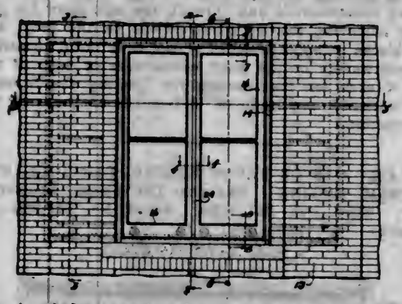
1. In interleaving mechanism for use with printing mechanism to insert offset preventing sheets between printed sheets delivered by the printing mechanism, pendulant means to pass through perforations in and suspend the interleaving sheets above the location where the printed sheets are dropped by the printing mechanism, means to be actuated to permit said interleaving sheets to be dropped, one at a time, and means to actuate the last named means to cause the dropping of said sheets.

1,627,418. RESILIENT WHEEL. ROBERT JULIUS STARR, Briercrest, Saskatchewan, Canada. Filed Apr. 3, 1923. Serial No. 629,666. 1 Claim. (Cl. 152—49.)



A resilient vehicle wheel for motor cars and the like comprising a rim and a hub, an auxiliary hub provided with stub spokes, a plurality of spring spokes formed with a centrally disposed open loop and stub ends, a plurality of radial slots in the rim and auxiliary hub having a plurality of recesses at right angles thereto and communicating therewith adapted to receive the stub ends of the spokes and retain the spokes at compression or tension, and cover means to retain the spokes in the wheel.

1,627,419. WINDOW CONSTRUCTION. HARRY B. STEIN, Chicago, Ill. Filed Oct. 19, 1926. Serial No. 142,584. 9 Claims. (Cl. 20—52.1.)



1. A window construction comprising housing means consisting of frame members and connecting panels therebetween placeable in the wall and forming part of the window frame, there being a slot in said frame part, and track means with spring strips for sliding the window sash through said slot into said housing means.

1,627,420. REVERSIBLE DOOR LATCH AND LOCK. ALBERT JACKSON THOMAS, Clinton, Ind. Filed May 21, 1924. Serial No. 714,777. 3 Claims. (Cl. 70—14.)



1. A door latch and lock including a tubular case having a front plate on one end and a plug in the opposite end thereof, the front plate having an aperture therein, a beveled latch bolt and a lock bolt arranged together and guided in said aperture for relatively independent longitudinal movement, the latch bolt being provided on its inner end with a yoke having gear teeth, a spindle rotatively guided in the tubular case and having gear teeth engaging the gear teeth on the yoke, a coil spring seated on said plug and the yoke, and a key to engage and move the lock bolt.

1,627,421. CONFECTION MOLD. JOSEPH WATKINS, Marysville, Pa. Filed Oct. 9, 1926. Serial No. 140,565. 1 Claim. (Cl. 53—6.)



A baking pan having a bracket connected to a part of its exterior wall, an upright removably seated in the said bracket, a substantially egg-shaped member adapted to be pressed into the material in the pan to form a recess in the top of the baked product, and a rod connected with the said member and hingedly connected with the upright.

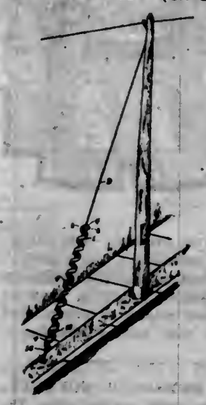
1,627,422. ROTARY RAKE. WILLIAM LINCOLN WIKE, Riverside, Calif., assignor of fifty-one per cent to Herbert Richmond, Riverside, Calif. Filed Apr. 13, 1926. Serial No. 22,835. 2 Claims. (Cl. 97—41.)

1. In a lawn rake, the combination of a frame mounted so as to be propelled over the ground, a transverse shaft rotatably mounted in the frame, means for driving said shaft, a series of radially projecting teeth supported by said shaft and adapted to penetrate the ground in the lower part of their orbit, the front portion of each tooth



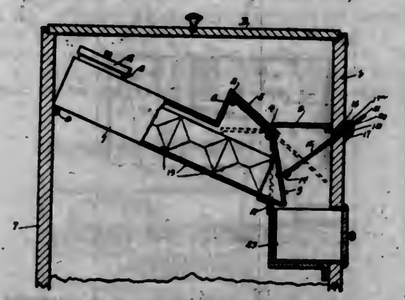
being in the form of a sharpened blade with a lateral trend, and a deflector secured to the frame and cooperating with the teeth to cast the detached material toward one side.

1,627,423. GUARD FOR GUYS AND THE LIKE. FRED N. BIERCE, Cincinnati, Ohio. Filed Oct. 9, 1924. Serial No. 742,625. 6 Claims. (Cl. 189—82.)



1. A guy wire protector comprising a spiral member and means for securing said member to the guy.

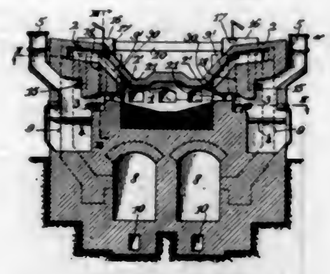
1,627,424. BRICK-ICE-CREAM CONTAINER. CHRISTIAN BINDER, Pittsburgh, Pa. Filed July 25, 1923. Serial No. 653,811. 1 Claim. (Cl. 211—8.)



In combination with a cabinet having an opening formed in a wall thereof, a casing mounted within the cabinet, a drawer slidably mounted in the lower portion of the casing, a container supported at an inclination to the cabinet and having its lower end portion positioned within the casing above the drawer, a door normally

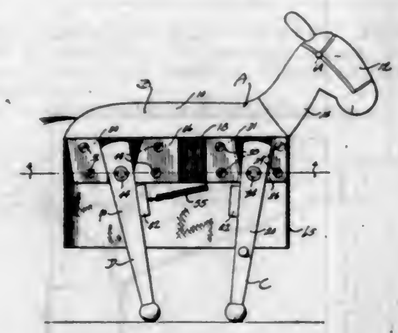
closing the lower end portion of the container, an angularly shaped arm operable on one of several objects within the container inwardly of the door when said door is open to permit discharge of the lowermost of one of said objects for holding the other objects against downward movement during discharge of said lowermost one of the objects, a locking member pivotally connected to the door and having a portion projecting through the opening, said locking member including an angular projection formed in its body, and a member carried by the wall of the cabinet defining the opening and provided with a longitudinally extending channel for the accommodation of the angular projection, said member having a vertical slot formed therein for the passage of said angular projection to permit opening of said door, substantially as described.

1,627,425. OPEN-HEARTH FURNACE. EDWIN BOSSHARDT, Berlin-Tempelhof, Germany. Filed June 30, 1924, Serial No. 723,334, and in Germany Oct. 25, 1923. 6 Claims. (Cl. 110—31.)



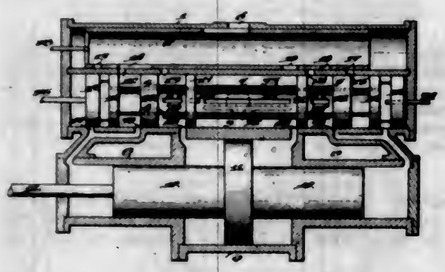
5. An open-hearth furnace, comprising two gas producers, a melting chamber, a gas passage connecting the melting chamber and one of the producers at the white heat zone of the latter, a mixing chamber forming part of said passage, and means to supply fuel gas from the other producer to said mixing chamber.

1,627,426. TOY HORSE OR NOVELTY. ARTHUR M. BRIGGS, Andrade, Calif. Filed Aug. 18, 1924. Serial No. 732,863. 4 Claims. (Cl. 272—53.)



1. In a toy horse the combination of an elongated supporting body, front and rear supporting leg constructions for the body each comprising a pair of rigidly connected legs divergent from the upper ends thereof towards the lower ends thereof, the upper ends thereof being in spaced relation to receive therebetween the lower portion of the body so that the upper ends of said legs of each of the leg constructions are disposed at opposite sides of the lower portion of the body, pins extending through the upper ends of the legs of each of the leg constructions and through the said body for pivotally mounting the leg constructions on the body, and stop blocks at opposite sides of the body both forwardly and rearwardly of the pivot connections of each of the legs of each leg construction for limiting the forward and rearward amplitude of movements of the said leg constructions.

1,627,427. GAS OR VAPOR ENGINE, PARTICULARLY STEAM ENGINE. CHARLES LEE COOK, Louisville, Ky. Filed Oct. 20, 1920. Serial No. 418,293. 7 Claims. (Cl. 121—105.)



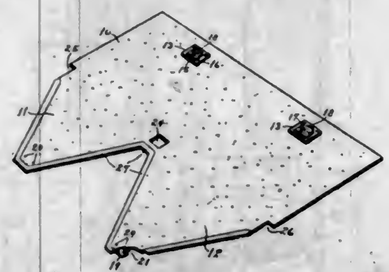
1. A gas or vapor engine comprising a compound cylinder, a compound reciprocating piston provided with piston heads of different diameters, and valve control mechanism for directing the gas or vapor either wholly into the larger diameter portions of the cylinder or wholly into the smaller diameter portions of the cylinder, said mechanism comprising a reciprocable valve adapted to be set in different positions and a reciprocating valve provided with a rotary control sleeve adapted to be set in different positions.

1,627,428. METHOD AND APPARATUS FOR FORMING GLASSWARE. EDWARD DANNER, Toledo, Ohio. Filed Aug. 23, 1920. Serial No. 405,822. 39 Claims. (Cl. 49—3.)



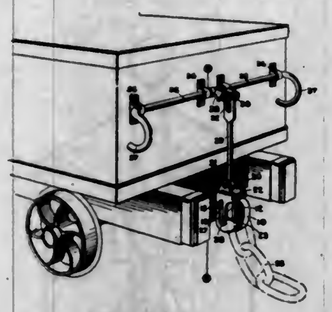
1. The method of forming sheet glass, consisting in causing molten glass to flow along a directing means and around opposite sides of a tip portion disposed at the discharge end of the means, the glass merging at the outer edge of the tip portion and flowing therefrom in single sheet form.

1,627,429. INTERLOCKING MULTIPLE SHINGLE. ISADORE DAVIS, Des Moines, Iowa, assignor to Interlocking Shingle Co., Des Moines, Iowa, a Corporation of Iowa. Filed May 15, 1925. Serial No. 30,638. 4 Claims. (Cl. 108—7.)



1. A shingle formed of flexible material and comprising a body and a projection on its lower margin, said body being formed with an aperture adjacent the base of said projection, a keeper clip fixed to the upper surface of said body, and a clip fixed to the lower surface of said projection and adapted to engage and interlock with the keeper clip of a subjacent shingle, which keeper clip is exposed through the body aperture of an intermediate shingle.

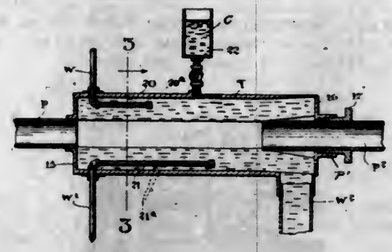
1,627,430. COUPLING FOR VEHICLES. THOMAS FRANKS, Walsall, England. Filed Aug. 24, 1926, Serial No. 131,277, and in Great Britain June 11, 1926. 3 Claims. (Cl. 213—178.)



1. In a vehicle coupling, the combination of a hook for receiving a coupling member, a locking member mounted on the hook, said locking member being movable into a lowered position in which the mouth of the hook is barred and into a raised position in which the mouth of the hook is left open, an extension on the locking member serving to raise the coupling member clear of the hook as the locking member moves to the raised position, a control disposed for operation from the side of the vehicle, and means for moving the locking member to the raised position and retaining it in the said position when a single movement is given to the control, said extension serving to displace the locking member from the raised position when a coupling member is placed in the mouth of the hook.

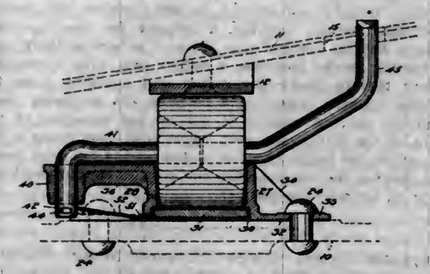
1,627,431. PROCESS OF AND APPARATUS FOR CONDENSING, TREATING, AND WASHING HYDROCARBON VAPORS. CLAUDE LESLIE FREELAND, Bristow, Okla. Filed Sept. 9, 1921. Serial No. 499,464. 5 Claims. (Cl. 196—140.)

2. An apparatus of the character specified comprising a tube, means for spraying water into the tube so as to impart to the water a whirling movement spirally of the axis of the tube, means at one end of the tube for introducing hydro-carbon vapors into a hollow passage-



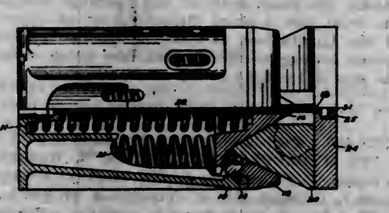
way formed by the whirling water, and means at the opposite end of the tube and disposed axially thereof for collecting the condensed vapors.

1,627,432. SIDE BEARING. ERNEST G. GOODWIN, New York, N. Y., assignor, by mesne assignments, to Goodwin Side Bearing Co., Inc., Wilmington, Del., a Corporation of Delaware. Filed Feb. 18, 1924. Serial No. 693,712. 7 Claims. (Cl. 308—226.)



1. A roller side bearing for cars of the type employing a roller positioned between the body bolster and the truck bolster, characterized by the provision of a rod passing thru the roller to position it, said rod having two parallel ends, one of which pivots the rod to one of said bolsters and the other of which is guided by the bolster, said ends lying on opposite sides of the roller and at right angles to its axis.

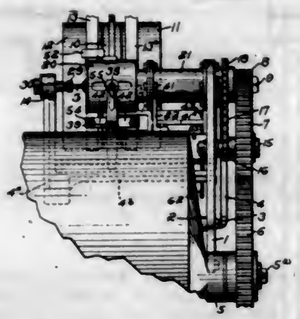
1,627,433. DRAFT GEAR AND METHOD OF INSTALLING SAME. ERNEST G. GOODWIN, Pelham, N. Y., assignor to Standard Coupler Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 3, 1924. Serial No. 741,408. 7 Claims. (Cl. 213—26.)



1. In a draft gear of the type having a barrel, a wedge movable relatively to the barrel, a spring between the wedge and barrel, and means adapted to engage said

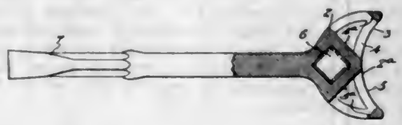
wedge to compress said spring, means held in contact with said wedge by said spring and free to fall away when said wedge moves inwardly into the barrel to compress said spring.

1,627,434. REVERSING MECHANISM. FRITZ W. A. Henrici, Boston, Mass. Filed Mar. 23, 1923. Serial No. 627,158. 11 Claims. (Cl. 64—4.)



1. Reversing means comprising a driven member, a casing therefor, a driving member above the casing, operating means therefor, a shipper for the operating means having opposed cam faces, a reversing shaft with reversing means including a hollow cam with a traveling timer therein above the casing and operated from the driven member connections between the reversing shaft and the driving member to reverse the direction of motion of the latter, and stop mechanism comprising a rod on which the shipper moves, a stud on the rod, and means for moving the rod to cause the stud to contact with the cam to actuate the shipper.

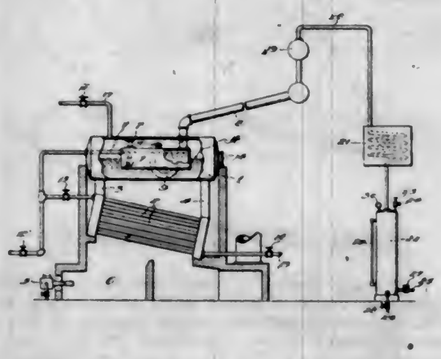
1,627,435. TOOL. JAMES AUGUSTINE HOOBEN, Taunton, Mass. Filed Sept. 2, 1924. Serial No. 735,441. 1 Claim. (Cl. 81—90.)



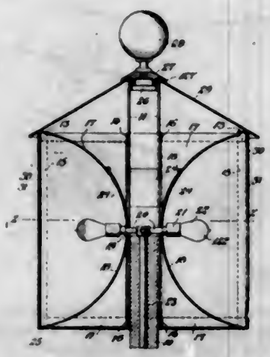
A tool of the character described comprising a handle provided at one end with a head having a curved front face provided with two rectangular openings, the inner and outer walls of the openings being inclined to and in the direction of the longitudinal axis of the handle, the inner walls of said openings terminating at the front face a short distance apart on opposite sides of the longitudinal axis of the handle and forming a central bearing surface for the face which extends from one side of the head to the other.

1,627,436. PROCESS AND APPARATUS FOR TREATING HYDROCARBON. WILLIAM R. HOWARD, Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 9, 1922. Serial No. 567,034. Renewed Mar. 3, 1927. 9 Claims. (Cl. 196—48.)

3. A process of converting oils, consisting in maintaining a bulk supply in a still and heating same to a vaporizing temperature, causing the vapors to pass through a body of oil maintained in a closed shell within the still, withdrawing the uncondensed vapors from the closed shell, subjecting them to a reflux condensing action, returning the reflux condensate to the closed shell for retreatment and maintaining a superatmospheric pressure on the oil and vapors under treatment.



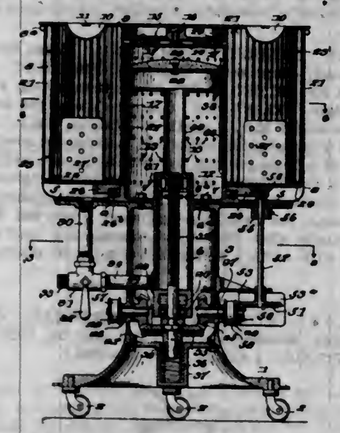
1,627,437. SIGN. ALFRED HORATIO HUMPHREY, Salem, N. Y., assignor to Grace G. Humphrey, Salem, N. Y. Filed Oct. 22, 1924. Serial No. 745,202. 8 Claims. (Cl. 40—132.)



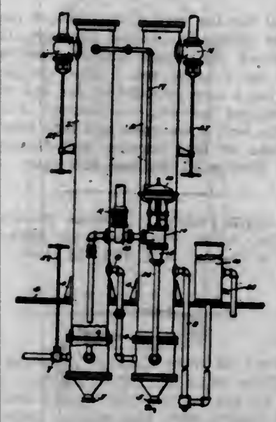
1. In a sign structure, an elongated vertical frame and a side frame connected thereto, a sign at the front of the side frame, said elongated frame affording accommodation for the upper end of a supporting post and extending materially above the post end, reflector means disposed at the same side of the elongated frame as said side frame and connected therewith and presenting an opening at the back thereof and a closure therefor, and lighting means positioned adjacent said opening, said elongated frame affording access therethrough and through the opening in the reflector to said lighting means.

1,627,438. WASHING AND WRINGING MACHINE. JOB HUTCHINSON, Saugerties, N. Y. Filed Mar. 1, 1924. Serial No. 696,318. 19 Claims. (Cl. 68—37.)

1. A washing machine comprising an annular chamber having inner and outer walls for containing the clothes to be washed, means for causing circumferential movement of the clothes relative to the walls of said chamber, and means for simultaneously discharging radial jets of water horizontally into said chamber from the inner walls thereof.



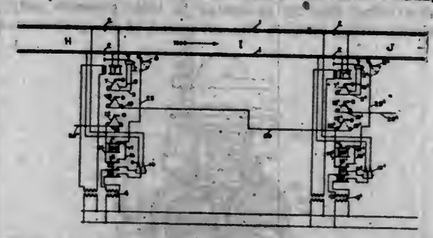
1,627,439. CARBONATING APPARATUS AND METHOD. HERBERT N. KILBY, Cleveland, Ohio. Filed Aug. 18, 1924. Serial No. 732,644. 16 Claims. (Cl. 127—12.)
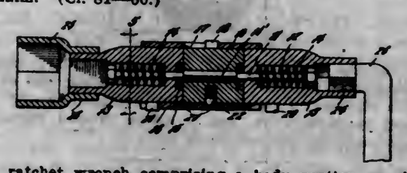


1. In carbonating apparatus, separate communicating vessels, means for introducing alkaline sugar juice under a substantially constant pressure into said vessels, means for introducing a partially absorptive gas under a pressure substantially equal to that of said juice into said vessels, said gas having a variable carbonic acid content, and means operable automatically by variation in the pressure of the unabsorbed gas content remaining in one of said vessels to vary the volumetric inflow of the carbonic acid gas into the other of said vessels.

1,627,440. RAILWAY SIGNALING SYSTEM. EDWIN C. LARRY, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Dec. 14, 1925. Serial No. 75,337. 12 Claims. (Cl. 246—39.)

1. In a block signaling system, the combination with a track divided into blocks by insulating joints each block including a track relay and a source of energy connected to form the usual closed track circuit, a semaphore signal at the entrance to each block, and means effective if a particular semaphore signal does not assume the danger position upon the passage of a train by such signal for causing the next semaphore signal in the rear to assume its danger position.

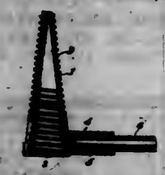


1,627,441. WRENCH. WILLIAM S. LAWYER, Woodland, Wash. Filed Aug. 11, 1926. Serial No. 128,606. 1 Claim. (Cl. 81—60.)



A ratchet wrench comprising a body portion provided with a projection upon its outer side, a bolt member disposed axially of the longitudinal center thereof, ratchet members disposed in end to end relation upon the opposed ends of the body portion and receiving the extremities of the bolt member within enlarged bores therein, springs carried within the bores encircling the adjacent portions of the bolt to retain the ratchet portions of the ratchet members in constant mesh with the abutting ends of the body portion, projections carried by the ratchet members, a sleeve member slidably mounted upon the body portion provided with an elongated slot receiving the projection carried by the body portion, said sleeve is further provided with cut-out portions within the opposed peripheral edges thereof adapted for alternately receiving the projections carried by the ratchet members and guided during the association thereof by the presence of the projection and slot connection between said sleeve and body portion, and a spring pressed ball carried by the body portion adapted for reception within openings in said sleeve to preserve interfitting engagement of the cut-out portions and projections.

1,627,442. BATTERY CONNECTER. JOSEPH O. LUTHY, San Antonio, Tex. Filed June 7, 1924. Serial No. 718,593. 1 Claim. (Cl. 73—259.)

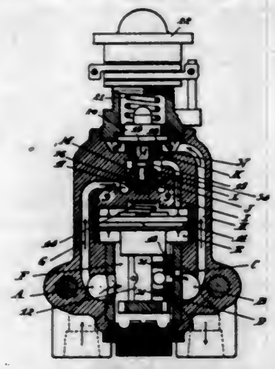


A terminal for storage battery connecters comprising a conical shell having tapered inner walls and helical projections on the tapered interior and exterior walls.

1,627,443. CHARGING VALVE. GEORGE E. MAIER, Los Angeles, Calif., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 18, 1924. Serial No. 720,772. 7 Claims. (Cl. 50—11.)

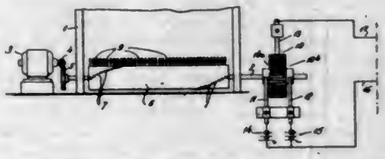
7. In a charging valve embodying a casing having inlet and outlet chambers, and a valve between said chambers,

a piston chamber in said casing, a piston in said piston chamber connected to said valve, the under side of said piston being directly presented to inlet pressure only, a communication between the upper end of the piston cham-



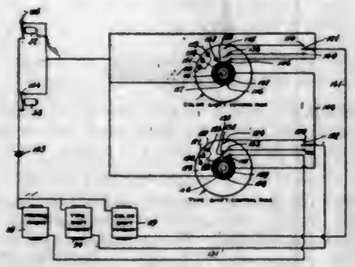
ber and the outlet chamber, a choked auxiliary passage leading from the inlet chamber to the upper end of the piston chamber, a regulating valve arranged in said first named communication, and a spring pressed regulating means abutting said regulating valve.

1,627,444. METHOD OF TELEGRAPHY. FOWLER McCORMICK, Chicago, Ill. Filed Dec. 10, 1925. Serial No. 74,454. 11 Claims. (Cl. 178—88.)



1. A signaling system comprising a transmitting station and a receiving station, means at said receiving station for printing received messages in plain language, said means being controllable from said transmitting station, and a color changing mechanism at said receiving station whereby any letter, word, phrase or sentence forming part of a transmitted message can be printed in a different color from that of the remainder of the message, said color changing mechanism being also controllable from said transmitting station, the arrangement being such that any desired portion or portions of a message can be transcribed in a different color from that of the remainder of the message at the will of the transmitting operator.

1,627,445. PRINTING TELEGRAPHY. FOWLER McCORMICK, Chicago, Ill. Filed July 16, 1926. Serial No. 122,806. 2 Claims. (Cl. 178—40.)



2. In telegraphy, the method of clearly setting off the sentences of received messages which consists in inscribing alternate sentences with one style of type and inscribing the other sentences with a distinctly different style of type.

1,627,446. DETERSIVE COMPOUND. JAMES FREDERICK MOSELEY, Manchester, England. Filed Sept. 1, 1921, Serial No. 497,667, and in Great Britain Oct. 16, 1919. 3 Claims. (Cl. 87—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

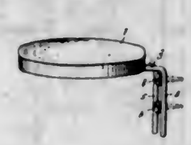
1. As a composition of matter, a detergent product consisting of a homogeneous, smooth, aqueous emulsion containing a saponaceous substance, water, an organic grease solvent undissolved by the water, and an aluminium silicate having the hydratable colloidal properties of bentonite, namely that by simply stirring the said colloidal silicate with water a homogeneous colloidal solution is obtained.

1,627,447. COMBINATION TERMINAL. JOHN J MUCHER, Brooklyn, N. Y. Filed July 23, 1924. Serial No. 727,812. 1 Claim. (Cl. 73—259.)



A terminal for the carbon electrode of dry cells comprising a cap having two spaced and oppositely arranged elongated struck up tongues and a struck up eyelet at one end of the tongues and a wire clamping terminal member having a base provided at one end with an opening and arranged between the tongues of the cap, the tongues being bent down upon and into firm engagement with the base of said member and the eyelet passed through the opening of said base and upset.

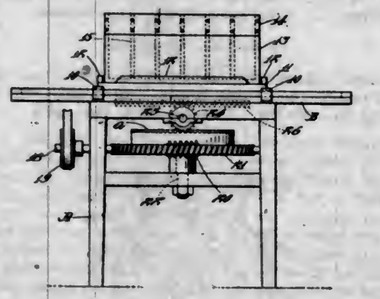
1,627,448. BIRD PERCH. CHARLES WILLIAM MUELLER, Jersey City, N. J. Filed Sept. 23, 1924. Serial No. 739,398. 2 Claims. (Cl. 119—26.)



1. A perch, comprising a platform, an angle bracket consisting of a double run of parallel integral members connected at one end and constituting a horizontal and a vertical depending bifurcated portion integral with one end of the horizontal portion, said horizontal portion secured at its end to the under face of the platform devices securing each run of the wire to the platform at a point removed from the free end of said horizontal portion, and said vertical depending bifurcated portion adapted to engage a pair of headed devices secured to a wall, said platform adapted at one end to fit against the wall.

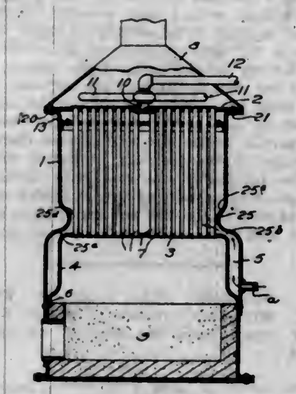
1,627,449. BOXING MACHINE. WILLIAM NOBLE, Northampton, Mass., assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a Corporation of Massachusetts. Filed May 18, 1923. Serial No. 639,989. 9 Claims. (Cl. 226—2.)

1. A machine for delivering elongated articles and arranging them in parallel relation comprising, in combination, means for delivering said articles in the direction of their length, a box arranged to receive said articles and having partitions disposed substantially parallel to



the direction of delivery thereof, and means for moving said box in a direction transverse to said direction of delivery as said articles are delivered thereto.

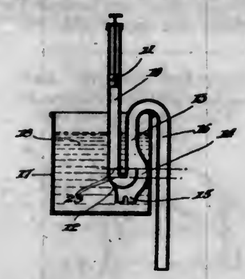
1,627,450. STEAM GENERATOR. JOHN FRANCIS OTIS, Oswego, N. Y. Filed June 28, 1920, Serial No. 392,402. Renewed Feb. 21, 1927. 2 Claims. (Cl. 122—126.)



1. A steam generator having a water leg provided with the feed water inlet, and embodying upper and lower tube sheets, fire tubes joining said sheets, and an enclosing single-section shell joining said tube sheets, said shell formed with an intermediate inward annular bulge closely approaching the tubes without contacting the same and extending inwardly over the water leg and over and approaching the bottom flue sheet to cooperate therewith forming the water leg with an annular contracted top mouth opening inwardly above the bottom sheet to maintain a flow of water from the leg inwardly on the flue sheet, the upper side of said bulge arranged to direct water flowing down above the bulge inwardly among the tubes, said bulge forming the shell with an intermediate longitudinally expansible portion.

1,627,451. SIPHON. JOHN HAMMOND PALMER, Rossland, British Columbia, Canada. Filed Aug. 16, 1926. Serial No. 129,513. 1 Claim. (Cl. 137—20.)

A device of the character described and in combination, a single length of tube bent twice on itself to form the long limb and the short limb of a siphon, a third limb integral with the short limb, a bulbous enlargement formed on the short limb, a partitioning element integral with the third limb and extending into the enlargement and conforming to the contour thereof to divide the en-

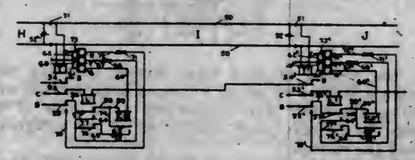


largement into two passageways communicating directly with the short limb and the third limb respectively, and a port in the enlargement.

1,627,452. PROCESS FOR MAKING FATTY ACIDS FROM HYDROCARBONS. WALTHER CORNELIUS HARRY PATAKY, The Hague, and FREDERIK JAN NELLENSTEIJN, Delft, Netherlands. Filed Aug. 24, 1925, Serial No. 52,226, and in Germany Aug. 27, 1924. 31 Claims. (Cl. 260—116.)

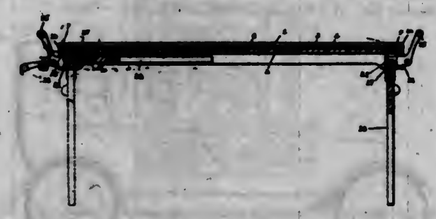
1. The process of making fatty acids from hydrocarbons, said process consisting in acting on the hydrocarbons in the liquid phase with an oxidizing agent and distilling off the fatty acids immediately upon their production.

1,627,453. CONTROL MEANS FOR LIGHT SIGNALS. JAMES A. PEABODY, Evanston, Ill., assignor to General Railway Signal Company. Original application filed Jan. 24, 1924, Serial No. 688,238. Divided and this application filed Oct. 19, 1925. Serial No. 63,376. 18 Claims. (Cl. 246—41.)



16. A multiple aspect light signal for railroads having lamps controlled according to traffic conditions ahead, and automatic means independent of traffic conditions, for lighting a second lamp after a first lamp fails and traffic conditions are such that the first lamp should be lighted.

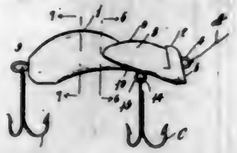
1,627,454. COMBINED TRAY AND TABLE. LILIAN A. PHALON, Rochester, N. Y. Filed Mar. 29, 1926. Serial No. 98,072. 4 Claims. (Cl. 45—11.)



2. In a combined serving tray and table, the combination of a tray or table top, a handle for carrying said tray or table top pivoted at each end thereof, a supporting leg pivoted at each end of said tray or table top, a locking member provided on each of said legs and a locking member provided on each of said handles, said

locking members being adapted to cooperate with each other to hold said legs in either a vertical or horizontal position on said tray when said handles are placed in a position for carrying said tray or table top.

1,627,455. ARTIFICIAL FISHING BAIT. OSCAR W. PETERSON, Cadillac, Mich. Filed Aug. 26, 1926. Serial No. 131,694. 2 Claims. (Cl. 43—46.)



1. An artificial fishing bait, comprising a body portion, a head on said body portion, a portion at the rear of said head having its sides inclined laterally and rearwardly forming planes at the two sides of the body portion, the upper and under sides of said planes tapered on curved planes rearwardly, the rear of the head formed V-shaped with downwardly and rearwardly inclined surfaces, means to secure a fishing line to the head, and means to attach a hook to the body portion.

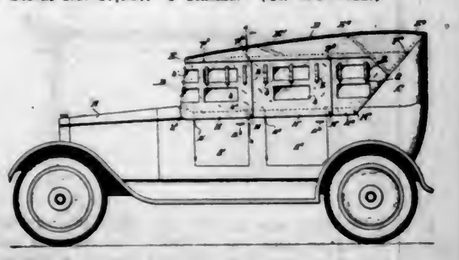
1,627,456. METHOD OF SAND-BLAST RELIEF CARVING. GEORGE RANNIE PHILIP, Northfield, Vt., assignor to Cross Bros. Company, Northfield, Vt., a Corporation of Vermont. Filed Sept. 1, 1926, Serial No. 133,074. Renewed Feb. 24, 1927. 9 Claims. (Cl. 41—39.)



4. The method of sand blast carving including sand blasting a sinkage to secure a desired configuration, sand blasting a vertical wall around the outer edge of the sinkage, and finally sand blasting all of the background around the sinkage.

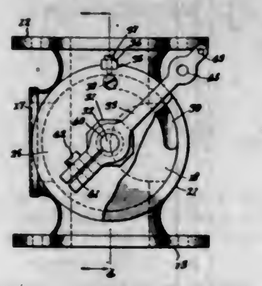
5. A sand blast carving having a background, and a design formed thereupon in relief and having the face thereof formed with a sinkage, the side walls of said design being substantially perpendicular to the background to produce sharp edge around the design, said side walls extending to the base of a depression cut into the background and following the contour of said relief-design.

1,627,457. AUTOMOBILE CURTAIN. WILLIAM H. PRITCHETT, San Diego, Calif. Filed Aug. 3, 1925. Serial No. 47,947. 3 Claims. (Cl. 296—141.)



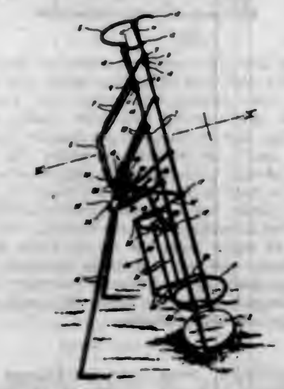
1. An automobile curtain arrangement comprising a side curtain suspended from the upper portion of the vehicle and adapted to swing outwards at the bottom, a rod secured along the lower edge of said curtain, and a snap fastener connecting a lower corner of said curtain to the frame of the car adjacent the opening edge of a swinging door, and adapted to be automatically disengaged when the door strikes said rod incident to the operation of opening the door, substantially as described.

1,627,458. GASOLINE REGULATOR. WILLIAM HENRY PRITCHETT, San Diego, Calif. Filed May 17, 1926. Serial No. 109,732. 1 Claim. (Cl. 251—91.)



A fuel regulator for intake pipes of internal combustion engines, comprising a valve casing in the intake pipe having a through port and a lateral port opening into the through port, a core mounted to turn in the casing and having corresponding through and lateral ports, means for turning the core to adjust the ports thereof relatively to the ports of the casing, a disk on one end of the core overlapping the adjacent end of the casing to close the casing and retain the core therein, said end of the core having a curved slot therein facing the outer portion of the disk and covered thereby, a stop screw mounted in the disk and projecting into the slot to limit the turning of the core, said casing and disk having registering sockets at the periphery of the disk, and a key secured to the disk and engaging in said sockets to hold the disk from turning relatively to the casing.

1,627,459. HOLDER AND CARRIER FOR GOLF CLUBS. WILLIAM C. RANNEY, Elbridge, N. Y. Filed Feb. 15, 1926. Serial No. 88,479. 10 Claims. (Cl. 150—1.5.)



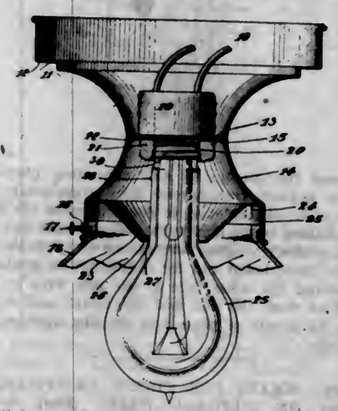
1. In a holder and carrier for golf clubs, the combination of a frame in which the clubs may be set, movable rigid confining arms for holding the clubs in the frame, manually operated means by which the arms may be set to open or to closing position, as desired.

1,627,460. CUFF LINK. WILLIAM ELLSWORTH ROBERTS, Kenosha, Wis. Filed July 21, 1926. Serial No. 124,003. 2 Claims. (Cl. 24—102.)



1. A cuff link of the character described comprising separable parts each including a head, a shank extending from the head, a flange formed on the shank and cooperating with the head for receiving a cuff, a link for each part and being provided with an enlarged portion secured between said head and shank, a restricted portion formed on each link adjacent its enlarged end and being bent away from the head to accommodate a fold of the cuff, means for securing the links in pivoted association and additional means for detachably clamping said parts together.

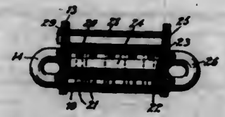
1,627,461. LIGHTING FIXTURE. GROSVENOR P. ROBINSON, Summit, and WILLIAM T. BLACKWELL, Westfield, N. J.; said Robinson, assignor, by mesne assignments, to said William T. Blackwell. Filed June 7, 1924. Serial No. 718,449. 1 Claim. (Cl. 240—78.)



In a lighting fixture comprising a canopy having an inwardly turned annular flange at its bottom, a shell having an inwardly turned annular flange at its top in contact with and corresponding with the flange on the canopy, a lamp receptacle seated upon the flange on the canopy and having a threaded metallic member extending below the flange on the top of said shell, a ring of non-conducting material screwed upon said threaded member, a lamp stop secured within the shell below said receptacle at a predetermined distance therefrom and provided with an opening in alignment with the lamp receptacle, an incandescent lamp the neck of which passes through such opening and into connection with said receptacle, said lamp stop permitting only of such connection where the neck of the lamp bulb is of a predetermined length.

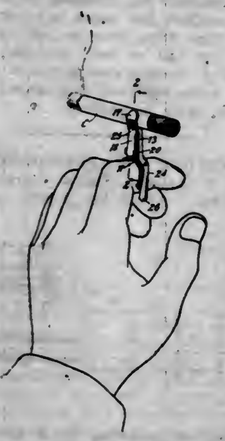
1,627,462. COMBINATION LOCK. FRANK DANIEL ROHMER, Lackawanna, N. Y. Filed Jan. 6, 1926. Serial No. 79,622. 1 Claim. (Cl. 70—19.)

In a combination lock, a spindle section including a spindle having a longitudinally extending groove therein, a key section including a bolt received in the groove and formed with a notched edge projecting laterally beyond the groove, discs rotatable on the spindle, including inwardly presented flanges accommodated in the notches, and having cutouts adapted to register with the projecting edge of the bolt to permit retraction of the latter, abutment plates at the ends of the bolt and spindle, and a bracing member carried by one abutment plate and



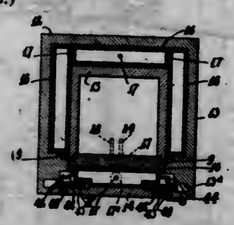
having its end received in a slot in the other abutment plate, said brace being arcuate in cross section and relatively wide to permit the attachment of an escutcheon plate.

1,627,463. CIGARETTE HOLDER. MICHAEL J. RUSSAK, New York, N. Y. Filed Nov. 28, 1925. Serial No. 71,984. 1 Claim. (Cl. 131—51.)



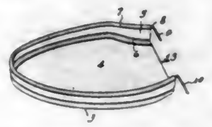
A cigarette holder comprising a substantially U-shaped spring clip for supporting the holder on a finger of a hand, a member having a jaw integral with the clip, a member having a jaw pivotally connected to said first member, means acting on the pivoted member constantly urging the jaw thereon toward the jaw on the other member, and lever means carried by the clip for effecting the movement of the pivoted member to move its jaw away from the other jaw.

1,627,464. SAFE. MATYAS SALAMON, Brooklyn, N. Y. Filed Apr. 13, 1926. Serial No. 101,610. 6 Claims. (Cl. 109—8.)



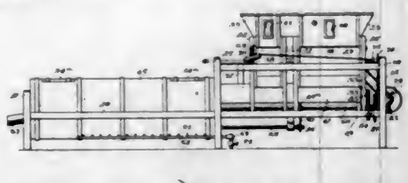
1. The combination, in a safe having its walls formed to present a number of air tight chambers, of a door, a main chamber therein, auxiliary side air boxes having flexible pipes communicating with said main chamber, and laterally slidable in groves in the door proper, and manual means to project said auxiliary air boxes outwards, or inward to present a larger target for burglars attempting to drill the safe.

1,627,465. REMOVABLE HALFSOLE FOR SHOES. ANDREW S. SIMKO, Passaic, N. J. Filed Apr. 22, 1926. Serial No. 103,940. 1 Claim. (Cl. 36—15.)



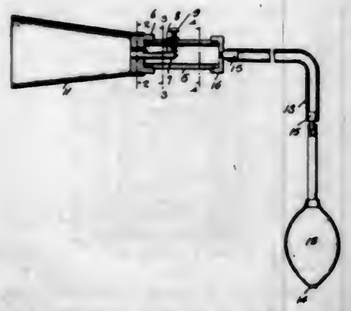
The combination with a shoe having openings in the sole near the instep, of a removable half sole adapted to fit over the front part of the sole of said shoe and extend to a position substantially over said openings, said removable half sole including a flexible member extending from the edge over the edges of the sole of the shoe, a wire tension member mounted in one edge for the full length of said flexible member and extending through said openings for clamping the edge of the flexible member against the upper part of said sole, the ends of said wire being bent to rest against said sole and beneath the end of said half-sole, and fastening means extending through said half sole near the instep and acting to clamp said half sole against said bent ends for locking the same in position.

1,627,466. METHOD OF PREPARING FOOD SUBSTANCES. WILLIAM A. SMITH, Clarkson, N. Y. Filed Jan. 15, 1925. Serial No. 2,489. 3 Claims. (Cl. 99—11.)



1. A method of preparing apple sauce consisting in cutting up the apples, mixing the same with sugar in proper relative proportions to coat the apple pieces with a sugar film, and moving the compound in an unbeaten state through a flow of free steam to moisten and cook the same.

1,627,467. PNEUMATIC HORN. GUY V. SPARLIN, Tampa, Fla. Filed Oct. 24, 1925. Serial No. 64,609. 1 Claim. (Cl. 116—139.)



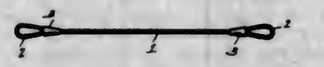
A horn of the character described comprising a sound amplifier having a constricted end, a cap body comprising a cylindrical member having external threads throughout substantially half its length and designed to connect the body to the constricted end of the amplifier, said cap having a pair of concentrically arranged longitudinally extending aligned bores, one of greater diameter than the other and each provided with screw threads, throughout its length, the bore of smaller diameter being in that end of the body having the external threads thereon, said bore of smaller diameter opening into the aligned other bore, a reed tube having one end threaded into said small bore, a reed carried by said tube and having one end fixed thereto, the other end being directed toward the forward end of the tube, an elongated tubular body encasing the projecting portion of said reed and having one end journaled into the bore of greater diameter, a cap member threaded upon the other end of said tubular body, and means for forcing air through said cap member, substantially for the purpose set forth.

1,627,468. PICTURE. CHARLES MONROE STITT, Los Angeles, Calif., assignor of one-third to Alfred McDonald, Los Angeles, Calif., and one-third to William J. Reiter, Santa Monica, Calif. Filed June 29, 1925. Serial No. 40,228. 2 Claims. (Cl. 41—21.)



1. Means for preserving and exhibiting photographic prints on flexible, transparent films, comprising a sheet of clear glass dimensioned to conform with the film and for disposition in contact with and covering one face of the film, a sheet of glass having one of its faces frosted, similarly dimensioned and for disposition in contact with and covering the other face of the film with its frosted face spaced from the film and outermost, and means for holding the sheets of glass and the film against relative movements.

1,627,469. MEANS FOR FIXING ARTIFICIAL HAIR DRESS ON NATURAL HAIR. EMIL SYPTROTH, Schwab-Gmund, Germany, assignor to Gustav Sattler, New York, N. Y. Filed Dec. 21, 1925, Serial No. 76,874, and in Germany Oct. 10, 1925. 5 Claims. (Cl. 132—54.)



1. Means for securing an artificial hair dress on natural hair comprising a spiral fastening member having convolutions of slight pitch, adjacent convolutions being adapted to clamp natural hair therebetween, said fastening member being adapted to support the artificial hair dress.

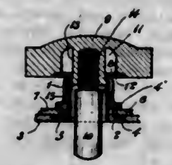
1,627,470. SAFETY HOOK. SAMUEL K. TIBBENS, Harrisburg, Pa., assignor of one-half to William F. Martin, Harrisburg, Pa. Filed Dec. 30, 1926. Serial No. 157,997. 3 Claims. (Cl. 24—232.)

1. A device of the class described comprising a shank having a return bend at one end providing a hook whose bill extends toward the other end of the shank, said shank having a shoulder opposite said bill facing laterally away from the latter, a second shank pivoted between its ends to said other end of the first named shank and normally disposed substantially in alinement therewith, said second shank having an inner end which then abuts said shoulder, and limits the movement of said inner end toward said bill, and a guard finger integral with the inner end portion of the second shank and normally



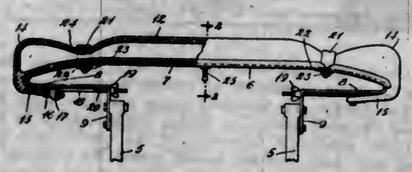
abutting the edge of the aforesaid bill disposed toward the two shanks, the outer end of said second shank having means facilitating its connection with an extraenous member.

1,627,471. DUSTPROOF GUARD. ARTHUR W. WADSWORTH, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Mar. 12, 1925. Serial No. 14,947. 7 Claims. (Cl. 58—90.)



5. In a dust-proof guard, a crown having a boss, a tubular flanged guard in which said boss is slidably mounted, and means for preventing detachment of said crown from said guard.

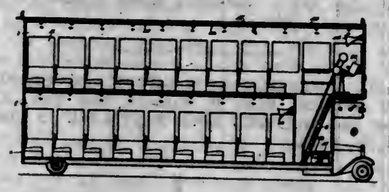
1,627,472. PNEUMATIC BUMPER. EDWARD P. WATSON, Floral Park, N. Y. Filed Nov. 26, 1926. Serial No. 150,782. 10 Claims. (Cl. 293—55.)



1. The combination with a spring bumper, of an inflatable body mounted upon the outer face of said bumper, said body being of greater width and length than the front plate of said bumper, means for retaining said body against displacement from said bumper, said means including keepers, and adjustable members coupled with the ends of said body.

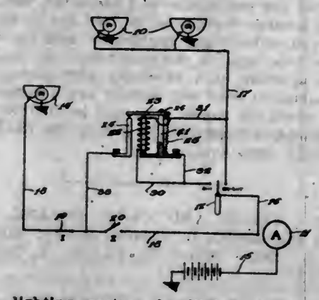
1,627,473. PASSENGER AND MOVING-PICTURE ADVERTISING BUS. ABRAHAM ZILBERSHER, New York, N. Y. Filed June 2, 1926. Serial No. 113,196. 1 Claim. (Cl. 296—21.)

In a bus a body provided with a roof having an opening therein, a moving picture screen hingedly connected to the body at the rear end, a bracing link pivotally connected with the screen, said bracing link having at its free end a hook, a bracket secured to said roof, said bracket being bifurcated, a pin carried by the bracket for receiving said hook, a clamping member for squeezing the parts of the bracket together for clamping said



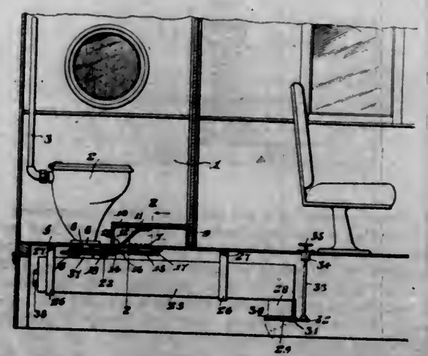
hook and thereby prevent accidental disengagement thereof, and a projecting machine carried by said body adapted to project pictures through said opening onto said screen.

1,627,474. LIGHT-CONTROL SYSTEM. EARL W. ARCHER, Cambridge, Ohio. Filed Mar. 1, 1926. Serial No. 91,630. 5 Claims. (Cl. 171—97.)



1. In a lighting system, headlights, a primary circuit for said headlights, a secondary circuit for said headlights including a relay coil, a spotlight in a shunt circuit connected with said primary circuit and controlled by said relay coil, and a switch movable to one position for closing the primary circuit and to another position for closing said secondary circuit.

1,627,475. LAVATORY. GARLAND I. BARBOUR, Akron, Ohio. Filed Dec. 2, 1926. Serial No. 152,207. 1 Claim. (Cl. 4—8.)



A lavatory for a travelling vehicle comprising an excrement storage tank adapted to be suspended from the bottom of the vehicle and having a normally closed inlet and a normally closed discharge opening, a shiftable, spring controlled apertured slide valve arranged over said inlet for normally closing it, a vertically movable,

pressure operated, spring controlled platform connected with said valve for shifting it to open said inlet, when the platform is depressed, for the passage of excrement to the tank, and a controlling spring common to said slide valve and platform.

1,627,476. STATIONARY-WASHTUB COVER-HOLDING DEVICE. JOHN H. BARRETT, New York, N. Y. Filed Dec. 18, 1926. Serial No. 155,701. 2 Claims. (Cl. 24—230.5.)



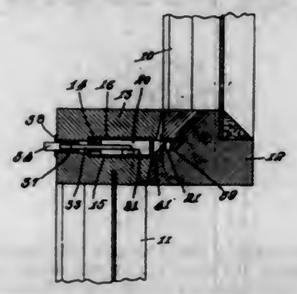
1. A device for holding a flanged washtub cover in open elevated position, comprising a flexible element anchored at one end to the wall above the washtub, and a hooked member carried by the free end of the flexible element and embracingly engageable with the flange at the outer free edge of the washtub cover, said hooked member consisting of a relatively wide element having a right-angularly bent end portion and a reversely bent terminal overlying, spaced from and parallel to the body of the member to embracingly engage the flange over a substantially wide area.

1,627,477. VALVE AND CAGE PULLER. HENRY BLUME and GEORGE B. STREITZ, Jordan, Minn. Filed Aug. 31, 1925. Serial No. 53,615. 1 Claim. (Cl. 29—86.3.)



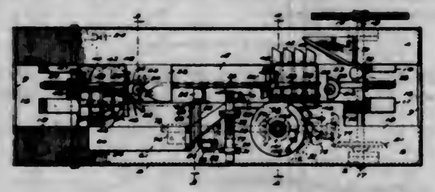
A removing tool for an overhead valve comprising a shank having a knocking head at its upper end and provided at its lower end with a pair of laterally spaced longitudinally extending integral legs parallel to and offset from said shank at their junction with the shank and adapted to straddle the valve stem cap and the upper portion of the valve spring, said legs being of different lengths and having inwardly turned hooks at their extremities to engage under diametrically opposite portions of a convolution of the valve spring, and an impulse member slidably mounted on the shank for co-action with said knocking head in producing upward impulses on the tool, which impulses are yieldably imparted to the valve assembly by the engagement of the hooks with the spring of said assembly.

1,627,478. SASH LATCH. EDGAR H. BOONE and JOHN W. COOK, Santa Rita, N. Mex. Filed Apr. 15, 1925. Serial No. 23,367. 1 Claim. (Cl. 292—166.)



In a window sash latch, a casing adapted to be embedded in the upper rail of the sash, a sliding bolt arranged within the casing and adapted to project through one wall thereof and having a notch in one edge, a spring for normally holding the bolt in projected position, a lever pivoted between its ends within the casing and having one end positioned within said notch, said lever having a longitudinal slot adjacent its other end, a pin slidable through the wall of the casing opposite the bolt and having its inner end turned downwardly and received by said slot, said pin having a longitudinal series of openings adjacent its other end, a slotted handle adjustable on said pin and having openings adapted to register with one of the openings in the pin, whereby said handle can be properly arranged with relation to any particular sash and a fastening element passed through said openings for holding the handle fixed on the pin.

1,627,479. SHRIMP-SHELLING MACHINE. FRANK C. BUCKNAM, New Orleans, La. Filed Feb. 19, 1927. Serial No. 169,593. 20 Claims. (Cl. 17—3.)

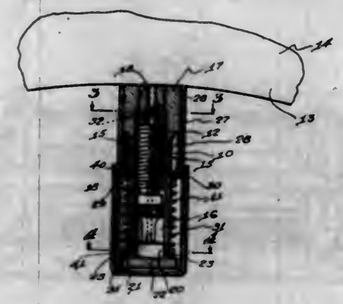


1. A machine for separating the meat from the shell of a Crustacea comprising an endless conveyor, a carrier secured thereto and including means for detachably fastening the shell thereto, a holder bodily carried by the conveyor, positioned forwardly of the carrier and provided with head severing means, means for scraping off the fins and feelers during the travel of the carrier, a revoluble meat picker element for removing the meat from the shell during the travel of the carrier, and means for shifting said fastener means to and from fastening position with respect to the shell.

1,627,480. COMBINATION DUST CAP AND LOCK NUT. ARTHUR T. CHRISTIAN, Glenview, Ill. Filed May 21, 1926. Serial No. 110,763. 3 Claims. (Cl. 152—12.)

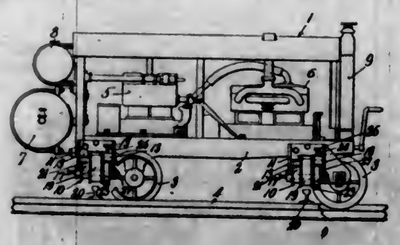
1. The combination with a pneumatic tire valve structure, of two clamping members each substantially semicircular in cross section defining a passage adapted to receive the valve structure and defining corresponding enlarged portions providing a bearing head, means pivotally connecting the opposite corresponding end portions of the two members together to permit said members to pivot toward and away from each other, a member movable relative to the two members adapted when disposed over the

enlarged portions to restrict pivotal movement of the two members away from each other and when disposed over the remaining portions of the two members to permit



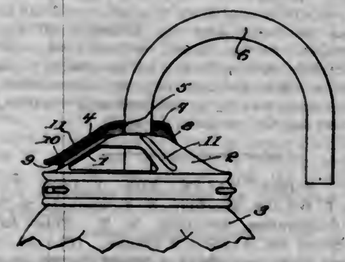
pivotal movement of the two members away from each other, and yieldable means for moving the member into position over the enlarged portions of the two members.

1,627,481. LIFTING MECHANISM FOR RAILWAY CARS. LEWIS J. CLAPP, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 1, 1926. Serial No. 139,006. 8 Claims. (Cl. 105—177.)



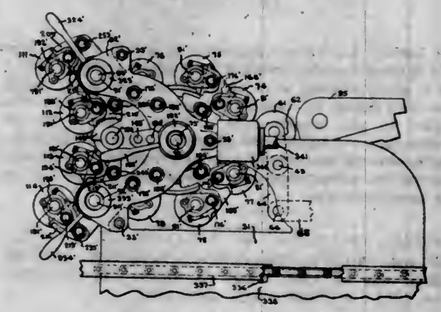
2. In a portable railway compressor outfit, the combination with a supporting frame and track wheels carried thereby, of brackets attached to said frame each carrying a shaft, lifting eccentrics rotatably mounted on said shafts, auxiliary wheels journaled on said eccentrics, and lever operated means for rotating said eccentrics to raise of lower said auxiliary wheels.

1,627,482. SMOKE SHIELD. LE ROY B. CLARK, Waterbury, Conn. Filed May 8, 1926. Serial No. 107,777. 1 Claim. (Cl. 240—120.)



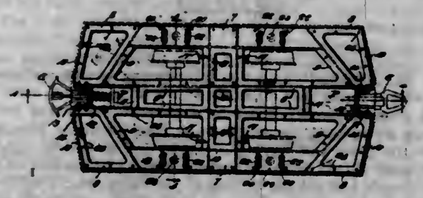
In combination with a burner pipe, its globe and globe supporting member, the globe supporting member having openings therethrough, radially disposed ribs on the upper surface of said supporting member, a shield extending over the openings in the supporting member to deflect the smoking gases passing through said openings, said shield having a part in its peripheral edge omitted to form a recess and shield provided with an opening centrally of the shield through which the burner pipe passes, supporting legs extending downwardly from the edges of the shield and having recesses in their lower ends to receive the ribs on the supporting member.

1,627,483. INKING MECHANISM FOR PRINTING MACHINERY. LESLIE W. CLAYBOURN, Milwaukee, Wis. Filed Oct. 21, 1925. Serial No. 63,973. 54 Claims. (Cl. 101—351.)



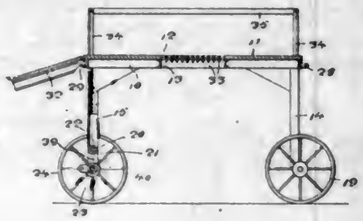
1. In inking mechanism for a printing press, the combination with the printing form, of form rollers, coacting rollers, means whereby to move said form rollers about the outer peripheries of said coacting rollers with which said form rollers have contact for distance relation of said form rollers with said printing form, and means for moving said form rollers for distance relation relation with said coacting rollers, said two named means operative for effecting said two movements in sequence.

1,627,484. CAR UNDERFRAME. THOMAS R. COOK, Scranton, Pa. Filed Dec. 23, 1926. Serial No. 156,654. 5 Claims. (Cl. 105—415.)



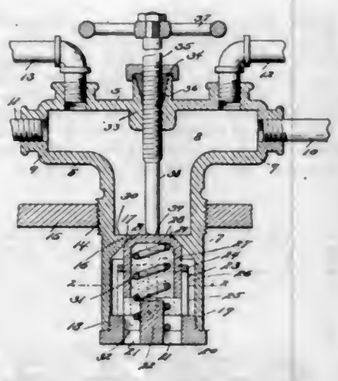
1. A one-piece car-length underframe comprising two inner substantially parallel longitudinal members, two outer longitudinal members laterally spaced from said inner members and having narrowed end portions, transverse members extending obliquely from the end portions of the inner members to the outer members and joined to the relatively wide body portions of the latter at their juncture with said narrowed end portions, said transverse members converging toward the ends of the frame, relatively weak end members connecting the ends of said inner members with the outer extremities of said narrowed end portions, and additional transverse members connecting said inner members with each other.

1,627,485. LOADING MACHINE. WILLIAM D. COOPER, Palmyra, Mo. Filed Oct. 17, 1925. Serial No. 63,120. 1 Claim. (Cl. 214—41.)



A loading apparatus comprising a frame, a supporting floor carried thereby having a rectangular opening including a grate therein, bars of different lengths depending from said frame, an axle having wheels mounted thereon carried by the longers bars, a bolster carried by the shorter bars, a sub-bolster pivotally mounted upon the aforementioned bolster, an axle and wheels therefor carried by the sub-bolster, and a draw bar carried by the last mentioned axle.

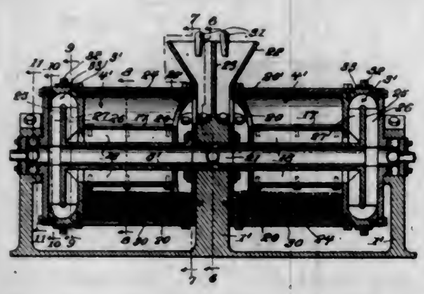
1,627,486. VALVE. FRANK S. CRAVENS, Olive Hill, Ky. Filed May 19, 1925, Serial No. 31,424. Renewed Mar. 14, 1927. 5 Claims. (Cl. 251—140.)



5. The combination with a valve casing having a chamber with a valve seat therein and an inlet and an outlet, of a plug removably fitted in a part of the casing and having an opening therethrough, a cage integrally formed with the plug and having a guide rim, a hollow valve fully open at one end and sealed at the opposite end by a flat closure and shaped to engage the valve seat, a spring mounted in the said valve and having one extremity engaging the inner portion of the flat closure and the opposite extremity associated with a portion of the plug, and a valve stem shiftably mounted in a portion of the casing and having a round free extremity to contact with the flat closure of the valve to open the latter simply by pressure, the valve stem being structurally independent and separable from the said valve.

1,627,487. BALL MILL. PAUL L. CROWE, Baltimore, Md. Filed Sept. 30, 1925. Serial No. 59,541. 3 Claims. (Cl. 83—9.)

1. A means for pulverizing coal or other fuel, comprising a hollow body having hollow shafts on the sides thereof, bearings for the shafts, said body being divided by a screen into compartments, impeller blades in said compartments, attrition balls in one of said compartments, means for delivering fuel into said compartment,



a hot air and an atmospheric air pipe communicating with the last mentioned compartment, and a burner tube connected to the hollow shaft of the adjacent compartment, all as and for the purpose set forth.

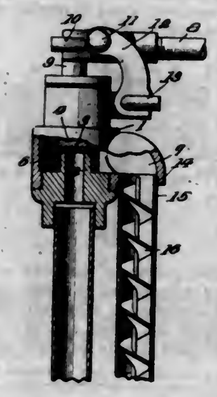
1,627,488. BALL MILL. PAUL L. CROWE, Baltimore, Md. Filed Sept. 30, 1925. Serial No. 59,542. 5 Claims. (Cl. 83—9.)

1. A ball mill for pulverizing coal and like combustible material and for delivering the powdered material to a burner, comprising a plurality of mill chambers, a hollow shaft for the mills, bearings for the shaft, weighted balls in each mill chamber, a screen in each mill chamber, hoppers communicating with the chambers outward of the screens and through which the material is introduced, an impeller chamber in each mill, impellers in the chambers comprising oppositely directed curved fan blades, a partition associated with the hollow shaft and arranged between the fan blades, the outer series of fan blades communicating with the hollow shaft, oppositely directed tubes communicating with the hollow shaft, and means for simultaneously or independently revolving the mills, as and for the purpose set forth.

1,627,489. FLOAT VALVE FOR FLUSH TANKS. EDWARD L. DELANY, Brooklyn, N. Y., assignor to Delany Realty Corporation, Brooklyn, N. Y. Filed July 8, 1925. Serial No. 41,352. 3 Claims. (Cl. 137—104.)

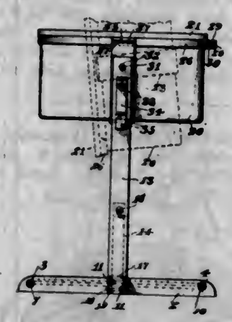
3. A float valve comprising a casing having an inlet, a raised seat around the inlet, a valve within the casing and cooperating with the seat, said casing having a large space entirely surrounding the valve and seat and above and below the seat, a discharge passage from the casing

and communicating with the space surrounding the seat, and a pipe removably connected within the discharge and having baffles detachably mounted therein to cause a back



pressure in the space around the valve to prevent hissing during the last part of the closing operation of the valve.

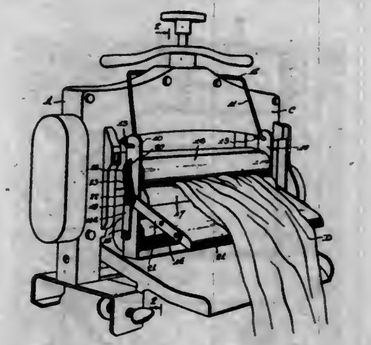
1,627,490. TILTING STAND FOR CROCKS. JOSEPH DISIBIO, Detroit, Mich. Filed Feb. 20, 1926. Serial No. 89,732. 3 Claims. (Cl. 248—58.)



1. A tilting stand for a vessel comprising a pair of standards, a base common thereto, a vessel holder pivotally supported from and extending above said standards and including a U-shaped slotted body portion, the slots in said body portion arranged above the pivot means for the holder, a split annulus positioned within the upper part of said body portion and having means coacting with the slots of the latter to provide a slidable supporting connection between the annulus and the holder, and means for adjustably connecting the split ends of the annulus together.

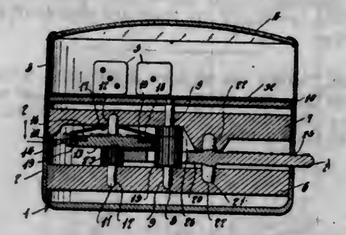
1,627,491. SAFETY FEED MEANS. WILLIAM DOBLLNER, Jersey City, N. J. Filed Sept. 30, 1926. Serial No. 138,757. 3 Claims. (Cl. 68—32.)

1. In a safety feed means for directing articles through rollers, a frame, means to swingably mount said frame adjacent to the rollers to be fed, feed rollers in said frame, a drive roller for the feed rollers also mounted



in said frame, means to move the feed rollers into close relation and means to throw said drive roller into driving engagement with one of the first mentioned rollers.

1,627,492. DICE SHAKING OR THROWING DEVICE. WILLIAM H. DROGE, Detroit, Mich. Filed Aug. 12, 1926. Serial No. 128,866. 3 Claims. (Cl. 273—145.)



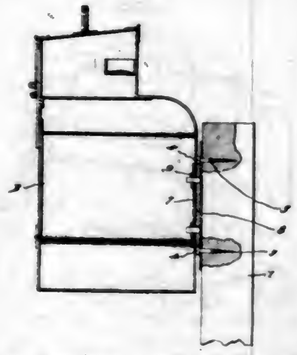
2. A dice shaking or throwing device comprising a casing having a transparent top, a table rotatably supported within the casing and upon which the dice rest, a pinion fixed to the table, a disk rotatably supported within the casing, a ring gear loosely mounted on the disk and meshing with the pinion, means adapted to lock the gear to the disk when the latter is rotated in one direction, a pinion fixed to the disk, a manually operable sector gear meshing with the pinion fixed to the disk, and a spring secured to the casing and sector gear.

1,627,493. ELECTRICAL CONDENSER. WILLIAM DUBILIER, New Rochelle, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 28, 1925. Serial No. 12,276. 7 Claims. (Cl. 175—41.)



1. An electrical condenser comprising elements to be of different potential, said elements having such physical characteristics that they can be caused by the use of force while the condenser is in the course of manufacture, to expand into the desired operative relations and maintain such relations when the force is removed.

1,627,494. BRACKET HANGER. WILLARD B. DWYER, Bennington, Vt. Filed Feb. 5, 1926. Serial No. 86,288. 1 Claim. (Cl. 232—39.)



A means for supporting a rural mail box on a post, comprising a plate secured on the post by screws, the heads of the screws being square or rectangular, apertured studs projecting from the plate and disposed in a line with the heads of the screws, reinforcing strips arranged respectively on the inner and outer faces of the back of the mail box, the outer strip adapted to be received against the post and to have its ends contacted by the heads of the screws, said strips and the back of the box having openings for the studs, and cotter pins passing through the openings in the studs and contacting with the inner strip.

1,627,495. BUSH OR PLANT SUPPORT. MICHAEL P. EFFLEY, Lowville, N. Y., assignor of one-half to E. H. Barnes, Lowville, N. Y. Filed Mar. 18, 1926. Serial No. 95,744. 2 Claims. (Cl. 47—47.)



1. A plant support, comprising a post, a ring for enclosing a plant, said ring having a portion thereof surrounding and slidably mounted on the post, a hook on said ring, and means on said post to engage said hook to hold the ring.

2. A plant support, comprising a post, a ring for enclosing a plant slidably mounted on the post, said ring having a loop formed therein by crossing the material of the ring and adapted to embrace the post, a hook formed from said loop, and the post provided with means to engage the hook to hold the ring in position thereon.

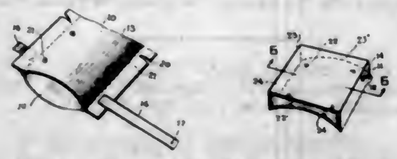
1,627,496. HAND BAG. EDWARD ELIAS, Brooklyn, N. Y. Filed Nov. 8, 1926. Serial No. 147,068. 7 Claims. (Cl. 150—30.)

1. An envelope hand bag including a front section and a rear section connected at their lower edges, gussets connecting the lateral edges of said sections and co-operating therewith to form a pocket, a flap attached to the upper edge of the rear section and adapted to be folded over the face of, and secured to the front section, the upper ends of said gussets being extended to block the passage of small articles from the upper corners of the pocket under the flap, said extended upper end of the gusset folding inwardly along diverging fold lines and outwardly on a central fold line.



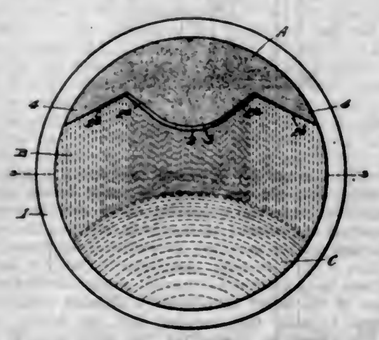
6. In a foldable container including a gusset, means for directing and determining the lines along which the gusset folds, comprising a relatively stiff reinforcing member laid against the gusset and having slots therein on which the member breaks or folds as the gusset is collapsed.

1,627,497. KNEE-PROTECTING DEVICE. BARTOLO GAMINO, Pigeon, Mich. Filed Apr. 22, 1926. Serial No. 103,729. 3 Claims. (Cl. 2—24.)



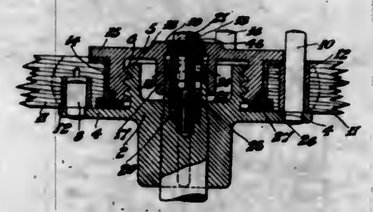
1. A knee pad comprising an inflatable bag of oval cross section, a cover enclosing said bag, and an inflatable member adapted to be detachably secured to said pad comprising a flat rigid upper surface adapted to provide a supporting platform on the knee of the wearer.

1,627,498. HEADLIGHT LENS. ADELBERT R. GIBSON, Los Angeles, Calif., and HERMAN E. SCHORR, New York, N. Y. Filed Dec. 7, 1922. Serial No. 605,407. 2 Claims. (Cl. 240—48.4.)



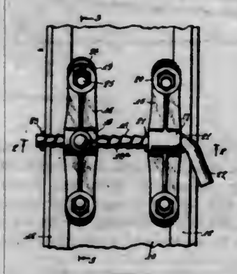
1. A lens comprising a plurality of zones, one of said zones extending from side to side through the central portion of the lens, comprising substantially half of its area, being provided with vertical prisms upon its interior side to distribute the light laterally, and a lower zone comprising a plurality of curved sections having prisms of varying sizes to distribute the light forward upon the roadway.

1,627,499. DETACHABLE WHEEL MECHANISM. WALTER VILLA GILBERT, Westminster, London, England, assignor to Gilbert's Patents Limited, London, England, a Company. Filed June 7, 1926, Serial No. 114,342, and in Great Britain Feb. 25, 1926. 9 Claims. (Cl. 301—9.)



6. In combination, an axle, a hub comprising a pair of concentrically arranged members one of which is mounted on said axle, and the other being detachable from the first named member and arranged for relative rotary movement with respect thereto, said members being provided with coacting means to secure said members together when in one relative position and to disconnect said members and permit the detachment of the second named member when said members are in another relative position, and a locking member to prevent casual relative rotary movement of said hub members, said locking member being mounted on said axle and movable into and out of engagement with said detachable hub member and a spring to normally hold said locking member in locking position.

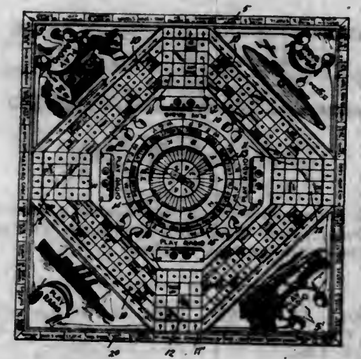
1,627,500. TIRE SPREADER. VERNON R. GOELLER, Boonton, N. J. Filed Jan. 19, 1927. Serial No. 162,110. 3 Claims. (Cl. 152—27.)



1. A tire spreading tool including a shank formed with a buttress thread, a pair of parallel arms including hubs through which the shank extends, both arms being free for rotary movement relatively to the shank and one of said arms being free for sliding movement on the shank, tire bead engaging rollers carried by the ends of the arms, a spring pressed dog working through the hub of the slidable arm and engaged with the buttress thread, whereby when the arms are engaged with opposite beads of a tire, rotation of the shank will effect separation of the arms to spread the tire.

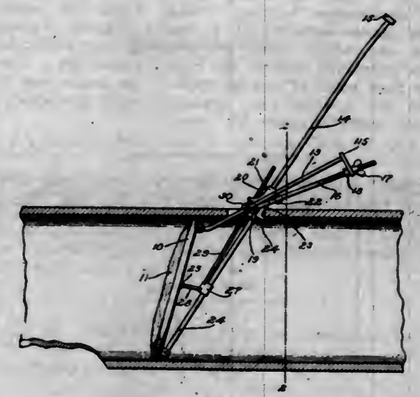
1,627,501. GAME. JACK J. GOLDTHORPE, Albany, N. Y. Filed Apr. 13, 1925, Serial No. 22,775. Renewed Mar. 25, 1927. 3 Claims. (Cl. 273—134.)

1. A game of the character described comprising a playing surface having a series of squared playing surfaces, means for selecting a combination of letters, counters to be arranged at the beginning of the playing



surfaces corresponding to the selected letters, and a chance device for indicating the move of such counters over the squared surfaces.

1,627,502. GAS-MAIN STOPPER. PATRICK GOODMAN, Brooklyn, N. Y. Filed Oct. 26, 1926. Serial No. 144,340. 4 Claims. (Cl. 137—76.)

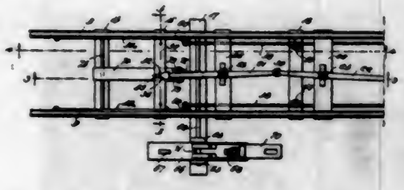


1. A gas main stopper including an expansible frame, means on the frame to effect the stoppage of the main, handle bars on the frame, means to cause expansion of the frame by a longitudinal movement of one handle-bar, a sleeve adjustable along one handle bar and a bracing connection between said sleeve and said frame, said bracing connection being additional to said expansion means.

1,627,503. RAILWAY-SWITCH LOCKING AND OPERATING MEANS. DINNEY F. GRIFFEY, Red Jacket, W. Va., assignor of one-half to Robert N. Cox, Red Jacket, W. Va. Filed Oct. 7, 1926. Serial No. 140,093. 7 Claims. (Cl. 246—323.)

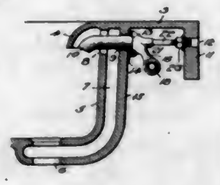
1. A mechanism of the class described comprising a train-actuated switch-throwing member between the track rails and shiftable toward and from the same, a locking member for said switch-throwing member mounted for vertical movement and extending under the latter,

yieldable means for normally sustaining said locking member in a raised position in which it engages and locks said switch-throwing member, and a train-de-



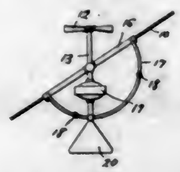
pressed rail connected with said locking member to depress and release the latter, permitting the train to shift the switch-throwing member.

1,627,504. LAVATORY. DAVID E. GULICK, Chicago, Ill. Filed Oct. 10, 1925. Serial No. 61,695. 6 Claims. (Cl. 4—195.)



1. In a concealed nozzle lavatory the combination with an overflow opening through which the supply nozzle makes delivery, of a second opening through which said nozzle enters the lavatory, and adjustable means interposed between the supply nozzle and a relatively fixed point of support whereby the nozzle may be forced into a water tight connection with the opening through which it enters the lavatory.

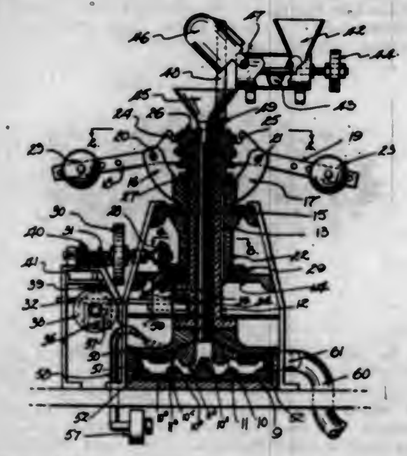
1,627,505. ADVERTISING DEVICE. CHAUNCEY GUYMON, Los Angeles, Calif. Filed July 24, 1925. Serial No. 45,925. 1 Claim. (Cl. 40—127.)



An advertising device of the character described comprising an electrically charged cable having a plurality of balloons arranged at spaced intervals throughout the length thereof, an advertising novelty suspended from the cable, a plurality of guide frames arranged at spaced intervals upon the cable, and electrically operated fans pivotally mounted upon and guided by the frames and having their force of propulsion transmitted from the electrically charged cable.

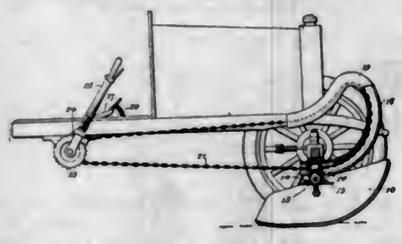
1,627,506. CRUSHING AND GRINDING MACHINE. AMOS CAMPBELL HAMEY, North Sydney, New South Wales, Australia. Filed Feb. 13, 1926, Serial No. 88,028, and in Australia Feb. 19, 1925. 5 Claims. (Cl. 83—10.)

1. In crushing and grinding machines, the combination with a base, and a rotatable and vertically reciprocable muller, of a plate supported on the base, said plate being conical centrally and provided with a circum-



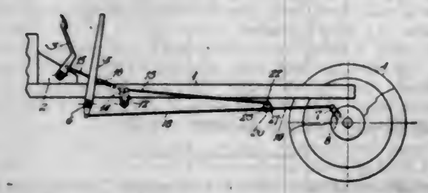
ferential groove or grooves, the working face of the muller having a correspondingly opposite ridge or ridges to said groove or grooves substantially as described.

1,627,507. RUNNER FOR AUTOMOBILE WHEELS. JASPER H. HAYNES, Bangor, Me. Filed May 18, 1926. Serial No. 109,955. 2 Claims. (Cl. 280—10.)



1. In combination with an automotive vehicle having a front wheel, a tubular track associated with the front wheel, a runner associated with the track and means operated from the driver's seat and connected to the runner and the track for moving the runner in the track to apply it and to remove it from the wheel.

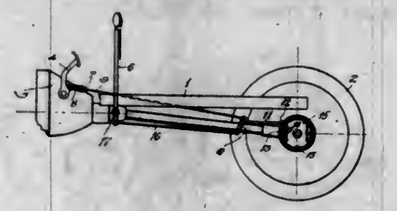
1,627,508. BRAKING MECHANISM, MORE PARTICULARLY FOR MOTOR VEHICLES. GLENN R. HOFFMAN, Springfield, Ill. Filed May 29, 1926. Serial No. 112,651. 5 Claims. (Cl. 188—106.)



1. A braking mechanism comprising a foot-lever operated "transmission" brake, a lever operated emergency wheel-brake, and means connecting both levers with the

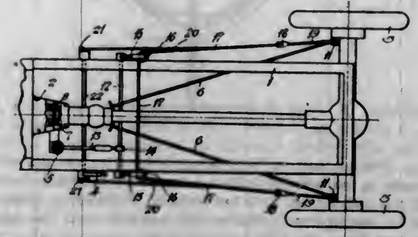
emergency wheel-brake, said means including a "floating" coupling member operable from the "transmission" brake lever for joint application of the transmission and the emergency brakes and from the emergency lever to apply the emergency-brake independently of the transmission brake.

1,627,509. BRAKING MECHANISM, MORE PARTICULARLY FOR MOTOR VEHICLES. GLENN R. HOFFMAN, Springfield, Ill. Filed May 29, 1926. Serial No. 112,652. 2 Claims. (Cl. 188—106.)



1. A braking mechanism comprising a foot-lever operated "transmission" brake, an emergency wheel-brake, an emergency brake lever, a power transmitting cable leading from the foot-lever, a power transmitting rod leading from the emergency lever, a rocking lever connecting the foot-lever cable and emergency lever rod, and a link connection between the rocking lever and emergency brake, whereby on actuation of the foot-lever both the transmission and the emergency brakes are applied, and on actuation of the emergency lever the emergency brake, alone, is applied.

1,627,510. BRAKING MECHANISM, MORE PARTICULARLY FOR MOTOR VEHICLES. GLENN R. HOFFMAN, Springfield, Ill. Filed May 29, 1926. Serial No. 112,653. 2 Claims. (Cl. 188—106.)



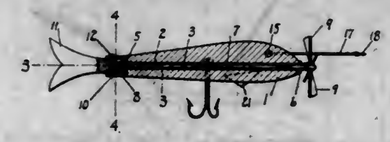
1. A braking mechanism comprising a lever operated "transmission" brake, an emergency wheel-brake, an emergency brake lever, a crank-shaft operatively connected with the "transmission" brake lever and having a cable connected with its opposite ends and extended rearwardly in the direction of the emergency wheel brakes, rods extending from the emergency lever and connected with the cable, and links connecting the cable with the emergency wheel-brakes, whereby on actuation of the "transmission" brake lever the transmission brake and both emergency wheel brakes will be applied and on actuation of the emergency lever the emergency wheel brakes, alone, will be applied.

1,627,511. DOLL HEAD. RUDOLPH ALDRIDGE HOPF, New York, N. Y., assignor to Averill Mfg Co., New York, N. Y., a Corporation of New York. Filed Sept. 17, 1926. Serial No. 136,184. 1 Claim. (Cl. 46—40.)



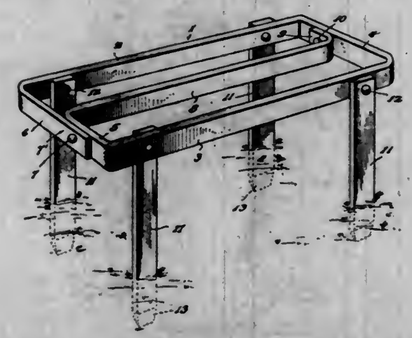
In combination with a doll head having a series of openings therein, of tufts projected through the openings into the interior of the head and secured in said head, said tufts spaced apart and said head having surface ornamentation representing hair, the tufts representing bunched portions of the hair.

1,627,512. ARTIFICIAL BAIT. CHARLES H. HUGHES and BERNARD E. KOTHE, Cincinnati, Ohio. Filed Aug. 3, 1925. Serial No. 47,840. 1 Claim. (Cl. 43—47.)



An artificial bait made in imitation of a fish and provided with empaling means and having a pivotally mounted tail, means to oscillate said tail, said bait having a transverse hole extending therethrough near its forward end and a bail having a loop at one part and hooks on its ends whereby when the hooked ends of said bait are inserted in said hole, said hooks will interengage and lock, substantially as set forth.

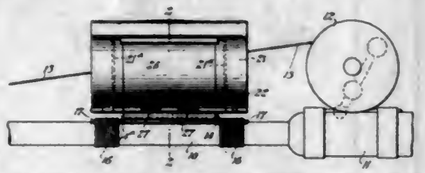
1,627,513. CAMP STOVE. THOR JOHNSON, Rolette, N. Dak. Filed Oct. 18, 1926. Serial No. 142,381. 3 Claims. (Cl. 126—30.)



1. A device of the class described, comprising a grid frame, consisting of side bars, a bar connecting one of the ends thereof, the other ends of the side bars having

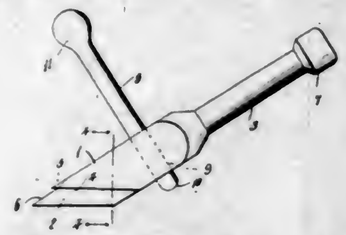
terminal sections disposed in overlapped relation, and constituting an end bar, one of said sections terminating in a center bar, said center bar having its terminal connected to the first named end bar.

1,627,514. LINE-DRYING ATTACHMENT FOR FISHING RODS. LOUIS KRAEMER, Yonkers, N. Y. Filed Oct. 16, 1926. Serial No. 142,043. 8 Claims. (Cl. 43—25.)



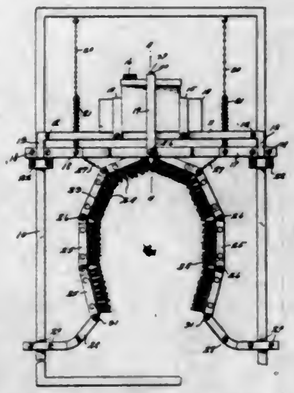
1. An attachment for fishing rods including a housing formed of two sections, one pivoted relatively to the other, means for guiding a line through the housing and a sponge in the housing over which the line is adapted to be drawn as it is reeled in, the guiding means including pairs of spaced guide wires between which the line runs.

1,627,515. REEFING IRON. CARL L. LAIRD, Galveston, Tex. Filed May 18, 1926. Serial No. 109,913. 3 Claims. (Cl. 114—224.)



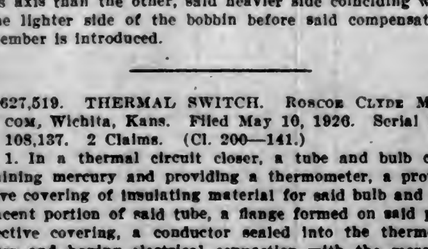
1. A reefing iron comprising a head, a blade carried by the head, a shank carried by the head, and an adjustable handle carried by the head.

1,627,516. AUTOMATIC CURRIER AND OILER. ERICK LARSON, Paullina, Iowa. Filed July 24, 1926. Serial No. 124,670. 8 Claims. (Cl. 119—157.)



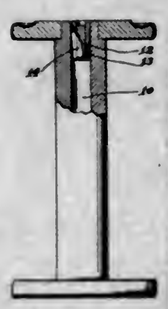
1. In a currier of the character described, a supporting frame, brush supporting members slidably mounted upon the frame, a brush operatively connected to the supporting members, an oil tank mounted upon the supporting frame, and means acting to cause the discharge of oil from the tank onto the brush when the brush is raised including a vertical discharge pipe within the tank, a lever pivoted within the tank, a cup carried by the lever, and means operatively connected to the supporting members for causing the lifting of the cup to discharge its contents into the pipe when the brush supporting members are lifted.

1,627,517. INDOOR GAME. JOHN S. LITTLEFORD, Jr., Fort Thomas, Ky. Filed Nov. 9, 1926. Serial No. 147,351. 8 Claims. (Cl. 273—87.)



1. In a game of the character described, including a miniature golf course, a ball, a driver having a curved or rocker-shaped bottom with a curved spring mounted thereon and having a depression to engage the ball, substantially as set forth and for the purposes specified.

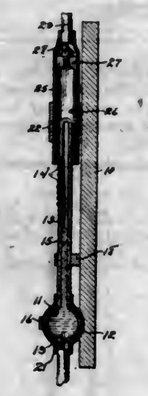
1,627,518. METHOD OF BALANCING BOBBINS AND THE LIKE. JACK LOCK, Lowell, Mass. Filed Apr. 16, 1926. Serial No. 102,512. 3 Claims. (Cl. 242—118.)



2. The method of balancing bobbins or the like, consisting in introducing into a bore coinciding with the axis of the bobbin, a member axially coinciding with the bobbin but in itself permanently heavier upon one side of its axis than the other, said heavier side coinciding with the lighter side of the bobbin before said compensating member is introduced.

1,627,519. THERMAL SWITCH. ROSCOE CLYDE MALCOM, Wichita, Kans. Filed May 10, 1926. Serial No. 108,137. 2 Claims. (Cl. 200—141.)

1. In a thermal circuit closer, a tube and bulb containing mercury and providing a thermometer, a protective covering of insulating material for said bulb and adjacent portion of said tube, a flange formed on said protective covering, a conductor sealed into the thermometer and having electrical connection with the mercury therein at all times, said conductor having an insulated portion received in said flange, a plurality of contacts sealed into the tube and adapted to have contact with the mercury therein when the latter rises under the influence of heat, a conducting member adapted to be brought into engagement with a selected one of said last mentioned contacts, said conducting member consisting of



a headed cylindrical metallic shell slidably mounted about the tube, a supporting bracket, a covering of insulating material for the shell member and being slidably arranged within said supporting bracket, and a conductor fixed to said head.

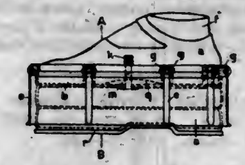
1,627,520. TIMER FOR INTERNAL-COMBUSTION ENGINES. STEPHEN P. MCDONNELL and PAUL A. VILLARS, Dallas, Tex. Filed Mar. 29, 1926. Serial No. 98,169. 1 Claim. (Cl. 200—26.)



A timer for internal combustion engines in combination with the cam shaft thereof, comprising a shell with electrical contact members, an annular toothed rim member on the interior of the shell; the cam shaft of the engine projecting into the shell and having a sleeve mounted on the shaft, said sleeve including a bracket for supporting a miniature shaft, a spur gear carried on the shaft and in mesh with the annular rim and contact points as the cam shaft rotates; said bracket having formed thereon a curved arm, a spring connected to the arm, the opposite end of the spring connected to said sleeve; said spring for the purpose of holding the spur gear in close contact with the sides of the teeth on said annular rim member and the contacts.

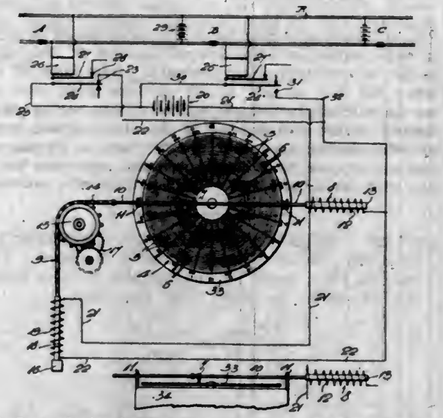
1,627,521. SWIMMING AND RUNNING SHOE. REINHOLD MENSCHEL, Berlin, Germany. Filed Jan. 6, 1927, Serial No. 159,476, and in Germany Dec. 9, 1926. 8 Claims. (Cl. 9—21.)

1. A swimming and running shoe, comprising, in combination, a foot support, the specific weight of which is lower than that of water, a frame attached to the upper side of said support, means for attaching said frame to a foot, stays hinged to the said frame, and a web fastened to said stays, and means for limiting the outward move-



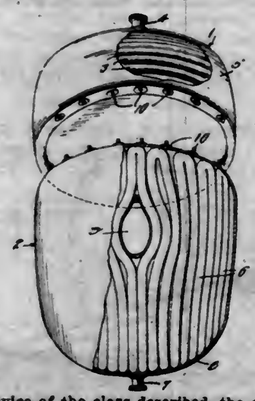
ment of the stays with said web when these members have arrived in their proper operative position, substantially as set forth.

1,627,522. AVERAGE-SPEED-RECORDING MEANS FOR RAILWAY TRAINS. THOMAS R. MILLS, Washington, D. C. Filed Mar. 19, 1926. Serial No. 96,011. 5 Claims. (Cl. 234—29.)



5. In a device having a block of trackage with track circuit and relay controlled by said circuit; electrically-controlled average speed recording means for trains passing over said block, and switch means controlled by said relay for bringing said recording means immediately into play when the front wheels of a train enter said block and for throwing said recording means immediately out of play when said wheels leave the block.

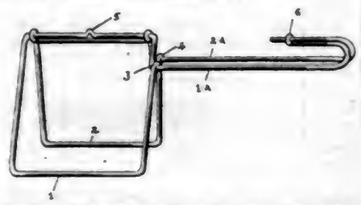
1,627,523. FACE MASK. ADRIAN K. MORRIS, Atlanta, Ga. Filed Mar. 10, 1926. Serial No. 93,671. 4 Claims. (Cl. 128—259.)



1. In a device of the class described, the combination of a pair of flexible coverings or shells one of said members being shaped in the form of a cap and the other said ele-

ments being shaped to constitute a face mask, means for releasably fastening one element to the other, each of the aforesaid elements having tubing coiled within the shell, and each also having a sealable vent in communication with the tubing in the respective shells.

1,627,524. LIFTING TONGS. EDWARD M. MORRIS, Rochester, N. Y. Filed May 29, 1926. Serial No. 112,640. 2 Claims. (Cl. 294—30.)



1. In a pair of lifting tongs, the combination of a pair of wire frames or loops hinged together at the top, a handle section projecting rearwardly from each of said loops, the end of said handle sections being bent forwardly with the end of one handle section having an eye formed thereon and the end of the other of said handle sections passing thru said eye to form a pivotal connection between said handle sections approximately in line with the hinged tops of said pair of wire frames.

1,627,525. DEVICE FOR CLEANING INTERDENTAL SPACES. HUGH MUNRO, Glasgow, Scotland. Filed Apr. 26, 1926, Serial No. 104,826, and in Great Britain Oct. 17, 1925. 3 Claims. (Cl. 132—92.)



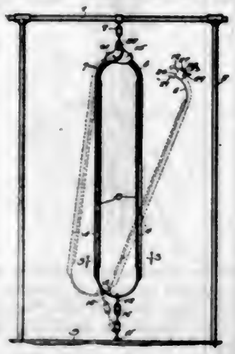
1. Device for cleaning interdental spaces comprising a bow having a loop at one end and limbs extending from said loop substantially parallel to each other, the limbs thereafter being crossed by bending them towards one another, through an angle of substantially 90°, and then extended again substantially parallel to each other and to their previous directions, such that when any portion of the limbs between the loop and the crossing are pressed together the ends move apart and exert longitudinal tension on a thread attached to the tips of the bow and at an angle to them of substantially 90°.

1,627,526. LIFTING JACK. LEONARD D. NILSON, Wayzata, Minn. Filed Nov. 18, 1925. Serial No. 69,851. 14 Claims. (Cl. 254—6.)



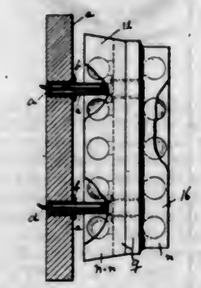
11. A jack comprising an elongated, low wheeled frame, a lifting element independently, guidingly held within the frame, said lifting member being adapted for movement from a supine position and substantially housed within the frame when in such position to a substantially vertical position, and a bar pivotally connected to said lifting member and having a pivotal and sliding connection with said frame.

1,627,527. STANCHION. GEORGE OBELE, Cedar Falls, Iowa, assignor to Clay Equipment Corporation, Cedar Falls, Iowa, a Corporation of Iowa. Filed May 21, 1921. Serial No. 471,336. 2 Claims. (Cl. 119—149.)



1. In a stanchion, the combination of a pair of spaced side bars connected together at their lower ends, said bars made of angle iron metal having the meeting ridge exteriorly thereof, and latching means at the upper ends of said bars, and a tongue projecting from the upper end of one of the bars and in alignment with the groove formed by the legs of said angle iron, and a pair of guards extending from said grooved end, one on each side thereof, to guide said tongue into said groove.

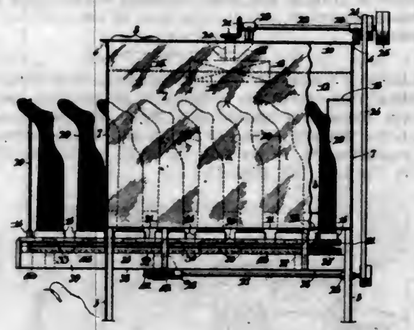
1,627,528. SIDE-READING ILLUMINATED SIGN. ERNEST PETER VINCENT, New York, N. Y. Original application filed Apr. 20, 1917, Serial No. 163,368. Divided and this application filed Sept. 1, 1922. Serial No. 585,680. 12 Claims. (Cl. 40—30.)



1. In combination with a support, a sign character, extensible means for supporting said sign character, spaced from the support, and illuminating means on the inner side of the sign character.

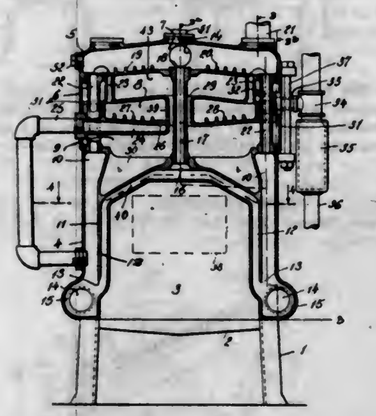
1,627,529. DRYING MACHINE. HARRY H. WIGGLESWORTH, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 28, 1924. Serial No. 716,329. 4 Claims. (Cl. 34—12.)

1. A drying machine comprising an enclosure having apertured partitions and a connected diaphragm affording a vertical drying corridor, detached form carriers traversible edge-on over a zig-zag course through said corridor in sequential alignment, and a horisontally



traveling conveyor for progressing said carriers through the enclosure with an interval of exterior exposure for the purposes specified.

1,627,530. SECTIONAL STEAM BOILER. CARL Z. ALEXANDER and EARL S. ALEXANDER, Newark, N. J., assignors, by mesne assignments, to Edwin C. Seward, Jersey City, N. J. Filed Oct. 5, 1921. Serial No. 505,674. 15 Claims. (Cl. 122—225.)



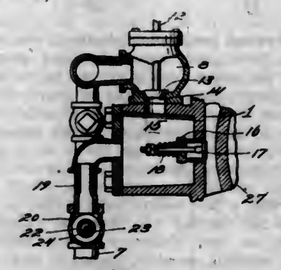
1. A boiler comprising a series of detachably connected vertical sections each comprising a fire box portion of water jacket construction having depending water legs of substantially the same width as the width of the fire box portion and connecting the upper parts thereof, a steam chamber portion co-operating with and connected to each fire box portion and comprising a plurality of communicating superimposed steam chambers each having elongated water channels, a substantially vertical geyser tube connecting each of the steam chamber portions with the water legs in the corresponding section and a lateral supplemental water supply connection between said upper steam chamber and the upper part of the said fire box portion to supply additional water to the steam chambers under forced firing conditions, there being a series of smoke flues adjacent said fire box water legs and below each of the steam chambers to supply heat thereto from the hot furnace gases, and furnace front and back members secured to said sections and formed with cleaning and firing doors and smoke box connections.

1,627,531. BUILDING CONSTRUCTION AND THE LIKE. FRANK A. BROWNE, Wayne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Aug. 17, 1925. Serial No. 50,634. 2 Claims. (Cl. 72—17.)



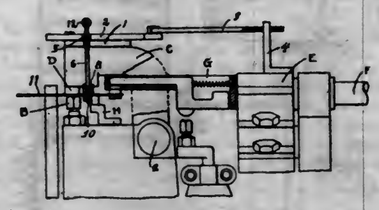
1. An interior wall construction comprising, in combination with the main wall structure or studding, a covering of bitumen saturated and coated fabric, mineralized with adherent granules, secured to said wall structure; and a covering of plaster interlocked with said granules.

1,627,532. INTERNAL-COMBUSTION ENGINE. SAMUEL B. GOLD, Independence, Mo., assignor to Weber Engine Company, Kansas City, Mo., a Corporation of Iowa. Filed Oct. 8, 1923. Serial No. 667,219. 6 Claims. (Cl. 123—73.)



4. In an internal combustion engine, the combination of a gas reservoir for communication with the crank-case, a valve to be unseated by a vacuous condition in the crank-case, and establish communication between the latter and the reservoir, means to reseat the valve when such vacuous condition ends, a gas line connected to the reservoir, a governor-controlled valve in the gas line, a by-pass from the gas line to said reservoir, a yieldingly-seated valve normally closing the by-pass, and manually-operable means for unseating the by-pass valve.

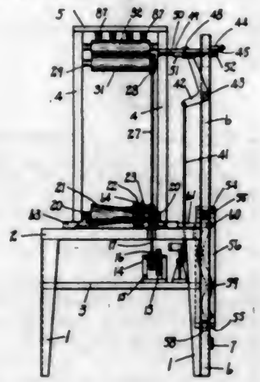
1,627,533. BALE-TIE MACHINE. ROY HEWITT, Sterling Ill. Filed Jan. 10, 1924. Serial No. 685,480. 3 Claims. (Cl. 140—73.)



1. In combination with a frame of a bale-tie machine, and a pair of wire-gripping jaws supported therein, one of which is rockably mounted with relation to the other, a wire straightening cam, movable beneath said rockable jaw, transversely thereof, a fixture supported on the

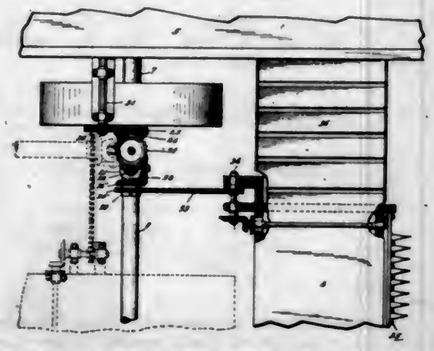
frame, in proximity to said last-named jaw, and means connected with said fixture for actuating said wire straightening cam upon said last-named jaw being suitably rocked.

1,627,534. THREAD-FEEDING ATTACHMENT FOR KNITTING MACHINES. EDWARD J. LOTTMAN, Cincinnati, Ohio, assignor of one-half to Walter B. Bassett, Cincinnati, Ohio. Filed Jan. 2, 1923. Serial No. 610,125. 3 Claims. (Cl. 66—9.)



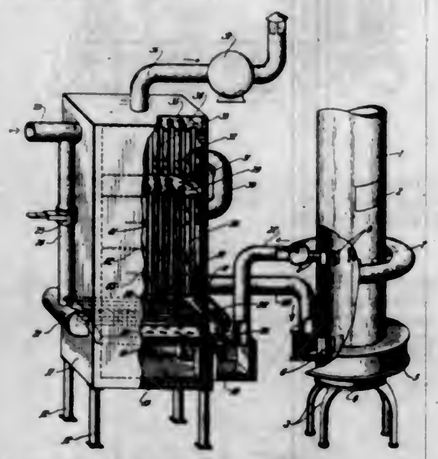
1. In mechanism for feeding elastic thread to knitting machines, a frame, superposed elongated gripping rolls arranged at the upper portion of the frame for feeding the thread, thread guiding means arranged at the upper portion of the frame for guiding a plurality of threads relatively to the gripping rolls, oppositely disposed conical rolls rotatably mounted in the frame at a lower level than the gripping rolls, means for driving one of the feeding rolls from one of the conical rolls, a belt connecting the conical rolls, a belt shifter moving the belt along the conical rolls for varying the speed of rotation of the feeding rolls, an arm connected to the belt shifter, a rectilinearly movable member having a cam groove engaging the last mentioned arm, vertical guides arranged at one side of the frame, a carriage connected to the cam member and arranged to reciprocate in said guides, means for driving one of the conical rolls, and means for raising and lowering said carriage.

1,627,535. COMBINATION HARVESTER-THRASHER. WALLACE F. MACGREGOR, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Mar. 21, 1925. Serial No. 17,384. 11 Claims. (Cl. 74—101.)



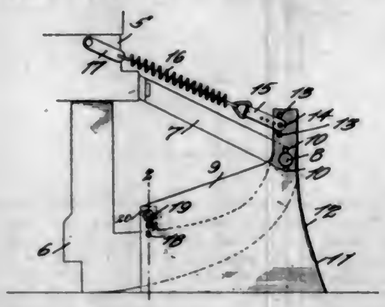
1. In a combination harvester-thrasher, a coupling composed of two elements each comprising a sprocket, a gear rotated thereby, a gear-wheel meshing with said gear, a bearing having knuckles, a cage embodying knuckles, a gear in said cage, said knuckles being in alinement, and a pintle connecting said knuckles, gear wheel and gear, whereby the gear wheel of one of said coupling elements rotates a gear in said cage to rotate a like caged gear meshing therewith and forming part of the other of said elements.

1,627,536. PROCESS OF AND APPARATUS FOR OPERATING CUPOLAS. FREDERICK K. VIAL, La Grange, and GEORGE S. EVANS, Oak Park, Ill., assignors to Griffin Wheel Company, Chicago, Ill., a Corporation of Massachusetts. Filed Jan. 19, 1925. Serial No. 3,221. 30 Claims. (Cl. 266—14.)



1. The process of operating a remelting cupola which comprises withdrawing unburned gases resulting from combustion within the cupola and burning said gases to preheat the air of combustion supplied to the cupola.

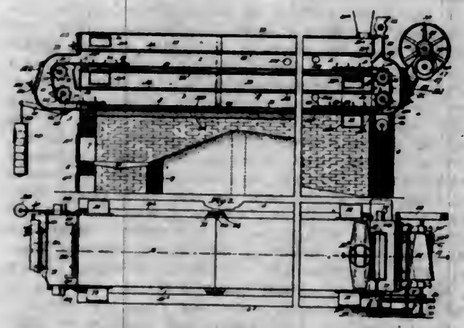
1,627,537. CORN PLANTER.. GEORGE M. YACKLEY, Avoca, Minn. Filed Aug. 27, 1926. Serial No. 131,972. 4 Claims. (Cl. 97—225.)



1. In a corn planter having a shoe, a deflecting blade positioned at the side of the shoe, means for pivotally mounting the deflecting blade in operative relation to the shoe, yieldable means connected to the shoe above the pivot for holding the shoe in normal position, and means for limiting the movement in one direction of the blade under the influence of the said yieldable means.

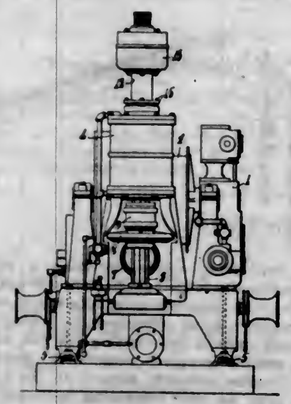
4. In a corn planter, the combination with a shoe, of a deflecting blade, means for mounting the blade for oscillation in a plane parallel to the side of the shoe, a block secured to the blade near its upper edge and having a channel in its inner surface adapted to receive the upper edge of the shoe for retaining the said blade parallel with the shoe and for limiting the movement of the blade in one direction, and yieldable means connected to the blade above the first mentioned pivot for normally holding the rear edge of the blade depressed with the block in engagement with the shoe.

1,627,538. CONTINUOUSLY-OPERATING ORE OR ORE-SHALE CONVERTING RETORT FURNACE. ARON MILLS BEAM, Denver, Colo.; Leroy J. Beam administrator of said Aron Mills Beam, deceased. Filed Feb. 26, 1924. Serial No. 695,265. 12 Claims. (Cl. 263—24.)



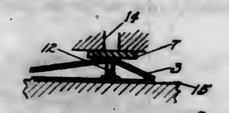
1. In a roasting furnace, a retort and flue comprising a pair of channel members so arranged that the web of one channel member cooperates with the side flanges of the second channel to provide a longitudinal passage, a plate cooperating with the flanges of said first channel to provide a second longitudinal passage, and means for delivering a material to be treated and a heating medium, respectively, to the said passages.

1,627,539. DRILLING APPARATUS. FRANK A. HALLECK, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Nov. 6, 1923. Serial No. 673,186. 23 Claims. (Cl. 255—22.)



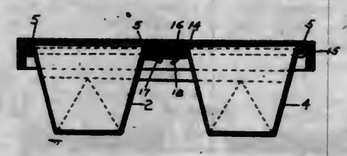
1. In a drilling apparatus, hydraulic drill rod feeding mechanism including a cylinder, telescopically arranged tubular elements extending through said cylinder, said elements having relative longitudinal movement during feeding, and a piston movable in said cylinder and secured to one of said elements.

1,627,540. PROCESS OF MAKING CONTAINERS. ARTHUR KATZINGER, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Filed July 7, 1924. Serial No. 724,736. 2 Claims. (Cl. 53—6.)



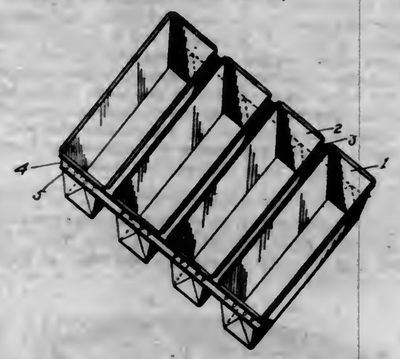
2. An article of manufacture consisting of a multiple of containers fastened together by a strap riveted to the folds of the ends of said containers the rivets and the edges of the holes through which the rivets pass being arranged to make absolutely tight contact at all points.

1,627,541. COVERED PAN. ARTHUR KATZINGER, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Filed Sept. 2, 1926. Serial No. 133,256. 2 Claims. (Cl. 53—6.)



1. A multiple of spaced pans attached together to form a unit, a reinforced resilient lip extending outwardly around the upper edges of each of said pans, a cover for said pans carrying resilient bosses attached to its inner surface and located for engagement with the adjacent edges of said pans, and vents in said cover, said vents being substantially above the spaces between adjacent pans.

1,627,542. REENFORCED BAKING PAN. ARTHUR KATZINGER, Chicago, Ill. Filed Sept. 18, 1926. Serial No. 136,312. 1 Claim. (Cl. 53—6.)



A series of baking pans having a reenforcing wire extending around the top edge of each of said pans, said pans being arranged side by side and fastened into a single unit by means of two strips riveted respectively to each of the ends of each pan, said strips consisting of a portion in contact with the ends of said pans, and another integral stiffening portion bent on an angle with said first portion and extending outward beyond and protecting the ends of said pans.

1,627,543. ORNAMENTAL FABRIC STRUCTURE. RUDOLF LOEB, Ventnor, N. J. Filed Mar. 1, 1927. Serial No. 171,855. 4 Claims. (Cl. 2—278.)

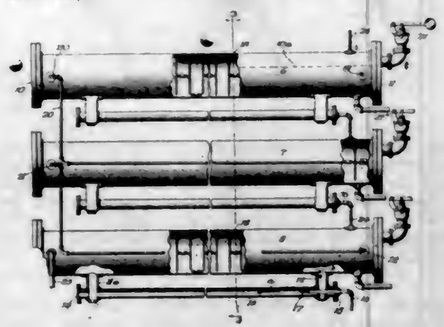
1. An edging for a body fabric comprising a ruffle structure consisting of an upper strip of material and

a lower strip of material superposed upon each other with an edge of the lower strip projecting beyond the edge of the upper strip to form a piped edge for the upper strip, the two strips being secured to each other by a line of stitching adjacent to the piped edge of the



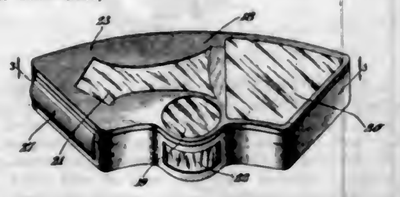
upper strip and both of the strips being ruffled along the piped edge and secured to the body fabric with the lower strip between the upper strip and the body fabric by a line of stitching spaced inwardly of the piped edge and the first line of stitching.

1,627,544. APPARATUS FOR CONDENSING VAPORS. EDWARD W. ISOM, Winnetka, Ill., and JOHN E. BELL, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed June 23, 1921. Serial No. 479,796. 3 Claims. (Cl. 257—64.)



1. In apparatus of the class described, a plurality of closed condensing tanks arranged in series, each adapted to contain a body of condensate and a body of vapors above the same, cooling means arranged in each of the tanks, means including an expansion nozzle connected with the vapor space of each of the tanks in the series except the last for injecting vapor into the succeeding tank adapted to introduce the vapors into the body of condensate therein, and means for separately drawing off the condensate from each of said tanks.

1,627,545. AUTOMOBILE TRAFFIC-SIGNALING APPARATUS. BENJAMIN MEYROWITZ, New York, N. Y. Filed Aug. 17, 1926. Serial No. 129,680. 14 Claims. (Cl. 177—329.)



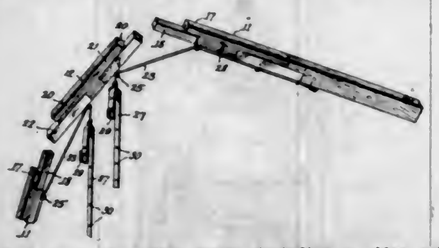
1. A luminous device for an automobile comprising a casing adapted to be secured in upright position upon an automobile, said casing having a source of light therein, a signal window in said casing rendered luminous by said source, said casing having a cylindrical lens disposed with its focal line substantially at the source of light and arranged with respect to said source to project a fan-shaped beam having its axis inclined with respect to the vehicle, so that a flat surface associated with the vehicle and contiguous to said window, will intensify the narrow streak of light which is the intersection of said beam with said surface.

4. A turn signal device comprising a casing adapted to be mounted near the rear of a motor vehicle, an outward, downwardly inclined cylindrical lens at an end of said casing, a lamp in said casing having its filament substantially at the principal focal line of said lens, whereby a fan-shaped beam will be projected to intercept the ground as a laterally directed streak in close proximity to the vehicle, said streak being an elongated light pattern constituting the distorted but complete image of the filament.

7. Signaling means on an automobile and of the type comprising a number of closely contiguous windows each with an associated source of light, said windows including a tail light, a stop light and a turn signal, said windows being of character such as to be easily mistaken one for the other, the combination in which the turn light signal includes a lens projecting system at the end of the corresponding casing portion, said system having a substantial converging effect in a horizontal meridian and little or no converging effect in the vertical meridian, the signal light for the turn signal being disposed substantially at the focus of said lens, said lens being arranged with respect to said light to incline the fan-shaped beam therefrom downwardly whereby there will flash simultaneously with the turn signal window a sharply defined narrow luminous streak extending on the ground transversely outwardly from the vehicle.

11. A combined turn signal and backing up light comprising a casing adapted to be mounted near the rear of a motor vehicle, said casing including a turn signal window at the face thereof and having a laterally and downwardly directed converging light projecting system therein, including a lateral aperture in said casing and a common source of light for said projecting system and for said window, whereby in use as a turn signal a sharply defined light pattern will be flashed contiguous to the illuminated window and whereby in use as a backing up light the illuminated window will aid in lighting the road way rearwardly of the vehicle and the projected beam will afford intense illumination laterally of the vehicle.

1,627,546. COLLAPSIBLE TENT SUPPORT. WINFIELD S. RYNEARSON, Edmonds, Wash. Filed Feb. 9, 1926. Serial No. 87,158. 4 Claims. (Cl. 135—15.)



4. A tent supporting means including a ridge pole and upright poles, the ridge pole including a plurality of sections having the adjacent ends bifurcated vertically, the lower furcations being telescopically jointed and the upper furcations adapted for abutting relation, means for guiding the user in properly associating the sections, consisting of flexible elements secured to the outer sections, guide eyes on the remaining sections through which the flexible elements are trained and enlargements on the inner ends of the flexible elements for permitting of disjointing of the sections while preventing their complete separation, and retaining means for holding the sections in jointed relation connected with the inner ends of the flexible elements and engageable in keepers on the sides of certain of said sections.

Patents Nos. 1,627,547 to 1,628,637.

THE

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OF THE

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Issue of May 10, 1927.

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Labels	46—No.	32,045 to No.	32,090,	inclusive.
Prints	19—No.	9,815 to No.	9,833,	inclusive.
Reissues	7—No.	16,617 to No.	16,623,	inclusive.
Designs	73—No.	72,583 to No.	72,655,	inclusive.
Patents	1,001—No.	1,627,547 to No.	1,628,637,	inclusive.
Total	1,514			

Changes in Classification.

Order No. 3,007, April 23, 1927, directs:

In *class 28, Textiles* (Division 21), establish the following subclass and definition, the patents contained in this subclass having been taken from class 28, subclass 29, Warp preparation, Pattern setting:

55.5 Pile tufting, pattern setting.

55.5. PILE TUFTING, PATTERN SETTING. Setting or winding colored tuft-pile threads into arrangements suitable for weaving Axminster carpets and the like.

Search this class, subclass 29, for similar inventions for use with tapestry warp threads.

In *class 28, Textiles* (Division 21), subclass 29, Warp preparation, Pattern setting, in the second line of the definition cancel the words "or pile" and add to the definition the following note:

Search this class, subclass 55.5, for similar inventions for use with Axminster tuft material.

In *class 137, Water Distribution* (Division 39), abolish the following subclass, the patents formerly contained therein having been placed for the most part in class 225, Dispensing Beverages:

Cocks and faucets
27 Tank.

In *class 139, Textiles, Weaving* (Division 21), establish the following subclass and definition, the patents contained in this subclass having been taken for the most part from class 139, subclasses 384, Fabrics, Special shape, and 386, Fabrics, Special shape, Curved:

Fabrics
Special shape
385.5 Collar.

385.5. FABRICS, SPECIAL SHAPE, COLLAR. Which are designed for use as collars for human apparel.

In *class 139, Textiles, Weaving* (Division 21), subclass 384, Fabrics, Special shape, add to the definition the following:

or stock peculiarly adapted for producing structures of this nature.

Drawings.

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying-marks should be placed upon the back of the drawings.

TIME LIMITS FOR ACTIONS.

Completing applications	6 mos.
Responding to official actions:	
If dated prior to May 2, 1927	1 yr.
If dated on or after May 2, 1927	6 mos.
Renewal of applications:	
If allowed prior to May 2, 1927	2 yrs.
If allowed on or after May 2, 1927	1 yr.

(See act of March 2, 1927, 357 O. G. 5.)

This act affects all applications pending before this Office, irrespective of their filing dates.

Condition of Applications Under Examination at Close of Business April 29, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 59,212; Trade-Mark Division, 1,960. Oldest new case, Sept. 16, 1926; oldest amended, Sept. 16, 1926. The dates given are 1926 except where † indicates 1927.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	†Feb. 21	†Mar. 1	509
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 3	†Jan. 12	738
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec.	†Jan. 3	1,500
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Nov. 10	Nov. 11	1,483
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Nov. 11	Nov. 14	976
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Oct. 9	Sept. 9	1,596
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Nov. 22	Nov. 24	1,191
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 20	Dec. 30	1,610
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Feb. 3	†Feb. 3	819
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Dec. 14	Dec. 20	1,143
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	†Jan. 6	†Jan. 8	947
380	12. PIERCE, P. P., Machine Elements	Dec. 3	Dec. 11	1,164
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 26	Dec. 10	1,234
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Nov. 5	Dec. 6	1,174
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Dec. 28	Dec. 28	1,348
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Jan. 7	†Jan. 19	703
307	17. RAFTER, O. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 28	Nov. 1	726
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 20	Oct. 16	997
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Jan. 18	†Jan. 14	757
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Dec. 22	Dec. 24	957
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Nov. 30	Dec. 1	942
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion	Nov. 4	Nov. 2	818
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 5	Dec. 20	663
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 17	Oct. 1	1,046
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 18	Dec. 1	1,244
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 1	Nov. 17	881
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Jan. 11	†Jan. 15	850
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 29	†Jan. 5	1,172
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 20	Dec. 1	1,156
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Dec. 22	†Feb. 2	950
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Nov. 29	Dec. 13	1,638
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Dec. 23	†Jan. 23	888
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Dec. 29	†Jan. 21	1,195
304	34. SIMPSON, O. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders	Nov. 6	Nov. 9	765
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 13	†Feb. 11	733
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	†Feb. 7	†Jan. 24	872
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 8	Dec. 11	1,361
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Nov. 13	Nov. 16	1,084
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Feb. 1	†Feb. 16	473
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Dec. 11	Dec. 14	1,793
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 18	†Jan. 15	699
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Nov. 11	Nov. 9	1,523
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Jan. 5	†Jan. 12	902
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 5	Nov. 17	1,133
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	†Jan. 7	†Jan. 7	899
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Oct. 18	Dec. 1	929
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 21	Dec. 27	1,344
213*	48. ROEPKE, O. B., Electricity, General Applications	Nov. 17	Nov. 15	988
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 1	Nov. 24	960
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Jan. 8	†Jan. 12	1,418
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Nov. 6	Nov. 2	1,275
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Dec. 20	Dec. 27	1,214
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 8	†Jan. 8	966
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	Sept. 16	Sept. 16	1,760
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	Nov. 13	Nov. 29	561
	Designs	†Mar. 29	†Apr. 14	535
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	†Apr. 1	†Apr. 15	1,761
	Labels and Prints	†Apr. 11	†Apr. 18	199

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

CONRADSON *v.* DRAKE AND HUBBELL *v.* MORGAN.

Decided September 11, 1926.

INTERFERENCE—MOTION TO DISSOLVE BY PATENTEE—PATENTABILITY OF THE ISSUE.

A motion to dissolve which denies the patentability of the counts of the issue will not be set for hearing where the moving party is a patentee.

ON PETITION.

In re Interference No. 53,010.

GRINDING MACHINE.

Mr. Geo. E. Tew for Conradson.

Mr. Geo. H. Kennedy, jr., for Drake and Hubbell.

Messrs. Southgate, Fay & Hawley for Morgan.

ROBERTSON, *Commissioner:*

The party Conradson seeks a review of the order of the Law Examiner refusing to set ground 1 of his motion to dissolve for hearing. Ground 1 denies the patentability of the four counts of the issue in view of the state of the art. The moving party being a patentee, transmission was refused under the well-known practice under *Manson* v. *Hutchison*, 201 O. G. 569, and *Fend* v. *Miggett*, 223 O. G. 649. The moving party frankly states that he desires full consideration of the question with a view to reestablishing the practice that prevailed prior to these decisions.

The decisions of Commissioner Ewing were made with full knowledge of the prior decisions and should not be disturbed without the best of reasons. Substantially every point involved in this case was passed upon in *Manson* v. *Hutchison* or *Fend* v. *Miggett* or on rehearing in the former case. Whether a patentee shall be permitted to deny the patentability of his claims is largely a matter of policy. The present practice was adopted a number of years ago and has not heretofore been seriously opposed. There are perhaps objections to either the present practice or that which it superseded, but the objections to the existing rule are not sufficient to justify its reversal. A patentee who moves to dissolve on the ground of unpatentability must of necessity take repugnant positions. He would hold onto his patent when threatened with dispossession, although he believes it invalid, in order that he may if possible destroy the rights which he has enjoyed and thus prevent their enjoyment by others. It seems more proper to disclaim that which he is convinced is not patentable or to contest priority on that which is doubtful.

The petition is denied.

EX PARTE CROWN FRUIT & EXTRACT CO., INC.

Decided February 2, 1926.

1. TRADE-MARKS — COMMONPLACE WORDS — "CROWN"—"RED CROWN"—DECEPTIVE SIMILARITY.

Where registration of the word "Crown" was refused by the Examiner on the ground that the mark is confusingly similar to the registered mark "Red Crown," for use on the same class of goods, and the applicant cited a considerable number of references in support of his view that the word "Crown" has been so widely used in connection with various classes of goods that no one is entitled to any broad protection, but only to the specific mark on the specific goods on which it is used, *Held* that since applicant sought registration of the word "Crown" alone and did not join it to other distinguishing words and the only protection which could be granted would be the right to exclude others from using the same word further confusion should not be created by registration of the word.

2. SAME—PRESERVED CHERRIES—FRUIT PRESERVES AND CANNED CHERRIES—SAME DESCRIPTIVE PROPERTIES.

Preserved cherries possess the same descriptive properties as fruit preserves and canned cherries.

ON APPEAL.

Application for registration of trade-mark for preserved cherries filed July 8, 1922, Serial No. 166,590.

Mr. C. P. Goepel for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration of the word "Crown" used on preserved cherries. The refusal of registration is based on the ground that the mark is confusingly similar to the mark "Red Crown" registered by the Acme Packing Company June 29, 1920, No. 132,602, and February 22, 1921, No. 139,748, for use on fruit preserves and canned cherries. The Examiner held the goods possessed the same descriptive properties.

The applicant urges the marks are dissimilar and the goods belong to different classes. It would seem clear these marks appearing upon the same class of goods would create confusion in trade. The goods would become known as "Crown goods," and the word "Red," appearing in the prior registered mark, would frequently not be remembered or noticed by purchasers of goods of this character.

It is believed, in consequence, the holding of the Examiner that the words are confusingly similar within the meaning of the Trade-Mark Act is sound.

[1] Applicant has cited a considerable number of registrations in support of his view that the word "Crown" has been so widely used in connection with various classes of goods that no one is entitled to any broad protection, but only to the specific mark on the specific goods on which it is used. The applicant calls attention to certain adjudicated cases in support of its view, and especially *Ex parte Mission Brewing Company*, 209 O. G. 1053, in which the word "Mission" and the words "Old Mission" were held not to be in conflict. It should be noted that the goods were different, one mark being applied to a malt tonic and the other to lager beer. Applicant's contention that since the word "Crown" has been previ-

ously widely used upon many different classes of goods only limited protection may be granted is somewhat in harmony with the holding in the case of *Pabst Brewing Co.* v. *Decatur Brewing Co. et al.*, 306 O. G. 837, 284 Fed. Rep. 110, U. S. C. C. A., 7th Cir. It must be considered, however, appellant is seeking the registration of the word "Crown" alone and has not joined it to other distinguishing words, and the only protection which could be granted would be the right to exclude others from using this same word. It is not believed, even in view of the number of previous registrations cited by the applicant, that further confusion should be created.

[2] It is not thought there can be any doubt that the goods belong in the same class, as such term has been interpreted and defined in the case of *H. Wolfe & Sons* v. *Lord & Taylor*, 202 O. G. 632, 41 App. D. C. 514, and *E-Z Waist Company* v. *Reliance Manufacturing Co.*, 311 O. G. 709, 52 App. D. C. 298. Cherries, as well as other fruits, are preserved in various ways, and among such ways are those employed by the registrant and by the applicant. The public would recognize the fruit as the same, as a relishable preserved fruit product, and would be quite likely to regard both products as having the same origin.

The decision of the Examiner of Trade-Marks is affirmed.

Court of Appeals of the District of Columbia.

IN RE SCHILLER AND WESCOTT.

No. 1,882. Decided December 6, 1926.

PATENTABILITY—METHOD—AGGREGATION.

Where it was old to elevate liquids by air pressure, and likewise old to purify air for aerating milk, *Held* that a method of transferring liquids, consisting in sterilizing air, purifying the air, and using it under pressure to force the liquid from one receptacle to another, is unpatentable as covering merely an aggregation of processes old in the art.

APPEAL from Patent Office. Affirmed.

Mr. Joshua R. H. Potts and *Mr. Geo. B. Parkinson* for Schiller et al.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, VAN ORSDEL, Justice, and HATFIELD, Judge U. S. Court of Customs Appeals.

VAN ORSDEL, *J.*:

This appeal is from the disallowance of appellant's application for a patent for a device for transferring liquids by air pressure. The following claims illustrate the device:

(1) The herein described method of transferring liquids, consisting in sterilizing air, purifying the air, and using it under pressure to force the liquid from one receptacle to another.

(7) The herein described apparatus for transferring liquids, consisting of means for compressing air; means for expanding air; means for purifying the air, and means for using it under pressure to force the liquid from one receptacle to another.

It will be observed that the claims call for either a method or apparatus for forcing liquid from one receptacle to another by the means of sterilized and purified air. References are shown that it was old to elevate liquids by air pressure. It is likewise old in the art to purify air for aerating milk.

It was held in the Patent Office, and we think correctly, that the claims in issue cover merely an aggregation of processes old in the art. The elevating feature is old whether it is produced by sterilized air or not. In the light of the references shown in the record we find nothing in appellant's disclosure which would entitle him to a patent.

The decision of the Commissioner is affirmed.

Court of Appeals of the District of Columbia.

IN RE SCHILLER AND WESCOTT.

No. 1,883. Decided December 6, 1926.

PATENTABILITY—METHOD UNPATENTABLE.

The process of sterilizing fluids by air compression and the sudden relief of the fluid from the compressor being old, and it also being old to extract oil from air and filter the air, *Held* that the method of purifying air, consisting in compressing, expanding, and thereby sterilizing the air, extracting any oil it may contain, and filtering the air, is unpatentable.

APPEAL from the Patent Office. Affirmed.

Mr. Joshua R. H. Potts and *Mr. Geo. B. Parkinson* for Schiller et al.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, VAN ORSDEL, Justice, and HATFIELD, Judge U. S. Court of Customs Appeals.

VAN ORSDEL, *J.*:

This is a companion case to the one just decided, No. 1,882, and relates to a method for purifying and sterilizing air. The following claims are illustrative of the method:

(1) The herein described method of purifying air, consisting in compressing, expanding, and thereby sterilizing the air.

(4) The herein described method of purifying air, consisting in compressing, expanding, and thereby sterilizing the air, extracting any oil it may contain, and filtering the air.

(5) The herein described method of sterilizing air, consisting in compressing air until its temperature is about 150° F., and expanding it until the temperature drops about 80°.

It will be observed that these claims are drawn to a method of sterilizing and purifying air. Appellant's device consists of an air compressor and a pipe leading therefrom to a series of expansion tanks, gradually increasing in size, through which the air passes into an oil separator, and an air filter from which the purified air is delivered and may be used for any purpose desired.

The tribunals below relied chiefly upon a patent to Perkins, No. 440,320, January 2, 1900, covering a system for sterilizing, drying, and cooling air for use in preserving fruit or meat. His device is complicated and includes a furnace, a reheater, coolers, a low-pressure air cylinder, a high-pressure air cylinder, an intercooler, an expander, primarily for supplemental separators, and a storage or refrigerating chamber.

A patent issued to one Baldwin, No. 920,811, May 4, 1909, and one to Garpheide, No. 1,115,806, November 3, 1914, disclosed claims for apparatus for sterilizing liquids by means of pressure. Also a patent to one Larson, No. 1,517,845, December 2, 1924, which discloses apparatus for killing bacteria is described in his application as follows:

In carrying out this process I prefer to subject the bacteria in suspension in a suitable fluid to a high pressure by means of a suitable gas and then to slowly release the fluid from the container in which it is held, and thereby, as the fluid passes out of its container, to permit a sudden expansion of the gas. This produces a sudden change in the osmotic tension of the fluid whereby the bacteria are killed, the expansion of the gas causing their disruption, and the juices, toxins and protoplasm of the organism are released in a diffused state and without any chemical change therein.

It thus appears that the process of sterilizing fluids by air compression and the sudden relief of the fluid from the compressor is old in the art. Indeed Baldwin claims a process for sterilizing substances such as meat by means of pressure and the sudden removal of the pressure. It is well understood that this process explodes the bacteria in milk. Appellant's device is extensively used for the elevation, transferring, purification, and handling of milk. It is also true that there is nothing novel or new in the process of extracting the oil and filtering the air.

We are of opinion therefore that the Commissioner of Patents was right in rejecting the claims, and his decision is accordingly affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

935,801, T. V. Maxedon, Printed manifolding form, suit filed Sept. 8, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 429, *T. V. Maxedon* v. *The City of Cincinnati*. Dismissed Mar. 26, 1927.

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps, suit filed Sept. 14, 1926, D. C., S. D. N. Y., Doc. E 38/256, *General Electric Co.* v. *F. Murray Co., Inc., et al.* Decree pro confesso granting injunction Mar. 23, 1927.

1,033,988, H. L. Coburn, reenforced-concrete dam, suit filed Sept. 19, 1926, D. C., W. D. Okla., Doc. E 812, *Ambursen Construction Co., Inc.*, v. *City of Cushing, Okla.* Decree enjoining defendant Mar. 24, 1927.

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system; 1,239,852, F. K. Vreeland, Receiver of electrical impulses; 1,245,166, same, Method of transmitting and receiving high-frequency signal impulses, suit filed Mar. 23, 1927, D. C., S. D. N. Y., Doc. E 41/70, *Westinghouse Electric & Mfg. Co. et al.* v. *Heins & Bolet, Inc.*

1,050,728. (See 1,050,441.)

1,074,592, R. H. Anderson, Wall bed, suit filed May 29, 1925, D. C., S. D. Calif. (Los Angeles), Doc. I-125-J, *V. L. Holmes et al.* (*Holmes Bed Mfg. Co.*) *et al.* v. *Rip Van Winkle Wall Bed Co.* Dismissed without prejudice Mar. 16, 1927.

1,102,152, P. Jones, Pumping oil wells, suit filed Mar. 26, 1927, D. C., N. D. Okla. (Tulsa), Doc. E 232, *F. W. Dye et al.* v. *Jones-McLaughlin, Inc.*

1,113,149. (See 1,050,441.)

1,195,632, W. C. White, Circuit connections of electron-discharge apparatus; 1,231,764, F. Lowenstein, Telephone relay; 1,251,377, A. W. Hull, Method of and means for obtaining constant direct-current potentials, suit filed Jan. 17, 1927, D. C., S. D. N. Y., Doc. E 40/67, *Radio Corp. of America et al.* v. *Radio Receptor Co., Inc.* Dismissed without prejudice Mar. 28, 1927.

1,206,742, 1,206,743, 1,263,301, 1,462,673, 1,598,903, J. S. Wheeler, Pipe-bending machine; 1,326,999, Wallace & Fox, Work holder, suit filed Feb. 28, 1927, D. C., N. D. Calif. (San Francisco), Doc. E 1843, *J. S. Wheeler* v. *U. S. Pipe Bending Co. et al.*

1,206,743. (See 1,206,742.)

1,231,764. (See 1,195,632.)

1,239,580, F. T. Farmer, Wheel; 1,545,829, P. E. Herschel, jr., Wheel, suit filed Mar. 11, 1927, D. C. Ind. (Indianapolis), Doc. 1030, *R. Herschel Mfg. Co.* v. *Great States Corp.*

1,239,852. (See 1,050,441.)

1,245,166. (See 1,050,441.)

1,251,377. (See 1,195,632.)

1,263,301. (See 1,206,742.)

1,305,361, C. J. Holslag, Alternating-current welding transformer; Re. 16,012, same, Method of electric-arc welding, cutting, and repairing, suit filed Mar. 8, 1927, D. C., S. D. N. Y., Doc. E 40/379, *Electric Arc Cutting & Welding Co.* v. *Ohmer Fare Register Co.* Dismissed Mar. 26, 1927.

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Nov. 24, 1926, D. C., W. D. Okla. (Guthrie), Doc. E 829, *The Bassick Mfg. Co.* v. *Shawnee Motor Supply Co.* Defendant enjoined Mar. 24, 1927.

1,307,734. (See 1,307,733.)

1,326,999. (See 1,206,742.)

1,336,901, D. Handelan, Hot-air heating system, suit filed Mar. 22, 1927, D. C. Minn. (2d Div.), Doc. E 94, *The Century Heating and Ventilating Co.* v. *E. A. Pease* (*Pease Hardware Co.*) *et al.*

1,385,102, Winters & Crampton, Latch, suit filed Nov. 23, 1925, D. C., E. D. Wis. (Milwaukee), Doc. 1688, *A. F. Winters et al.* v. *Sanitary Refrigerator Co.* Patent held valid and infringed Feb. 24, 1927.

1,400,171. (See Re. 14,777.)

1,431,260, 1,483,522, H. Rosen, Button-making machine; 1,536,530, same, Button, suit filed Mar. 24, 1927, D. C., S. D. N. Y., Doc. E 41/73, *H. Rosen et al.* v. *M. Bornstein* (*Star Trimming & Button Co.*).

1,441,799, G. V. Gladville, Silo hoop, suit filed Aug. 27, 1923, D. C. Ind. (Indianapolis), Doc. 724, *G. V. Gladville et al.* v. *Cement Products Co. et al.* Patent held valid Mar. 23, 1927.

1,462,673. (See 1,206,742.)

1,468,595, W. Ferris, Broaching machine, suit filed Mar. 23, 1927, D. C. Conn. (New Haven), Doc. 1893, *The Oilgear Co.* v. *The J. N. Lapointe Co.*

1,483,522. (See 1,431,260.)

1,487,042, J. T. Wilkin, Gas meter, 1,528,728, Houghton & Wilkin, Meter, suit filed June 12, 1925, D. C. Ind. (Indianapolis), Doc. 934, *The Connersville Blower Co.* v. *P. H. & F. M. Roots Co.* Bill dismissed for want of equity Mar. 24, 1927.

1,504,595, M. Andis, Electrically-operated hair clipper, suit filed June 21, 1926, D. C., E. D. Wis. (Milwaukee), Doc. 1883, *M. Andis* v. *J. Oster Mfg. Co.* Patent held valid and infringed Mar. 10, 1927.

1,528,728. (See 1,487,042.)

1,532,245, E. D. Kaser, Locker lock, suit filed Mar. 24, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2151, *Durabilt Steel Locker Co.* v. *The Berger Mfg. Co.*

1,534,478, W. J. Wiswall, Manifolding book, suit filed Mar. 28, 1927, D. C. Conn. (New Haven), Doc. 1894, *American Sales Book Co., Ltd.*, v. *The P. Schwartz Co.*

1,536,530. (See 1,431,260.)

1,545,829. (See 1,239,580.)

1,583,415, L. F. Moody, Hydraulic turbine, suit filed Mar. 23, 1927, D. C., M. D. Pa., Doc. 536, *I. P. Morris Corp. et al.* v. *S. M. Smith Co.*

1,590,982, E. B. Morris, Farrowing house, suit filed Mar. 2, 1927, D. C., N. D. Iowa (Central Div.), Doc. E 149, *E. B. Morris et al.* v. *C. E. Lantz et al.*

1,598,903. (See 1,206,742.)

Re. 14,777, J. L. Kraft, Process of sterilizing cheese and product thereof; 1,400,171, same, Process of preparing cheese, suit filed June 4, 1924, D. C., E. D. Wis. (Milwaukee), Doc. 1431, *J. L. Kraft & Bros. Co.* v. *Pabst Corp.* Patents held valid and infringed Feb. 23, 1927.

Re. 16,012. (See 1,305,361.)

ADJUDICATED PATENTS.

(D. C. Mont.) The Carson patent, No. 1,149,495, for metallurgical furnaces, *Held* invalid. *Carson Inv. Co.* v. *Anaconda Copper Mining Co.*, 17 F. (2d) 815.

(D. C. Mont.) The Carson patent, No. 1,302,307, for metallurgical furnaces, *Held* invalid. *Carson Inv. Co.* v. *Anaconda Copper Mining Co.*, 17 F. (2d) 815.

(D. C. N. Y.) The Perey patent, No. 1,307,317, for turnstile, claim 1 *Held* valid and infringed. *Perey* v. *Perey Mfg. Co.*, 17, F. (2d) 774.

(D. C. Wis.) The Kraft patent, No. 1,323,869, for process of treating cheese, *Held* valid and infringed. *Kraft Cheese Co.* v. *Pabst Corporation*, 17 F. (2d) 787.

(D. C. Wis.) The Kraft patent, No. 1,400,171, for process of preparing cheese, *Held* valid and infringed. *Kraft Cheese Co.* v. *Pabst Corporation*, 17 F. (2d) 787.

(C. C. A. Pa.) The Allen patent, No. 1,549,177, for apparatus for molding rubber articles, claims 2–5, 7–9, and 12–16 *Held* valid and infringed. *Allen* v. *Wingerter*, 17 F. (2d) 745.

(D. C. Wis.) The Kraft reissue patent, No. 14,777, for process of sterilizing cheese and the product, *Held* valid and infringed. *Kraft Cheese Co.* v. *Pabst Corporation*, 17 F. (2d) 787.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,481,828, R. H. Bulley, Apparatus for treating metals, decided April 2, 1927, claims 1, 5, and 8.

Pat. 1,524,580, J. Scott-Taggart, Amplifying system, decided April 20, 1927, claims 2, 3, and 4.

Final decisions in interferences have been rendered against the following trade-marks:

T. M. 143,750, Oleomargarine, H. Standish & Co., Detroit, Mich. Registered June 7, 1921. Decided March 31, 1927.

T. M. 154,986, Lubricants consisting of oils and greases, Keystone Lubricating Company, Philadelphia, Pa. Registered May 16, 1922. Decided March 28, 1927.

T. M. 193,012, Lingerie, kimonos, children's and ladies' wash dresses, A. M. Jelf Manufacturing Co., Lexington, Ky. Registered December 16, 1924. Decided April 20, 1927.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 15, 1927.*

Swan O. Peterson, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Edward G. Carr, 1329 Downer Avenue, Milwaukee, Wis., and patent granted March 21, 1922, No. 1,410,114, to Swan O. Peterson, 2511 Eleventh Street, Rock Island, Ill., and a notice of such declaration sent by registered mail to said Peterson at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Peterson, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Apr. 14, 1927.*

The Wynne Paper Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Transo Envelope Company, 3512 North Kimball Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered August 10, 1920, No. 134,146, to The Wynne Paper Co., 318 West Thirty-ninth Street, New York, N. Y., and a notice of such declaration sent by registered mail to said The Wynne Paper Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless The Wynne Paper Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 10, 1927.

[VOL. 358. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 185,154. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed Aug. 29, 1923.



Particular description of goods.—Metal Angles for Box Partitions and General Use, Stamped Metal Arrows for General Use, Metal Beckets for General Purposes; Bells for Toys, Dog Collars, and General Purposes Except Electrical; Metal Binder Parts Including Strips, Slides, Wire Forms, Fasteners, Eyelets, Rivets, Etc.; Metal Burrs and Washers, Caps (Tubular Rivet, Split Rivet, Etc); Cord, Rope, and Wire Clamps; Clips for General Purposes, Metal Corners for General Purposes, Cotter Pins, Metal Disks for General Purposes, Escutcheon Pins, Keyhole Escutcheons, Metal Frames for General Purposes, Thermometer Guards, Metal Handles for General Purposes, Stamped Metal Hands for General Purposes, Metal Hangers for Calendars, Passe Partouts, Moth Bags, and General Purposes, Split-Rivet Holders, Hooks of All Kinds, Metal Knobs; Loops for Razor Strops, Belts, and General Purposes; Heel Plates, Moth-Bag Plates, Name Plates for Dog Collars, Metal Plates for General Purposes, Metal Posts for General Uses, Drawer Pulls, Metal Rods for Hanging Curtains, Draperies, Portières, Etc.; Metal Tubing Stock for the Same Purpose and Which is Commonly Called "Rods," and Stair Rods, Bathroom Rods, and Metal Rods Generally Used for Household Purposes; Metal Screens for General Purposes, Screw Eyes, Shoe Shanks, Metal Slides for General Purposes, Metal Spots for General Purposes, Metal Springs for General Purposes, Staples for General Purposes, Metal Straps for General Purposes, Metal Studs for General Purposes, Metal Tips for General Purposes, Metal Tongues for General Purposes; Metal Terminals for Ropes, Cords, Wires, and General Purposes.

Claims use since July 23, 1921.

Ser. No. 185,156. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed Aug. 29, 1923. Under 10-year proviso.

STIMPSON

Particular description of goods.—Metal Angles for Box Partitions and General Use, Stamped Metal Arrows for General Use, Metal Beckets for General Purposes, Bells for Toys, Dog Collars, and General Purposes Except Electrical; Metal Binder Parts Including Strips, Slides, Wire Forms, Fasteners, Eyelets, Rivets, Etc.; Metal Burrs and Washers, Caps (Tubular Rivet, Split Rivet, Etc.); Cord, Rope, and Wire Clamps; Clips for General Purposes, Metal Corners for General Purposes, Cotter Pins, Metal Disks for General Purposes, Escutcheon Pins, Keyhole Escutcheons, Metal Frames for General Purposes, Thermometer Guards, Metal Handles for General Purposes; Stamped Metal Hands for General Purposes; Metal Hangers for Calendars, Passe Partouts, Moth Bags, and General Purposes; Split-Rivet Holders, Hooks of All Kinds, Metal Knobs: Loops for Razor Strops, Belts, and General Purposes; Heel Plates, Moth-Bag Plates, Name Plates for Dog Collars, Metal Plates for General Purposes, Metal Posts for General Uses, Drawer Pulls, Metal Rods for Hanging Curtains, Draperies, Portières, Etc.; Metal Tubing Stock for the Same Purpose and Which is Commonly Called "Rods," and Stair Rods, Bathroom Rods, and Metal Rods Generally Used for Household Purposes; Metal Screens for General Purposes, Screw Eyes, Shoe Shanks; Metal Slides for General Purposes, Metal Spots for General Purposes, Metal Springs for General Purposes, Staples for General Purposes, Metal Straps for General Purposes, Metal Studs for General Purposes, Metal Tips for General Purposes, Metal Tongues for General Purposes, Metal Terminals for Ropes, Cords, Wires, and General Purposes.

Claims use since Jan. 1, 1895.

Ser. No. 209,448. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAXIMILIAN WEIL, doing business as Audak Company, New York, N. Y. Filed Feb. 11, 1925.

SELECTRON

Particular description of goods.—Attachment or Accessory for Phonographs by Which the Amplifier is Used Alternatively for Its Intended Purpose and As a Radio Loud Speaker.

Claims use since on or about May, 1924.

Ser. No. 211,339. (CLASS 2. RECEPTACLES.) DRY-ICE CORPORATION OF AMERICA, New York, and Long Island City, N. Y. Filed Mar. 20, 1925.

DRY ICE

Particular description of goods.—Empty Containers Adapted for Storage, Transportation, or Use of Carbon Dioxide (CO_2) in Solidified Forms, Mixtures, and Compounds.

Claims use since Mar. 3, 1925.

Ser. No. 213,001. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Apr. 20, 1925.

CENCO

Particular description of goods.—Aluminum Rod, Aluminum Sheet, Aluminum Wire, Brass Rod, Brass Sheet, Brass Strip, Brass Wire, Copper Rod, Copper Sheet, Copper Wire, Iron Rod, Iron Sheet, Iron Wire, Lead Sheet, Lead Wire, Nickel Sheet, Phosphor-Bronze Ribbon, Platinum Sheet and Wire, Steel Wire, Steel Rod, Tin Foil, Tin Sheet, Zinc Sheet, Zinc Wire, Anvils, Aluminum Metal, Barium Metal, Beryllium Metal, Bismuth Metal, Cadmium Metal, Calcium Metal, Chromium Metal, Cobalt Metal, Copper Metal, Gold Metal, Iron Metal Filings, Iron Metal Powder, Iron Metal Wire, Lead Metal, Lithium Metal, Magnesium Metal, Manganese Metal, Molybdenum Metal, Nickel Metal, Palladium Metal, Potassium Metal, Platinum Metal, Silicon, Silver Metal, Silenium Metal, Thorium Metal, Tin Metal, Tungsten Metal, Asbestos Palladinized, Asbestos Platinized, Uranium Metal, Zinc Metal, and Zinc Amalgam, Brass Balls (Unfinished), Copper Balls (Unfinished), Iron Balls (Unfinished), and Steel Balls (Unfinished), Mercury.

Claims use since April, 1921.

Ser. No. 218,670. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUTTER COOPERATIVE GROWERS, San Francisco, Calif. Filed Aug. 10, 1925.



The portrait shown on the drawing is wholly fanciful.

Particular description of goods.—Canned Peaches.

Claims use since June 1, 1925.

Ser. No. 218,778. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROANOKE APPLE PRODUCTS CO., Roanoke, Va. Filed Aug. 12, 1925.

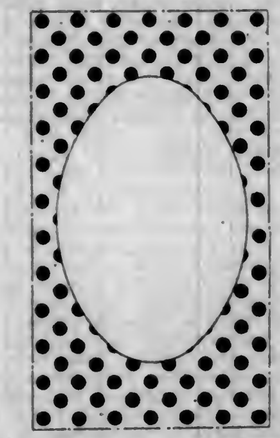


No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Vinegar.

Claims use since July 24, 1925.

Ser. No. 220,832. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Sept. 26, 1925.



Particular description of goods.—Coffee, Paprika, Celery Salt, Grape Jelly, Crab-Apple Jelly, Quince Jelly, Red-Currant Jelly, Bacon, Cracker Meal, Tapioca, Peanut Butter, Canned Peaches, Evaporated Milk, Corn Flakes, Canned Apricots, Canned Asparagus, Canned Asparagus Tips, Bread Crumbs, Canned Sauerkraut, Canned Cherries, Catchup, Corn Meal, Canned Tomato Purée, Canned Tomato Concentrated, Canned Pears, Canned Tunny Fish, Canned Shrimp, Canned Pumpkins, Cocoa, Canned Raspberries, Canned Strawberries, Canned Fruit Salad, Canned Beets, Strawberry Preserves, Raspberry Preserves, Peach Preserves, Pineapple Preserves, Blackberry Preserves, Canned Pineapple, Canned Spinach, Canned Stringless Beans, Canned Peas, Canned Tomatoes, Canned Corn, Canned Lima Beans, Canned Succotash, Canned Beans with Pork and Tomato Sauce, Canned Salmon, Condensed Milk, Pancake Flour, Buckwheat Flour, Macaroni, Noodles, Cake, Farina, Cornstarch, Tea, Extract of Vanilla for Food Flavoring, Allspice, Mustard, Mustard Seed, Cloves, Celery Seed, Cinnamon, Caraway Seed, Black Pepper, White Pepper, Red Pepper, Ginger, Nutmeg, Mixed Spices, Vinegar, and a Breakfast Drink Used as a Substitute for Coffee.

Claims use on coffee since June, 1917; on paprika and celery salt since Feb. 13, 1918; on grape jelly, crab-apple jelly, quince jelly, and red-currant jelly since May 10, 1918; on bacon since May 11, 1918; on cracker meal since Apr. 9, 1920; on tapioca since Apr. 21, 1920; on peanut butter since July 15, 1920; on peaches since Sept. 8, 1920; on evaporated milk since Mar. 4, 1921; on corn flakes since Apr. 1, 1921; on apricots since June 28, 1921; on asparagus and asparagus tips since Aug. 18, 1921; on bread crumbs since Sept. 6, 1921; on sauerkraut and cherries since Sept. 22, 1921; on catchup since Oct. 25, 1921; on corn meal since Nov. 23, 1921; on Tomato purée and tomato concentrated since Feb. 12, 1922; on pears since June 11, 1922; on tunny fish since July 10, 1922; on shrimp since July 28, 1922; on pumpkins since Aug. 17, 1922; on cocoa since Sept. 15, 1922; on raspberries, strawberries, and fruit salad since Sept. 21, 1922; on beets since Oct. 30, 1922; on strawberry preserves, raspberry preserves, peach preserves, pineapple preserves, and blackberry preserves since July 10, 1923; on pineapple since Aug. 23, 1923; on spinach since Sept. 18, 1923; on beans, peas, tomatoes, corn, lima beans, succotash, beans with pork and tomato sauce, salmon, condensed milk, pancake flour, buckwheat flour, macaroni, noodles, cake, farina, cornstarch, tea, and extract of vanilla since May, 1917; on allspice, mustard, mustard seed, cloves, celery seed, cinnamon, caraway seed, black pepper, white pepper, red pepper, ginger, nutmeg, mixed spices, and vinegar since Feb. 13, 1918; and on breakfast drink used as a substitute for coffee since Feb. 26, 1925.

Ser. No. 225,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CERTIFIED EXTRACTS INC., New York, N. Y. Filed Jan. 2, 1926.



The lining of the drawing is not intended to represent any particular colors, all color being disclaimed. The words "Certified" and "Certified Pure Extracts," "Trade-Mark," and "Brand" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Food-Flavoring Extracts.

Claims use since Sept. 29, 1925.

Ser. No. 226,847. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HARRY T. CRAWFORD, doing business as Doc's Auto Products Co., Lansing, Mich. Filed Feb. 4, 1926.

Doc's

Particular description of goods.—A Polish for Automobiles, Furniture, and the Like and for Surfaces Requiring a Similar Finish.

Claims use since December, 1925.

Ser. No. 227,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOMMANDITBOLAGET SPIS-& KNÄCKEBRÖDSFABRIKEN KRONAN, BARTHEL KOCK, Sundyberg, Sweden. Filed Feb. 8, 1926.



Except as to the word "Kron" and "Kronan" no claim is made to the exclusive right to use the words apart from the mark shown in the drawing.

Particular description of goods.—Bread.

Claims use since Nov. 25, 1905.

Ser. No. 227,206. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WHITE MULE, INC., Carbondale, Ill. Filed Feb. 11, 1926.

WHITE MULE

Particular description of goods.—Tire Patches.

Claims use since March, 1924.

Ser. No. 227,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARENCHBACHER BROS., Covington, Ga. Filed Feb. 16, 1926.

NEWTON MAID

Particular description of goods.—Bread, Cakes, and Cookies.
Claims use since Sept. 1, 1924.

Ser. No. 227,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. KATEKARU, doing business as J. Katekaru Co., Brawley, Calif. Filed Feb. 16, 1926.

TOP NOTCH

Particular description of goods.—Melons—Viz, Cantaloupes and Honey Dew Melons; and for Fresh Vegetables—Viz, Peas, Lettuce, Tomatoes, and Squash.
Claims use since June 1, 1922.

Ser. No. 227,828. (CLASS 2. RECEPTACLES.) CONTINENTAL BANK-SUPPLY COMPANY, Mexico, Mo. Filed Feb. 26, 1926.

CONTINENTAL
BANK-SUPPLY-COMPANY
MEXICO, MO.

No claim is made to the exclusive use of the words "Bank Supply Company, Mexico, Mo." apart from the mark shown.
Particular description of goods.—Bank Supplies—Namely, Coin Bags of Textile Material.
Claims use since Jan. 15, 1926.

Ser. No. 227,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. D. ROSZELL COMPANY, Peoria, Ill. Filed Feb. 27, 1926.

GOLD CROWN

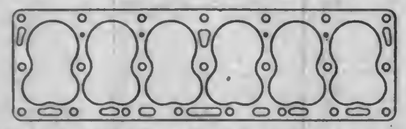
Particular description of goods.—Pasteurized Milk.
Claims use since Apr. 28, 1925.

Ser. No. 228,111. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) K. C. B. ELECTRIC MFG. CO., Sacramento, Calif. Filed Mar. 4, 1926.

K.C.B.

Particular description of goods.—Storage Batteries, Radiobatteries, Dry Cells, Assembled Radio Receiving Sets, Electric Motors, and Electric Generators.
Claims use since Oct. 22, 1925.

Ser. No. 228,151. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Mar. 4, 1926.



Particular description of goods.—Sheet Asbestos.
Claims use since Feb. 1, 1926.

Ser. No. 228,152. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Mar. 4, 1926.

VICTOR

Particular description of goods.—Sheet Asbestos.
Claims use since Feb. 1, 1926.

Ser. No. 228,153. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Mar. 4, 1926.

Vicbestos

Particular description of goods.—Sheet Asbestos.
Claims use since Feb. 1, 1926.

Ser. No. 228,169. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BASS AND GOLDBERG, doing business as American Press Board Co., New York, N. Y. Filed Mar. 5, 1926.

VIKI

Particular description of goods.—Dry-Cleaning Fluid for Fabrics and Other Materials.
Claims use since about Feb. 1, 1926.

Ser. No. 228,301. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE COLSON COMPANY, Elyria, Ohio. Filed Mar. 8, 1926.

THE COLSON CO
SILVER RING
ELYRIA. OHIO. U.S.A.

The words "Elyria, Ohio, U. S. A." are disclaimed as not being a part of the trade-mark sought to be registered.
Particular description of goods.—Bicycles.
Claims use since on or about July 1, 1925.

Ser. No. 228,399. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AMERICAN ROAD MACHINERY COMPANY, Kennett Square, Pa. Filed Mar. 10, 1926.

CHAMPION

Particular description of goods.—Distributing Wagons, Dumping Wagons, and Road Oil Distributors.
Claims use since on or about Oct. 1, 1883.

Ser. No. 228,441. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RENO SPECIALTY COMPANY, Reno, Nevada. Filed Mar. 10, 1926.

DR. MARVEN'S POWDER
FOR CLEANSING ARTIFICIAL TEETH AND REMOVABLE BRIDGES
MANUFACTURED BY RENO SPECIALTY CO. RENO, NEV.

No claim is made to the exclusive use of the wording appearing on the drawing except in the arrangement and association shown.
Particular description of goods.—Powder for Cleaning Artificial Teeth.
Claims use since October, 1919.

Ser. No. 228,909. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Mar. 20, 1926.

KELSWORTH

Particular description of goods.—Batteries, Radio Receiving Sets, and Parts Therefor.
Claims use since about Jan. 15, 1926.

Ser. No. 228,910. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Mar. 20, 1926.

KELSWORTH

Particular description of goods.—Vacuum Cleaners.
Claims use since about Jan. 15, 1926.

Ser. No. 228,911. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Mar. 20, 1926.

KELSWORTH

Particular description of goods.—Washing Machines.
Claims use since about Jan. 15, 1926.

Ser. No. 230,867. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. W. BROOS, SONS & Co., Chicago, Ill. Filed Apr. 29, 1926.

DANDRIX

Particular description of goods.—Dandruff Remover and Preventer.
Claims use since about Jan. 2, 1916.

Ser. No. 230,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING HALPERN, doing business as Hal Pern M'f'g Co., Brooklyn, N. Y. Filed Apr. 30, 1926.

SKEETAROUT

Particular description of goods.—Insecticide.
Claims use since about May 1, 1925.

Ser. No. 231,114. (CLASS 10. FERTILIZERS.) JULIUS LOEWITH, INC., New York, N. Y. Filed May 4, 1926.

CROP

TRADE MARK REG.

No claim is made to the words "Trade Mark Reg." apart from the mark as shown.
Particular description of goods.—Form of Peat Moss Used as a Humus or Soil Improver.
Claims use since Apr. 1, 1926.

Ser. No. 232,686. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL TUBE COMPANY, Pittsburgh, Pa. Filed June 3, 1926.



The mark consists of the representation of a scale and the word "Free" inclosed within a circle.
Particular description of goods.—Metal Pipes, Tubes, and Pipe Couplings.
Claims use since about May 7, 1926.

Ser. No. 232,721. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) EAGLE LEATHER GOODS COMPANY, Philadelphia, Pa. Filed June 4, 1926.



No claim is made for protection under the act for the word "Genuine" or for the expression "Borhyde" apart from the mark shown in the drawing.
Particular description of goods.—Suitcases, Fitted Cases, and Hand Bags.
Claims use since about May 10, 1926.

Ser. No. 233,926. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed June 30, 1926.

G

Particular description of goods.—Saw-Blade Blanks, Rolled and Hammered Steel, and Drawn Steel.
Claims use since the year 1846.

Ser. No. 234,503. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMPAGNIE D'APPLICATIONS MÉCANIQUES, Paris, France. Filed July 14, 1926.

RAF

Particular description of goods.—Spring Pneumatic or Hydraulic Suspensions, Leaf Springs, Auto Buffer Leaf Springs, Spring Sheaths, Suspension Stabilizers, Spring Brakes, and Particularly All Types of Antivibration Shock Absorbers and Buffers, Bumpers, and Their Fastenings.
Claims use since June 8, 1923.

Ser. No. 234,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE "Y & B" CORPORATION, Charlotte, N. C. Filed July 20, 1926.

MECKO

The mark consists in the word "Mecko."
Particular description of goods.—Dairy Products—Viz, Milk, Butter, Ice Cream, and Buttermilk.
Claims use since 1921.

Ser. No. 235,767. (CLASS 38. PRINTS AND PUBLICATIONS.) ANTHONY G. YOUNG, New York, N. Y., assignor to Companion Publishing Company, Inc., New York, N. Y. Filed Aug. 9, 1926.

The Smokers Companion
A National Monthly For Hearth And Home

The words "A National Monthly for Hearth and Home" are disclaimed aside from the mark as shown.
Particular description of goods.—Monthly Publications.
Claims use since July 1, 1926.

Ser. No. 236,214. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LILY FOUNDRY COMPANY, Los Angeles, Calif. Filed Aug. 20, 1926.

LILY
WHITE

The descriptive word "White" is hereby disclaimed apart from the mark shown.
Particular description of goods.—Plumbers' and Steam-Fitters' Supplies—Namely, Toilet Bowls, Basins, Bathtubs, Baby Baths, Sinks, Toilet Bowls, Lavatories, and Flush Tanks.
Claims use since Mar. 1, 1926.

Ser. No. 236,307. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE EDWARD VALVE AND MANUFACTURING CO., East Chicago, Ind. Filed Aug. 23, 1926.

FERAC

Particular description of goods.—Valves for Controlling the Flow of Fluids—Namely, Globe and Angle Stop Valves, Check Valves, Stop and Check Valves, Atmospheric Relief Valves, Nonreturn Valves, Pressure-Limiting Valves, and Blow-Off Valves.
Claims use since June 26, 1926.

Ser. No. 236,923. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX FEIST, INC., New York, N. Y. Filed Sept. 7, 1926.

MINUETTE

Particular description of goods.—Velvets in the Piece.
Claims use since Apr. 8, 1926.

Ser. No. 237,181. (CLASS 25. LOCKS AND SAFES.) MASTER LOCK COMPANY, Milwaukee, Wis. Filed Sept. 13, 1926.

MASTER

Particular description of goods.—Locks.
Claims use since Sept. 1, 1922.

Ser. No. 237,823. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOSEPH SCADRON, New York, N. Y., assignor to U. S. Bifocal Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1926.

SUPER-SITE

"Super-Site."
Particular description of goods.—Ophthalmic Lenses and Frames and Mountings Therefor.
Claims use since Feb. 2, 1916.

Ser. No. 237,995. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Sept. 30, 1926.

Tribout

Particular description of goods.—Ladies' Hand Bags.
Claims use since October, 1923.

Ser. No. 238,054. (CLASS 39. CLOTHING.) HONOR L. EAGER, doing business as Good Luck Products Company, Sheepshead Bay, Brooklyn, N. Y. Filed Oct. 2, 1926.

Good Luck

Particular description of goods.—Garters.
Claims use since October, 1921.

Ser. No. 238,622. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIMON MATTRESS MANUFACTURING CO., San Francisco, Calif. Filed Oct. 14, 1926.

SIMON

PURE

Particular description of goods.—Bedding—Namely, Bed Comforters.
Claims use since Jan. 1, 1925.

Ser. No. 238,929. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WALTHAM WATCH COMPANY, Waltham, Mass. Filed Oct. 20, 1926.



Applicant is the owner of registration 82,124, effected under the 10-year proviso of the act of 1905.
Particular description of goods.—Watches and Parts Thereof.
Claims use since on or about July, 1900.

Ser. No. 239,201. (CLASS 39. CLOTHING.) MARGARET SEKEY, New York, N. Y. Filed Oct. 25, 1926.

COQUET

Particular description of goods.—Bandeaux Such as Brassières.
Claims use since Sept. 23, 1926.

Ser. No. 239,347. (CLASS 39. CLOTHING.) THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y. Filed Oct. 28, 1926.

"LOCKNIT"

Particular description of goods.—Women's and Children's Dresses, Coats, Suits, Sweaters, Bloomers, and Vests; Men's, Women's, and Children's Underwear of Knitted Fabric and Textile Fabric, and Negligee Shirts.
Claims use since about Oct. 20, 1926.

Ser. No. 239,865. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INC., New York, N. Y. Filed Nov. 9, 1926.

ULTIMAX

Particular description of goods.—Electrical Apparatus, More Particularly for Choke Coils and Condensers for Radio Receiving Apparatus.
Claims use since Aug. 10, 1926.

Ser. No. 240,035. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARABEE FLOUR MILLS COMPANY, doing business as The Monarch Milling Company, Kansas City, Mo. Filed Nov. 13, 1926.

Wyandotte

"Wyandotte."
Particular description of goods.—Wheat Flour.
Claims use since 1914.

Ser. No. 240,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTHWEST CANNING COMPANY, Puyallup, Wash. Filed Nov. 15, 1926.



The lining in the drawing is for shading purposes only and color forms no essential feature of the mark.
Particular description of goods.—Jams, Jellies, Fruit Butters, and Canned Fruits.
Claims use since July 15, 1913.

Ser. No. 240,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SANTORIS COMPANY, St. Paul, Minn. Filed Nov. 22, 1926.

SANTORIS

Particular description of goods.—Medicinal Preparation in Liquid Form for Internal Use as a Mouth Wash in the Treatment of Tonsilitis, Sore Throat, Pyorrhea, Bleeding and Spongy Gums, Pain After Tooth Extraction, and Soreness Following Throat Operation.
Claims use since Oct. 1, 1926.

Ser. No. 240,875. (CLASS 39. CLOTHING.) THE OPPENHEIMER-STRAUS COMPANY, Cincinnati, Ohio. Filed Dec. 2, 1926.

PHOENIX

Applicant owns registration Nos. 24,207 and 64,324.
Particular description of goods.—Shirts—Namely, Dress, Negligee, Work, and Under Shirts: Underwear of Knitted and Textile Fabrics, Hosiery, Sweaters, Bathing Suits, Belts in the Nature of Garment Supporters, and Mufflers for Men, Women, and Children.
Claims use since December, 1883.

Ser. No. 240,887. (CLASS 39. CLOTHING.) WILLIAM F. TAUBEL, INCORPORATED, Riverside, N. J. Filed Dec. 2, 1926.



Applicant owns registration No. 69,204.
Particular description of goods.—Stockings.
Claims use since July, 1894.

Ser. No. 241,036. (CLASS 2. RECEPTACLES.) ARMIN DEGENER, INC., New York, N. Y. Filed Dec. 6, 1926.



Particular description of goods.—Jewel Boxes, Sewing Baskets, Perfume Boxes, Glove and Handkerchief Boxes, Made of Leather.
Claims use since January, 1924.

Ser. No. 241,069. (CLASS 39. CLOTHING.) SAM ROSENBAUM & SONS COMPANY, doing business as Kalamazoo Pant Company, Kalamazoo, Mich. Filed Dec. 6, 1926.

ONE-AJUST

Particular description of goods.—Men's, Women's, and Children's Knickerbockers and Riding Breeches.
Claims use since Feb. 1, 1924.

Ser. No. 241,072. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) SUNNYSIDE MALT SYRUP CO., Minneapolis, Minn. Filed Dec. 6, 1926.

MILWAUKEE FAMOUS

The words "Milwaukee Famous" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Malt Sirup.
Claims use since Aug. 1, 1925.

Ser. No. 241,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SMOKED SALT COMPANY, Cincinnati, Ohio. Filed Dec. 7, 1926.

Old Hickory SMOKED SALT EDWARDS PROCESS

The words "Smoked Salt" and "Edwards Process" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Salt.
Claims use since on or about July 1, 1925.

Ser. No. 241,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTHWEST CANNING COMPANY, Puyallup, Wash. Filed Dec. 8, 1926.



The lining on the drawing is for shading purposes only, and color forms no essential feature of the mark.
Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since July 15, 1913.

Ser. No. 241,287. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Dec. 10, 1926.

KAUFMANN'S PRIDE OF PITTSBURGH

No claim is made to the word "Kaufmann's" apart from the mark as shown.
Particular description of goods.—Cotton Bed Sheets, Linen Bed Sheets, Cotton Pillowcases, Linen Pillowcases, Cotton Bedspreads, Rayon Bedspreads, Silk Bedspreads, Cotton Bolsters, Rayon Bolsters, Linen Bolsters, Cotton Comforts, Down Comforts, Wool Comforts, Cotton and Wool Comforts, Cotton Blankets, Wool Blankets, Cotton and Wool Mixed Blankets, Part-Wool Blankets, Linen Tablecloths (Plain and Embroidered), Linen Napkins, Linen Damask Cloths, Linen Damask Napkins, Linen Scarfs, Doilies, Buffet Sets, Ovals, Oblongs, Rounds, Linen Towels, Cotton Towels, Linen Toweling (by the Yard), Cotton Toweling (by the Yard), Velvet Fabrics (by the Yard), Silk Fabrics (by the Yard), Wool Fabrics (by the Yard), Cotton Fabrics (by the Yard), Rayon Fabrics (by the Yard), Muslin (by the Yard), Linen (by the Yard), and Bedticking of Cotton.
Claims use since about Nov. 28, 1926.

Ser. No. 241,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RICHLITE PRODUCTS CO., Cleveland, Ohio. Filed Dec. 18, 1926.

DOTMALLOWS

Particular description of goods.—Marshmallows.
Claims use since Dec. 10, 1926.

Ser. No. 241,760. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Dec. 20, 1926.

CARTRIDGE

Particular description of goods.—Radiators for Automotive Vehicles and Parts Thereof.
Claims use since February, 1921.

Ser. No. 241,802. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PAUL L. BARUCH PUBLISHING CO. INCORPORATED, New York, N. Y. Filed Dec. 22, 1926.

Beauté porte sa Bourse PLCB

Particular description of goods.—Greeting Cards, Posters, Pictures, Advertising Cards, Circulars, Folders, Books, Printed Labels, and Wall Calendars.
Claims use since on or about Dec. 3, 1926.

Ser. No. 241,856. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ASSOCIATED DRUGGISTS OF NEW JERSEY, Newark, N. J. Filed Dec. 23, 1926.

RINET

Particular description of goods.—Sanitary Napkins Made Partly of Paper and Gauze.
Claims use since Aug. 14, 1926.

Ser. No. 241,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GAROFALO BROTHERS, Chicago, Ill. Filed Dec. 27, 1926.

GAROFALO

Exclusive use of the word "Garofalo" separate and apart from the mark shown in the drawing is disclaimed.
Particular description of goods.—Canned Fruits—Namely, Canned Peaches, Canned Apricots, Canned Pineapple, Blackberry Preserves, Canned Cherries, Canned Figs, and Orange Marmalade; Canned Vegetables—Namely, Canned Corn, Canned Tomatoes, Canned Peas, and Canned Beans; Canned Sea Food—Namely, Canned Lobster, Canned Clams, Canned Oysters, Canned Tunny, and Canned Shrimp; Coffee, Tea; Food-Flavoring Extracts—Namely, Vanilla and Lemon; Spices—Namely, Ginger, Allspice, Pepper, Mustard, and Nutmeg; Olive Oil, Salad Oil, Pickles; Chili Sauce, Green and Ripe Olives; Tomato Catchup; Alimentary Products—Namely, Macaroni, Spaghetti, Vermicelli, and Noodles; Canned Soups—Namely, Bean, Clam Chowder, and Tomato; Breakfast Cereals, Butter, Cheese; Chile Con Carne, Vinegar, Condensed Milk, Wheat Flour, Table Sirup, Peanut Butter, Canned Mincemeat.
Claims use since July 1, 1923.

Ser. No. 242,058. (CLASS 39. CLOTHING.) HUDSON SILK HOSIERY CO., INC., Charlotte, N. C. Filed Dec. 28, 1926.

HudsonPeak

Particular description of goods.—Hosiery.
Claims use since about Sept. 29, 1926.

Ser. No. 242,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PEARL COFFEE COMPANY, Akron, Ohio. Filed Jan. 3, 1927.

DIANA BRAND PEARL COFFEE CO. COFFEE

The words "Brand" and "Coffee" on said drawing are specifically disclaimed.
Particular description of goods.—Coffee.
Claims use since July 1, 1926.

Ser. No. 242,358. (CLASS 15. OILS AND GREASES.) R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Jan. 4, 1927.

R. T. VANDERBILT CO. N.Y. OHM OIL AMERICAN PRODUCTS

No claim is made for the words "R. T. Vanderbilt Co., N. Y., American Products, Oil" apart from the distinctive design shown in the drawing.
Particular description of goods.—Mineral Oil Used as an Insulating Medium in Electric Apparatus.
Claims use since Oct. 1, 1926.

Ser. No. 242,507. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SILVERGLO LAMPS, INC., Baltimore, Md. Filed Jan. 7, 1927.

SILVERGLO

Particular description of goods.—Permanent and Portable Electric-Lighting Fixtures and Stands, Lamps, and Parts Thereof.
Claims use since on or about Dec. 1, 1926.

Ser. No. 242,619. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RILEY STOKER CORPORATION, Worcester, Mass. Filed Jan. 10, 1927.

ATRITA

Particular description of goods.—Pulverizers for Industrial Uses.
Claims use since July 9, 1926.

Ser. No. 242,664. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Jan. 11, 1927.

Gusher

Particular description of goods.—Gloves, Mittens, and Gauntlets Made From Textile Fabric, Leather, and Combinations Thereof.
Claims use since May, 1915.

Ser. No. 242,738. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INC., New York, N. Y. Filed Jan. 12, 1927.

AUDIOPACK

Particular description of goods.—Electrical Apparatus, More Particularly for Audiofrequency Transformers, Condensers, and Sockets for Use in Radio Receiving Sets.
Claims use since Dec. 3, 1926.

Ser. No. 242,739. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INC., New York, N. Y. Filed Jan. 12, 1927.

DUOPACK

Particular description of goods.—Electrical Apparatus, More Particularly for Audiofrequency Transformers, Condensers, and Sockets for Use in Radio Receiving Sets.
Claims use since Dec. 3, 1926.

Ser. No. 242,962. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OUTING MANUFACTURING COMPANY, Elkhart, Ind. Filed Jan. 17, 1927.



Particular description of goods.—Fishing-Tackle Boxes.
Claims use since May 13, 1926.

Ser. No. 242,994. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. W. HARRIS OIL COMPANY, Providence, R. I. Filed Jan. 18, 1927. Under section 5b of the act of 1905 as amended in 1920.

HARRIS

Particular description of goods.—Motor-Car Soap and Metal Polish.
Claims use on motor-car soap since August, 1913; on nickel polish since January, 1925.

Ser. No. 243,013. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHARMAKON A. G. CHEMISCHE FABRIK, Frankfort-on-the-Main, Germany. Filed Jan. 18, 1927.

Lavamanum

Particular description of goods.—Disinfectants for Hands and the Field of Operation and a Cosmetic for the Skin.
Claims use since March, 1926.

Ser. No. 243,067. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SOUTHERN CALIFORNIA IRON & STEEL COMPANY, Huntington Park, Calif. Filed Jan. 19, 1927.

SOUTHERN CALIFORNIA W IRON AND STEEL CO.

Particular description of goods.—Bolts, Screws, Lag Screws, Rivets, Nuts, and Washers.
Claims use since Oct. 1, 1926.

Ser. No. 243,159. (CLASS 39. CLOTHING.) KAUFMAN HATS INC., New York, N. Y. Filed Jan. 21, 1927.



CROSBY AND COMPANY

No claim is made to the fanciful firm name "Crosby and Company" nor to "XXXX Quality" apart from the mark shown.
Particular description of goods.—Hats for Men and Boys.
Claims use since Nov. 15, 1926.

Ser. No. 243,201. (CLASS 37. PAPER AND STATIONERY.) DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Jan. 22, 1927.

Dennison-craft

No registration rights are claimed for the word "Craft" apart from the mark shown in the drawing. Applicant is the owner of registration 70,426 (10 years).
Particular description of goods.—Crepe-Paper Outfit Consisting of Material for Making Crepe-Paper Flowers and Decorations.
Claims use since Dec. 28, 1926.

Ser. No. 243,267. (CLASS 39. CLOTHING.) THE GRAFT COMPANY, INC., New York, N. Y. Filed Jan. 24, 1927.



The drawing is lined for color; but color is not an essential feature of the mark. Applicant disclaims the right to the exclusive use of the word "Togs" apart from the mark as shown.
Particular description of goods.—Men's Suits.
Claims use since Jan. 17, 1927.

Ser. No. 243,305. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. B. CHAPPELL, INC., Philadelphia and Manayunk, Philadelphia, Pa. Filed Jan. 25, 1927.

SURFASAVER

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since Jan. 3, 1927.

Ser. No. 243,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B & K COMPANY, INCORPORATED, New Milford, N. J. Filed Jan. 26, 1927.



Applicant disclaims the word "Ointment" apart from the mark shown.
Particular description of goods.—Ointment for the Treatment of Pneumonia, Influenza, Rheumatism, Sciatica, Pleurisy, Neuralgia, Bronchitis, Headache, Earache, Lumbago, Sprains, Colds, Stiff Joints, and All Pains and Aches.
Claims use since Nov. 1, 1926.

Ser. No. 243,355. (CLASS 39. CLOTHING.) EVERY BUDDY BLOUSE CO., New York, N. Y. Filed Jan. 26, 1927.

Every Buddys

Particular description of goods.—Boy's Blouses and Dress Shirts.
Claims use since Apr. 15, 1921.

Ser. No. 243,485. (CLASS 37. PAPER AND STATIONERY.) FILLER & FIEBIG, Berlin, Germany. Filed Jan. 28, 1927.

Normograph

Particular description of goods.—Drawing Paper, Tracing Paper, Tracing Paper for Blue and Black Tracing, Stencils, Writing Stencils, Holders for Writing Stencils, Handles for Stencils, Pens for Writing With Writing Stencils, Fountain Pens, Penholders, and Writing Pads.
Claims use since Feb. 27, 1913.

Ser. No. 243,510. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE STERLING PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 28, 1927.

Resiliotex

Particular description of goods.—Asphaltum Paint Applied with a Brush, Gun, Trowel, or Any Other Suitable Painting Method to Building Surfaces Such as Wood, Metal, Masonry, and Stone for Waterproofing and Weatherproofing; Also Used in the Membrane Method of Waterproofing.
Claims use since about Nov. 1, 1926.

Ser. No. 243,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANATEE COUNTY CITRUS SUB-EXCHANGE, doing business as Citrus Growers Association, Bradenton, Fla. Filed Jan. 31, 1927.

OLD IRONSIDES

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Sept. 23, 1926.

Ser. No. 243,636. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE WOOLNER BREWING COMPANY, Toledo, Ohio. Filed Jan. 31, 1927.



The words "Windsor Dry" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Ginger Ale.
Claims use since Apr. 1, 1926.

Ser. No. 243,640. (CLASS 38. PRINTS AND PUBLICATIONS.) BETHLEHEM FABRICATORS, INC., Bethlehem, Pa. Filed Feb. 1, 1927.

THE RIVETER

Particular description of goods.—House Organ (Monthly Publication).
Claims use since Sept. 1, 1926.

Ser. No. 243,773. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GIACOMO ONORATO, doing business as Union Products Co., New Orleans, La. Filed Feb. 3, 1927.

JACKSON



Trade-mark consists of the name "Jackson" in association with a representation of an equestrian statue of President Andrew Jackson, deceased.
Particular description of goods.—Malt Extracts for Food Purposes.
Claims use since June 2, 1926.

Ser. No. 243,785. (CLASS 38. PRINTS AND PUBLICATIONS.) NORMAN RUSHTON, San Francisco, Calif. Filed Feb. 3, 1927.

SEVEN HILLS

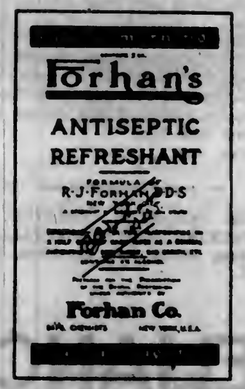
Particular description of goods.—Monthly Publication.
Claims use since Jan. 25, 1927.

Ser. No. 243,855. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GROTON CHEMICAL CO., Groton, Conn. Filed Feb. 5, 1927.

PARATINE

The lining is used to indicate red coloring.
Particular description of goods.—Thinners for Paints and Varnishes.
Claims use since Oct. 1, 1926.

Ser. No. 243,934. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORHAN COMPANY, New York, N. Y. Filed Feb. 7, 1927.



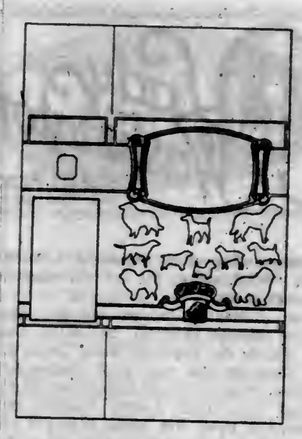
All wording appearing on the drawing with the exception of the signature "R. J. Forhan, D. D. S." the name "Forhan's," and the word "Refreshant" is disclaimed apart from the other features shown in the mark. The signature appearing on the mark is the facsimile signature of Dr. R. J. Forhan.
Particular description of goods.—Antiseptics.
Claims use since Jan. 15, 1927.

Ser. No. 244,036. (CLASS 15. OILS AND GREASES.) HENRY B. VAN DYNE, doing business as Van Dyne Oil Company, Troy, Pa. Filed Feb. 8, 1927.

VANCO

Particular description of goods.—Gasoline, Kerosene, Motor Oils, and Greases.
Claims use since Jan. 1, 1927.

Ser. No. 244,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD TRUSTY DOG FOOD COMPANY, Needham Heights, Mass. Filed Feb. 9, 1927.



The outline of the container of the goods shown in the drawing is disclaimed apart from the other features of the mark.
Particular description of goods.—Dog Food.
Claims use since May, 1925.

Ser. No. 244,096. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE PALAIS ROYAL, INC., Washington, D. C. Filed Feb. 9, 1927.



The representation of a woman is a fanciful picture. The words "Washington, D. C." are disclaimed apart from the mark shown.
Particular description of goods.—Artificial Rubies and Sapphires Used as Articles of Jewelry; Bags, Beaded and Mesh, Mounted in Precious Metal; Bead Necklaces; Beads, Precious Metal; Belt Buckles, Precious Metal; Bottles, Precious Metal; Boxes, Precious Metal; Bracelets, Brooches; Buckles, Precious Metal; Candelabra, Precious Metal; Candlesticks, Precious Metal; Vanity Cases, Precious Metal; Chains, Precious Metal, Such as Neck, Watch, Eyeglass, Vest, and Toggle; Charms; Combs, Precious Metal; Coral Jewelry; Cutlery, Precious Metal; Desk Sets Consisting of Silver or Gold Inkwell, Envelope Opener, and Scissors; Dishes, Precious Metal; Finger Rings; Table Forks, Precious Metal; Picture Frames, Precious Metal; Imitation Jewelry for Personal Wear, Not Including Watches; Imitation-Pearl Necklaces; Knives, Precious Metal; Lockets, Rhinestones Used as Articles of Jewelry, Watch Bracelets.
Claims use since Jan. 21, 1927.

Ser. No. 244,101. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE PALAIS ROYAL, INC., Washington, D. C. Filed Feb. 9, 1927.

Lady Washington
PALAIS ROYAL
WASHINGTON D.C.

The representation of a woman is a fanciful picture. The words "Washington, D. C." are disclaimed apart from the mark shown.

Particular description of goods.—Art Linen Pieces, Hair Curlers (Except Electric), Decorative Design Forms of Felt or Fabric for Appliqué Work, Dress Shields, Embroideries Made of Silk and Wool, Embroidery Foundations, Fabrics Stamped With Embroidery Patterns, Fans for Personal Use, Hand Sewing Needles and Knitting Pins, Hooks and Eyes, Art Linen Stamped for Embroidery, Lingerie Clasps Not Made of Precious Metal, Safety Pins Not Made of Precious Metal, and Transfer Patterns.

Claims use since Jan. 21, 1927.

Ser. No. 244,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARVEO INDUSTRIES, Grosse Ile, Mich. Filed Feb. 10, 1927.

ARVEO

Particular description of goods.—Preparation for Preventing Moths From Living in the Vicinity and Known as Cedar Bars, a Chemical for Increasing the Usefulness of Storage Batteries, and a Compound Adapted to Dissolve Accumulations of Grease and Remove Them from Drainpipes.

Claims use since Nov. 17, 1926.

Ser. No. 244,134. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CAMILLE CHARLIER AND ABRAHAM ERRERA, Brussels, Belgium. Filed Feb. 10, 1927.

RECORD

Particular description of goods.—Metal Pans and Kettles for Cooking.

Claims use since Jan. 27, 1926.

Ser. No. 244,159. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY LEROY LANE AND FRED LEE BOWLES, Tulsa, Okla. Filed Feb. 10, 1927.

Bacon Burger

No claim is made to the word "Bacon" apart from the mark shown.

Particular description of goods.—Sandwiches; Chili, Which is a Food Composed of Ground Beef, Suet, Crushed Crackers, Cracker Meal or Corn Meal, Onions or Garlic, Chili Peppers, Flavored with Salt and Black or Cayenne Pepper, Combined and Cooked and Sold in Cartons; and Hot Tamales.

Claims use since Aug. 1, 1926.

Ser. No. 244,180. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PIONEER RUBBER MILLS, San Francisco, Calif. Filed Feb. 10, 1927.

RELIANCE

Particular description of goods.—Rubber and Fabric Belting and Rubber Packing.

Claims use since 1898.

Ser. No. 244,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed Feb. 11, 1927.

CALOGREEN

Particular description of goods.—Calogreen, a Mercurial Salt Known as Mercurous Chloride Employed for the Control of Brown Patch on Putting Greens and Fine Lawns.

Claims use since Feb. 1, 1927.

Ser. No. 244,244. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SCHOLL MFG. CO. INC., Chicago, Ill. Filed Feb. 11, 1927.

Meta-Rest

"Meta-Rest."

Particular description of goods.—Insoles.

Claims use since Oct. 20, 1926.

Ser. No. 244,271. (CLASS 12. CONSTRUCTION MATERIALS.) THE ATLAS GYPSUM CORPORATION, New York, N. Y. Filed Feb. 12, 1927.

ATLAS GYPSUM

The words "Gypsum," "Trade-Mark," and "New York, N. Y." are disclaimed.

Particular description of goods.—Finely-Divided Gypsum.

Claims use since Jan. 27, 1927.

Ser. No. 244,290. (CLASS 37. PAPER AND STATIONERY.) COY, DISBROW & CO., INC., New York, N. Y. Filed Feb. 12, 1927.

LINCOLN HONESTY KRAFT

The word "Kraft" appearing in the drawing is claimed only by applicant in association with the other features of the mark shown.

Particular description of goods.—Kraft Paper in Rolls and Sheets.

Claims use since May 4, 1925.

Ser. No. 244,299. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. P. FULLER & CO., San Francisco, Calif. Filed Feb. 12, 1927.

PRYMALL

Particular description of goods.—Ready-Mixed, Semi-Paste, and Paste Paints; Varnish; Primer for Wood, Metal, and Other Materials; and Paint Enamel.

Claims use since February, 1922.

Ser. No. 244,346. (CLASS 39. CLOTHING.) BELLMORE MANUFACTURING COMPANY, Gainesville, Ga. Filed Feb. 14, 1927.

GOLD DIGGER

Particular description of goods.—Overalls, Overall Union Suits, Work Shirts, and Work Pants.

Claims use since Jan. 12, 1926.

Ser. No. 244,444. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed Feb. 16, 1927.

ESSEX SUPER SIX

Without waiving any common-law rights applicant hereby disclaims the exclusive use of the word "Essex" and of the word "Six" apart from the mark shown in the drawing.

Particular description of goods.—Gasoline Passenger Automobiles.

Claims use since Oct. 2, 1915.

Ser. No. 244,460. (CLASS 39. CLOTHING.) MOSS-HEIMER & JACOBS, New York, N. Y. Filed Feb. 16, 1927.



All right to the descriptive phrase "Warranted to Wear and Wash" is disclaimed.

Particular description of goods.—Infants' Dresses, One to Six Year Sizes.

Claims use since Jan. 17, 1927.

Ser. No. 244,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN R. KIRK, doing business as The Delaware Indian Remedies Co., Pueblo, Colo. Filed Feb. 17, 1927.



The word "Delaware" is disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Cough Sirup, Hair Tonic, Kidney and Bowel Medicines, Corn Salve, Bowel-Complaint Preparation, and Liver Preparation.

Claims use since July 15, 1926.

Ser. No. 244,513. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PHISTER MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Feb. 17, 1927.

ACE

Particular description of goods.—Fire Extinguishers Used to Project Extinguishing Fluids and Parts Therefor.

Claims use since Jan. 19, 1926.

Ser. No. 244,551. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) B. C. DUDLEY COAL COMPANY, Indianapolis, Ind. Filed Feb. 18, 1927.



Exclusive use of the words "Coal is Good Coal" is disclaimed excepting in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since October, 1925.

Ser. No. 244,554. (CLASS 10. FERTILIZERS.) GEORGIA FERTILIZER COMPANY, Valdosta, Ga. Filed Feb. 18, 1927.



No claim is made to the words "Above 'Em All in Quality, Your Crop Proves It" or the representation of the packaged goods apart from the mark as shown.

Particular description of goods.—Commercial Fertilizer and Nitrate of Soda and Potashes Used in the Production of Commercial Fertilizers.

Claims use since Dec. 20, 1926.

Ser. No. 244,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM KRASNE, doing business as A. Krasne, New York, N. Y. Filed Feb. 18, 1927.

KRASDALE

Particular description of goods.—Canned Fruits and Vegetables, Canned Fish, and Canned Shellfish.

Claims use since September, 1924.

Ser. No. 244,645. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER AGNOST, Omaha, Nebr. Filed Feb. 21, 1927.



No claim is made to the words "The Perfect Beautifier" apart from the mark shown.

Particular description of goods.—Skin Bleach and Beautifier.

Claims use since July 1, 1926.

Ser. No. 244,674. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Feb. 21, 1927.

OCTET

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Sept. 20, 1926.

Ser. No. 244,675. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Feb. 21, 1927.

QUINTET

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Sept. 20, 1926.

Ser. No. 244,676. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Feb. 21, 1927.

SEPTET

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Sept. 20, 1926.

Ser. No. 244,704. (CLASS 39. CLOTHING.) LULLWATER MANUFACTURING COMPANY, Atlanta, Ga. Filed Feb. 21, 1927.



Particular description of goods.—Men's and Boys' Work Shirts, Overalls, Women's and Girls' House Dresses, and Children's Play Suits.

Claims use since Jan. 1, 1927.

Ser. No. 244,751. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.

Claims use since May, 1926.

Ser. No. 244,752. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.

Claims use since about June, 1926.

Ser. No. 244,753. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



VENICE

The word "Venice" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Watches and Parts Thereof.

Claims use since about August, 1926.

Ser. No. 244,756. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



EAGLE WING

Particular description of goods.—Watches and Parts Thereof.

Claims use since about June, 1926.

Ser. No. 244,759. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.

Claims use since about April, 1926.

Ser. No. 244,760. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.

Claims use since September, 1926.

Ser. No. 244,778. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM KRASNE, doing business as A. Krasne, New York, N. Y. Filed Feb. 23, 1927.

Estelle

Particular description of goods.—Canned Fruits and Vegetables and Canned Tomato Purée.

Claims use since latter part of 1924.

Ser. No. 244,806. (CLASS 38. PRINTS AND PUBLICATIONS.) WESTERN CONSTRUCTION NEWS, INC., San Francisco, Calif. Filed Feb. 23, 1927.

WESTERN CONSTRUCTION NEWS

Particular description of goods.—Semimonthly Magazines.

Claims use since Jan. 10, 1926.

Ser. No. 244,811. (CLASS 39. CLOTHING.) S. AUGSTEIN & CO., New York, N. Y. Filed Feb. 24, 1927.

BLACK BOTTOM

Particular description of goods.—Sweaters and Bathing Suits for Men, Women, and Children.

Claims use since Feb. 21, 1927.

Ser. No. 244,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed Feb. 24, 1927.

PRIDE OF ILLINOIS

"Pride of Illinois."

Particular description of goods.—Canned Fruits, Canned Vegetables, Coffees, Flavoring Extracts for Foods, Spices, Canned Fish, Canned Soups, Canned Evaporated Milk, Dried and Evaporated Fruits, Shelled Peanuts Salted or Unsalted, Dried Vegetables, Jellies, Pickles, Salad and Cooking Oils, Table and Cooking Sirups, Mayonnaise, Breakfast Cereals, Macaroni, Spaghetti, Catchup, and Vinegar.

Claims use on canned vegetables since 1891, and on other goods named since July 15, 1926.

Ser. No. 244,879. (CLASS 39. CLOTHING.) I. MILLER AND SONS INCORPORATED, Long Island City, N. Y. Filed Feb. 25, 1927.

A Riquard MODEL

All rights to the exclusive use of the word "Model" is disclaimed apart from the mark as shown.

Particular description of goods.—Women's and Children's Shoes and Slippers Made of Leather, Fabrics, Cloth, and Combinations of These Materials.

Claims use since Jan. 1, 1927.

Ser. No. 244,887. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Feb. 25, 1927.

PURPLE LINE

Particular description of goods.—Electric Stoves, Plates, and Ranges.

Claims use since about Mar. 1, 1926.

Ser. No. 244,898. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Feb. 25, 1927.

WATKO

Particular description of goods.—Laundry and Toilet Soaps, Soap Jelly, Soap Powders, Soap Flakes, Shaving Cream Soaps, and Shaving Soaps, Shredded Soaps, Metal Polishes, Silver Polishes, Shoe Polishes, and Stove Polishes.

Claims use since Jan. 20, 1927.

Ser. No. 244,929. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WAYNE M. GRIFFIN, Manchester, N. H. Filed Feb. 26, 1927.



Particular description of goods.—Mouth-Operated Musical Wind Instruments of the Reed Type.

Claims use since Jan. 28, 1927.

Ser. No. 244,954. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE NORTHERN RUBBER COMPANY, Barberton and Akron, Ohio. Filed Feb. 26, 1927.



Particular description of goods.—Pneumatic-Tire Casings and Inner Tubes Therefor.

Claims use since January, 1924.

Ser. No. 244,965. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BURTON R. CHARLES, doing business as Charles Radium Laboratories, Los Angeles, Calif. Filed Feb. 28, 1927.

ORALLOY

Trade-mark consists of the word "Oralloy."

Particular description of goods.—Dental Gold.

Claims use since Feb. 3, 1927.

Ser. No. 244,972. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y. Filed Feb. 28, 1927.

DURO-DUK

Applicant makes no claim to the word "Duk" apart from the mark as shown.

Particular description of goods.—Cotton Duck in the Piece.

Claims use since Feb. 4, 1927.

Ser. No. 244,983. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENOL COMPANY, Chicago, Ill. Filed Feb. 28, 1927.

CENOL

Particular description of goods.—Moth Destroyer, Bedbug Destroyer, Roach Destroyer, Mosquito Destroyer, Ant Destroyer, Rat Destroyer, Fly Destroyer, Louse Destroyer, Insect Powders, Mosquito Chaser, Mosquito Smudge, Ant Poison, Fly Repellant, Egg Preserver, Dip Disinfectant, Foot Powder, Analgesic-Balm Salve, Soot Remover for Flues and the Like, Pipe Flush for Opening Clogged Water, Drain, or Sewer Pipes.

Claims use since Jan. 2, 1922.

Ser. No. 244,985. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BURTON R. CHARLES, doing business as Charles Radium Laboratories, Los Angeles, Calif. Filed Feb. 28, 1927.

Perfectocoil

Particular description of goods.—Electroradium Belts for Therapeutic Use.

Claims use since August, 1926.

Ser. No. 244,986. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) COMPRESS BUCKLE COMPANY, Fort Worth, Tex., and Attalla, Ala. Filed Feb. 28, 1927.

C

Particular description of goods.—Buckles for Cotton-Bale Ties.

Claims use since about Mar. 1, 1917.

Ser. No. 244,992. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DECELECO, INC., Wayne, Mich. Filed Feb. 28, 1927.

ZELLITE

Particular description of goods.—Artificial Stone for Electrical Insulation and Electric Barriers for Arrangement Between High-Tension Electric Conduits and Apparatus.

Claims use since Nov. 1, 1926.

Ser. No. 245,030. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) V. V. ROE, doing business as All-Henry Coil Company, South Gate, Calif. Filed Feb. 28, 1927.

ALL-HENRY!

Particular description of goods.—Radio Inductance Coils of the Basket or Lorenz Type.

Claims use since Dec. 14, 1924.

Ser. No. 245,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLE CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 1, 1927.

Cast-O-Cream

Particular description of goods.—General Laxative.

Claims use since Feb. 15, 1927.

Ser. No. 245,065. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed Mar. 1, 1927.

MACK AND MARX—

Particular description of goods.—Series of Cartoons or Comic Strips in Its Daily Newspaper—To Wit, The New York Evening Graphic.

Claims use since Nov. 5, 1926.

Ser. No. 245,083. (CLASS 39. CLOTHING.) DALTON HAT CO. INC., Yonkers, N. Y. Filed Mar. 2, 1927.

ROYAL CLUB

Particular description of goods.—Men's Hats.

Claims use since about July, 1924.

Ser. No. 245,084. (CLASS 39. CLOTHING.) DALTON HAT CO. INC., Yonkers, N. Y. Filed Mar. 2, 1927.

Royal Court

Particular description of goods.—Men's Hats.

Claims use since about July, 1924.

Ser. No. 245,088. (CLASS 37. PAPER AND STATIONERY.) HYMAN FISHMAN, doing business as H. Fishman Paper Co., New York, N. Y. Filed Mar. 2, 1927.

"SERVALL"

Particular description of goods.—Wrapping Paper, Wax Paper, and Toilet Paper.

Claims use since Jan. 20, 1927.

Ser. No. 245,094. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HOOPER-MANKIN FUEL COMPANY, Huntington, W. Va., Battle Creek, Mich., and Richmond, Va. Filed Mar. 2, 1927.

Nelson Victory Coal

NELSON'S FLAGSHIP VICTORY

No claim is made to the word "Coal" apart from the mark shown.

Particular description of goods.—Coal.

Claims use since Apr. 1, 1926.

Ser. No. 245,100. (CLASS 15. OILS AND GREASES.) LOOBOYLE REFINING COMPANY, Tulsa, Okla., and Joplin, Mo. Filed Mar. 2, 1927.

Looboyle's MOTOR OIL

The words "Motor Oil" are hereby disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Gasoline and Lubricating Oils.

Claims use since or about Aug. 1, 1920.

Ser. No. 245,110. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) F. L. SMIDTH & CO., New York, N. Y. Filed Mar. 2, 1927.

UNAX

Particular description of goods.—Clinker Coolers for Rotary Cement Kilns.

Claims use since Dec. 29, 1926.

Ser. No. 245,157. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MOTOMETER COMPANY, INC., Long Island City, N. Y. Filed Mar. 3, 1927.

MOTOMETER

Particular description of goods.—Spark Plugs.

Claims use since on or about Jan. 1, 1927.

Ser. No. 245,166. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ST. LOUIS PRODUCTS COMPANY, St. Louis, Mo. Filed Mar. 3, 1927.

JOLLY DUTCH

No claim is made to the word "Dutch" apart from the trade-mark shown.

Particular description of goods.—Malt Sirup.

Claims use since about Jan. 14, 1927.

Ser. No. 245,235. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GERALD A. TIPTON, Quincy, Ill. Filed Mar. 4, 1927.

MANI-PAK

Particular description of goods.—Manicure Sets Each Consisting of a Set of Manicure Implements Sold as a Unit.

Claims use since Sept. 15, 1926.

Ser. No. 245,236. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES ROOFING CORPORATION, Hasbrouck Heights, N. J. Filed Mar. 4, 1927.

DURUS

Particular description of goods.—Asphalt in Liquid Form and Asphalt Roofing Felt.

Claims use since as early as Mar. 11, 1915.

Ser. No. 245,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES V. FERRIS, Colorado Springs, Colo. Filed Mar. 5, 1927.



The portrait appearing on the drawing is that of the applicant.

Particular description of goods.—Preparation for the Treatment of Skin Diseases.

Claims use since Jan. 1, 1907.

Ser. No. 245,261. (CLASS 12. CONSTRUCTION MATERIALS.) FISKE & COMPANY, INC., Boston, Mass. Filed Mar. 5, 1927.

HARVALE

Particular description of goods.—Bricks.

Claims use since April, 1922.

Ser. No. 245,277. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRANK LUIPERSBEK, Bound Brook, N. J. Filed Mar. 5, 1927.



Particular description of goods.—Ball-and-Socket Banister Construction Joints.

Claims use since Nov. 1, 1926.

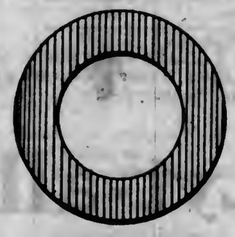
Ser. No. 245,278. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANK LUIPERSBEK, Bound Brook, N. J. Filed Mar. 5, 1927.



Particular description of goods.—Wind Vanes.

Claims use since Nov. 6, 1926.

Ser. No. 245,302. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass. Filed Mar. 5, 1927.



The lining on the drawing indicates the color red.

Particular description of goods.—Saws and Machine Knives.

Claims use since Dec. 6, 1926.

Ser. No. 245,314. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WM. ANDERSON CO., Stockton, Calif. Filed Mar. 7, 1927.

BURLANG

Particular description of goods.—Waterproof Paint in Ready-Mixed Form.

Claims use since Feb. 15, 1927.

Ser. No. 245,323. (CLASS 12. CONSTRUCTION MATERIALS.) THE BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed Mar. 7, 1927.

BELCO

Particular description of goods.—Asphalt Roofing.

Claims use since July 13, 1914.

Ser. No. 245,326. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BLUE DIAMOND COAL COMPANY, Knoxville, Tenn. Filed Mar. 7, 1927.

SOUTHERN SUNSHINE

Particular description of goods.—Coal.

Claims use since Jan. 1, 1927.

Ser. No. 245,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EOTHEN MFG. CO., Cleveland, Ohio. Filed Mar. 7, 1927.

SHOOR-LAX

Particular description of goods.—Chocolate Laxative.

Claims use since Dec. 30, 1926.

Ser. No. 245,368. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) REX PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 7, 1927.

Kola

Particular description of goods.—Soaps.

Claims use since Mar. 2, 1927.

Ser. No. 245,394. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio. Filed Mar. 8, 1927.

KIDIKAF

Particular description of goods.—Leather.

Claims use since on or about May 20, 1919.

Ser. No. 245,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOODWORTH, INC., New York, N. Y., and Rochester, N. Y. Filed Mar. 8, 1927.

Weather Cream

No claim is made to the word "Cream" except in conjunction with the other elements of the trade-mark.

Particular description of goods.—Face Creams.

Claims use since Feb. 9, 1927.

Ser. No. 245,428. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed Mar. 9, 1927.

CELSIL

Particular description of goods.—Textile Fabrics—Namely, Piece Goods of Silk and Rayon.

Claims use since Feb. 10, 1927.

Ser. No. 245,437. (CLASS 2. RECEPTACLES.) GROWELL POT COMPANY, INC., New York, N. Y. Filed Mar. 9, 1927.

GROWELL

Particular description of goods.—Seedling Growing and Setting-Out Receptacles Made of Peat.

Claims use since Mar. 2, 1927.

Ser. No. 245,445. (CLASS 38. PRINTS AND PUBLICATIONS.) LOUIS E. MCILVAIN, Chicago, Ill. Filed Mar. 9, 1927.

The MASTER BARBER MAGAZINE

The word "Magazine" is disclaimed apart from the mark shown. Trade-mark, "The Master Barber Magazine."
Particular description of goods.—Monthly Magazine.
Claims use since Jan. 15, 1927.

Ser. No. 245,446. (CLASS 38. PRINTS AND PUBLICATIONS.) MCQUIDDY PRINTING COMPANY, Nashville, Tenn. Filed Mar. 9, 1927.

The Dixie Poultry Journal

"The Dixie Poultry Journal." The word "The" is disclaimed apart from the mark shown.
Particular description of goods.—Monthly Magazine.
Claims use since Oct. 1, 1926.

Ser. No. 245,449. (CLASS 17. TOBACCO PRODUCTS.) THE NEWMAN CIGAR CO., Cleveland, Ohio. Filed Mar. 9, 1927.



Without waiving any common-law rights applicant disclaims the right to the exclusive use of the words "Jose" and "Java" apart from the other features of the mark shown in the drawing. The portrait is a fanciful picture of a Spanish gentleman.
Particular description of goods.—Cigars.
Claims use since Jan. 1, 1924.

Ser. No. 245,450. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PRATT & LAMBERT, INC., Buffalo, N. Y. Filed Mar. 9, 1927.

FILTEX

Particular description of goods.—Paint Enamels, Varnishes; Dry, Ready-Mixed, and Paste Paints; Wood Stains, Paste Wood Fillers, Glazing Putty, Surfacers, Primers, Japan and Liquid Driers, Paint and Varnish Removers, Pyroxylin or Nitrocellulose Lacquers, Lacquer Enamels, and Thinners (Solvents).
Claims use since Mar. 15, 1921.

Ser. No. 245,452. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PRATT & LAMBERT, INC., Buffalo, N. Y. Filed Mar. 9, 1927.

Lyt-all

Particular description of goods.—Paint Enamels, Varnishes; Dry, Ready-Mixed, and Paste Paints; Wood Stains, Paste Wood Fillers, Glazing Putty, Surfacers, Primers, Japan and Liquid Driers, Paint and Varnish Removers, Pyroxylin or Nitrocellulose Lacquers, Lacquer Enamels, and Thinners (Solvents).
Claims use since Feb. 18, 1918.

Ser. No. 245,464. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BAKER & CO. INC., Newark, N. J. Filed Mar. 10, 1927.

PALLADENT

Particular description of goods.—Dental Alloys.
Claims use since November, 1926.

Ser. No. 245,472. (CLASS 39. CLOTHING.) CHAUSSURES BALLY SOCIÉTÉ ANONYME DE FABRICATION, Schoenenwerd, Switzerland. Filed Mar. 10, 1927.

Aux Capucines

Particular description of goods.—Boots, Shoes, Sandals, Moccasins, and Bath Slippers Made of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Oct. 18, 1921.

Ser. No. 245,475. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CONTINENTAL RUBBER COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 10, 1927.

AMPAR.

Particular description of goods.—Crude Rubber.
Claims use since Jan. 21, 1927.

Ser. No. 245,483. (CLASS 39. CLOTHING.) THE GREEN-HAAS-SCHWARTS COMPANY, Cleveland, Ohio. Filed Mar. 10, 1927.

Ann Pennington

The trade-mark is a representation of the personal signature of Ann Pennington.
Particular description of goods.—Knitted Sweaters and Jackets.
Claims use since Feb. 7, 1927.

Ser. No. 245,518. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SAFETY PRODUCTS CORPORATION, St. Louis, Mo. Filed Mar. 10, 1927.

SAFECO

Particular description of goods.—Hydraulic Brake Appliances, Self-Compensating Master Cylinders, and Leakproof Wheel Cylinders.
Claims use since Feb. 23, 1927.

Ser. No. 245,544. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS INC., Reserve, La. Filed Mar. 11, 1927.

BRILLIANT STAR

Particular description of goods.—Cane-Sugar Sirups.
Claims use since Feb. 15, 1927.

Ser. No. 245,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS INC., Reserve, La. Filed Mar. 11, 1927.

RESERVE

Particular description of goods.—Cane-Sugar Sirups.
Claims use since Feb. 15, 1927.

Ser. No. 245,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS INC., Reserve, La. Filed Mar. 11, 1927.

YELLOW STAR

Particular description of goods.—Cane-Sugar Sirups.
Claims use since Feb. 15, 1927.

Ser. No. 245,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS INC., Reserve, La. Filed Mar. 11, 1927.

TWINKLE STAR

Particular description of goods.—Cane-Sugar Sirups.
Claims use since Feb. 15, 1927.

Ser. No. 245,554. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Mar. 11, 1927.

LORDS OF ENGLAND

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Dec. 24, 1926.

Ser. No. 245,558. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INMAN MILLS, Inman, S. C. Filed Mar. 11, 1927.



Particular description of goods.—Cotton Goods in the Piece.
Claims use since July 3, 1923.

Ser. No. 245,581. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Mar. 11, 1927.



The background of the box is yellow, the representation of the ribbon as if tied around the box is blue, the representation of the seal at the intersection of the ribbon is red, and the word "Pro-phy-lac-tic" is printed in red except where it appears on the seal, in which case it is printed in white. No claim is made to the representation of the box. Applicant is the owner of registrations 44,414, 198,241, 204,690, and 211,108.
Particular description of goods.—Hairbrushes, Clothes Brushes, Lather Brushes, and Military Brushes.
Claims use since 1885.

Ser. No. 245,591. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE STARR PIANO COMPANY, Richmond, Ind. Filed Mar. 11, 1927.

Electrobeam

Particular description of goods.—Phonograph Records.
Claims use since Jan. 1, 1927.

Ser. No. 245,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERTA CANDY CO. INC., San Francisco, Calif. Filed Mar. 12, 1927.

HIGHWAY

Particular description of goods.—Candy.
Claims use since Mar. 2, 1925.

Ser. No. 245,635. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Mar. 12, 1927.

HALLCRAFT

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Dec. 27, 1920.

Ser. No. 245,645. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Mar. 12, 1927.

Country Club

Particular description of goods.—Lawn Seed.
Claims use since Feb. 1, 1927.

Ser. No. 245,650. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOLINE IMPLEMENT COMPANY, Moline, Ill. Filed Mar. 12, 1927. Under 10-year proviso.

MONITOR

Particular description of goods.—Agricultural Implements, Particularly Grain Drills and Seeding Machines.
Claims use since June 1, 1874.

Ser. No. 245,684. (CLASS 12. CONSTRUCTION MATERIALS.) THE ALLIANCE CLAY PRODUCT CO., Alliance, Ohio. Filed Mar. 14, 1927.

ALLIANCE

Particular description of goods.—Face Brick, Common Brick, and Fireproofing Tile.
Claims use since 1922.

Ser. No. 245,694. (CLASS 39. CLOTHING.) COLONIAL LEATHER GOODS CO. INC., New York, N. Y. Filed Mar. 14, 1927.

BLACK BOTTOM

Particular description of goods.—Belts in the Nature of Garment Supporters.
Claims use since Mar. 3, 1927.

Ser. No. 245,717. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Mar. 14, 1927.

SCHOOL BAND

Particular description of goods.—Mouth Harmonicas.
Claims use since November, 1926.

Ser. No. 245,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINCOLN & BOSWORTH, Providence, R. I. Filed Mar. 14, 1927.

Cal-So-Gin

Particular description of goods.—Indigestion Powder.
Claims use since July 1, 1926.

Ser. No. 245,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE QUEEN CITY BOTTLING CO., Cincinnati, Ohio. Filed Mar. 14, 1927.

DuoPure

The word "Pure" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Vichy.
Claims use since Mar. 8, 1926.

Ser. No. 245,759. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) G. SOMMERS & COMPANY, St. Paul, Minn. Filed Mar. 14, 1927.

PARK SQUARE

Particular description of goods.—Baking Dishes, Boilers for Cooking Foods, Cake Pans, Coffee Percolators, Coffeepots, Colanders, Combination Cookers; Combination Poachers, Steamer, and Fry Pan; Combination Roasters, Convex Kettles, Convex Saucepans, Convex Sauce Pots, Cookers, Cooking Kettles, Covers, Dish Pans, Dish Driers, Double Boilers, Fry Pans, Kettles, Layer-Cake Pans, Lipped Fry Pans, Lipped Preserving Kettles, Lipped Saucepans, Lipped-Saucepan Sets, Lipped-Stewpan Set, Mixing Bowls, Mixing-Bowl Set, Pans, Percolators, Pie Plates, Pitchers, Preserving Kettles, Pudding Pans, Pudding-Pan Set, Roasters, Saucepans, Sauce Pots, Skillets, Sink Strainer, Steamer, Stewpans, Strainers, Strainer Kettles, Strainer Pans, Teakettles, Tubed Cake Pans, Washbasins, Water Pitchers, and Windsor Kettles, All Made of Aluminum.
Claims use since Feb. 18, 1927.

Ser. No. 245,766. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md. Filed Mar. 14, 1927.



No claim is made to the representation of a dish drainer per se. The mark consists in coloring blue the upper wire edges and the dish-retaining loops of the dish drainers. The drawing is lined for blue.
Particular description of goods.—Wire Kitchen Utensils—Namely, Dish Drainers.
Claims use since Mar. 1, 1927.

Ser. No. 245,768. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN F. WEST, Salem, Oreg. Filed Mar. 14, 1927.



No claim is made to the representation of the goods appearing on the drawing apart from the other features of the mark as shown thereon.
Particular description of goods.—Confection Consisting of a Delicious Blend of Prunes and Walnuts.
Claims use since Feb. 9, 1927.

Ser. No. 245,777. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Mar. 15, 1927.

PARAJACKS

Particular description of goods.—Hosiery.
Claims use since Sept. 15, 1916.

Ser. No. 245,780. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Mar. 15, 1927. Under 10-year proviso.

COLGATE

Particular description of goods.—Toilet, Laundry, and Household Soap; Soap Powder, Soap Chips, Soap Flakes, Soap Paste, Scouring Cleanser, Shaving Cream, Shaving Powder, and Shaving Soap in the Form of Sticks, Cones, and Tablets.
Claims use since 1858.

Ser. No. 245,790. (CLASS 5. ADHESIVES.) THE JYNX COMPANY, Alexandria, Va. Filed Mar. 15, 1927.

JYNX

Particular description of goods.—Tire-Puncture Antideflator Compound.
Claims use since Apr. 22, 1926.

Ser. No. 245,797. (CLASS 39. CLOTHING.) MCDERMOTT & SHORT, New York, N. Y. Filed Mar. 15, 1927.

Invincible

Particular description of goods.—Men's, Women's, Children's, and Infants' Hosiery.
Claims use since Feb. 15, 1927.

Ser. No. 245,808. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PHILADELPHIA MALT WAREHOUSING CORPORATION, Philadelphia, Pa. Filed Mar. 15, 1927.



Particular description of goods.—Malt Sirup.
Claims use since Mar. 7, 1924.

Ser. No. 245,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOCTORS' ESSENTIAL FOODS CO., INC., New York, N. Y. Filed Mar. 16, 1927.

Dee-Bee

Particular description of goods.—Bread.
Claims use since Oct. 1, 1926.

Ser. No. 245,854. (CLASS 38. PRINTS AND PUBLICATIONS.) MILLER-ROTH, INCORPORATED, Pittsburgh, Pa. Filed Mar. 16, 1927.

The DENTAL FORUM

Particular description of goods.—Monthly Publication Devoted to the Interests of Dentistry, Dental Hygiene, Dental Surgery, and Subjects Associated Therewith.
Claims use since Nov. 1, 1926.

Ser. No. 245,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TARRANT COMPANY, New York, N. Y. Filed Mar. 16, 1927. Under 10-year proviso.

APERITIVO DE SELTZER DE TARRANT

APERITIVO EFFERVESCENTE de SELTZER DE TARRANT,

Particular description of goods.—Laxative Medicines.
Claims use since 1877.

Ser. No. 245,888. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Mar. 17, 1927. Under section 5b of the act of 1905 as amended in 1920.

Brunswick

Particular description of goods.—Phonographs; Machines of the Record Type for Reproducing Sound Electrically and Parts Thereof; Supplies Therefor—Namely, Needles and Record Albums, and Sound Records.
Claims use since June 10, 1924, on phonographs and parts thereof and supplies therefor—namely, needles, record albums, and sound records, and on machines of the record type for reproducing sound electrically since Aug. 1, 1925.

Ser. No. 245,927. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SCHNURRER & MURRAY, New York, N. Y. Filed Mar. 17, 1927.

"RAYNUER"

"Raynuer."
Particular description of goods.—Ladies' Hand Bags.
Claims use since 1913.

Ser. No. 245,934. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 17, 1927.

COTE-REX

Particular description of goods.—Petroleum and Products of Petroleum With or Without Admixture of Other Materials for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust Preventing, Surface Preserving, and Tempering.
Claims use since Jan. 20, 1927.

Ser. No. 245,935. (CLASS 15. OILS AND GREASES.) PATRICK B. SULLIVAN, doing business as President Lubricating Oil Co., Devils Lake, N. Dak. Filed Mar. 17, 1927.

PRESIDENT LUBRICATING OIL CO.
HONEST VALUES

No claim is made herein to the words "President Lubricating Oil Co." and the words "Honest Values" apart from the mark shown.
Particular description of goods.—Lubricating Oils.
Claims use since Mar. 2, 1927.

Ser. No. 245,950. (CLASS 39. CLOTHING.) ADVANCE NECKWEAR CO., New York, N. Y. Filed Mar. 18, 1927.

PILOT BOW
Stay High Quality

No claim is made to the words "Bow" and "Quality" apart from the mark shown on the drawing.
Particular description of goods.—Cravats, Four-in-Hand Ties, Bow Ties, and Neckties.
Claims use since Jan. 3, 1927.

Ser. No. 246,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL SISSELMAN, doing business as The Regal Laboratories, Atlanta, Ga. Filed Mar. 18, 1927.

VIRATONE

Particular description of goods.—A Tonic for the Treatment of Nerves and General Debility.
Claims use since Mar. 1, 1923.

Ser. No. 246,041. (CLASS 31. FILTERS AND REFRIGERATORS.) MCDOUGALL COMPANY, Frankfort, Ind. Filed Mar. 19, 1927.

Domestic Science

Particular description of goods.—Refrigerators.
Claims use since August, 1928.

Ser. No. 246,107. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MILTON PIANO COMPANY, New York N. Y. Filed Mar. 21, 1927.

TOM THUMB

Particular description of goods.—Pianos.
Claims use since Feb. 23, 1927.

Ser. No. 246,135. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION SPECIAL MACHINE COMPANY, Chicago, Ill. Filed Mar. 21, 1927.

Picoetta

Particular description of goods.—Sewing Machines and Parts Thereof.
Claims use since on or about Feb. 15, 1927.

Ser. No. 246,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRISTABEL CUMMINGS, doing business as The China Lady, Philadelphia, Pa. Filed Mar. 22, 1927.

The China Lady

Particular description of goods.—Candy.
Claims use since Dec. 16, 1926.

Ser. No. 246,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Mar. 22, 1927.

PRODUCER

Particular description of goods.—Wheat Flour.
Claims use since Aug. 21, 1908.

Ser. No. 246,180. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Mar. 22, 1927.

CORAZON DE ORO

The words "Corazon De Oro" and the representation of a heart are lined to indicate yellow.
Particular description of goods.—Wheat Flour.
Claims use since Aug. 14, 1926.

Ser. No. 246,187. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WASHINGTON JEWELRY COMPANY, Boston, Mass. Filed Mar. 22, 1927.

Celestia

"Celestia."
Particular description of goods.—Telescopes.
Claims use since August, 1926.

Ser. No. 246,196. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ELIZABETH J. COLB, Lowell, Mass. Filed Mar. 23, 1927.

GRIME GETTER

Particular description of goods.—Cleaners and Polishers for Aluminum, Copper, Brass, Nickel, and Silver, and Cleaners for Enamel, Tile, and the Hands.
Claims use since Jan. 1, 1925.

Ser. No. 246,200. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLAND SOAP WORKS, Anniston, Ala. Filed Mar. 23, 1927.

Brighten-Up

Particular description of goods.—Soaps and Washing Powder.
Claims use since June 15, 1924.

Ser. No. 246,232. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SALT LAKE COCA-COLA BOTTLING CO., Salt Lake City, Utah. Filed Mar. 23, 1927.

ALTA CLUB

"Alta Club."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale—and Sirups and Extracts Used in Making the Same.
Claims use since Jan. 1, 1925.

Ser. No. 246,256. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WHISTLE BOTTLING CO., East Portchester, Conn. Filed Mar. 23, 1927.

CHESTER CLUB

"Chester Club."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal Maltless Beverages Sold as Soft Drinks.
Claims use since Sept. 1, 1925.

Ser. No. 246,275. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOUNDATION PRESS, INC., Cleveland, Ohio. Filed Mar. 24, 1927.

The MASTER LIBRARY

Particular description of goods.—Printed Books Published from Time to Time.
Claims use since January, 1924.

Ser. No. 246,281. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HENRY STADLMAIR CO., INC., New York, N. Y. Filed Mar. 24, 1927.

SOLOTONE

Particular description of goods.—Strings for Musical Instruments Such as Violins, Violas, Cellos, and Double Basses.
Claims use since Mar. 1, 1927.

Ser. No. 246,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JABURG BROTHERS, INC., New York, N. Y. Filed Mar. 24, 1927.

Pasteras

Particular description of goods.—Oleomargarine.
Claims use since May, 1907.

Ser. No. 246,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. MARTOCCIO COMPANY, Minneapolis, Minn. Filed Mar. 24, 1927.

ALEXANDER THE GREAT

Particular description of goods.—Candy Bars.
Claims use since on or about Aug. 1, 1926.

Ser. No. 246,314. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HARRY H. SNOVEL, doing business as Good Will Service System, Lima, Ohio. Filed Mar. 24, 1927.



No claim is made to the word "Service" except in the association shown. The drawing is lined for blue and yellow.
Particular description of goods.—Toy Horns, Kites, Whistles, Caps, Balloons, Squawkers, Bean Shooters, Flutes, Pan Rattles, Wood Clappers, Baseballs, Magnetic Tops, Fans, Squeaking Buns, Harmonicas, and Bang Guns.
Claims use since Dec. 17, 1926.

Ser. No. 246,325. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDRE CHETELAT CO., Baltimore, Md. Filed Mar. 25, 1927.

NURSERY

The trade-mark consists merely in the word "Nursery."
Particular description of goods.—Cocoa.
Claims use since Feb. 9, 1927.

Ser. No. 246,382. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE CINCINNATI AUTO SPECIALTY CO., Cincinnati, Ohio. Filed Mar. 25, 1927.

Tuxedo

Particular description of goods.—Fabric Door and Seat Covers for Automobiles.
Claims use since November, 1926.

Ser. No. 246,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY SIMPSON HOOKER, doing business as Hopkins Chemical Co., Chicago, Ill. Filed Mar. 25, 1927.



Particular description of goods.—Liniment.
Claims use since Feb. 19, 1927.

Ser. No. 246,353. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MATTHIESSEN & HEGELER ZINC COMPANY, La Salle, Ill. Filed Mar. 25, 1927.

MAHZINC

Particular description of goods.—Zinc Rods.
Claims use since Mar. 14, 1927.

Ser. No. 246,373. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WALDES KOH-I-NOOR, INC., Long Island City, N. Y. Filed Mar. 25, 1927.



Particular description of goods.—Shoe Snap Fasteners Not Made of Precious Metal and Shoe Slide Fasteners Not Made of Precious Metal.
Claims use since Apr. 1, 1926, applied to shoe snap fasteners, and since Mar. 7, 1927, to shoe slide fasteners.

Ser. No. 246,375. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Mar. 25, 1927.

The OIL-O-MATIC News

No claim is made to the words "The" and "News" apart from the mark shown.
Particular description of goods.—Bimonthly Publication.
Claims use since on or about Apr. 8, 1926.

Ser. No. 246,384. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE EDWIN BENNETT, doing business as E. W. Bennett & Co., San Francisco, Calif. Filed Mar. 26, 1927.

NICKSOL

Particular description of goods.—Metal Polishes.
Claims use since about Oct. 2, 1925.

Ser. No. 246,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAPPEL BROS., INC., Rockford, Ill. Filed Mar. 26, 1927.

KIT-E-RATION

"Kit-E-Ration." No claim is made to the word "Ration" apart from the hyphenated word "Kit-E-Ration."
Particular description of goods.—Prepared Food for Dogs, Cats, and Other Carnivorous Animals.
Claims use since Mar. 8, 1927.

Ser. No. 246,394. (CLASS 38. PRINTS AND PUBLICATIONS.) CONSTRUCTIVE PUBLISHING CORPORATION, New York, N. Y. Filed Mar. 26, 1927.

Brain Power

Particular description of goods.—Monthly Magazine.
Claims use since Sept. 23, 1921.

Ser. No. 246,401. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GOUDEY GUM CO., Boston, Mass. Filed Mar. 26, 1927.

GOLDENFRUIT

Particular description of goods.—Chewing Gum.
Claims use since Mar. 18, 1927.

Ser. No. 246,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. KELLY, Great Falls, Mont. Filed Mar. 26, 1927.

KELCO

Particular description of goods.—Rubefacient Lotion and Counterirritant.
Claims use since Jan. 1, 1926.

Ser. No. 246,468. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE DRAPER-MAYNARD COMPANY, Plymouth, N. H. Filed Mar. 28, 1927.

LUCKY DOG

Particular description of goods.—Golf Balls.
Claims use since July 15, 1926.

Ser. No. 246,469. (CLASS 38. PRINTS AND PUBLICATIONS.) DUGAN BROTHERS, INC., Brooklyn, N. Y. Filed Mar. 28, 1927.

Crumbs

Particular description of goods.—Monthly Periodical Magazine.
Claims use since Oct. 15, 1925.

Ser. No. 246,506. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ROTAWASHER CORPORATION, Cleveland, Ohio. Filed Mar. 28, 1927.

ROTAWASHER

Particular description of goods.—Machines for Washing Cars, Trucks, and Other Vehicles.
Claims use since Aug. 1, 1926.

Ser. No. 246,517. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) UNITED MALT COMPANY, Cincinnati, Ohio. Filed Mar. 28, 1927.

Canadian Club

Particular description of goods.—Malt Extracts and Sirups.
Claims use since Sept. 8, 1926.

Ser. No. 246,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILKES BARRE MAID CANDY COMPANY, INC., Wilkes-Barre, Pa. Filed Mar. 28, 1927.

BLACK BOTTOM

Particular description of goods.—Candy Bar Made of Charlotte Russe Chocolate Covered.
Claims use since January, 1926.

Ser. No. 246,544. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLAVOUR CANDY CO., Chicago, Ill. Filed Mar. 29, 1927.

CHICKEN BONES

Particular description of goods.—Candy.
Claims use since June, 1924.

Ser. No. 246,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRECKLE-OFF CO., Los Angeles, Calif. Filed Mar. 29, 1927.

FAIRWAY

Particular description of goods.—Cleansing and Massage Creams.
Claims use since Mar. 12, 1927.

Ser. No. 246,562. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y. Filed Mar. 29, 1927.

LOZENGE PRINTS

No registration is claimed in the word "Prints" except in association with the other features of the mark.
Particular description of goods.—Textile Fabrics—Namely, Silk, Artificial Silk, Wool, and Cotton and Combinations Thereof.
Claims use since Feb. 21, 1927.

Ser. No. 246,563. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PABST CORPORATION, Milwaukee, Wis. Filed Mar. 29, 1927.

"AA"

Particular description of goods.—Malt Sirup for Food and Beverage Purposes.
Claims use since Mar. 21, 1927.

Ser. No. 246,566. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 29, 1927.

PENIMAID

Particular description of goods.—Women's Sanitary Aprons, Sanitary Belts, and Step-Ins.
Claims use since Nov. 5, 1926.

Ser. No. 246,572. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROUBAIX PRODUCTS COMPANY, New York, N. Y. Filed Mar. 29, 1927.

DYTEX

Particular description of goods.—Dyes.
Claims use since Mar. 18, 1927.

Ser. No. 246,600. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORTLAND LINE CO. INC., Cortland, N. Y. Filed Mar. 30, 1927.

FAIR PLAY

The drawing consists of the words "Fair Play."
Particular description of goods.—Fishing Lines.
Claims use since Dec. 7, 1926.

Ser. No. 246,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORTER S. GRAY, Dougherty, Calif. Filed Mar. 30, 1927.

GRAY ACRES

Particular description of goods.—Fresh Grapes.
Claims use since 1919.

Ser. No. 246,621. (CLASS 38. PRINTS AND PUBLICATIONS.) HOMER S. PACE, New York, N. Y. Filed Mar. 30, 1927.

The American Accountant

"The American Accountant."
Particular description of goods.—Monthly Magazine.
Claims use since Feb. 17, 1927.

Ser. No. 246,630. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RAUCH & GAINOR, Baltimore, Md. Filed Mar. 30, 1927.

IDEAL

Particular description of goods.—Shade Cloth.
Claims use since Jan. 2, 1921.

Ser. No. 246,639. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE SEARS & DEER COMPANY, Chillicothe, Ohio, and Boonville, Ind. Filed Mar. 30, 1927.

"SUGAR LOAF"

"Sugar Loaf."
Particular description of goods.—Nonalcoholic Maltless Beverages and Flavoring Materials for Making the Same.
Claims use since Mar. 23, 1927.

Ser. No. 246,640. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE SEARS & DEER COMPANY, Chillicothe, Ohio. Filed Mar. 30, 1927.

TOFFY-TIFF

"Toffy-Tiff."
Particular description of goods.—Nonalcoholic, Maltless Beverages.
Claims use since Mar. 28, 1927.

Ser. No. 246,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. J. BAUGHMAN, Sr., Greensburg, Pa. Filed Mar. 31, 1927.

I-V-D

Particular description of goods.—Insect and Vermin Destroyer.
Claims use since Jan. 1, 1927.

Ser. No. 246,679. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Mar. 31, 1927.

QUEEN

Particular description of goods.—Artificial Baits.
Claims use since about Sept. 1, 1926.

Ser. No. 246,682. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOLLANDER BROS. DRUG CO., Braddock, Pa. Filed Mar. 31, 1927.

Fem-ergo

Particular description of goods.—Medicinal Preparation Used for the Treatment of Female Disorders.
Claims use since Jan. 11, 1926.

Ser. No. 246,684. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) I-SIS LABORATORIES, INC., New York, N. Y. Filed Mar. 31, 1927.

ILCO

Particular description of goods.—Cleaning and Polishing Preparation for Automobiles, Furniture, Woodwork, Enameled Surfaces, and the Like.
Claims use since Jan. 4, 1927.

Ser. No. 246,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAL-PHENINE LABORATORIES INC., Dayton, Ohio. Filed Mar. 31, 1927.

SALFAYNE

Particular description of goods.—Medicine for the Relief of Pain.
Claims use since Jan. 15, 1927.

Ser. No. 246,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARVEY B. SAUNDERS, doing business as Mex Company, Chicago, Ill. Filed Mar. 31, 1927.

MEX

Particular description of goods.—Hairdressing.
Claims use since Nov. 15, 1926.

Ser. No. 246,716. (CLASS 38. PRINTS AND PUBLICATIONS.) STANCO DISTRIBUTORS, INC., New York, N. Y. Filed Mar. 31, 1927.

FLIT Buzz

Particular description of goods.—House Organ.
Claims use since Jan. 15, 1927.

Ser. No. 246,722. (CLASS 38. PRINTS AND PUBLICATIONS.) TEXTILE PUBLISHING COMPANY, New York, N. Y. Filed Mar. 31, 1927.

Toilet Goods Economist

Particular description of goods.—Monthly Magazine.
Claims use since Jan. 24, 1925.

Ser. No. 246,731. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BEN-BURK, INC., Boston, Mass. Filed Apr. 1, 1927.

Kronprinz

"Kronprinz."
Particular description of goods.—Malt Sirup.
Claims use since Feb. 18, 1927.

Ser. No. 246,732. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BEN-BURK, INC., Boston, Mass. Filed Apr. 1, 1927.

Dutch Maid

"Dutch Maid."
Particular description of goods.—Malt Sirup.
Claims use since Feb. 18, 1927.

Ser. No. 246,735. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BEN-BURK, INC., Boston, Mass. Filed Apr. 1, 1927.

German-Maid

"German Maid."
Particular description of goods.—Malt Sirup.
Claims use since Feb. 18, 1927.

Ser. No. 246,785. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TIDDYWOODS TOY COMPANY, Indianapolis, Ind. Filed Apr. 1, 1927.



The word "Gun" is disclaimed apart from the mark shown.
Particular description of goods.—Toy Guns.
Claims use since Mar. 10, 1927.

Ser. No. 246,793. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHEAT FRUIT CEREAL COMPANY, West Orange, N. J. Filed Apr. 1, 1927.



No claim is made to the exclusive right to use the words "Wheatfruit" or "Loaf" or "The Bread of Breads." No claim is made to the exclusive use of the representation of a loaf of bread, except in the combination shown.
Particular description of goods.—Bread.
Claims use since Mar. 20, 1927.

Ser. No. 246,799. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN THOMAS WOOD, New York, N. Y. Filed Apr. 1, 1927.

THE UNDERWORLD

"The Underworld."
Particular description of goods.—Monthly Magazine.
Claims use since on or about Mar. 18, 1927.

Ser. No. 246,802. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICA PRESS, New York, N. Y. Filed Apr. 2, 1927.

THOUGHT

Particular description of goods.—Publication Issued Quarterly Devoted to the Sciences and Letters.
Claims use since June 1, 1926.

Ser. No. 246,804. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICA PRESS, New York, N. Y. Filed Apr. 2, 1927.

The Catholic Mind

Particular description of goods.—Publication Issued Monthly (Constituting a Selection of Papers of Permanent Value on Questions of the Day Collected From the Best Catholic Periodicals.)
Claims use since Jan. 8, 1903.

Ser. No. 246,840. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MARINE JOURNAL CO., New York, N. Y. Filed Apr. 2, 1927.

The MARINE JOURNAL

"The Marine Journal."
Particular description of goods.—Weekly Publication.
Claims use since 1878.

Ser. No. 246,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS P. PERDUE, doing business as Hillcrest Drug Company, Sarasota, Fla. Filed Apr. 2, 1927.

SKEET-IT

Particular description of goods.—Insecticide.
Claims use since Mar. 1, 1926.

Ser. No. 246,851. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SEARS, ROEBUCK AND CO., doing business as Clinton Cartridge Company, Chicago, Ill. Filed Apr. 2, 1927.

Mallard

Particular description of goods.—Shotgun Shells.
Claims use since 1910.

Ser. No. 246,852. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SEARS, ROEBUCK AND CO., doing business as Clinton Cartridge Company, Chicago, Ill. Filed Apr. 2, 1927.

POINTER

Particular description of goods.—Shotgun Shells.
Claims use since 1906.

Ser. No. 246,859. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TROY RECORD COMPANY, Troy, N. Y. Filed Apr. 2, 1927.

PULSE OF THE PEOPLE

"Pulse of the People."
Particular description of goods.—Series of Newspaper Articles (Appearing in the Troy Record).
Claims use since Jan. 2, 1904.

Ser. No. 246,860. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TROY RECORD COMPANY, Troy, N. Y. Filed Apr. 2, 1927.

THE TROY RECORD

"The Troy Record."
Particular description of goods.—Daily Newspaper.
Claims use since Apr. 4, 1896.

Ser. No. 246,880. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN TRADE PUBLISHING CO., New York, N. Y. Filed Apr. 4, 1927.

The CRACKER BAKER

"The Cracker Baker."
Particular description of goods.—Monthly Magazine.
Claims use since January, 1912.

Ser. No. 246,930. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PRAIRIE FARMER PUB. CO., Chicago, Ill. Filed Apr. 4, 1927.

The Baby Chick

"The Baby Chick."
Particular description of goods.—Periodical.
Claims use since on or about Jan. 31, 1927.

Ser. No. 246,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ACHESON HARDEN CO., New York, N. Y. Filed Apr. 6, 1927.

Sportboy

"Sportboy."
Particular description of goods.—Handkerchiefs.
Claims use since Mar. 14, 1927.

Ser. No. 247,001. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO. INC., New York, N. Y. Filed Apr. 6, 1927.

GLITERGLO

Particular description of goods.—Rayon Fabric in the Piece.
Claims use since Dec. 9, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 10, 1927.

227,474. MACAROONS. GLEN-LOGAN CORPORATION, Philadelphia, Pa.
Filed September 17, 1926. Serial No. 237,364. PUBLISHED FEBRUARY 22, 1927.

227,475. DRAFT REGULATOR. HORACE W. HEYMAN, New York, N. Y.
Filed September 18, 1926. Serial No. 237,413. PUBLISHED MARCH 1, 1927.

227,476. CANNED FRUIT AND VEGETABLES. FENNVILLE CANNING CO., Fennville, Mich.
Filed October 9, 1926. Serial No. 238,367. PUBLISHED FEBRUARY 22, 1927.

227,477. FOOD-FLAVORING EXTRACTS. ARTHUR FRANK STOCKWELL, Worcester, Mass.
Filed October 25, 1926. Serial No. 239,205. PUBLISHED FEBRUARY 22, 1927.

227,478. DENTAL KIT COMPRISING A CARTON CONTAINING A TOOTHBRUSH, TOOTH-CLEANING COMPOUND, DENTAL FLOSS, AND A MOUTH MIRROR. RUSSELL H. BROWN, Kingston, Pa.
Filed October 28, 1926. Serial No. 239,352. PUBLISHED FEBRUARY 22, 1927.

227,479. EVAPORATED MILK IN HERMETICALLY-SEALED CANS OR OTHER HERMETICALLY-SEALED CONTAINERS. THE MARICOPA CREAMERY CO., Phoenix, Ariz.
Filed November 18, 1926. Serial No. 240,271. PUBLISHED JANUARY 25, 1927.

227,480. PRESERVED CHINESE GINGER. ARTHUR N. WALKER, doing business as W. R. Loxley & Co., New York, N. Y.
Filed November 22, 1926. Serial No. 240,464. PUBLISHED FEBRUARY 8, 1927.

227,481. HOUSE PAINTS—NAMELY, READY-MIXED PAINTS. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed November 24, 1926. Serial No. 240,554. PUBLISHED FEBRUARY 15, 1927.

227,482. IRON PAINT, ROOFING PAINT, PAINT THINNER, STACK PAINT, PIPE PAINT, AND PAINT FOR INDUSTRIAL USE FOR COVERING METALLIC SURFACES. THE IRONSIDES COMPANY, Columbus, Ohio.
Filed November 27, 1926. Serial No. 240,660. PUBLISHED FEBRUARY 22, 1927.

227,483. SANITARY BELTS.. CORA E. LANG, Niagara Falls, N. Y.
Filed November 30, 1926. Serial No. 240,785. PUBLISHED FEBRUARY 22, 1927.

227,484. PREPARATION OF MALT, MILK, SUGAR, AND COCOA FOR MAKING A HOT OR COLD BEVERAGE. MERCKENS CHOCOLATE CO., INC., Buffalo, N. Y.
Filed December 4, 1926. Serial No. 240,989. PUBLISHED FEBRUARY 22, 1927.

227,485. AUTOMOBILE POLISH. JOSEPH W. GATES, Los Angeles, Calif.
Filed December 6, 1926. Serial No. 241,049. PUBLISHED FEBRUARY 22, 1927.

227,486. FERTILIZER OR PLANT FOOD CONSISTING OF PARTIALLY-DECAYED LEAVES. WALTER E. LANE, doing business as Belmont Gardens, Belmont, Mass., and East Kingston, N. H.
Filed December 6, 1926. Serial No. 241,059. PUBLISHED MARCH 1, 1927.

227,487. MASSAGE VIBRATORS. JOHN TRIDEMAN, ASHTON A. MARSHALL & HARVEY W. KAYE, New York, N. Y.
Filed December 10, 1926. Serial No. 241,305. PUBLISHED FEBRUARY 22, 1927.

227,488. HEATERS FOR AUTOMOBILES, BOATS, AND THE LIKE TO BE CONNECTED IN THE EXHAUST LINE FROM AN ENGINE. AMERICAN METAL PRODUCTS CO., Detroit, Mich.
Filed December 15, 1926. Serial No. 241,512. PUBLISHED FEBRUARY 8, 1927.

227,489. READY-MIXED PAINTS, PAINT ENAMELS, VARNISH (EITHER CLEAR OR COLORED). OTTO FITZPATRICK, Warsaw, Ind.
Filed December 17, 1926. Serial No. 241,610. PUBLISHED FEBRUARY 22, 1927.

227,490. PLANT FOOD. THE NITRAGIN COMPANY, INC., Milwaukee, Wis.
Filed December 22, 1926. Serial No. 241,822. PUBLISHED MARCH 1, 1927.

227,491. PREPARATION IN POWDERED FORM COMPOSED OF CHILI PEPPER AND OTHER INGREDIENTS FOR USE IN MAKING MEXICAN DISHES, SUCH AS CHILE CON CARNE, AND FOR SEASONING MEATS, VEGETABLES, AND OTHER FOODS. WALKER PROPERTIES ASSOCIATION, Austin, Tex.
Filed December 29, 1926. Serial No. 242,161. PUBLISHED FEBRUARY 22, 1927.

227,492. SHOE NAILS. CHARLES F. BAKER & CO. INC., Boston, Mass.
Filed December 30, 1926. Serial No. 242,165. PUBLISHED MARCH 1, 1927.

227,493. DEVICES ACTUATED AUTOMATICALLY BY THE GEAR OF VEHICLES TO INDICATE THE ROUTE TO BE TAKEN AND TO DISPLAY ADVERTISEMENTS IN SUCCESSION. THE PERIOMETER CO. INC., Long Island City, N. Y.
Filed November 17, 1926. Serial No. 240,212. PUBLISHED MARCH 1, 1927.

227,494. HAND SEWING NEEDLES. LEO LAMMERTZ, Aix-la-Chapelle, Germany.
Filed November 29, 1926. Serial No. 240,727. PUBLISHED MARCH 1, 1927.

227,495. STOCKINGS. JULIUS KAYSER & CO., New York, N. Y.
Filed December 1, 1926. Serial No. 240,820. PUBLISHED FEBRUARY 22, 1927.

227,496. SAILOR SUITS, LUMBER JACKETS, CHILDREN'S DRESSES, SWEATERS, LEATHER COATS, LADIES' KNICKERS, PANTS, AND SPORT COATS. EXCELSIOR WASH SUIT CO., INC., Brooklyn, N. Y.
Filed December 2, 1926. Serial No. 240,854. PUBLISHED FEBRUARY 22, 1927.

227,497. WOOLEN PIECE GOODS. EVERETT NORFOLK COMPANY, Lebanon, N. H.
Filed December 3, 1926. Serial No. 240,906. PUBLISHED MARCH 1, 1927.

227,498. CHEWING GUM. THE AMERICAN YEAST GUM COMPANY, Cleveland, Ohio.
Filed December 4, 1926. Serial No. 240,940. PUBLISHED MARCH 1, 1927.

227,499. PRINTED AND TYPED MAGAZINE ARTICLES AND OTHER WRITINGS. WOODWARD HOLMES, Chicago, Ill.
Filed December 6, 1926. Serial No. 241,053. PUBLISHED MARCH 1, 1927.

227,500. LEATHER OR CLOTH TOP SHOES AND PUMPS. THE MENIHAN COMPANY, Rochester, N. Y.
Filed December 6, 1926. Serial No. 241,061. PUBLISHED MARCH 1, 1927.

227,501. SHOES OF LEATHER, COMBINED LEATHER AND FABRIC, AND LEATHER AND RUBBER. CRADDOCK-TERRY CO., Lynchburg, Va.
Filed December 8, 1926. Serial No. 241,136. PUBLISHED FEBRUARY 22, 1927.

227,502. CLEANING AND POLISHING COMPOUND FOR FURNITURE, ALL INTERIOR WOODWORK, AND LINOLEUM. KATHRYN M. DE BENEDICTIS, doing business as Bendo Manufacturing Co., San Jose, Calif.
Filed December 9, 1926. Serial No. 241,203. PUBLISHED MARCH 1, 1927.

227,503. PUBLICATION APPEARING OCCASIONALLY DURING THE YEAR, BUT ALWAYS APPEARING ANNUALLY. ERWIN ENNIS, doing business as Build a Home First Bureau, Newark, N. J.
Filed December 9, 1926. Serial No. 241,205. PUBLISHED MARCH 1, 1927.

227,504. DIESINKING AND METAL-WORKING PRESS MACHINERY—NAMELY, INTAGLIO AND EMBOSSING IMPLEMENTS, DIE CUTTERS, METAL FORMERS AND DIE PRESSES FOR MEDALS, MEDALLIONS, ETC.; FLUTED CUTTING TOOLS—NAMELY, BURRS, REAMERS, COUNTERSINKS, ETC. JOHN HENRI RIPSTRA, Chicago, Ill.
Filed December 9, 1926. Serial No. 241,242. PUBLISHED MARCH 1, 1927.

227,505. LEATHER SLIPPERS. ERNEST BANDLER, New York, N. Y.
Filed December 11, 1926. Serial No. 241,312. PUBLISHED MARCH 1, 1927.

227,506. BANK COUPONS. BANK CREDITS TITLE COMPANY, Los Angeles, Calif.
Filed December 11, 1926. Serial No. 241,313. PUBLISHED MARCH 1, 1927.

227,507. MOVING-PICTURE FILMS. THE BRAY PRODUCTIONS, INC., New York, N. Y.
Filed December 11, 1926. Serial No. 241,315. PUBLISHED MARCH 1, 1927.

227,508. WALL FELT. MALM BROS. & CO., Lindsborg, Kans.
Filed December 11, 1926. Serial No. 241,344. PUBLISHED MARCH 1, 1927.

227,509. HAIR BANDS MADE OF CELLULOID OR LIKE MATERIAL. LUDWIG SKARUDA, Riverside, Ill.
Filed December 13, 1926. Serial No. 241,446. PUBLISHED MARCH 1, 1927.

227,510. CHROME LEATHER. DOERR & REINHART, Worms, Germany.
Filed December 14, 1926. Serial No. 241,474. PUBLISHED FEBRUARY 22, 1927.

227,511. LUMBER. THE HELLER BROS. CO., Youngstown, Ohio.
Filed December 14, 1926. Serial No. 241,482. PUBLISHED MARCH 1, 1927.

227,512. CANNED CAVIAR. MEYER & LANGE, INC., New York, N. Y.
Filed December 1, 1926. Serial No. 240,825. PUBLISHED MARCH 1, 1927.

227,513. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS OF THESE MATERIALS. RICE AND HUTCHINS, INCORPORATED, Boston, Mass.
Filed December 29, 1926. Serial No. 242,144. PUBLISHED FEBRUARY 22, 1927.

227,514. BOOTS FOR THE REPAIR OF TIRES. F. J. HAGERLING, St. Louis, Mo.
Filed December 24, 1926. Serial No. 241,943. PUBLISHED MARCH 1, 1927.

227,515. WEARING APPAREL FOR WOMEN, MISSES, JUNIORS, AND CHILDREN—NAMELY, DRESSES, FROCKS, SUITS, AND COATS FOR STREET, SPORT, AND DRESS WEAR. CARAFIOL-SILVERMAN GARMENT CO., St. Louis, Mo.
Filed December 24, 1926. Serial No. 241,924. PUBLISHED FEBRUARY 22, 1927.

227,516. METAL POLISH. F. J. HAGERLING, St. Louis, Mo.
Filed December 24, 1926. Serial No. 241,944. PUBLISHED MARCH 1, 1927.

227,517. SUITS FOR MEN. KELLER-HEUMANN-THOMPSON CO. INC., Rochester, N. Y.
Filed December 24, 1926. Serial No. 241,945. PUBLISHED FEBRUARY 22, 1927.

227,518. TOILET PREPARATION USED IN DRESSING THE HAIR. YVETTE CO., New York, N. Y.
Filed December 24, 1926. Serial No. 241,976. PUBLISHED MARCH 1, 1927.

227,519. METALLIC BELLOWS FOR TEMPERATURE AND PRESSURE CONTROLLED APPARATUS, PUMPS, AND LIQUID AND GAS TIGHT SEALS FOR PUMPS AND SIMILAR APPARATUS. CLIFFORD MANUFACTURING CO., Boston and South Boston, Mass
Filed December 27, 1926. Serial No. 241,987. PUBLISHED MARCH 1, 1927.

227,520. REFRACTORY CEMENT. HEAT SEALING KANT-BURN COMPANY, Chicago, Ill.
Filed December 27, 1926. Serial No. 242,002. PUBLISHED MARCH 1, 1927.

227,521. REFRACTORY CEMENT. HEAT SEALING KANT-BURN COMPANY, Chicago, Ill.
Filed December 27, 1926. Serial No. 242,003. PUBLISHED MARCH 1, 1927.

227,522. MEN'S AND BOYS' OUTER CLOTHING—NAMELY, SUITS AND OVERCOATS. CHAS. KAUFMAN & BROS., INC., Chicago, Ill.
Filed December 27, 1926. Serial No. 242,008. PUBLISHED FEBRUARY 22, 1927.

227,523. BOOK AND PRINTING PAPER. THE PERKINS GOODWIN COMPANY, New York, N. Y.
Filed December 27, 1926. Serial No. 242,021. PUBLISHED MARCH 1, 1927.

227,524. HOSIERY. IPSWICH MILLS, Boston, Mass.
Filed December 28, 1926. Serial No. 242,060. PUBLISHED FEBRUARY 22, 1927.

227,525. CANNED MUSHROOMS. EDWARD H. JACOB, doing business as E. H. Jacob, Green Hill Mushroom Farms and Oakbourne Mushroom Farms, West Chester, Pa.
Filed December 29, 1926. Serial No. 242,131. PUBLISHED MARCH 1, 1927.

227,526. BATHING SUITS. NIAGARA KNITTING CO., INC., New York, N. Y.
Filed December 30, 1926. Serial No. 242,204. PUBLISHED MARCH 1, 1927.

227,527. HOSIERY. PECK & PECK, New York, N. Y.
Filed December 31, 1926. Serial No. 242,251. PUBLISHED MARCH 1, 1927.

227,528. BOILER COMPOUND. THE PEROLIN COMPANY OF AMERICA, Chicago, Ill.
Filed December 31, 1926. Serial No. 242,253. PUBLISHED MARCH 1, 1927.

227,529. CHILDREN'S DRESSES, ROMPERS, AND BOYS' SUITS. WILSON-COLLIER CO. INC., Boston, Mass.
Filed December 31, 1926. Serial No. 242,264. PUBLISHED MARCH 1, 1927.

227,530. MECHANICAL CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed January 3, 1927. Serial No. 242,274. PUBLISHED MARCH 1, 1927.

227,531. MEDICINE FOR FEMALE DISEASES. THE CHATTANOOGA MEDICINE COMPANY, Chattanooga, Tenn.
Filed January 3, 1927. Serial No. 242,279. PUBLISHED MARCH 1, 1927.

227,532. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed January 4, 1927. Serial No. 242,340. PUBLISHED MARCH 1, 1927.

227,533. MONTHLY PUBLICATION. UNITED ENGINEERING & FOUNDRY COMPANY, Pittsburgh, Pa.
Filed September 8, 1926. Serial No. 237,004. PUBLISHED MARCH 1, 1927.

227,534. CANNED FISH—NAMELY, SALMON. SEBASTIAN STUART FISH CO., Seattle, Wash.
Filed September 13, 1926. Serial No. 237,196. PUBLISHED MARCH 1, 1927.

227,535. NEWSPAPER COLUMN WHICH APPEARS FROM TIME TO TIME. LOS ANGELES EXAMINER, Los Angeles, Calif.
Filed September 23, 1926. Serial No. 237,606. PUBLISHED MARCH 1, 1927.

227,536. NEWSPAPER COLUMN WHICH APPEARS FROM TIME TO TIME. LOS ANGELES EXAMINER, Los Angeles, Calif.
Filed September 23, 1926. Serial No. 237,609. PUBLISHED MARCH 1, 1927.

227,537. READY-MIXED PAINT AND PAINT ENAMEL. CAPITOL PAINT & VARNISH WORKS, INC., Brooklyn, N. Y.
Filed October 2, 1926. Serial No. 238,045. PUBLISHED MARCH 1, 1927.

227,538. SEWING MACHINES. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio.
Filed October 9, 1926. Serial No. 238,416. PUBLISHED JANUARY 18, 1927.

227,539. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS SOFT DRINK AND SIRUP FOR MAKING THE SAME. KEEN KOLA MANUFACTURING COMPANY, Dallas, Tex.
Filed October 12, 1926. Serial No. 238,504. PUBLISHED MARCH 1, 1927.

227,540. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. KEEN KOLA MANUFACTURING COMPANY, Dallas, Tex.
Filed October 12, 1926. Serial No. 238,505. PUBLISHED MARCH 1, 1927.

227,541. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS SOFT DRINK AND SIRUP FOR MAKING THE SAME. KEEN KOLA MANUFACTURING COMPANY, Dallas, Tex.
Filed October 12, 1926. Serial No. 238,506. PUBLISHED MARCH 1, 1927.

227,542. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS MEDICINAL MINERAL WATER. THE ACEDA COMPANY, San Francisco, Calif.
Filed October 14, 1926. Serial No. 238,563. PUBLISHED MARCH 1, 1927.

227,543. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed October 14, 1926. Serial No. 238,564. PUBLISHED MARCH 1, 1927.

227,544. CANNED VEGETABLES. R. C. WILLIAMS & CO. INC., New York, N. Y.
Filed October 14, 1926. Serial No. 238,631. PUBLISHED MARCH 1, 1927.

227,545. CANNED PUMPKIN, CANNED STRING BEANS, CANNED HOMINY, CANNED KRAUT, CANNED CUT WAX BEANS, CANNED TOMATOES, CANNED APRICOTS, CANNED PEACHES, CANNED CORN, CANNED PEAS, AND CANNED PINEAPPLE. RASEN WHOLESALE GROCER CO., Fairbury, Nebr.
Filed October 16, 1926. Serial No. 238,742. PUBLISHED MARCH 1, 1927.

227,546. COFFEE. THE LIMOGES CHINA COMPANY, Sebring, Ohio.
Filed November 26, 1926. Serial No. 240,611. PUBLISHED JANUARY 4, 1927.

227,547. CIGARS. ESTATE OF AUGUSTUS POLLACK, INC., Wheeling, W. Va.
Filed December 15, 1926. Serial No. 241,524. PUBLISHED MARCH 1, 1927.

227,548. HAIR TONIC. JOSEPH LATIN, doing business as Latin Manufacturing Co., Baltimore, Md.
Filed December 15, 1926. Serial No. 241,583. PUBLISHED MARCH 1, 1927.

227,549. TISSUE PAPER GENERALLY, BUT MORE PARTICULARLY THOSE ADAPTED TO BE MADE INTO CARBON PAPER, STEREOTYPING TISSUES, AND COPYING TISSUES. BRITTAINS, LIMITED, Cheddleton, near Leek, England.
Filed December 16, 1926. Serial No. 241,560. PUBLISHED MARCH 1, 1927.

227,550. MEDICINE FOR DISEASES OF THE NERVOUS SYSTEM. SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa.
Filed December 16, 1926. Serial No. 241,587. PUBLISHED MARCH 1, 1927.

227,551. CEMENT FOR ROOFS AND ANALOGOUS USES. THE ARCO COMPANY, Cleveland, Ohio.
Filed December 17, 1926. Serial No. 241,598. PUBLISHED FEBRUARY 22, 1927.

227,552. FLAT BELT LEATHER AND HYDRAULIC LEATHER. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed December 18, 1926. Serial No. 241,671. PUBLISHED FEBRUARY 22, 1927.

227,553. LUG STRAPS, LOOM STRAPS, HARNESS STRAPS, PICKER STRAPS, CHECK STRAPS, DOBBY STRAPS, AND BEATER STRAPS FOR USE ON TEXTILE MACHINERY. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed December 18, 1926. Serial No. 241,674. PUBLISHED MARCH 1, 1927.

227,554. WHOLE SOLES, HALF SOLES, AND HAND LEATHERS USED IN HANDLING ROUGH MATERIALS. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed December 18, 1926. Serial No. 241,675. PUBLISHED MARCH 1, 1927.

227,555. INDIGESTION CURE. ROBERT W. BROWN, Norfolk, Va.
Filed December 20, 1926. Serial No. 241,692. PUBLISHED MARCH 1, 1927.

227,556. DEODORANT SPRAY. ELSINORE PERFUME COMPANY, Brooklyn, N. Y.
Filed December 20, 1926. Serial No. 241,708. PUBLISHED MARCH 1, 1927.

227,557. HOSIERY. CLIMAX HOSIERY MILLS, Athens, Ga.
Filed December 21, 1926. Serial No. 241,769. PUBLISHED FEBRUARY 15, 1927.

227,558. HOSIERY FOR MEN, WOMEN, AND CHILDREN. THOMAS E. YOUNG, doing business as Gold Seal Silk Company, Dallas, Tex.
Filed December 21, 1926. Serial No. 241,801. PUBLISHED FEBRUARY 22, 1927.

227,559. PORTABLE HAND FIRE-EXTINGUISHING APPARATUS. DIRECT SELLING COMPANY, OF AMERICA, Chicago, Ill.
Filed December 22, 1926. Serial No. 241,812. PUBLISHED MARCH 1, 1927.

227,560. PERFUMERY, SKIN CREAM, TOOTH PASTE, HAIR WASH, BRILLIANTINE, POMADE, ROUGE, LIQUID CUTICLE REMOVER, NAIL POWDER, NAIL POLISH, NAIL WHITENING, AND COLD CREAM FOR USE AFTER SHAVING. DR. M. ALBERSHEIM, Frankfort-on-the-Main, Germany.
Filed December 23, 1926. Serial No. 241,852. PUBLISHED MARCH 1, 1927.

227,561. PILE AND ERYSIPELAS RELIEF. JAMES T. COLLINS, South Bend, Ind.
Filed December 23, 1926. Serial No. 241,870. PUBLISHED MARCH 1, 1927.

227,562. CANDY. PENSACOLA CANDY CO., Pensacola, Fla.
Filed December 23, 1926. Serial No. 241,900. PUBLISHED MARCH 1, 1927.

227,563. ARTIFICIAL FISHING BAIT. SOUTH BEND BAIT CO., South Bend, Ind.
Filed December 23, 1926. Serial No. 241,908. PUBLISHED MARCH 1, 1927.

227,564. CHEMICAL COMPOUND IN SOLID FORM, USED AS A DISINFECTANT, CLEANSING AGENT, AND DETERGENT. GEORGE V. GROSS, doing business as G. V. Gross Company, New York, N. Y.
Filed December 24, 1926. Serial No. 241,942. PUBLISHED MARCH 1, 1927.

227,565. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS SOFT DRINK. JULIAN F. BLOODWORTH, doing business as Sherro Company, Lewiston, Ga.
Filed October 18, 1926. Serial No. 238,769. PUBLISHED MARCH 1, 1927.

227,566. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, SKIN LOTIONS, PERFUMES, HAIR TONICS, HAIR OILS, TOOTH PASTE, DENTIFRICES, DEODORIZING PREPARATIONS, SHAMPOOS, TALCUM POWDERS, FOOT POWDERS, SACHETS, SMELLING SALTS, BATH SALTS, AND INCENSES. ANNA MARY BLAKE, doing business as Healoderm Laboratories, Fayetteville, N. C.
Filed October 19, 1926. Serial No. 238,837. PUBLISHED MARCH 1, 1927.

227,567. CANNED CORN, CANNED PEAS, CANNED RED KIDNEY BEANS, CANNED PORK AND BEANS; CANNED AND DRIED FRUITS—NAMELY, RAISINS. INDERRIEDEN CANNING CO., Chicago, Ill.
Filed October 20, 1926. Serial No. 238,906. PUBLISHED MARCH 1, 1927.

227,568. WOMEN'S DRESSES AND GOWNS. BAR, INC., New York, N. Y.
Filed October 21, 1926. Serial No. 238,948. PUBLISHED FEBRUARY 22, 1927.

227,569. MOTHPROOF WARDROBES, CABINETS, AND CHESTS. J. F. FRIEDEL PAPER BOX CO., Syracuse, N. Y.
Filed October 21, 1926. Serial No. 238,961. PUBLISHED MARCH 1, 1927.

227,570. CALKING COMPOUND. JAMES S. MCGILL, doing business as The Pittsburgh Caulking Company, Pittsburgh, Pa.
Filed October 21, 1926. Serial No. 238,984. PUBLISHED FEBRUARY 22, 1927.

227,571. COAL. THE CARBON FUEL COMPANY, Cincinnati, Ohio.
Filed October 23, 1926. Serial No. 239,089. PUBLISHED MARCH 1, 1927.

227,572. CEREAL MALT BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT ALCOHOL, BY VOLUME. BERGHOFF PRODUCTS CO., Fort Wayne, Ind.
Filed September 17, 1926. Serial No. 237,354. PUBLISHED NOVEMBER 16, 1926.

227,573. VARNISHES AND PAINT ENAMELS. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa.
Filed April 15, 1925. Serial No. 212,767. PUBLISHED FEBRUARY 22, 1927.

227,574. BOARDS FOR HEAT-INSULATING PURPOSES, CORK BEING THE PREDOMINATING MATERIAL OF SAID BOARDS. STANDARD CORK INSULATION COMPANY LIMITED, now by change of name Standard Cork Company Limited, London, England.
Filed April 24, 1925. Serial No. 213,264. PUBLISHED MARCH 1, 1927.

227,575. MALT SIRUP FOR FOOD PURPOSES. E. CLEMENS HORST CO., San Francisco, Calif.
Filed June 10, 1925. Serial No. 215,570. PUBLISHED FEBRUARY 22, 1927.

227,576. FRESH CITROUS AND DECIDUOUS FRUITS, MELONS, LETTUCE, TOMATOES, CUCUMBERS, EGGPLANT, PEAS, BELL PEPPERS, GRAPES, AND CAULIFLOWER. YAQUI FRUIT CO., Los Angeles, Calif., and Sonora, Mexico.
Filed July 9, 1925. Serial No. 217,127. PUBLISHED MARCH 1, 1927.

227,577. PERFUMERY, INCENSE, ROUGE, AND LIP STICKS. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany.
Filed July 20, 1925. Serial No. 217,640. PUBLISHED SEPTEMBER 7, 1926.

227,578. TOILET CREAMS, TOILET POWDERS, SHAMPOOS, PREPARATIONS FOR THE HAIR, LOTIONS FOR THE SKIN, DEPILATORY PREPARATIONS, ROUGE PREPARATIONS, DENTIFRICE, PERFUMES, AND TOILET WATERS. GEORGE M. DOMENICE, New York, N. Y.
Filed August 5, 1925. Serial No. 218,395. PUBLISHED MARCH 1, 1927.

227,579. TIRE-PRESERVATIVE COATINGS, AUTOMOBILE BODY AND FURNITURE POLISH. CENTRAL LABORATORIES CO., Wheeling, W. Va.
Filed August 10, 1925. Serial No. 218,612. PUBLISHED MARCH 1, 1927.

227,580. BANK SUPPLIES, SPECIFICALLY FOR PASS BOOKS, CHECK BOOKS, COIN ENVELOPES, AND BLANK FORMS OF ALL KINDS USED IN BANKING BUSINESS. CONTINENTAL BANK-SUPPLY COMPANY, Mexico, Mo.
Filed August 19, 1925. Serial No. 219,060. PUBLISHED MARCH 1, 1927.

227,581. RADIO RECEIVING SETS AND PARTS THEREOF. CHIEFTAIN RADIO CORPORATION, Chicago, Ill.
Filed August 22, 1925. Serial No. 219,228. PUBLISHED DECEMBER 8, 1925.

227,582. NOTEBOOKS, CHALK HOLDERS, AND UNGRADUATED WOODEN RULERS. REEVES & SONS LIMITED, London, England.
Filed October 15, 1925. Serial No. 221,772. PUBLISHED MARCH 1, 1927.

227,583. TEA. DWINELL-WRIGHT COMPANY, Boston, Mass.
Filed October 31, 1925. Serial No. 222,602. PUBLISHED JANUARY 18, 1927.

227,584. CANDY BARS. COXON CORPORATION, San Francisco, Calif.
Filed November 16, 1925. Serial No. 223,371. PUBLISHED MARCH 1, 1927.

227,585. CANDY. BULLOCK'S, Los Angeles, Calif.
Filed November 18, 1925. Serial No. 223,460. PUBLISHED MARCH 1, 1927.

227,586. CANNED VEGETABLES AND CANNED BERRIES. SANBORN-CUTTING COMPANY, Astoria, Oreg.
Filed November 25, 1925. Serial No. 223,869. PUBLISHED MARCH 1, 1927.

227,587. MEDICINAL PREPARATION USED PRIMARILY AS A TONIC. J. S. CHYREK, doing business as Koch Chemical Company, Portland, Oreg.
Filed December 17, 1925. Serial No. 224,808. PUBLISHED FEBRUARY 15, 1927.

227,588. WOMEN'S AND MISSES' DRESSES AND GOWNS. BLECHER, ARNOLD & ENGELBERG, Chicago, Ill.
Filed December 19, 1925. Serial No. 224,896. PUBLISHED JUNE 15, 1926.

227,589. KNITTED SWEATERS AND HOSIERY. REVERE KNITTING MILLS INC., Malden, Mass.
Filed August 5, 1926. Serial No. 235,618. PUBLISHED FEBRUARY 22, 1927.

227,590. CANDY SUCKER. FRANK S. BARBARO, Springfield, Ill.
Filed August 9, 1926. Serial No. 235,722. PUBLISHED MARCH 1, 1927.

227,591. BARE OR UNCOVERED METALLIC WIRE AND METALLIC RODS. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn.
Filed August 14, 1926. Serial No. 235,942. PUBLISHED FEBRUARY 22, 1927.

227,592. PANTS. KING MANUFACTURING COMPANY, Memphis, Tenn.
Filed August 14, 1926. Serial No. 235,963. PUBLISHED FEBRUARY 22, 1927.

227,593. HEAVY STRAW PAPER USED IN THE MANUFACTURE OF CORRUGATED BOARD FOR SHIPPING CONTAINERS. THE WESTON PAPER & MANUFACTURING COMPANY, Dayton, Ohio.
Filed August 14, 1926. Serial No. 235,990. PUBLISHED OCTOBER 19, 1926.

227,594. PHARMACEUTICAL PREPARATIONS, PLASTERS, PROPRIETARY AND VETERINARY MEDICINES—VIZ, CREAM FOR POLISHING AND DYEING FINGER NAILS, PASTE FOR CLEANING THE FINGER-NAIL ROOTS, BALM FOR STOPPING UP THE NAIL PORES, AND NAIL POWDER. F. L. HARNISCH, Berlin, Germany.
Filed August 2, 1926. Serial No. 235,472. PUBLISHED MARCH 1, 1927.

227,595. LEATHER BOOTS AND SHOES. THE JULIAN & KOKENOR COMPANY, doing business as The Lape & Adler Company, Cincinnati, Ohio.
Filed July 29, 1926. Serial No. 235,305. PUBLISHED JANUARY 11, 1927.

227,596. POLISH FOR METAL AND COMPOUNDS FOR CLEANING ENAMELED SURFACES AND UPHOLSTERED FABRICS. RESEARCH CLUB, INC., Chicago, Ill.
Filed July 24, 1926. Serial No. 235,073. PUBLISHED MARCH 1, 1927.

227,597. AUTOMOBILE BODY POLISH. THE BETTER TIRES COMPANY, Chicago, Ill.
Filed July 24, 1926. Serial No. 235,024. PUBLISHED MARCH 1, 1927.

227,598. MONTHLY PUBLICATION. WALL STREET ICONOCLAST, New York, N. Y.
Filed July 23, 1926. Serial No. 235,007. PUBLISHED MARCH 1, 1927.

227,599. ROOM-HEATING RADIATOR USING OIL OR GAS. EVERHOT HEATER COMPANY, Detroit, Mich.
Filed July 17, 1926. Serial No. 234,666. PUBLISHED MARCH 1, 1927.

227,600. WOMEN'S BLOUSES, DRESSES AND COATS FOR WOMEN AND CHILDREN, AND UNIFORMS FOR NURSES, MAIDS, AND ELEVATOR OPERATORS. THE REGAL BLOUSE COMPANY, Cleveland, Ohio.
Filed July 8, 1926. Serial No. 234,298. PUBLISHED FEBRUARY 22, 1927.

227,601. FRESH VEGETABLES—NAMELY, BEANS, TOMATOES, SQUASH, CUCUMBERS, AND POTATOES. WILLIAM E. MCDAVITT, doing business as McDavitt Brothers, Brownsville, Tex.
Filed July 6, 1926. Serial No. 234,219. PUBLISHED MARCH 1, 1927.

227,602. MELONS—NAMELY, FRESH CANTALOUPES; FRESH VEGETABLES—NAMELY, LETTUCE. EDWARD E. WHITTED, Calexico, Calif.
Filed July 3, 1926. Serial No. 234,180. PUBLISHED MARCH 1, 1927.

227,603. REMEDY FOR WARTS. CORN FIX CO., INC., Newark, N. J.
Filed July 3, 1926. Serial No. 234,102. PUBLISHED AUGUST 10, 1926.

227,604. HEAVY STRAW PAPER USED IN THE MANUFACTURE OF CORRUGATED BOARD FOR SHIPPING CONTAINERS. THE WESTON PAPER & MANUFACTURING COMPANY, Dayton, Ohio.
Filed June 21, 1926. Serial No. 233,594. PUBLISHED OCTOBER 19, 1926.

227,605. HAIR TONIC. DOMINICK IARUSSI, Cleveland, Ohio.
Filed June 4, 1926. Serial No. 232,729. PUBLISHED NOVEMBER 2, 1926.

227,606. CANDY. JUNIOR CANDY COMPANY, Milwaukee, Wis.
Filed August 21, 1926. Serial No. 236,263. PUBLISHED MARCH 1, 1927.

227,607. WOMEN'S AND MISSES' DRESSES, COATS, SUITS, HATS, VESTS, BLOOMERS, CHEMISES, COMBINATIONS, STEP-INS, DANCE SETS, PANTIES, NIGHTGOWNS, PYJAMAS, COSTUME SLIPS, AND NEGLIGEES. S. M. GOLDBERG ENTERPRISES, INC., New York, N. Y.
Filed September 1, 1926. Serial No. 236,744. PUBLISHED FEBRUARY 22, 1927.

227,608. PREPARATION FOR THE TREATMENT OF CHILLS, FEVER, MALARIA, LA GRIPPE, COLDS, CATARRH, CONSTIPATION, AND ALL DISORDERS ARISING FROM POISONS TAKEN INTO THE SYSTEM OR FORMED FROM IMPERFECT ELIMINATION. W. J. RAWLS, doing business as Rawls Drug Company, Dallas, Tex.
Filed September 1, 1926. Serial No. 236,771. PUBLISHED JANUARY 11, 1927.

227,609. FRENCH DRESSING. RED FERN MANUFACTURING COMPANY, Spokane, Wash.
Filed September 1, 1926. Serial No. 236,772. PUBLISHED FEBRUARY 22, 1927.

227,610. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed September 8, 1926. Serial No. 236,980. PUBLISHED MARCH 1, 1927.

227,611. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed October 20, 1926. Serial No. 238,887. PUBLISHED MARCH 1, 1927.

227,612. LAXATIVE CHEWING GUM. JOSEPH M. GRIES, Battle Mountain, Nev.
Filed January 5, 1927. Serial No. 242,372. PUBLISHED MARCH 1, 1927.

227,613. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed January 6, 1927. Serial No. 242,421. PUBLISHED MARCH 1, 1927.

227,614. PAPER MANUFACTURED OF WOOD PULP FOR USE AS PAPER BOX PADDING AND PAPER CANDY PADDING. WILLIAM A. HERMANSON, Boston, Mass.
Filed January 6, 1927. Serial No. 242,431. PUBLISHED MARCH 1, 1927.

227,615. PREPARATION FOR THE HAIR. EMILIE BARBEY, Paris, France.
Filed January 8, 1927. Serial No. 242,517. PUBLISHED MARCH 1, 1927.

227,616. SOAP. TRAVEL-SUDS COMPANY, INC., New York, N. Y.
Filed January 8, 1927. Serial No. 242,556. PUBLISHED MARCH 1, 1927.

227,617. HOSIERY. DAISY WHITEHEAD KNITTING CO., New York, N. Y.
Filed January 10, 1927. Serial No. 242,574. PUBLISHED MARCH 1, 1927.

227,618. OVERALLS AND WORK SHIRTS. HARLIN & WILLIAMS, Nashville, Tenn.
Filed January 10, 1927. Serial No. 242,586. PUBLISHED MARCH 1, 1927.

227,619. TOILET AND BATH SOAPS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed January 11, 1927. Serial No. 242,690. PUBLISHED MARCH 1, 1927.

227,620. CONFECTION—NAMELY, CANDIED FIGS. ANGLETON FIG COMPANY, Angleton, Tex.
Filed January 12, 1927. Serial No. 242,701. PUBLISHED MARCH 1, 1927.

227,621. NONALCOHOLIC, MALTLESS BEVERAGES USED AS SOFT DRINKS; EXTRACTS, CONCENTRATES, AND SIRUPS FOR THE USE OF BOTLERS AND AT SODA FOUNTAINS. HENRY-BROWN COMPANY, INC., doing business as Charles B. Poar, Glendale, Calif.
Filed January 14, 1927. Serial No. 242,831. PUBLISHED MARCH 1, 1927.

227,622. GINGER ALE. HOTEL SHERMAN CO., Chicago, Ill.
Filed January 14, 1927. Serial No. 242,832. PUBLISHED MARCH 1, 1927.

227,623. ALL-SILK CREPE IN THE PIECE. JAS. G. JOHNSON & CO., New York, N. Y.
Filed January 15, 1927. Serial No. 242,891. PUBLISHED MARCH 1, 1927.

227,624. TIRE PATCHES, TUBE PATCHES, TIRE-REPAIR KITS, SECTIONAL AIR BAGS FOR TIRE REPAIRING, AND VALVE PADS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed January 21, 1927. Serial No. 243,148. PUBLISHED MARCH 1, 1927.

227,625. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed January 21, 1927. Serial No. 243,175. PUBLISHED MARCH 1, 1927.

227,626. WOODWORKING-MACHINERY KNIVES. GUARANTEED MACHINE COMPANY, Seattle, Wash.
Filed January 24, 1927. Serial No. 243,268. PUBLISHED MARCH 1, 1927.

227,627. FRESH VEGETABLES. SALINAS LAND COMPANY, King City, Calif.
Filed January 24, 1927. Serial No. 243,286. PUBLISHED MARCH 1, 1927.

227,628. HOSIERY. THE BENTLEY GRAY DRY GOODS CO., Tampa, Fla., and New York, N. Y.
Filed April 13, 1926. Serial No. 230,078. PUBLISHED JULY 27, 1926.

227,629. HEATING APPLIANCE COMPRISING A CONTAINER SOMEWHAT ANALOGOUS TO A HOT-WATER BOTTLE IN ITS NATURE AND CONTAINING INGREDIENTS ADAPTED TO GENERATE HEAT BY CHEMICAL REACTION. RADIO PACK COMPANY, INC., New York, N. Y.
Filed April 16, 1926. Serial No. 230,314. PUBLISHED FEBRUARY 15, 1927.

227,630. EXTRACTS, COMPOUNDS, CONCENTRATES, AND ESSENCES FOR FLAVORING FOODS. GEORGE LUEDERS & CO., New York, N. Y.
Filed May 5, 1926. Serial No. 231,154. PUBLISHED FEBRUARY 22, 1927.

227,631. BOOKS; PRINTS—NAMELY, OLD ETCHINGS, LITHOGRAPHS, WASH DRAWINGS, SKETCHES, AND COPIES OF ALL THE SAME; AND PAMPHLETS. SIGN OF THE MERMAID, Detroit, Mich.
Filed May 27, 1926. Serial No. 232,357. PUBLISHED MARCH 1, 1927.

227,632. BELTING, PARTICULARLY STITCHED CANVAS BELTING. RUBOIL BELTING COMPANY, Philadelphia, Pa.
Filed September 14, 1926. Serial No. 237,247. PUBLISHED MARCH 1, 1927.

227,633. HOROLOGICAL INSTRUMENTS CONSISTING OF WATCHES. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed November 22, 1926. Serial No. 240,412. PUBLISHED FEBRUARY 15, 1927.

227,634. FRESH VEGETABLES. SOUTHERN SWEET POTATO EXCHANGE INCORPORATED, Sunset, La.
Filed October 23, 1926. Serial No. 239,152. PUBLISHED MARCH 1, 1927.

227,635. MATTRESSES AND PILLOWS. FREDERICK PARKER, doing business as Usatex Mfg. Co., Houston, Tex.
Filed October 30, 1926. Serial No. 239,486. PUBLISHED MARCH 1, 1927.

227,636. LAXATIVE PREPARATION IN THE FORM OF A BUD OR CONE. SARA ASKIN, doing business as Budlax Manufacturing Company, Philadelphia, Pa.
Filed November 8, 1926. Serial No. 239,783. PUBLISHED MARCH 1, 1927.

227,637. ELECTRIC TRAVELING CRANES, HOISTS, TROLLEYS, ETC. HARNISCHFEGER CORPORATION, Milwaukee, Wis.
Filed November 8, 1926. Serial No. 239,806. PUBLISHED JANUARY 25, 1927.

227,638. COTTON, COTTON AND SILK, AND COTTON AND RAYON FABRICS. TURNER & VANDAM INC., New York, N. Y.
Filed November 9, 1926. Serial No. 239,869. PUBLISHED MARCH 1, 1927.

227,639. EXTRACTS, SIRUPS, AND CONCENTRATES FOR MAKING NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. H. C. SCHRANCK COMPANY, Milwaukee, Wis.
Filed November 10, 1926. Serial No. 239,899. PUBLISHED MARCH 1, 1927.

227,640. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. THE WEAVER APPAREL COMPANY, Elizabethville, Berrysburg, Enders, Rife, and Trevorton, Pa.
Filed November 11, 1926. Serial No. 239,953. PUBLISHED FEBRUARY 22, 1927.

227,641. TOILET WATER. CHARLES M. MUNSCH, Portland, Pa., and New York, N. Y.
Filed November 12, 1926. Serial No. 239,995. PUBLISHED MARCH 1, 1927.

227,642. CHILDREN'S AND YOUTHS' COATS AND DRESSES. CROWLEY, MILNER & CO., Detroit, Mich.
Filed November 19, 1926. Serial No. 240,294. PUBLISHED FEBRUARY 15, 1927.

227,643. MONTHLY MAGAZINES. THE AMERICAN NEWS COMPANY, INC., New York, N. Y.
Filed November 20, 1926. Serial No. 240,334. PUBLISHED MARCH 1, 1927.

227,644. MEDICINE PUT UP IN LIQUID FORM FOR THE TREATMENT OF SYPHILIS AND BLOOD TROUBLES. JOSES C. OZAN, Houston, Tex.
Filed November 22, 1926. Serial No. 240,437. PUBLISHED MARCH 1, 1927.

227,645. GENERAL CLEANSER FOR HOUSEHOLD AND GARAGE USE AND ALSO FOR USE ON WOODWORK AND METALS. J. O. BLACKBURN, doing business as The Blackburn Packers, Lovelock, Nev.
Filed November 24, 1926. Serial No. 240,521. PUBLISHED MARCH 1, 1927.

227,646. EXERCISING DEVICES—NAMELY, SPRING AND WEIGHT EXERCISERS, HORIZONTAL BARS, ROWING MACHINES, AND PUNCHING-BAG SUPPORTS. S. BLICKMAN, INC., Weehawken, N. J.
Filed November 24, 1926. Serial No. 240,522. PUBLISHED MARCH 1, 1927.

227,647. LIQUID AND POWDER PERFUMES, TOILET WATER, TALC POWDER, FACE POWDER, COLD CREAMS, DENTAL CREAM, DENTAL POWDER, LIQUID DENTIFRICES, HAIR TONICS AND POMADES, SHAMPOO PREPARATIONS, FACE LOTIONS. COLGATE & COMPANY, Jersey City, N. J.
Filed November 24, 1926. Serial No. 240,533. PUBLISHED MARCH 1, 1927.

227,648. ACID GLOVES, MITTENS, APRONS, ALL MADE OF FABRIC OR RUBBER, OR BOTH. NORMAN L. KUEHN, doing business as N. L. Kuehn Company, Milwaukee, Wis.
Filed November 24, 1926. Serial No. 240,556. PUBLISHED FEBRUARY 22, 1927.

227,649. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed November 24, 1926. Serial No. 240,568. PUBLISHED FEBRUARY 22, 1927.

227,650. MONTHLY MAGAZINE. MEADOW PRESS, INC., New York, N. Y.
Filed November 27, 1926. Serial No. 240,674. PUBLISHED MARCH 1, 1927.

227,651. ANTISEPTIC FACE LOTIONS. W. L. BUCK COMPANY, Oklahoma City, Okla.
Filed November 29, 1926. Serial No. 240,697. PUBLISHED JANUARY 25, 1927.

227,652. INSTRUMENTS FOR MEASURING AND RECORDING VOLTAGE SURGES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed November 30, 1926. Serial No. 240,795. PUBLISHED MARCH 1, 1927.

227,653. HOSIERY. CHARLES F. BERG, Portland, Oreg.
Filed December 1, 1926. Serial No. 240,801. PUBLISHED FEBRUARY 22, 1927.

227,654. PAINT AND VARNISH REMOVER. THE CRAMPTON COMPANY, New Hartford, Conn.
Filed December 30, 1926. Serial No. 242,170. PUBLISHED FEBRUARY 22, 1927.

227,655. DENTAL CEMENT. THE L. D. CAULK COMPANY, Milford, Del.
Filed December 31, 1926. Serial No. 242,225. PUBLISHED FEBRUARY 22, 1927.

227,656. COFFEE. MILDRED A. LITTLE, Brooklyn, N. Y.
Filed December 31, 1926. Serial No. 242,237. PUBLISHED FEBRUARY 15, 1927.

227,657. COMBINED COAL AND GAS RANGES. A-B STOVE COMPANY, Battle Creek, Mich.
Filed January 3, 1927. Serial No. 242,266. PUBLISHED MARCH 1, 1927.

227,658. AUTOMOBILES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed January 5, 1927. Serial No. 242,371. PUBLISHED MARCH 1, 1927.

227,659. DRYING COMPOSITION FOR PRINTING INK. HOMER W. PALMER & COMPANY, Chicago, Ill.
Filed January 5, 1927. Serial No. 242,391. PUBLISHED MARCH 1, 1927.

227,660. LOCKS. JOHN Q. SHERMAN, doing business as The Travelsafe Company, Dayton, Ohio.
Filed January 6, 1927. Serial No. 242,445. PUBLISHED MARCH 1, 1927.

227,661. NITROCELLULOSE LACQUERS AND ENAMELS, UNDERCOATINGS, AND THINNERS. THE MARTIN-SENOUR COMPANY, Chicago, Ill.
Filed January 7, 1927. Serial No. 242,485. PUBLISHED FEBRUARY 22, 1927.

227,662. ICE CREAM. ICE CREAM SMACK PRODUCTS CO., doing business as Western Dairy Products Co., Portland, Oreg.
Filed January 10, 1927. Serial No. 242,590. PUBLISHED FEBRUARY 22, 1927.

227,663. TABLE SIRUP. WALTER BLAIR RODDENBERY, Cairo, Ga.
Filed January 10, 1927. Serial No. 242,620. PUBLISHED FEBRUARY 22, 1927.

227,664. ACID SIPHONS. PYRENE MANUFACTURING COMPANY, Newark, N. J.
Filed January 13, 1927. Serial No. 242,797. PUBLISHED MARCH 1, 1927.

227,665. GRAPE JAM. CELLAS', INC., New York, N. Y.
Filed January 14, 1927. Serial No. 242,817. PUBLISHED FEBRUARY 22, 1927.

227,666. LUBRICATING OIL, LUBRICATING GREASE, AXLE GREASE, ROAD OIL, FUEL FOR INTERNAL-COMBUSTION ENGINES, AND KEROSENE. WARNER-QUINLAN COMPANY, New York, N. Y.
Filed March 27, 1926. Serial No. 229,312. PUBLISHED NOVEMBER 16, 1926.

227,667. FRESH VEGETABLES—NAMELY, LETTUCE, CAULIFLOWER, AND FRESH CANTALOUPES. ROBERT JAMES RICHARDS, doing business as W. M. Watson & Company, Chicago, Ill.
Filed January 25, 1926. Serial No. 226,374. PUBLISHED MARCH 1, 1927.

227,668. CANNED BERRIES AND CANNED VEGETABLES. STAR CANNING CO., Lindale, Tex.
Filed January 30, 1926. Serial No. 226,694. PUBLISHED FEBRUARY 22, 1927.

227,669. GASOLINE. TWINING OIL COMPANY, Twining, Mich.
Filed February 2, 1926. Serial No. 226,793. PUBLISHED MARCH 23, 1926.

227,670. WATER COLORS OF ALL KINDS IN PIECES, SHELLS, DISHES; COLORS FOR CERAMIC AND PHOTOGRAPHIC PURPOSES IN POWDER AND IN PREPARED FORM. VEREINIGTE FARBEN- & LACKFABRIKEN, Munich, Germany.
Filed February 8, 1926. Serial No. 227,048. PUBLISHED MARCH 1, 1927.

227,671. LIQUID POLISH FOR GOLD, SILVER, AND PLATED WARE. THE MAJESTIC PRODUCTS CORPORATION, Philadelphia, Pa.
Filed February 23, 1926. Serial No. 227,658. PUBLISHED APRIL 20, 1926.

227,672. FENCE STAYS. OLLIE H. BUCK, Kokomo, Ind.
Filed February 24, 1926. Serial No. 227,713. PUBLISHED MARCH 1, 1927.

227,673. ANTISEPTIC GERM DESTROYER, DISINFECTANT, DEODORANT, AND BLEACH. ZONITE PRODUCTS COMPANY, New York, N. Y.
Filed March 8, 1926. Serial No. 228,077. PUBLISHED MAY 4, 1926.

227,674. PREPARATION FOR USE IN THE TREATMENT OF THE TEETH AND GUMS AND AS A GARGLE IN THE TREATMENT OF SORE THROATS. RHEA M. SMILEY, doing business as Smiley Medicine Co., Augusta, Kans.
Filed February 25, 1926. Serial No. 227,814. PUBLISHED JANUARY 4, 1927.

227,675. BLEACHING PREPARATION FOR THE SKIN. CLEAR-O-WHITE LABORATORIES INC., Long Island City, N. Y.
Filed August 17, 1923. Serial No. 184,598. PUBLISHED MARCH 1, 1927.

227,676. KNIT UNDERWEAR FOR LADIES AND CHILDREN, UNDERSKIRTS, SWEATERS, AND HOSIERY. ETHEL L. MARSHALL, Winston-Salem, N. C., assignor to Dryad Mills Company, Winston-Salem, N. C.
Filed October 31, 1923. Serial No. 187,753. PUBLISHED JANUARY 15, 1924.

227,677. CANNED TUNNY FISH. NAOSABURO TATSUKAWA, doing business as Ono Trading Co., San Francisco, Calif.
Filed December 12, 1923. Serial No. 189,598. PUBLISHED MARCH 1, 1927.

227,678. WOMEN'S APPAREL—NAMELY, HOSIERY, LEATHER SHOES, AND SUITS. MADELON MODES, INC., New York, N. Y.
Filed August 28, 1924. Serial No. 201,967. PUBLISHED MAY 5, 1925.

227,679. BITUMINOUS COAL. VIRGINIA HARLAN COAL CORPORATION, Pineville, Ky.
Filed November 18, 1924. Serial No. 205,500. PUBLISHED MARCH 1, 1927.

227,680. MEN'S, WOMEN'S, AND CHILDREN'S SHOES BEING MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SAID MATERIALS. THE UNITED STATES SHOE COMPANY, Cincinnati, Ohio.
Filed February 13, 1925. Serial No. 209,553. PUBLISHED MAY 12, 1925.

227,681. FRESH AND COLD-STORAGE EGGS. PLANKINTON PACKING COMPANY, Milwaukee, Wis.
Filed March 13, 1925. Serial No. 210,982. PUBLISHED MARCH 2, 1926.

227,682. TIGHTENING AND PACKING MATERIAL TO BE INSERTED BETWEEN BUILDING STONES AND BUILDING PLATES, ETC. EDUARD DYCKERHOFF, Poggenhagen, Germany.
Filed March 25, 1925. Serial No. 211,576. PUBLISHED FEBRUARY 22, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

227,683. (CLASS 12. CONSTRUCTION MATERIALS.) THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed May 2, 1925. Serial No. 213,739.

SQUARE-TAB

Particular description of goods.—Shingles and Shingle Strips.
Claims use since on or about Mar. 15, 1923.

227,684. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SELFSEAL PRESSURE COOKER COMPANY, INC., Jamaica, N. Y. Filed Jan. 9, 1924. Serial No. 190,616.

SELFSEAL



Particular description of goods.—Pressure Cookers.
Claims use since about Dec. 17, 1923.

227,685. (CLASS 10. FERTILIZERS.) KNOXVILLE FERTILIZER COMPANY, Knoxville, Tenn. Filed Oct. 31, 1923. Serial No. 187,744.

KNOX MAGNESIA PHOSPHATE

Particular description of goods.—Fertilizer.
Claims use since June, 1922.

227,686. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EUGENE BERTONE, Baltimore, Md. Filed Feb. 27, 1926. Serial No. 227,874.



Particular description of goods.—Rotary Tube Cleaners.
Claims use since Feb. 26, 1926.

227,687. (CLASS 25. LOCKS AND SAFES.) K. KAUFMANN & CO., Newark, N. J. Filed Apr. 6, 1926. Serial No. 229,736.

DIALOCK

Particular description of goods.—Combination Locks.
Claims use since Jan. 1, 1926.

227,688. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LINEHAN & MOLO, Dubuque, Iowa. Filed Apr. 15, 1926. Serial No. 230,248.

PERFECTION

Particular description of goods.—Coal.
Claims use since Mar. 31, 1926.

227,689. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALBERT W. CAMPBELL, Bay City, Mich. Filed Apr. 19, 1926. Serial No. 230,380.

SHOP ON WHEELS

Particular description of goods.—Automobile Bodies.
Claims use since Apr. 5, 1925.

227,690. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE AMERICAN MALT COMPANY, Baltimore, Md. Filed Apr. 20, 1926. Serial No. 230,436.

AMERICAN

Particular description of goods.—Malt Sirup for Beverage Purposes.
Claims use since Apr. 8, 1926.

227,691. (CLASS 31. FILTERS AND REFRIGERATORS.) NATIONAL PERCOLATOR COMPANY, Los Angeles, Calif. Filed May 19, 1926. Serial No. 231,875.

Charbon

Particular description of goods.—Filtering Material Composed of Charcoal and Other Substances Intended for Use in Filtering Water.
Claims use since Mar. 1, 1926.

227,692. (CLASS 31. FILTERS AND REFRIGERATORS.) LEONARD REFRIGERATOR COMPANY, Grand Rapids Mich., assignor to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan. Filed July 23, 1926. Serial No. 234,962.

LEONARD

Particular description of goods.—Refrigerators and Refrigerator Parts.
Claims use since about July 1, 1914.

227,693. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BURNS BROS., New York, N. Y. Filed Aug. 28, 1926. Serial No. 236,592.

BURNS COAL BURNS

Particular description of goods.—Coal and Coke.
Claims use since March, 1926.

227,694. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHENANGO EQUIPMENT MFG. CO., INC., Norwich, N. Y. Filed Sept. 15, 1926. Serial No. 237,264.

Chenango
CAMP TRAILERS

Particular description of goods.—Camping Outfits for Use by Automobile Tourists Consisting of Trailing Tents Mounted on Trucks and Including Beds, Kitchen Cabinet, Ice Chest, Stove, and Kitchenette.
Claims use since Sept. 22, 1920.

227,695. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. DI FIORE CANNING COMPANY, San Jose, Calif. Filed Jan. 24, 1927. Serial No. 243,256.

FULL WEIGHT

Particular description of goods.—Canned Fruits.
Claims use since Aug. 14, 1924.

227,696. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Peoria and South Bartonville (Peoria), Ill. Filed Mar. 10, 1927. Serial No. 245,497.

"ALL-RED"

Particular description of goods.—Metal Gates.
Claims use since Feb. 1, 1926.

227,697. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) S. & H. NOVELTY COMPANY, Atlantic City, N. J. Filed Mar. 19, 1927. Serial No. 246,052.

Charleston
"PUP"

Particular description of goods.—Toy Dogs.
Claims use since February, 1926.

227,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. FINLEY KETTLES, South Holland, Ill. Filed Nov. 23, 1926. Serial No. 240,496.

(PAIN-BLOC)

Particular description of goods.—A Local Anæsthetic for the Injection into the Tissues for Minor Surgery, Also for the Extraction of Teeth.
Claims use since Jan. 1, 1923.

227,699. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Mar. 10, 1926. Serial No. 228,446.

NU-TWILL

Particular description of goods.—Knitted Textile Fabrics Composed of Cotton, Silk, Wool, or Combinations Thereof.
Claims use since December, 1925.

227,700. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Jan. 28, 1926. Serial No. 226,542.

Try everything and keep the best
Deutsches Erzeugnis

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Fruit Juices for Making the Same.
Claims use since May 6, 1923.

227,701. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NATIONAL PRODUCTS CORPORATION OF AMERICA, Chicago, Ill. Filed Nov. 11, 1925. Serial No. 223,110.

FAIRFAX

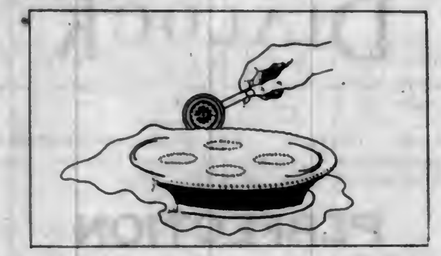
Particular description of goods.—Automobile Tires of Rubber, Fabric, and Combinations Thereof.
Claims use since Nov. 1, 1925.

227,702. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CONCENTRATE PRODUCTS CO., Chicago, Ill. Filed Nov. 2, 1925. Serial No. 222,664.

MINROL-PROTIN

Particular description of goods.—Corrective Food for Poultry.
Claims use since Aug. 14, 1925.

227,703. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EVELYN L. SIMPSON, Ocean City, N. J. Filed Feb. 23, 1927. Serial No. 244,792.



Particular description of goods.—Pie Marker and Trimmer.
Claims use since 1921.

227,704. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) SOUTHWARK FOOD PRODUCTS CO., Philadelphia, Pa. Filed Dec. 24, 1926. Serial No. 241,967.

SOUTHWARK

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Feb. 18, 1921.

227,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS & OAKE, Chicago, Ill. Filed Dec. 11, 1926. Serial No. 241,355.

VIRGINIA

Particular description of goods.—Bacon.
Claims use since Feb. 25, 1922.

227,706. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RUDOLPH A. WIESE, doing business as Sure Grip Belt Dressing Company, Winona, Minn. Filed May 24, 1926. Serial No. 232,168.

SURE GRIP

Particular description of goods.—Belt Dressing and Brake Dressing.
Claims use since Jan. 1, 1926.

227,707. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Mar. 22, 1926. Serial No. 228,998.

Soie Radiante

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Feb. 20, 1926.

227,708. (CLASS 39. CLOTHING.) GOODLOW CORPORATION, New York, N. Y. Filed Mar. 16, 1926. Serial No. 228,695.

RANDALL

Particular description of goods.—Men's and Boys' Suits, Overcoats, and Raincoats.
Claims use since Feb. 13, 1926.

227,709. (CLASS 39. CLOTHING.) GOODMAN & SUSS INC., Rochester, N. Y. Filed Feb. 7, 1927. Serial No. 243,940.

KILKENNY TWEED

Particular description of goods.—Suits and Topcoats for Men and Young Men.
Claims use since April, 1925.

227,710. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) EMILE N. GAUTHIER, doing business as B. Frontenac Co., Rumford, Me. Filed Jan. 31, 1927. Serial No. 243,600.

Frontenac

Particular description of goods.—Malt and Hops Extract and Sirup to be Used in Making Nonintoxicating Beverages and for Bakers' Products, Near Beer, and Nonintoxicating Beverages.
Claims use since Jan. 1, 1926.

227,711. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VINO SANO CO., San Francisco, Calif. Filed Jan. 10, 1927. Serial No. 242,638.

GRAPE BRICK

Particular description of goods.—A Nonalcoholic, Maltless Grape-Juice Compound in Brick Form for Making Beverages Sold as Soft Drinks.
Claims use since Jan. 1, 1922.

227,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN LIDDLE CO., INC., Glens Falls, N. Y. Filed Jan. 10, 1927. Serial No. 242,599.

QUEENSBURY

Particular description of goods.—Canned Vegetables.
Claims use since Mar. 27, 1925.

227,713. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ROLLA J. MINTON, doing business as Minton's Syrup Co., San Francisco, Calif. Filed Mar. 12, 1927. Serial No. 245,649.

MINTON'S

Particular description of goods.—Malt Sirup.
Claims use since Jan. 3, 1923.

227,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CANNERIES COMPANY, San Francisco, Calif. Filed Mar. 12, 1927. Serial No. 245,617.

Lusk's Luscious

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Dec. 1, 1921.

227,715. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RICHARD F. CANTWELL, Brooklyn, N. Y. Filed Mar. 10, 1927. Serial No. 245,470.

IRISH DRY
PALE GINGER ALE

Particular description of goods.—Ginger Ale and Sirup for Making the Same.
Claims use since Feb. 1, 1925.

227,716. (CLASS 39. CLOTHING.) MILLARDS DRESS SHOP INC., Philadelphia, Pa. Filed Mar. 5, 1927. Serial No. 245,282.

THE ASHLEY

Particular description of goods.—Ladies' Ready-to-Wear Apparel—Namely, Dresses, Waists, Skirts, Suits, Coats, Hosiery, Underwear of Knitted and Textile Fabric.
Claims use since Feb. 25, 1926.

227,717. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Filed Mar. 12, 1927. Serial No. 245,609.

ASBESTOSIZED

Particular description of goods.—Inner Tubes for Pneumatic Tires Made Wholly or in Part of Rubber.
Claims use since Feb. 23, 1926.

TRADE-MARK REGISTRATIONS RENEWED

29,615. NEEDLES. Registered March 2, 1897. THOMAS HARPER. Renewed March 2, 1927, to Thomas Harper & Sons, Limited, Redditch, England, a Corporation of Great Britain, successor.

29,671. PARLOR GAME APPARATUS. Registered March 9, 1897. PARKER BROS. Renewed March 9, 1927, to Parker Brothers, Incorporated, Salem, Mass., a Corporation of Maine, successor.

29,791. WHEAT FLOUR. Registered April 6, 1897. MECHANISCHE WEBEREI ZU LINDEN, Hanover-Linden, Germany. Renewed April 6, 1927, to Mechanische Weberei zu Linden, Linden, Germany, a Corporation of Germany.

29,791. WHEAT FLOUR. Registered April 6, 1897. BALLARD & BALLARD COMPANY. Renewed April 6, 1927, to Ballard & Ballard Co., Louisville, Ky., a Corporation of Kentucky.

30,070. CYLINDER PRINTING PRESSES. Registered May 18, 1897. MIEHLE PRINTING PRESS & MANUFACTURING COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 18, 1927.

30,089. BEER AND PORTER. Registered May 25, 1897. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed May 25, 1927.

30,283. BEER, MALT TONIC, ALE, AND PORTER. Registered June 29, 1897. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed June 29, 1927.

30,551. POWDERS FOR THE FEET. Registered September 14, 1897. ALLEN S. OLMSTED, Le Roy, N. Y. Renewed September 14, 1927.

59,325. ELECTRICAL INCANDESCENT LAMPS. Registered January 8, 1907. DEUTSCHE GASGLÜHLICHT-AKTIENGESELLSCHAFT (AUERGESELLSCHAFT). Renewed January 8, 1927, to Osram G. m. b. H., Kommanditgesellschaft, Berlin, Germany, a Corporation of Germany, assignee.

60,089. AUTOMOBILES AND PARTS THEREOF, EXCEPT RUBBER TIRES. Registered January 29, 1907. SOCIÉTÉ LORRAINE DES ANCIENS ETABLISSEMENTS DE DIETRICH & CIE. DE LUNÉVILLE, Paris, France, a Corporation of France. Renewed January 29, 1927.

60,738. HARROWS, DRILLS, AND CULTIVATORS. Registered February 19, 1907. RODERICK LEAN MANUFACTURING COMPANY. Renewed February 19, 1927, to The Roderick Lean Co., Mansfield, Ohio, a Corporation of Ohio, assignee.

61,276. HOSIERY. Registered March 12, 1907. LORD & TAYLOR. Renewed March 12, 1927, to Gotham Silk Hosiery Co. Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

61,278. MINERAL WATERS. Registered March 12, 1907. JACOB RIES. Renewed March 12, 1927, to Jacob Ries Bottling Works, Inc., Shakopee, Minn., a Corporation of Minnesota, successor.

61,509. METAL PLATES AND STEEL. Registered March 26, 1907. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen-on-the-Ruhr, Germany, a Corporation of Germany. Renewed March 26, 1927.

61,693. A CLEANSING AND DISINFECTING PREPARATION. Registered April 2, 1907. AMERICAN ANTIFORMIN CO., New York, N. Y. Renewed April 2, 1927, to American Antiformin Co., Brooklyn, N. Y., a Corporation of New York.

61,797. WASHING MACHINES. Registered April 2, 1907. WALTER J. ZUILL. Renewed April 2, 1927, to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of Delaware, assignee.

62,027. TABLE WATERS. Registered April 16, 1907. JACOB RIES. Renewed April 16, 1927, to Jacob Ries Bottling Works, Inc., Shakopee, Minn., a Corporation of Minnesota, successor.

62,283. CERTAIN RAILWAY EQUIPMENT. Registered April 30, 1907. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen-on-the-Ruhr, Germany, a Corporation of Germany. Renewed April 30, 1927.

62,438. MEN'S KNIT UNDERSHIRTS AND KNIT DRAWERS. Registered May 7, 1907. LOUIS H. SCHAARSCHMIDT. Renewed May 7, 1927, to Louis H. Schaarschmidt Gesellschaft mit beschrankter Haftung, Limbach, Germany, a Stock Corporation of Germany, successor.

62,641. PIANOS AND PIANOS WITH INTERIOR PLAYERS. Registered May 21, 1907. JACOB DOLL & SONS, INC., New York, N. Y., a Corporation of New York. Renewed May 21, 1927.

63,959. GUNPOWDER, AND PARTICULARLY BLACK SPORTING POWDER. Registered July 16, 1907. THE KING POWDER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed July 16, 1927.

64,279. LEAD PENCILS. Registered July 30, 1907. EAGLE PENCIL COMPANY. Renewed July 30, 1927, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

64,507. CERTAIN MEDICINE. Registered August 13, 1907. ST. JACOBS OIL, LIMITED, London, E. C., England, and Baltimore, Md. Renewed August 13, 1927, to Wyeth Chemical Company, Jersey City, N. J., a Corporation of Delaware, assignee.

64,656. CERTAIN MEDICINAL COMPOUND. Registered August 20, 1907. ORRIN C. BOWERS, Oklahoma City, Oklahoma Territory. Renewed August 20, 1927, to Kamphene Company, Inc., Oklahoma City, Okla., a Corporation of Oklahoma, assignee by mesne assignments.

64,722. CARAMELS AND CARAMEL PASTE. Registered August 20, 1907. BORDEN'S CONDENSED MILK COMPANY, Jersey City, N. J., and New York, N. Y. Renewed August 20, 1927, to The Borden Company, New York, N. Y., a Corporation of New Jersey, assignee.

64,723. CHOCOLATE, CARAMELS, AND CARAMEL PASTE. Registered August 20, 1907. BORDEN'S CONDENSED MILK COMPANY, Jersey City, N. J., and New York, N. Y. Renewed August 20, 1927, to The Borden Company, New York, N. Y., a Corporation of New Jersey, assignee.

64,976. TALKING MACHINES AND TALKING-MACHINE RECORDS. Registered September 3, 1907. VICTOR TALKING MACHINE COMPANY, Camden, N. J., a Corporation of New Jersey. Renewed September 3, 1927.

65,018. CERTAIN MEDICINES. Registered September 3, 1907. ANDREW DUKA, Bridgeport, Conn. Renewed September 3, 1927.

65,176. CERTAIN MEDICINE. Registered September 10, 1907. FREDERICK A. DICKS. Renewed September 10, 1927, to F. A. Dicks & Co. Inc., New Orleans, La., a Corporation of Louisiana, assignee.

65,198. CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered September 10, 1907. CHARLES H. HOWELL & CO. Renewed September 10, 1927, to Charles H. Howell & Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

65,331. A MONTHLY MAGAZINE. Registered September 17, 1907. THE ILLINOIS HUMANE SOCIETY, Chicago, Ill., a Corporation of Illinois. Renewed September 17, 1927.

65,344. PORTABLE TANKS FOR COMPRESSED ACETYLENE GAS. Registered September 17, 1907. THE PREST-O-LITE COMPANY, Indianapolis, Ind. Renewed September 17, 1927, to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York, assignee.

65,408. PRETZELS. Registered September 24, 1907. OAKDALE BAKING COMPANY. Renewed September 24, 1927, to American Cone & Pretzel Company, Philadelphia, Pa., a Corporation of West Virginia, assignee.

65,408. A PLASTER AND A PROPRIETARY MEDICINE. Registered September 24, 1907. ERNEST JEFFREY WRECHCKE, Springfield, Minn. Renewed September 24, 1927, to The Adlerika Company, St. Paul, Minn., a Corporation of Minnesota, assignee.

LABELS

REGISTERED MAY 10, 1927.

32,045.—*Title:* FRONTIER. For Fresh Tomatoes. ISAAC GILBERT ADAMSON, doing business as I. G. Adamson Company, San Benito, Tex. Published January 2, 1927.

32,046.—*Title:* LUNA. For Olive Oil. ANCONA BROTHERS WHOLESALE GROCER COMPANY, Omaha, Nebr. Published February 1, 1927.

32,047.—*Title:* BIG-G.—WONDER CLEANER. For Cleaning Compound. BIG G. PRODUCTS CO., Chicago, Ill. Published March 15, 1927.

32,048.—*Title:* BOOTH'S PALE DRY GINGER ALE. For Ginger Ale. BOOTH BOTTLING CO., INC., Philadelphia, Pa. Published March 23, 1927.

32,049.—*Title:* COTTIE GAME. For a Game. CHARLES BOWLBY, Lynn, Mass. Published January 12, 1927.

32,050.—*Title:* HOLSUM. For Canned Evaporated Milk. J. H. COLBERT, doing business as Lincoln Packing Co., San Francisco, Calif. Published March 1, 1927.

32,051.—*Title:* DE ROSA'S HOUSTON COFFEE. For Roasted Coffee. FRANK DE ROSA, New York, N. Y. Published March 25, 1927.

32,052.—*Title:* THE LADY SLIPPER. For Hosiery. DIEL GRUND COMPANY, St. Louis, Mo. Published March 1, 1927.

32,053.—*Title:* THE ROSE. For Hosiery. DIEL GRUND COMPANY, St. Louis, Mo. Published March 1, 1927.

32,054.—*Title:* THE MUM. For Hosiery. DIEL GRUND COMPANY, St. Louis, Mo. Published March 1, 1927.

32,055.—*Title:* OINTMENT NO. 28 ALPICAIN. For Medicinal Preparation. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Published March 22, 1927.

32,056.—*Title:* LOZENGES NO. 12 IOTHESIN. For Medicinal Preparation. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Published March 22, 1927.

32,057.—*Title:* OINTMENT NO. 29 NESRIN. For Medicinal Preparation. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Published March 22, 1927.

32,058.—*Title:* DR. WHITES COLD AND GRIPPE PILLS. For Medicine for the Relief of Colds, Headache, and Grippe. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published June 1, 1925.

32,059.—*Title:* PARKER'S FOOT-CARE. For Foot Powder. FOOT-CARE CO., Findlay, Ohio. Published March 1, 1927.

32,060.—*Title:* IT'S GEM SPORTWEAR. For Knit Goods. GEM KNITTING MILLS, Philadelphia, Pa. Published August 6, 1926.

32,061.—*Title:* BELGIUM DRY. For Ginger Ale. LOUIS GERSHENFELD, Philadelphia, Pa. Published December 11, 1926.

32,062.—*Title:* ARGENTINE CHILI SAUCE. For Chili Sauce. CLARA M. HANAN, Shoreham, N. Y. Published December 4, 1926.

32,063.—*Title:* PORTO RICAN GOLD BRAND FANCY GRAPEFRUIT. For Canned Grapefruit. THE HASEROT COMPANY, Cleveland, Ohio. Published January 7, 1927.

32,064.—*Title:* LONG GREEN. For Fresh Asparagus. JACK BROS. & MCBURNEY CO., Brawley, Calif. Published February 1, 1927.

32,065.—*Title:* SALTED MIXED NUTS. For Salted Mixed Nuts. EDWARD F. KEMP, Somerville and Boston, Mass. Published March 25, 1927.

32,066.—*Title:* SALTED ALMONDS. For Salted Almonds. EDWARD F. KEMP, Somerville and Boston, Mass. Published March 25, 1927.

32,067.—*Title:* SALTED PECANS. For Salted Pecans. EDWARD F. KEMP, Somerville, and Boston, Mass. Published March 25, 1927.

32,068.—*Title:* SALTED PEANUTS. For Salted Peanuts. EDWARD F. KEMP, Somerville and Boston, Mass. Published March 25, 1927.

32,069.—*Title:* SALTED CASHEW NUTS. For Salted Cashew Nuts. EDWARD F. KEMP, Somerville and Boston, Mass. Published March 25, 1927.

32,070.—*Title:* LIPPS CORDIAL CHERRIES. For Chocolate Covered Cordial Cherries. FREDERICK W. LIPPS CO., INC., Baltimore, Md. Published January 1, 1927.

32,071.—*Title:* EUBLEN. For Coffee Mixture. GEORGE W. MCCLINTOCK, Cincinnati, Ohio. Published April 15, 1926.

32,072.—*Title:* EMBROCATION. For Liniment for Relief of Rheumatism. EMMET JAMES MCINNIS, doing business as E. J. McInnis Co., St. Louis, Mo. Published September 10, 1926.

32,073.—*Title:* DEW DROP LATHER LOTION. For Shaving Lotion. GEORGE DOUGLAS MITCHELL, doing business as Dew Drop Lotion Co., St. Louis, Mo. Published March 5, 1927.

32,074.—*Title:* TIGRE. For Tuna Fish. MONTEVERDE, ROLANDELLI & PARODI, INC., San Francisco, Calif. Published January 5, 1927.

32,075.—*Title:* LYK-WYTE. For a Skin Bleach. SIDNEY W. NEIGHBORS, doing business as D N T Laboratories, Inc., Los Angeles, Calif. Published April 28, 1926.

32,076.—*Title:* PABST AA. For Malt Sirup for Food and Beverage Purposes. PABST CORPORATION, Milwaukee, Wis. Published March 26, 1927.

32,077.—*Title:* SEE IT IN GLASS—BUY IT IN TIN! For Canned Pears. J. M. PAVER COMPANY, Chicago, Ill. Published February 1, 1927.

32,078.—*Title:* LILACKO SPRAY. For Insecticides and Deodorants. RAYMOND MANUFACTURING CO., INC., San Francisco, Calif. Published March 1, 1927.

32,079.—*Title:* CROSS COUNTRY MALT SYRUP. For Hop-Flavored Malt Sirup. ROCK ISLAND BREWING COMPANY, Rock Island, Ill. Published January 1, 1927.

32,080.—*Title:* RADIUM—THE BETTER BLADE. For Razor Blades and Safety-Razor Blades. OTTO ROTH, INC., Newark, N. J. Published February 1, 1927.

32,081.—*Title:* MRS. SCHAEFER'S DELICIOUS. For Cake. MRS. SCHAEFER'S CAKES, INC., Los Angeles, Calif. Published March 1, 1927.

32,082.—*Title:* KERRY PATCH. For Tire Patch. ALBERT E. SCHLESINGER, doing business as Kerry Tube & Tire Patch Co., St. Louis, Mo. Published October 6, 1926.

32,083.—*Title:* THE STARRY PUZZLER. For a Puzzle. JOHN M. SCHNEIDER, Detroit, Mich. Published March 10, 1927.

32,084.—*Title:* SNIDER'S. For Canned Corn. THE T. A. SNIDER PRESERVE CO., Rochester, N. Y., and Chicago, Ill. Published February 15, 1927.

32,085.—*Title:* KLEAN KANS. For Paper Bags Used for Liners of Garbage Pails. NAT. L. SOLOMON, New York, N. Y. Published February 14, 1924.

32,086.—*Title:* 10A. HAEMOZON. For Medical Preparation. JOHN R. STEOB, Big Cedar Lake, West Bend Post Office, Wis. Published February 4, 1927.

32,087.—*Title:* THOMPSON'S CHOCOLATE FLAVOR EGG MALTED MILK. For Egg Malted Milk. THOMPSON'S MALTED FOOD COMPANY, Waukesha, Wis. Published February 16, 1927.

32,088.—*Title:* BORIC-CIDE. For Skin and Scalp Remedy. ROBERT C. WARD, doing business as Boric-Cide Laboratories, North Little Rock, Ark. Published February 1, 1927.

32,089.—*Title:* DR. WILLSON'S DUST AND SPRAY MASK. For Respirators. WILLSON GOGGLES, INC., Reading, Pa. Published June 9, 1924.

32,090.—*Title:* WHIPPED CREAM CARAMELS. For Candy. ASHFORD M. WOOD, Chicago, Ill. Published Mar. 17, 1927.

PRINTS

REGISTERED MAY 10, 1927.

9,815.—*Title:* RADIANT HEAT FURNACES. For Carborundum Furnaces. ALCORN COMBUSTION COMPANY, Philadelphia, Pa. Published January 19, 1927.

9,816.—*Title:* AZURINE. For Lenses. AMERICAN SPECTACLE CO. INC., New York, N. Y. Published March 25, 1927.

9,817.—*Title:* OUR COTTON MILL AND VILLAGE. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 21, 1927.

9,818.—*Title:* OVER 60 SIZES FOR WIDELY VARYING BUILDS. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 21, 1927.

9,819.—*Title:* BREADWINNER HARNESS—A BOYT MADE HARNESS AT A LOW PRICE. For Harnesses. THE BOYT COMPANY, Des Moines, Iowa. Published February 1, 1927.

9,820.—*Title:* THE BOYT HARNESS, THE STANDARD WORK HARNESS OF AMERICA. For Harnesses. THE BOYT COMPANY, Des Moines, Iowa. Published February 1, 1927.

9,821.—*Title:* DENTAL HEALTH. For a Dental Kit Comprising a Carton Including Dental Supplies. RUSSELL H. BROWN, Kingston, Pa. Published September 15, 1926.

9,822.—*Title:* LEAVE YOUR FOOT PAINS WITH US. For Foot Appliances. CORRECTIVE FOOT APPLIANCE COMPANY, Long Beach, Calif. Published March 21, 1927.

9,823.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. THE D & C CO., INC., Wilmington, Del., and Brooklyn, N. Y. Published March 13, 1927.

9,824.—*Title:* SETAGENE HAIR SETTING LOTION. For Hair Preparations. EUGENE LTD., New York, N. Y. Published November 1, 1924.

9,825.—*Title:* JORDAN TRACK OILERS' SPRAYING MACHINE. For Track Oiler and Spraying Machines. O. F. JORDAN COMPANY, East Chicago, Ind. Published February 7, 1927.

9,826.—*Title:* THE KUM-4-ETT—A PART OF MI-LADY'S WARDROBE! For Sanitary Garments. JULIA PERLSWEIG, doing business as Julian Products Co., Yonkers, N. Y. Published March 11, 1927.

9,827.—*Title:* THE SOAP PLANT OF THE WEST. For Sayman's Vegetable Wonder Soap. T. M. SAYMAN PRODUCTS COMPANY, St. Louis, Mo. Published May 10, 1925.

9,828.—*Title:* HEAD COLD GOES THIS EASY WAY—MISTOL. For Nose and Throat Spray. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published February 1, 1927.

9,829.—*Title:* GRACE TANCILL TWO-PIECE JERSEY DRESS MODEL VII. For Dresses. GRACE TANCILL, St. Louis, Mo. Published March 26, 1927.

9,830.—*Title:* GRACE TANCILL JERSEY SUIT MODEL VIII. For Dresses. GRACE TANCILL, St. Louis, Mo. Published March 26, 1927.

9,831.—*Title:* AROTROL. For Device to be Attached to the Aerial Circuit of a Radio or to the Aerial Circuit of a Radio Set and to the Ground Circuit. LEON P. TENNEY, San Francisco, Calif. Published March 15, 1927.

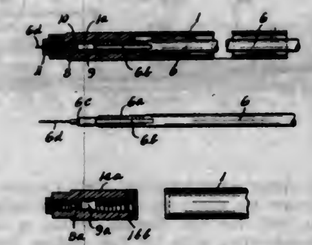
9,832.—*Title:* THE UNIVERSAL COOLER FILLS A UNIVERSAL NEED. For Automatic Refrigerating Units. UNIVERSAL COOLER CORPORATION, Detroit, Mich. Published June 18, 1926.

9,833.—*Title:* THE UNIVERSAL COOLER FILLS A UNIVERSAL NEED. For Automatic Refrigerating Units. UNIVERSAL COOLER CORPORATION, Detroit, Mich. Published June 18, 1926.

REISSUES

MAY 10, 1927.

16,617. ADJUSTING VALVE AND METHOD OF MAKING THE SAME. ANDREW GREEN, Albert Lea, Minn., assignor to American Gas Machine Company, Inc., Albert Lea, Minn., a Corporation of Minnesota. Filed Mar. 25, 1927. Serial No. 178,492. Original No. 1,613,323, dated Jan. 4, 1927, Serial No. 672,857, filed Nov. 5, 1923. 4 Claims. (Cl. 29—157.)



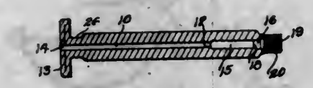
4. The method of making a combined vaporizing tube and valve for a liquid hydrocarbon stove which consists in providing a comparatively long piece of tubing, forming a solid cylindrical plug of much shorter length, forming a bore in said plug and forming a valve seat therein and forming a small bore extending from said valve seat, said first mentioned bore being of smaller diameter than the internal diameter of said tube and then welding one end of said tube and the end of said plug having the first mentioned bore therein together so as to leave the bores therein unobstructed, thus forming an integral conduit having a bore throughout the length thereof, and providing a valve stem adapted to extend through said conduit and having a valve thereon cooperating with said valve seat.

16,618. PAD HOLDER. JOHN B. KEMP, Ridgewood, N. J., assignor to Clark Loose Leaf Manufacturing Company, a Corporation of New York. Filed Mar. 17, 1927. Serial No. 176,269. Original No. 1,534,124, dated Apr. 21, 1925, Serial No. 695,217, filed Feb. 26, 1924. 10 Claims. (Cl. 129—13.)



10. In a device of the character described, a base, a pad positioned on said base, said pad having spaced-apart perforations adjacent one end thereof, corresponding perforations in said base, bolts passing through the perforations of the base and the pad, and adjustable socketed retaining legs on the ends of the bolts below the base and providing securing means for the pad, and supporting means for the base, said legs being provided at the lower end with a member made of a material which will give the device a firm support and frictional contact with the support and prevent it from moving or slipping when being written upon.

16,619. METHOD OF MANUFACTURING VALVE STEMS. ALEXANDER W. LIMONT, Bridgeport, Conn. Filed Aug. 25, 1924, Serial No. 734,130. Original No. 1,446,468, dated Feb. 27, 1923, Serial No. 484,511, filed July 13, 1921. 15 Claims. (Cl. 29—157.)



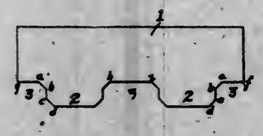
7. The process of making a tire valve stem or the like, which comprises folding over upon itself the wall of a piece of tubular stock at one end thereof to form a flat disk-like head, comprising a plurality of layers of material.

16,620. METHOD OF MAKING VALVE STEMS. ALEXANDER W. LIMONT, Bridgeport, Conn. Filed Aug. 25, 1924. Serial No. 734,132. Original No. 1,446,470, dated Feb. 27, 1923, Serial No. 514,589, filed Nov. 12, 1921. 20 Claims. (Cl. 29—157.)



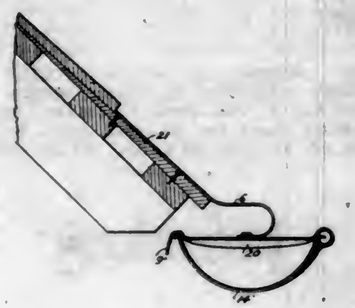
11. The method of forming a valve stem from a hollow drawn metal body closed at one end, which comprises shaping the open end of the body to form a head while maintaining an opening therethrough, cutting off and reducing the diameter of the closed end and threading the last named end internally and externally.

16,621. STRIP SHINGLE. LEON BUSHA, Minneapolis, Minn., assignor to William Edwin Nelson, Minneapolis, Minn. Filed May 28, 1925. Serial No. 33,562. Original No. 1,533,969, dated Apr. 14, 1925, Serial No. 692,157, filed Feb. 11, 1924. 4 Claims. (Cl. 108—8.)



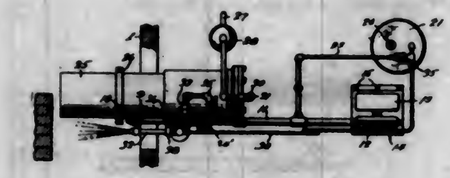
1. A strip shingle comprising a body portion and each shingle having a plurality of separated butts projecting from one edge thereof, the butts being connected with the body portion at the base by inclined lines, said butts also having vertical side edges, the ends of the butts being correspondingly shaped with adjacent separating spaces and the distance from the point where the outer inclined line of one butt joins the body portion to the end of the shingle being equal to the distance from the point where the outer inclined line of the other butt joins the body portion to the end of the shingle strip.

16,622. GUTTER HANGER. CHARLES MEUNIER, Great Neck, N. Y. Filed Mar. 30, 1927. Serial No. 179,683. Original No. 1,572,745, dated Feb. 9, 1926, Serial No. 614,879, filed Jan. 25, 1923. 3 Claims. (Cl. 108—29.)



1. A gutter hanger for use with a gutter having a beaded edge and comprising a strap having a rigid portion extending transversely between the upper edges of the gutter, said strap having a resilient arched portion at one end of said rigid portion, the resilient arched portion being designed to be bent to snugly fit around the bead of the gutter, said strap also having a cradle portion designed to underlie the gutter, the juncture of the cradle portion and the arched portion being relatively stiff and unyielding, and the cradle portion adjacent the juncture also being sufficiently stiff and unyielding to insure proper bending of the arched portion around and into snug engagement with the bead of the gutter when the cradle portion is moved up against the bottom of the gutter, the end of the cradle portion being engaged with the rigid portion.

16,623. OIL BURNER. WILLIAM WOOD, Glenrock, Wyo., assignor to Perfection Stove Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 15, 1925. Serial No. 30,625. Original No. 1,431,074, dated Oct. 3, 1922, Serial No. 533,446, filed Feb. 1, 1922. 6 Claims. (Cl. 158—75.)

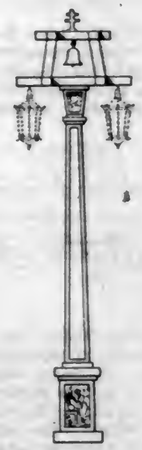


1. An oil burner comprising fuel feeding means, a main burner, a retort for supplying steam to the main burner for mixture with the fuel flowing therein, a secondary burner communicating with the fuel feeding means, and means connected to said main burner for automatically varying the proportion of the heat of the main burner flame which is applied to the retort.

DESIGNS

MAY 10, 1927.

72,583. LAMP-POST OR SIMILAR ARTICLE. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,423. Term of patent 14 years.



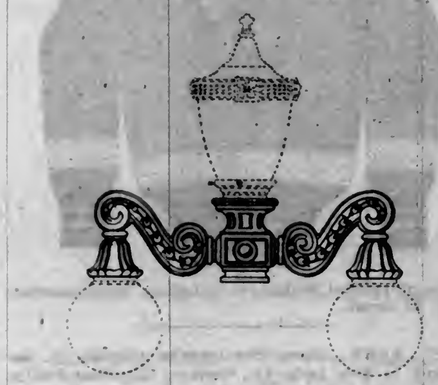
The ornamental design for a lamp post or similar article, as shown.

72,584. LIGHTING-STANDARD CAPITAL. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,424. Term of patent 14 years.



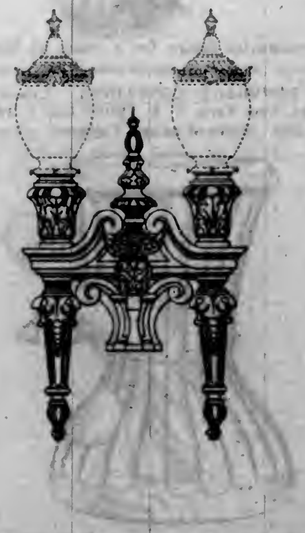
The ornamental design for a lighting standard capital, as shown.

72,585. LIGHTING-STANDARD CAPITAL. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,425. Term of patent 14 years.



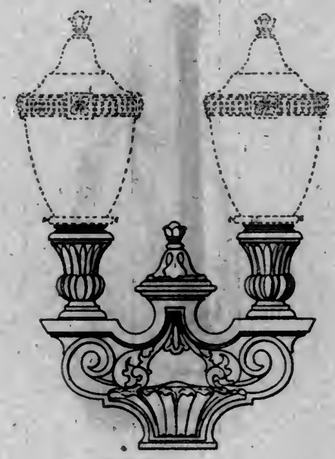
The ornamental design for a lighting standard capital as shown.

72,586. LIGHTING-STANDARD CAPITAL. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,426. Term of patent 14 years.



The ornamental design for a lighting standard capital as shown.

72,587. LIGHTING-STANDARD CAPITAL. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,427. Term of patent 14 years.



The ornamental design for a lighting standard capital, as shown.

72,588. LIGHTING STANDARD. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,428. Term of patent 14 years.



The ornamental design for a lighting standard, as shown.

72,589. LAMP-POST OR SIMILAR ARTICLE. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,429. Term of patent 14 years.



The ornamental design for a lamp post or similar article, as shown.

72,590. COMBINATION POST AND LIGHTING STANDARD. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Feb. 6, 1926. Serial No. 16,431. Term of patent 14 years.



The ornamental design for a combination post and lighting standard, as shown.

72,591. KNITTED BLOUSE. SIMON BRAUNSTEIN, Brooklyn, N. Y. Filed Feb. 26, 1927. Serial No. 20,911. Term of patent 3½ years.



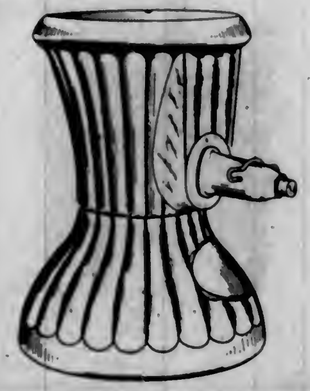
The ornamental design for a knitted blouse substantially as shown.

72,592. LAMP. HARRY CHRISTENSEN, Chicago, Ill., assignor to Elite Lamp Co., Chicago, Ill. Filed Feb. 1, 1926. Serial No. 16,353. Term of patent 3½ years.



The ornamental design for a lamp, as shown.

72,593. BEVERAGE CONTAINER. CHRISTOPHER M. CORDLEY, New York, N. Y. Filed July 7, 1926. Serial No. 18,265. Term of patent 7 years.



The ornamental design for a beverage container, as shown.

72,594. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,069. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,595. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,070. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,596. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,071. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,597. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,072. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,598. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,073. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,599. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,074. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,600. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,075. Term of patent 7 years.



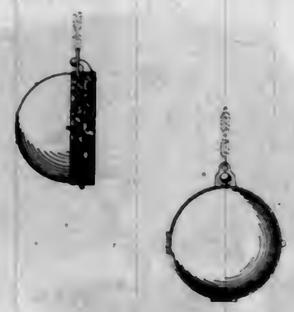
The ornamental design for a flower holder, as shown.

72,601. FLOWER HOLDER. R GUY COWAN, Lakewood, Ohio. Filed Mar. 27, 1926. Serial No. 17,076. Term of patent 7 years.



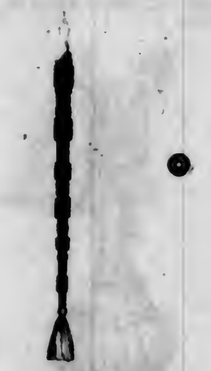
The ornamental design for a flower holder, as shown.

72,602. VANITY CASE. CLAUD L. COYLE, Clarence, Mo. Filed Mar. 14, 1927. Serial No. 21,144. Term of patent 7 years.



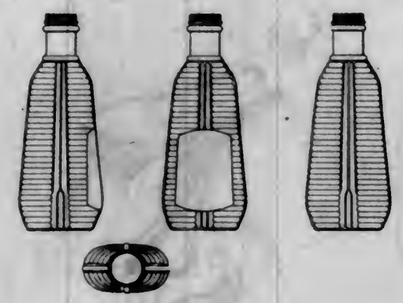
The ornamental design for a vanity case as shown.

72,603. PENHOLDER OR SIMILAR ARTICLE. FRANK DI IONNO, Millburn, N. J. Filed Feb. 19, 1927. Serial No. 20,820. Term of patent 14 years.



The ornamental design for a penholder or similar article, as shown.

72,604. BOTTLE. JOHN W. DISSETTE, Chicago, Ill., assignor to Ward's Products Co., Inc., Chicago, Ill. Filed Oct. 28, 1926. Serial No. 19,508. Term of patent 14 years.



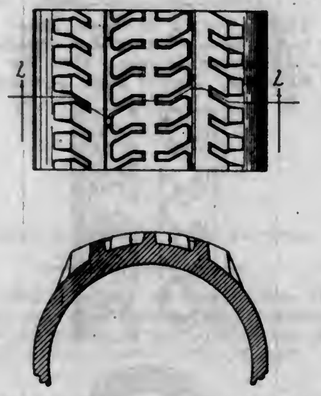
The ornamental design for a bottle as shown.

72,605. STATUETTE OR SIMILAR ARTICLE. WILLIAM H. FULPER, Flemington, N. J. Filed Jan. 17, 1923. Serial No. 4,899. Term of patent 3½ years.



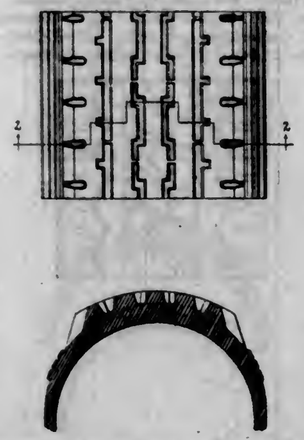
The ornamental design for a statuette or similar article, as shown.

72,606. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,038. Term of patent 14 years.



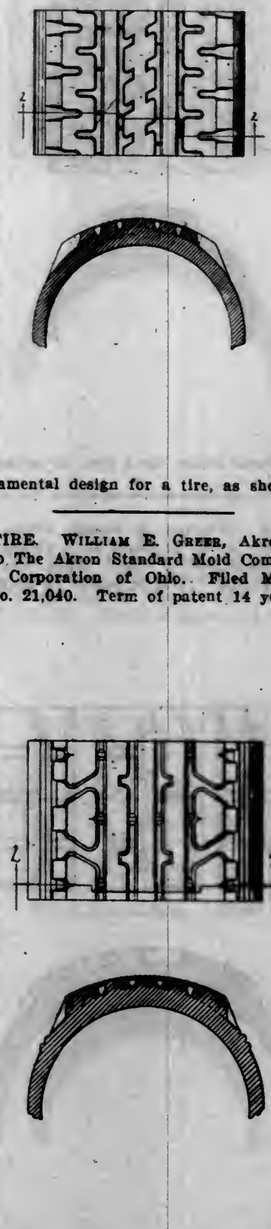
The ornamental design for a tire, as shown.

72,607. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,035. Term of patent 14 years.



The ornamental design for a tire, as shown.

72,608. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,036. Term of patent 14 years.

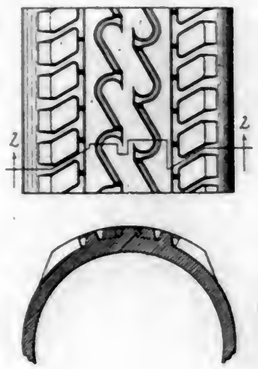


The ornamental design for a tire, as shown.

72,609. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,040. Term of patent 14 years.

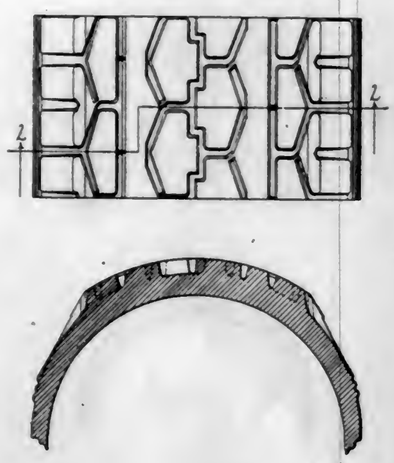
The ornamental design for a tire, as shown.

72,610. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,041. Term of patent 14 years.



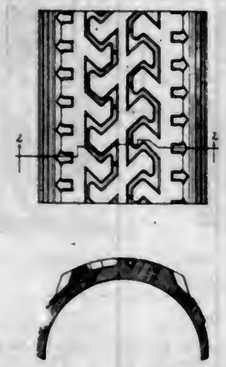
The ornamental design for a tire, as shown.

72,611. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,044. Term of patent 14 years.



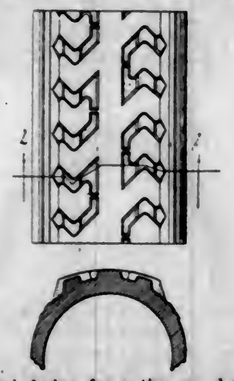
The ornamental design for a tire, as shown.

72,612. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,047. Term of patent 14 years.



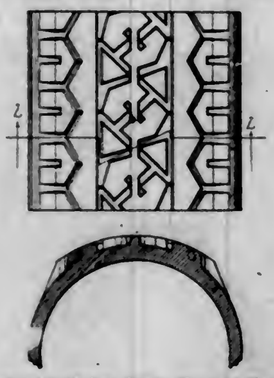
The ornamental design for a tire, as shown.

72,613. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,048. Term of patent 14 years.



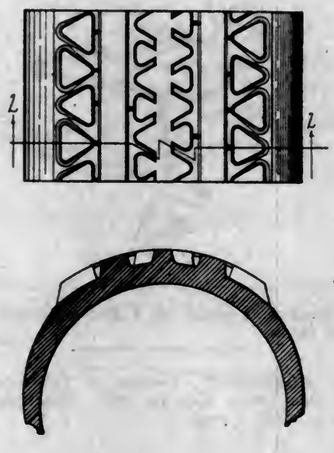
The ornamental design for a tire, as shown.

72,614. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,049. Term of patent 14 years.



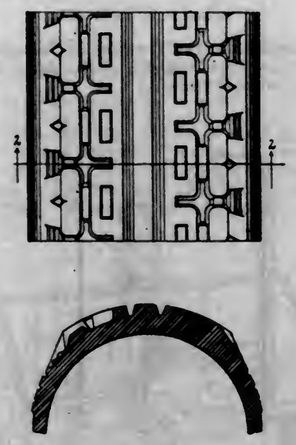
The ornamental design for a tire, as shown.

72,615. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,050. Term of patent 14 years.



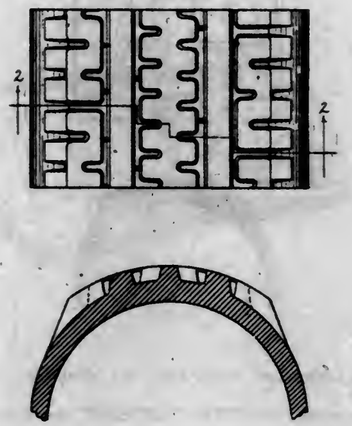
The ornamental design for a tire, as shown.

72,616. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,054. Term of patent 14 years.



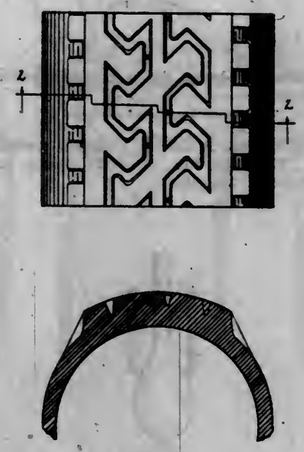
The ornamental design for a tire, as shown.

72,617. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,055. Term of patent 14 years.



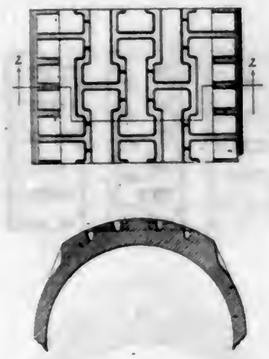
The ornamental design for a tire, as shown.

72,618. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,056. Term of patent 14 years.



The ornamental design for a tire, as shown.

72,619. TIRE. WILLIAM E. GREER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 8, 1927. Serial No. 21,058. Term of patent 14 years.



The ornamental design for a tire, as shown.

72,620. PERFUME BOTTLE. GEORGE GRUNBERG, New York, N. Y. Filed Feb. 3, 1927. Serial No. 20,602. Term of patent 3½ years.



The ornamental design for a perfume bottle substantially as shown.

72,621. PERFUME BOTTLE. GEORGE GRUNBERG, New York, N. Y. Filed Feb. 3, 1927. Serial No. 20,603. Term of patent 3½ years.



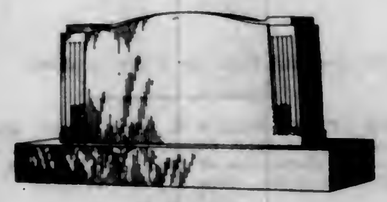
The ornamental design for a perfume bottle substantially as shown.

72,622. PERFUME BOTTLE. GEORGE GRUNBERG, New York, N. Y. Filed Feb. 3, 1927. Serial No. 20,604. Term of patent 3½ years.



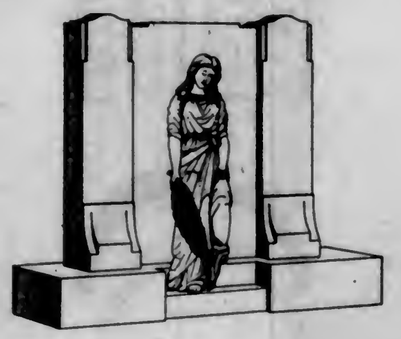
The ornamental design for a perfume bottle substantially as shown.

72,623. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio. Filed Mar. 18, 1927. Serial No. 21,200. Term of patent 7 years.



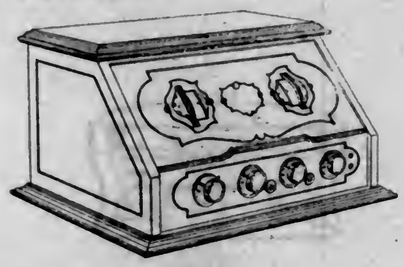
The ornamental design for a monument as shown.

72,624. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio. Filed Mar. 18, 1927. Serial No. 21,201. Term of patent 7 years.



The ornamental design for a monument as shown.

72,625. RADIOCABINET. VERNON D. LANDON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1926. Serial No. 17,264. Term of patent 3½ years.



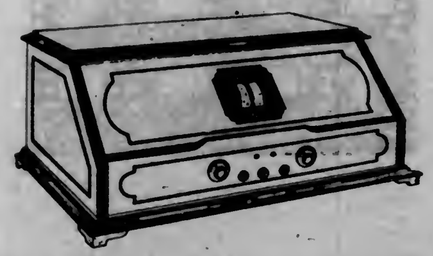
The ornamental design for a radiocabinet as shown.

72,626. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. ERNEST M. MAGEE, Providence, R. I. Filed Feb. 9, 1927. Serial No. 20,664. Term of patent 3½ years.



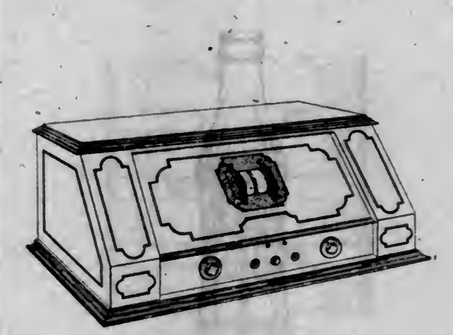
The ornamental design for a textile fabric or similar article of manufacture, as shown.

72,627. RADIOCABINET. EDWARD B. MALLORY, Tenafly, N. J., and ALBERT ROTH, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 17,028. Term of patent 3½ years.



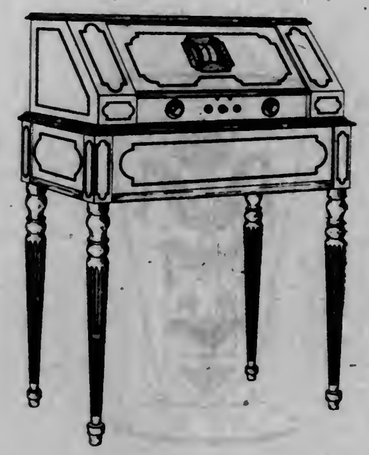
The ornamental design for a radiocabinet as shown.

72,628. RADIOCABINET. EDWARD B. MALLORY, Tenafly, N. J., and ALBERT ROTH, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 17,030. Term of patent 3½ years.



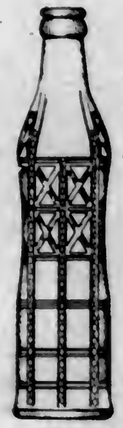
The ornamental design for a radiocabinet as shown.

72,629. RADIOCABINET. EDWARD B. MALLORY, Tenafly, N. J., and ALBERT ROTH, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 17,032. Term of patent 3½ years.



The ornamental design for a radiocabinet as shown.

72,630. BOTTLE. JOHN CALVIN MAY, Augusta, Ga. Filed Jan. 10, 1927. Serial No. 20,328. Term of patent 3½ years.



The ornamental design for a bottle substantially as shown.

72,631. GOBLET OR SIMILAR ARTICLE. CHARLES O. NORTHWOOD, Corning, N. Y., assignor to United States Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 20, 1926. Serial No. 19,125. Term of patent 14 years.



The ornamental design for a goblet or similar article substantially as shown and described.

72,632. LUG FOR CASKET HANDLES. GUSTAV C. PAHLOW, Galesburg, Ill., assignor to Victor Casket Hardware Co., Galesburg, Ill. Filed Oct. 28, 1926. Serial No. 19,506. Term of patent 7 years.



The ornamental design for a lug for casket handles, as shown.

72,633. BOX COVER PAPER. ANNA PISTORIUS, Chicago, Ill., assignor to Theodore A. Schmidt Lithographing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1927. Serial No. 20,763. Term of patent 7 years.



The ornamental design for a box cover paper as shown.

72,634. LAMP. THOMAS E. POWERS, New York, N. Y. Filed Feb. 16, 1927. Serial No. 20,786. Term of patent 7 years.



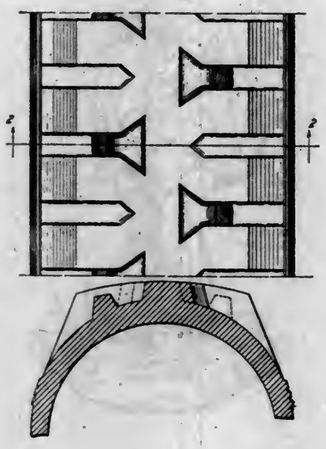
The ornamental design for lamp substantially as shown.

72,635. GOBLET. RICHARD I. RATNER, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 1, 1926. Serial No. 19,893. Term of patent 7 years.



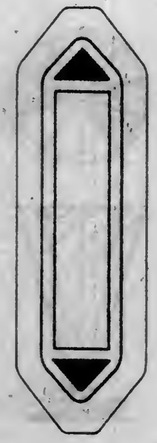
The ornamental design for a goblet, as shown.

72,636. TIRE. HAROLD D. REICHARD, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 23, 1925. Serial No. 12,131. Term of patent 14 years.



The ornamental design for a tire as shown.

72,637. TABLE SCARF. MORRIS SAVITZKY, New York, N. Y. Filed Jan. 14, 1927. Serial No. 20,881. Term of patent 7 years.



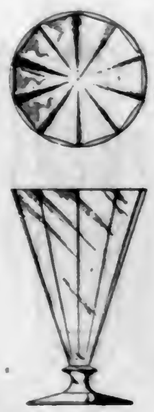
The ornamental design for a table scarf, substantially as shown.

72,638. FLOWER HOLDER. WALTER ALEXANDER SINZ, Cleveland, Ohio, assignor to R Guy Cowan, Lakewood, Ohio. Filed Mar. 29, 1926. Serial No. 17,097. Term of patent 7 years.



The ornamental design for a flower holder, as shown.

72,639. GOBLET OR THE LIKE. FERDINAND SCHMIDT, Des Moines, Iowa, assignor to Fred C. Reimer Co. Inc., New York, N. Y., a Corporation of New York. Filed Oct. 7, 1926. Serial No. 19,265. Term of patent 7 years.



The ornamental design for a goblet or the like, as shown.

72,640. DOLL. CHARLES STEIN and WILLIAM M. HELLER, Atlantic City, N. J. Filed Feb. 2, 1927. Serial No. 20,590. Term of patent 3½ years.



The ornamental design for a doll as shown.

72,641. DISH OR ANALOGOUS ARTICLE. HARRY WALLACE THOMAS, Indiana, Pa. Filed Mar. 12, 1927. Serial No. 21,121. Term of patent 7 years.



The ornamental design for a dish or analogous article, as shown.

72,642. HEXAGONAL COSMETIC BOX. HELENA J. TITUS, New York, N. Y. Filed Feb. 7, 1927. Serial No. 20,641. Term of patent 7 years.



The ornamental design for a hexagonal cosmetic box, as shown and described.

72,643. CHANDELIER. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Harry Hilfman, New York, N. Y. Filed Feb. 24, 1927. Serial No. 20,880. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

72,644. CHANDELIER. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Harry Hilfman, New York, N. Y. Filed Feb. 24, 1927. Serial No. 20,879. Term of patent 3½ years.



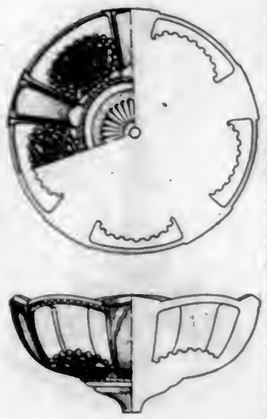
The ornamental design for a chandelier, as shown.

72,645. ADAPTER FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Harry Hilfman, New York, N. Y. Filed Feb. 24, 1927. Serial No. 20,884. Term of patent 3½ years.



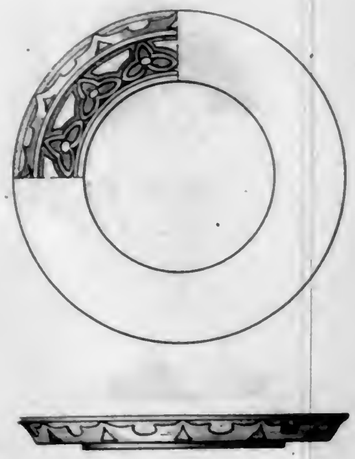
The ornamental design for an adapter for lighting fixtures or similar articles, as shown.

72,646. FIXTURE BODY FOR A LIGHTING FIXTURE OR SIMILAR ARTICLES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Harry Hilfman, New York, N. Y. Filed Feb. 24, 1927. Serial No. 20,883. Term of patent 3½ years.



The ornamental design for a fixture body for a lighting fixture or similar articles, as shown.

72,647. CANOPY RING FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Harry Hilfman, New York, N. Y. Filed Feb. 24, 1927. Serial No. 20,882. Term of patent 3½ years.



The ornamental design for a canopy ring for lighting fixtures or similar articles, as shown.

72,648. BEVERAGE CONTAINER. NATHAN WEIDNER, Brooklyn, N. Y. Filed Mar. 11, 1927. Serial No. 21,090. Term of patent 3½ years.



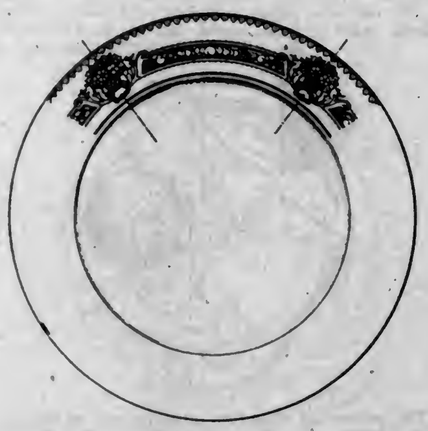
The ornamental design for a beverage container, as shown.

72,649. PLATE OR SIMILAR ARTICLE. GEORGE WEBB, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,579. Term of patent 3½ years.



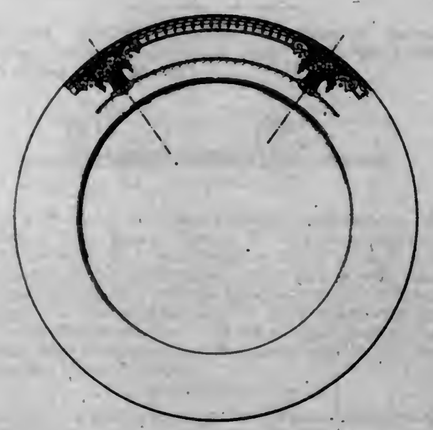
The ornamental design for a plate or similar article, as shown.

72,650. PLATE OR SIMILAR ARTICLE. GEORGE WEBB, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,580. Term of patent 7 years.



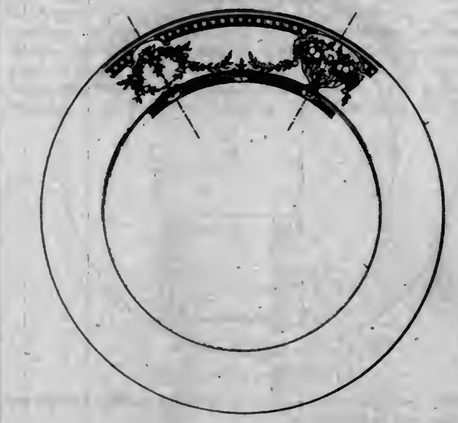
The ornamental design for a plate or similar article, as shown and described.

72,651. PLATE OR SIMILAR ARTICLE. GEORGE WEBB, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,581. Term of patent 3½ years.



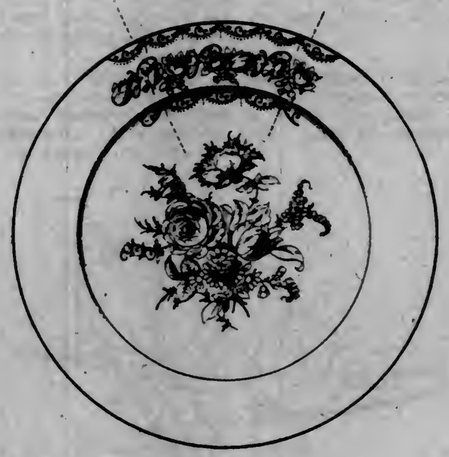
The ornamental design for a plate or similar article, as shown and described.

72,652. PLATE OR SIMILAR ARTICLE. GEORGE WEBB, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,582. Term of patent 7 years.



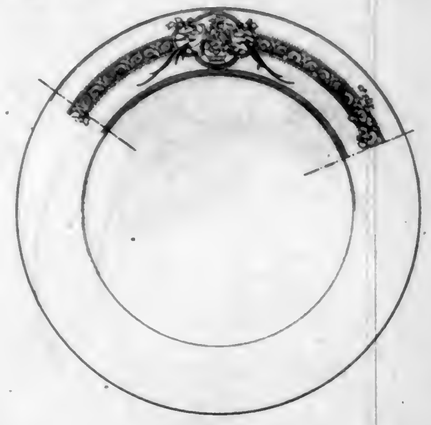
The ornamental design for a plate or similar article, as shown and described.

72,653. PLATE OR SIMILAR ARTICLE. GEORGE WEBB, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,583. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown and described.

72,654. PLATE OR SIMILAR ARTICLE. GEORGE WEBB, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,584. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown and described.

72,655. VANITY CASE. ALBERT FRENCH, St. Louis, Mo. Filed Mar. 14, 1927. Serial No. 21,145. Term of patent 7 years.



The ornamental design for a vanity case as shown.

PATENTS

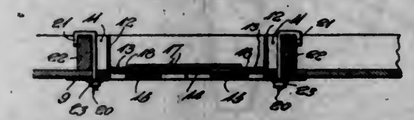
GRANTED MAY 10, 1927.

1,627,547. VENDING MACHINE. ALFRED D. ANTOINE, Chicago, and ALBERT E. GERBERT, Wilmette, Ill., assignors to Advance Machine Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1924. Serial No. 721,446. 6 Claims. (Cl. 211—8.)



1. A rotatable commodity carrier for vending machines and the like including a body having a compartment therein having an open top and an open side, a casing in which the carrier rotates, the wall of the casing standing in close proximity to the periphery of the carrier and operating to maintain the commodity in the carrier against discharge through the open side of the carrier, said casing having a discharge opening through which the article may be delivered from the compartment at a predetermined time in the rotation of the carrier, there being an additional opening in the casing wall into register with which the compartment is movable, said opening being of a height substantially equal to the height of the compartment and of a width considerably less than the width of the compartment, and means for arresting the movement of the carrier when the said compartment is in alinement with the last recited opening.

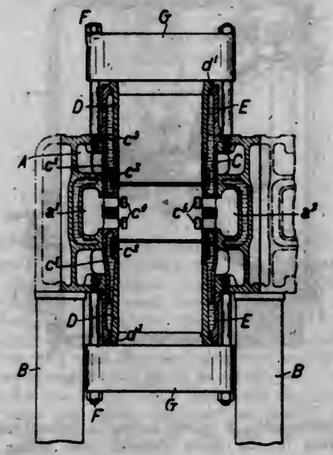
1,627,548. GRANARY DOOR. BENEDICT S. BADURA, Lincoln, Nebr. Filed June 1, 1926. Serial No. 113,059. 3 Claims. (Cl. 20—16.)



1. A device of the class described comprising a door frame, a door hinged thereto for downward and outward swinging to a position at which it projects from the lower end of said frame, and a pair of side wings hinged to said door and projectable laterally therefrom beyond the side members of the frame when said door is in its downwardly and outwardly swung position, said wings being overlapped at the inner side of the door when the latter is closed.

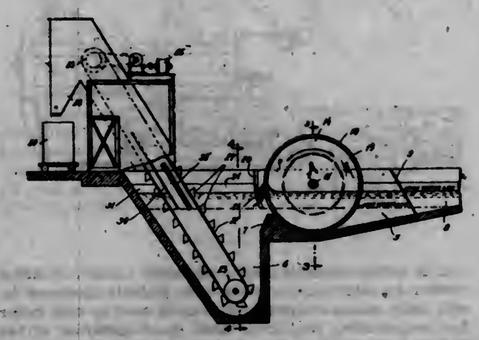
1,627,549. CYLINDER FOR INTERNAL-COMBUSTION ENGINES. HEINRICH BECKER, Kiel-Hassee, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Filed May 18, 1926, Serial No. 110,004, and in Germany June 20, 1925. 1 Claim. (Cl. 123—61.)

In a vertical double-acting two-stroke internal combustion engine; a cylinder, a piece supporting the cylinder, scavenging passages lodged in said supporting piece, said cylinder comprising a double-walled middle piece having ports for scavenging air corresponding to said passages of the supporting piece, the outer wall of said middle piece corresponding in length to said supporting piece, a flange connection between the upper ends of said supporting piece and said middle piece, two jackets forming a prolongation each of the outer wall of said



middle piece, two liners forming prolongations of the inner walls of said middle piece, flange connections between the outer ends of said jackets and said liners, connections between the inner ends of said liners and the inner wall of said middle piece adapted to permit free expansion of said liners with relation to said middle piece, covers abutting against the outer ends of said liners and screw bolts connecting said covers to said supporting piece.

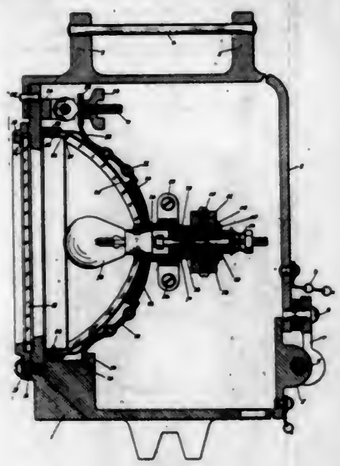
1,627,550. SEPARATION OF SOLIDS FROM LIQUIDS. FRANK BACHMANN, New York, N. Y., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 26, 1923. Serial No. 628,199. 26 Claims. (Cl. 210—196.)



1. In an apparatus for removing solid particles from liquid containing the same, the combination of a rotatable

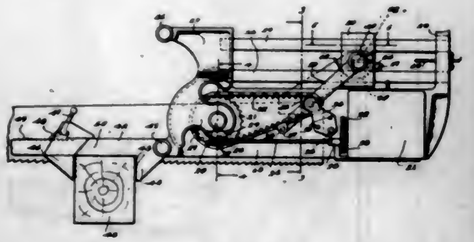
screen and means disposed outside the screen in spaced relation and cooperating therewith to prevent the accumulation of solid particles on the screen by the sweeping action of a current below the surface of the liquid.

1,627,551. ELECTRIC LAMP. LEON S. BRACH, East Orange, N. J., assignor to L. S. Brach Manufacturing Co., Newark, N. J. Filed June 5, 1925. Serial No. 35,441. 3 Claims. (Cl. 240—41.)



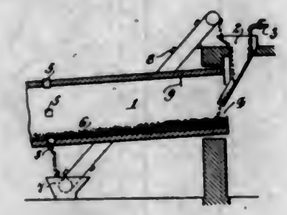
1. In combination, a casing having a transparent member mounted in the front thereof, said casing having at least one fixed and one adjusting anchorage means, a reflector, a shell carrying the reflector, a ring attached to the shell and having a part engaging the edge of the reflector for holding it in position within the shell, cushioning means cooperating betweeen the shell, ring and front of said casing to insure a substantially tight joint around the front part of the reflector, at least, two metal members attached to the shell, one of said members engaging said fixed anchorage and the other said adjusting anchorage on the casing, a lamp socket carried by said shell and adapted to carry a lamp within said reflector.

1,627,552. MOTOR-OPERATED SAW. MAYO CLODFELTER, Detroit, Mich. Filed Apr. 9, 1925. Serial No. 21,837. 3 Claims. (Cl. 143—68.)



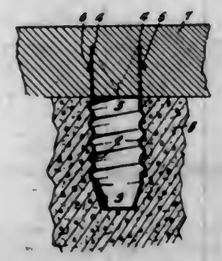
1. A motor operated saw comprising a body, a motor carried by said body, a cross head slidably mounted on said body, means connecting said cross head to said motor for reciprocating said cross head upon operation of the motor, a shaft extending from one side of said cross head; a saw blade pivotally carried by said shaft, an electric switch carried by said body and in circuit with said electric motor, and an arm pivotally carried by said shaft and adapted to be engaged by said saw blade after the same has completed its cut for moving a portion of said arm to a position to engage said electric switch for breaking the circuit to said motor.

1,627,553. METHOD OF TREATING WET RAW MATERIALS IN THE MANUFACTURE OF CEMENT. JOHAN SIGISMUND FASTING, Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Original application filed Nov. 30, 1923, Serial No. 677,617, and in Denmark Dec. 22, 1922. Divided and this application filed Apr. 9, 1925. Serial No. 21,790. 4 Claims. (Cl. 222—1.)



1. In the continuous process of treating wet cement-forming raw materials in a kiln by the direct action thereon of a current of products of combustion maintained through the kiln in a direction towards its inlet end so as to create therein a highly heated zone, utilizing the waste heat of the kiln to heat heat-transmitting bodies, mingling the heat-transmitting bodies so heated with the wet raw material to evaporate the moisture therefrom before it is subjected to the heat of said highly heated zone and delivering the dried and raw material to said hightly heated zone, the heat transmitting bodies being again subjected to the waste heat.

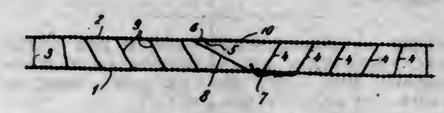
1,627,554. SOCKET OR RECEPTACLE FOR CONCRETE WORK. ALVIN S. FISHEL and ELI I. GOULDER, Cleveland, Ohio. Filed June 19, 1925. Serial No. 38,148. 11 Claims. (Cl. 72—105.)



7. A socket or receptacle for the purpose set forth comprising a hollow body having a thread therein for the reception of the thread of a bolt or screw, there being one or more prongs projecting from one end of said body, the opposite end of said body being provided with a frusto-conical head.

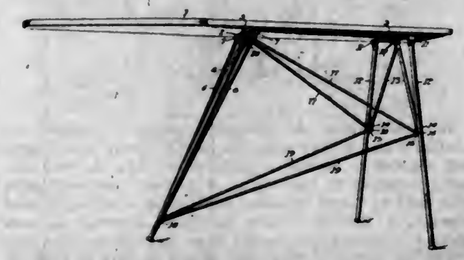
1,627,555. TIRE CHAIN. FREDERICK TAYLOR GAUGE, Wilmington, Del. Filed Apr. 24, 1925. Serial No. 25,472. 4 Claims. (Cl. 152—14.)

2. A tire chain comprising side chains, connections for closing the chain in operative position upon the tire, and cross chains extending between said side chains, the cross chains at one end of the tire chain being slanted in a common direction out of a perpendicular line between said side chains whereby relative lengthwise movement of the side chains at that end of the chain, to bring its



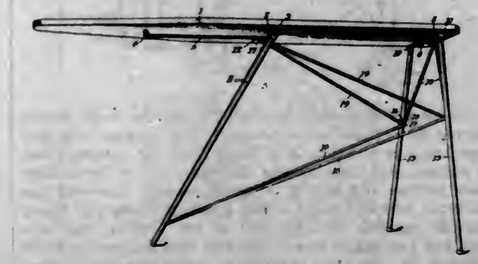
connecting means into accessible position, is possible without decreasing the distance between the side chains at that point.

1,627,556. FOLDING TABLE. HENRY J. GILBERT, Saginaw, Mich. Filed Oct. 15, 1924. Serial No. 743,657. 5 Claims. (Cl. 68—10.)



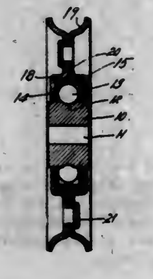
1. In a folding ironing table or the like, a board, a centrally arranged front leg pivotally connected to the board, a pair of rear legs pivotally connected to the board, connecting rod means pivoted to said front leg and also pivotally connected with said rear legs, and a locking rod member pivotally connected with said rear legs intermediate their ends and slidingly connected with said front leg.

1,627,557. FOLDING TABLE. HENRY J. GILBERT, Saginaw, Mich. Filed Oct. 15, 1924. Serial No. 743,658. 5 Claims. (Cl. 68—10.)



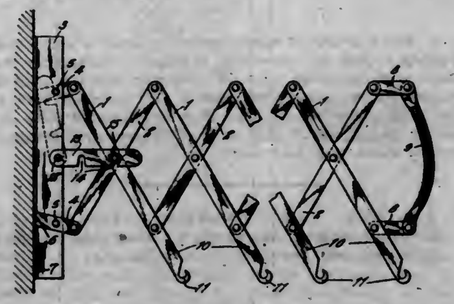
1. A folding table comprising a board equipped with front and rear pivot bearing members, the rear bearing members being arranged in spaced converging relation, a centrally arranged front leg structure pivoted in said front pivot bearing members, a pair of rear legs pivoted in said rear pivot bearing members and adapted to spread outwardly when unfolded, a pair of connecting rods pivoted to said front leg structure near its foot and also pivoted to said rear legs at points intermediate their ends, and a pair of locking truss rods pivoted at one end to said rear legs at said intermediate points, said locking truss rods meeting at their other ends and being equipped with a common connecting member, and a stationary member carried by the table top, said stationary member being disposed adjacent the longitudinal center line of the table top and adjacent the axis of the front leg bearing members and said connecting member being arranged to make interlocked engagement with said stationary member when the legs are in extended position.

1,627,558. SHEAVE. ALBERT C. GRUNWALD, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1924. Serial No. 702,277. 1 Claim. (Cl. 308—190.)



A split wheel or sheave comprising a pair of similarly conformed plates, a hub and a rim for said wheel formed in said plates, said plates having laterally juxtaposed web portions between said hub and rim, the web portion of each plate being provided with a hollow boss having a closed end, said bosses being struck inwardly from said plates, and each plate being further provided with a hole therethrough, the boss on each plate extending through the hole in the other plate, and the outer closed end of each boss being deformed to overlie the other plate at the outer edges of the hole for holding the plates together.

1,627,559. GARMENT HANGER. ROBERT J. HAUL, St. Louis, Mo. Filed May 31, 1924. Serial No. 716,987. 2 Claims. (Cl. 211—17.)

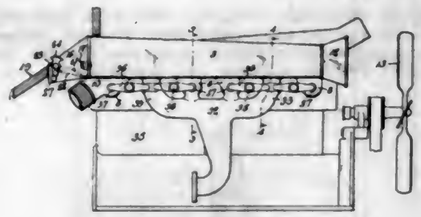


1. A garment rack, comprising, a support adapted for mounting on a wall, and a lazy-tongs having pivotal connections with said support, certain members of said lazy-tongs being extended beyond others and provided with suspension means, whereby the weight of the suspended articles tends to retract said lazy-tongs.

1,627,560. CAR HEATER. HENRY HELLWIG, Milwaukee, Wis., assignor to Helsen Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 17, 1924. Serial No. 686,893. 6 Claims. (Cl. 257—241.)

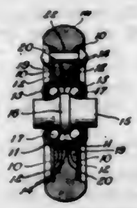
1. A device of the character described comprising an exhaust manifold having a longitudinal exhaust gas passage and an air-heating passage adjoining the exhaust

gas passage and having an intake at the front end and an outlet at the rear end to provide for the flow of air through said device in a direction longitudinally thereof, means for controlling the flow of air through said heating passage, and an intake manifold formed integrally with



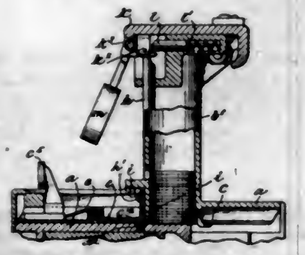
the exhaust manifold which is adapted to impart heat by conduction to the fuel supplied through the intake manifold to an engine modified by air flowing through the air-heating passage, said air-heating passage being partitioned from and out of communication with said exhaust and intake manifolds.

1,627,561. ROLLER. PLINY N. JOSLIN, De Kalb, Ill. Filed Jan. 4, 1924. Serial No. 684,462. 23 Claims. (Cl. 301—63.)



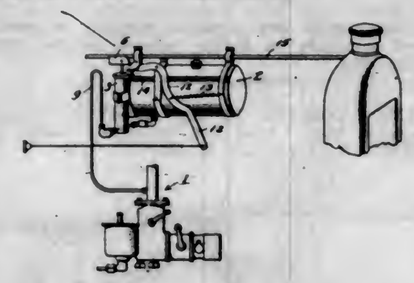
4. As an article of manufacture, a wheel or roller comprising a pair of oppositely arranged substantially flat disks each provided with an inwardly directed annular flange concentric with the disk, a tire provided with an inwardly projecting rib extending between said disks and fitting snugly about and on said flanges, and fastening means connecting said disks.

1,627,562. CHANGE-MAKING DEVICE. FRANCIS KINGSLEY, Pelham Manor, N. Y. Filed Jan. 13, 1925. Serial No. 2,077. 4 Claims. (Cl. 133—1.)



2. In a coin changing device, a support therefor, a plurality of containers for coins, means to eject the coins selectively, a cover for said containers and means movable by the cover upon closing to lock said coin ejecting means and to lock said coin changing device to its support.

1,627,563. AUXILIARY-FUEL DEVICE FOR INTERNAL-COMBUSTION ENGINES. RUDOLPH H. KNAPP, Saginaw, Mich. Filed Mar. 18, 1925. Serial No. 16,405. 1 Claim. (Cl. 123—187.5.)



In combination, an internal combustion engine, an auxiliary fuel supply chamber located above said engine and adapted to contain a liquid other than the fuel normally supplied to the engine, a cylinder communicating with said auxiliary chamber and having a spring-pressed plunger, a tiltable tripper pivotally mounted on said plunger, a manually actuated lever adapted to raise said tripper by sliding engagement therewith and to slide off from and thereby suddenly release said tripper, a valve-controlled pipe connecting said auxiliary chamber and said cylinder, and a second valve-controlled pipe connecting said cylinder and the intake of said engine, a part of said second pipe formed with a loop extending higher than said chamber, for the purposes set forth.

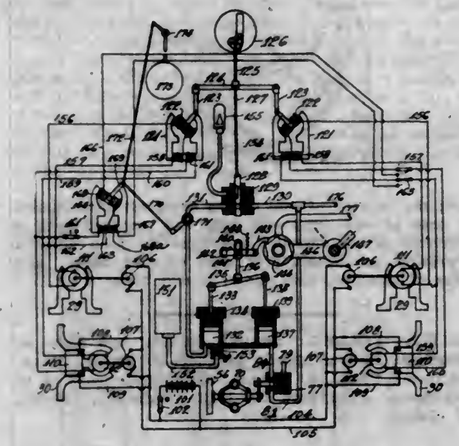
1,627,564. ELECTRIC HEATER FOR CRANK CASES. J. H. LOPER, Lincoln, Nebr. Filed Mar. 27, 1925. Serial No. 18,814. 1 Claim. (Cl. 219—38.)



An electrical heater comprising a tubular body portion having its opposite ends threaded, said tubular body portion being provided with a flange near one threaded end, a contact cap engaging one threaded end of the tubular body portion and having electrical contact therewith and provided with a conical recess, a tubular coupling engaging the opposite threaded end of the tubular body portion and adapted to clamp the same to a support arranged between it and said flange, a bushing having screw-threaded engagement within the outer end of the coupling and longitudinally adjustable therein, a tubular insulator carried within the bushing, a contact element arranged within the tubular insulator and having a conical recess, and a carbon resistance element extending longitudinally within the tubular body portion and having conical ends engaging within the conical recess.

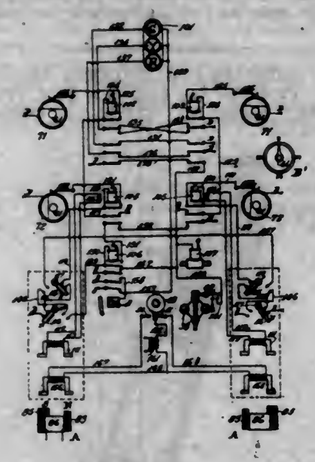
1,627,565. RAILWAY SIGNAL AND TRAIN-CONTROL SYSTEM. MATTHEW H. LOUGHRIDGE, Bogota, N. J. Filed July 22, 1922. Serial No. 576,822. 79 Claims. (Cl. 246—63.)

1. In a train control system, the combination of a track with a vehicle thereon, magnets located on said track at intervals for inductively operating a device on said vehicle, said magnets comprising elongated poles



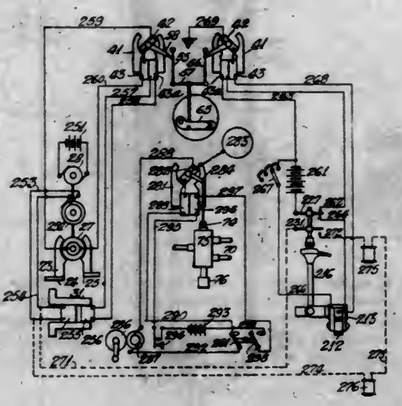
with energizing coils between said poles, said magnets being clamped to the rail of said track and one of said poles being supported by a non-magnetic bracket.

1,627,566. RAILWAY-TRAFFIC-CONTROLLING SYSTEM. MATTHEW H. LOUGHRIDGE, Bogota, N. J. Filed Feb. 9, 1923. Serial No. 618,156. 121 Claims. (Cl. 246—33.)



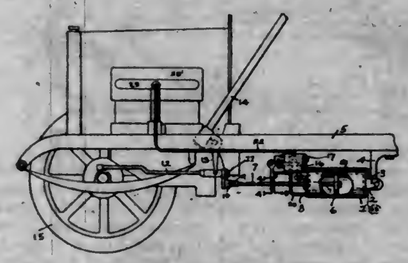
1. In a system of the class described, the combination of a track with a vehicle thereon having a controlling mechanism, means on said track affecting the control of said mechanism, said mechanism comprising a rotating element driven by the movement of said vehicle on the track and a device having a limited movement operated by friction for causing said element to move in one direction when said vehicle runs in either direction.

1,627,567. RAILWAY-TRAFFIC-CONTROLLING SYSTEM AND APPARATUS. MATTHEW H. LOUGHRIDGE, Bogota, N. J. Filed Mar. 23, 1923. Serial No. 627,214. 71 Claims. (Cl. 246—33.)



1. In a railway traffic controlling system, the combination of a track with a vehicle thereon, a magnet on said track having a pair of poles clamped to one rail of said track, a device on said vehicle responsive to said magnet, the terminals of a circuit supported by said rail and a member supported by a pole of said magnet for controlling said circuit.

1,627,568. PNEUMATIC STEERING DEVICE FOR VEHICLES. BETHEL J. MARTIN, San Francisco, Calif. Filed May 4, 1925. Serial No. 27,697. 5 Claims. (Cl. 180—80.)

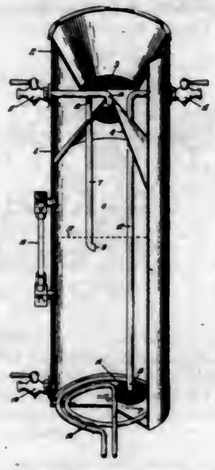


1. A vehicle steering apparatus comprising a cylinder, having a gaseous pressure actuated plunger therein; means to connect said plunger to the vehicle steering apparatus; manual means to start movement of said plunger; and a valve actuated by movement of the plunger to regulate the flow of the gaseous medium to the cylinder to effect continued movement of the plunger.

1,627,569. OIL SEPARATOR. THOMAS KITCHIN MARSICKS, Brakpan, Transvaal, South Africa. Filed Jan. 29, 1925. Serial No. 5,448. 1 Claim. (Cl. 210—43.)

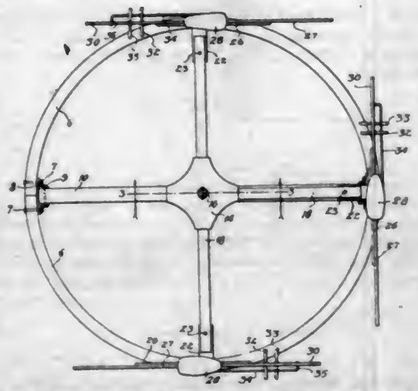
An oil separator comprising a vessel, a conical partition dividing said vessel into an upper receiver and a lower separating chamber, a conduit whereby liquid in the receiver passes into the chamber and places the latter under hydraulic head, the upper end of the conduit being elevated above the lower portion of the conical partition whereby the lower part of the receiver forms a settlement space for solid sediment, an oil outlet from the chamber leading from the upper part of the conical

partition, a water outlet from the lower part of the chamber, both said outlets terminating at about the level of the upper end of the conduit, and means for regulat-



ing the flow through said outlets, the lower end of the conduit being spaced substantially below the oil outlet and substantially above the water outlet.

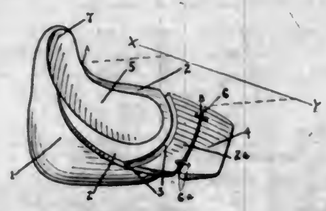
1,627,570. MERRY-GO-ROUND. LEE W. MELCHER, West Depere, Wis. Filed Jan. 20, 1923. Serial No. 613,892. 4 Claims. (Cl. 272—33.)



1. In a merry-go-round, the combination of a circular track composed of substantially semi-circular sections, a cross-bar, pivotal connections between the sections and the cross-bar, a standard on the cross-bar, a carrier or support provided with a wheel adapted to run on said track, and an arm between the standard and said carrier.

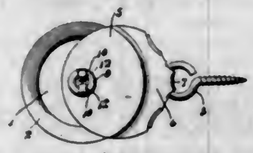
1,627,571. BEDPAN. MABEL E. NORTHROP, Pasadena, Calif. Filed June 24, 1925. Serial No. 39,263. 1 Claim. (Cl. 4—112.)

A bed pan of the character disclosed comprising a receptacle body substantially circular in form with a flat base; the rear, front and side walls being rolled upwardly and inwardly at varying heights from said base to form a pear shaped opening from above into said receptacle; the rear wall projecting upwardly to terminate in a horn with concave forward aspect, the edges of the same forming part of the boundaries of the aforesaid opening; the forward end and side walls being turned sharply outward to form flanges or bearing surfaces of varying widths, said bearing surfaces forming a varying degree of incline upward from front to rear of said receptacle, adapted to conform to proper anatomical



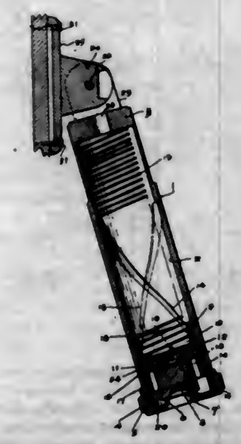
lines; the forward of said flanges being extended beyond the base of said receptacle body and provided with a transverse groove therein; a detachable apron adapted to provide an extension of said forward flange, and means of attaching said apron to said flange.

1,627,572. PULLEY. THOMAS OLINGER and FRED G. BRENDEL, Holland, Mich., assignors to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed Sept. 20, 1926. Serial No. 136,492. 4 Claims. (Cl. 254—192.)



1. In combination with a pulley housing having spaced apart sides, of a pulley having a central opening therethrough, and a cylindrical journal having tangs extending from each end thereof passing through the opening in the pulley, the ends of the journal bearing against the inner sides of the sides of the housing and said tangs passing through the sides of the housing and bent against the outer sides of said sides of the housing.

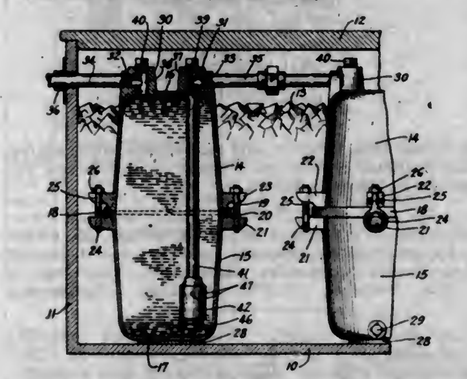
1,627,573. BILLIARD-CUE-CHALKING DEVICE. ARTHUR R. PETERSON, San Francisco, Calif. Filed Nov. 30, 1925. Serial No. 72,077. 2 Claims. (Cl. 273—19.)



1. A billiard-cue chalker comprising a barrel, a supporting bracket therefor comprising a member adapted for hinged connection to said barrel, a bore extending

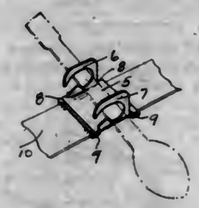
longitudinally of said barrel and provided with a pair of reversely arranged rifles or grooves and of diametrically opposite disposition, a follower adapted for longitudinal and rotary movement in said barrel bore and provided with peripherally placed lugs adapted to fit and travel in said grooves, a spring in said bore between the inner end of the barrel and said follower and adapted to normally hold said follower in the outer end of the barrel bore, a recess in the outer end of the follower adapted to hold a piece of cue chalk, a peripheral groove carried by said follower adapted to engage a screw borne by the barrel wall for preventing the complete ejectment of said follower from the barrel bore, and means for normally holding said follower and chalk slightly within the end of the end of the barrel bore.

1,627,574. WATER COOLER. FRANK A. PHILLIPPI, Pottstown, Pa. Filed Dec. 16, 1922. Serial No. 607,271. 5 Claims. (Cl. 137—21.)



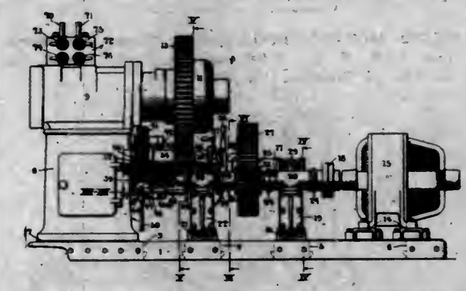
1. A cooler unit comprising two substantially equal, hollow conical elements having respectively tenon and socket interengaging surfaces at their base edges, paired lugs extending laterally from their adjacent outstanding edges, one of each pair of lugs being forked and the other cylindrical, eye bolts engaging circumferentially around the cylindrical lugs and adjustable within forks of the mating lug, means for the inlet and outlet of water to said units, and means for discharging the contents of said unit formed in one of said sections.

1,627,575. CUTLERY HOLDER FOR COOKING RECEPTACLES. AUGUST ROVELLI, San Francisco, Calif. Filed May 4, 1925. Serial No. 27,780. 1 Claim. (Cl. 65—65.)



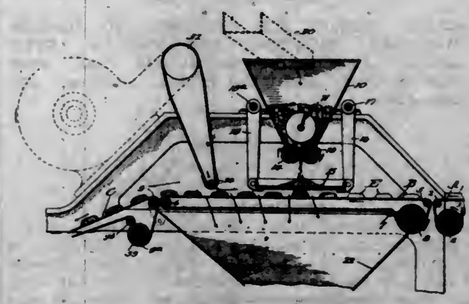
A cutlery holder for a cooking receptacle, comprised of a plate having a pair of jaws struck up from the face of the plate to extend substantially parallel to a surface of the plate and in spaced relation thereto, to support an article of cutlery, the edge of each jaw facing the plate and the matching portion of the plate having a hook shaped cavity therein to detachably hold the article of cutlery; and clamp members on the plate to detachably engage a cooking receptacle.

1,627,576. GEARING MECHANISM FOR TUBING MACHINES. VERNON ROYLE, Paterson, N. J. Filed Oct. 17, 1919. Serial No. 331,395. 31 Claims. (Cl. 18—14.)



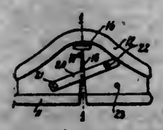
1. Apparatus of the character described comprising, a screw, a main gear for actuating the screw, a drive shaft, a plurality of sets of change speed gears, and a pinion slidably mounted for engaging the drive shaft with the main gear or with either set of change speed gears.

1,627,577. MACHINE FOR APPLYING TOP COATINGS OF COMMINUTED MATERIALS TO CONFECTION-COATED WAFERS. FERDINANDO G. SALERNO, Chicago, Ill. Filed May 16, 1923. Serial No. 639,283. 9 Claims. (Cl. 107—1.)



1. In a machine of the character described, a supply hopper equipped with feeding means arranged to discharge a regulated supply of comminuted material, a meshed conveyor belt arranged to transfer wafers laterally under said hopper, a vibrating screen between said supply hopper and conveyor belt arranged to receive the material discharged from such hopper and sprinkle it upon the wafers on the belt, a collecting hopper arranged vertically beneath said screen including inclined sides converging downwardly and terminating in a transverse conveyor trough, and an elevator mechanism arranged to receive material from said trough and deliver it to said supply hopper.

1,627,578. EXPANSIBLE EYECUP. HARRY F. SHINDEL, Reading, Pa., assignor to Willson Goggles Inc., Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 10, 1923. Serial No. 656,678. 1 Claim. (Cl. 2—14.)



An eye cup having a non-expansible face-contacting rim and an expansible wall portion of varying depth

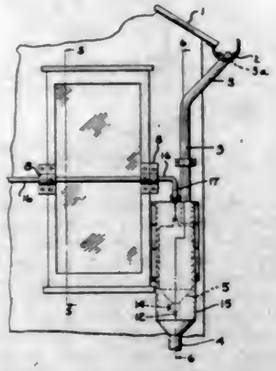
with a lens-clamping rim; said wall having a split extending outwardly through said lens-clamping rim and being provided with pivotally movable means for locking the latter to retain an engaged lens.

1,627,579. MOVABLE DOOR PANEL. HARRY P. STEVENS, New York, N. Y. Filed Sept. 4, 1924. Serial No. 735,835. 5 Claims. (Cl. 296—48.)



1. A movable closure for the upper portion of vehicle doors and similar structures having a recessed body portion, comprising a movable plate adapted to be contained therein, slidable guide members adapted to reciprocate in channels in said body portion, means connected with the lower end of said plate for guiding the same within said recessed portion, and means for locking said guide members in position independently of said plate.

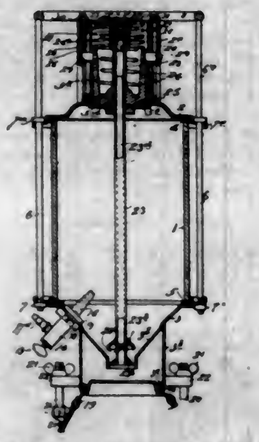
1,627,580. DEVICE FOR OPENING AND CLOSING WINDOWS, SHUTTERS, AND SIMILAR APPLIANCES. JOHN L. STOWERS, Habana, Cuba. Filed July 26, 1924. Serial No. 728,514. 1 Claim. (Cl. 268—123.)



A device for opening and closing windows, shutters, and similar appliances, consisting of a vertically movable liquid-holding container installed in the drain leader pipe of a building, said container being secured to a lever arm attached to a horizontally pivoted window, shutter, etc., said container having near its bottom a controlled discharging outlet.

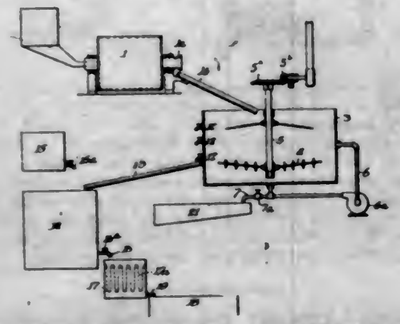
1,627,581. PORTABLE ACETYLENE GENERATOR. WILLIS C. SWIFT, West Alexandria, Ohio. Filed Jan. 22, 1925. Serial No. 3,997. 9 Claims. (Cl. 48—53.3.)

1. In an acetylene gas generating apparatus, a transparent open-ended container for the carbid, a flexible diaphragm forming a closure for one end of the carbid container, a cone-shaped cover member for the other end of the container, said cover member having a central restricted opening therethrough, a rod extending longitudinally through the center of said container and into said restricted opening and secured at one end to the diaphragm, a pair of valves spaced apart and mounted on said rod at its other end, one of said valves being fixed to move with said rod and the other mounted for free



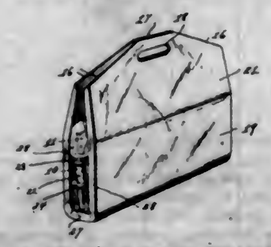
movement along said rod, said valves operating to control said restricted opening and a spring exterior to said diaphragm and bearing thereon.

1,627,582. PROCESS FOR TREATMENT OF ORES. JOSEPH T. TERRY, Leadville, Colo., assignor of one-half to Thomas H. Sheridan, Chicago, Ill. Filed Sept. 7, 1922. Serial No. 586,561. 13 Claims. (Cl. 75—18.)



1. A process of the class described, consisting in subjecting ground ore to the action of a solution containing a metal ammonium salt and an alkali-hyposulphite, and precipitating the dissolved metals.

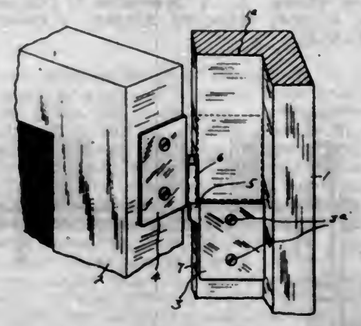
1,627,583. CONE CARRIER. GEORGE E. THUM, Elizabeth, N. J. Filed Oct. 23, 1925. Serial No. 64,307. 2 Claims. (Cl. 224—45.)



1. A cone carrier comprising a sack having a trough shaped bottom and convergent raised upper side portions containing handle openings near the top, said sack being

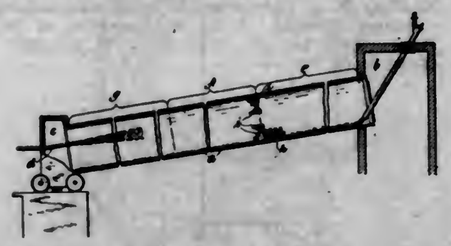
of integral construction, integral right angle flanges of uniform width extending the full length of the end edges of said sack, and in reaching spaced apart shelves extending from end to end of the sack, said shelves being perforated in register to receive cones.

1,627,584. HINGE. PAUL TISHKEN, Detroit, Mich. Filed June 5, 1925. Serial No. 35,051. 2 Claims. (Cl. 86—128.)



1. A hinge comprising a leaf integrally formed with a barrel terminating substantially flush with an end of said leaf, and a second leaf having a tongue projecting beyond an end of said leaf to engage in said barrel, and having its base portion shouldered at a point slightly beyond said end of the leaf to establish a clearance between the barrel carrying leaf and the tongue carrying leaf whereby said leaves may swing freely into endwise registration.

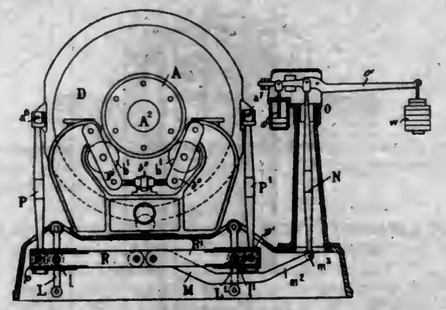
1,627,585. TREATMENT OF CEMENT RAW MATERIALS IN ROTARY KILNS. MIKAEL VOGEL-JORGENSEN, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Apr. 25, 1925, Serial No. 25,724, and in Denmark May 10, 1924. 3 Claims. (Cl. 222—7.)



2. In a continuous process of treating wet cement material, introducing wet raw material into a rotating kiln, subjecting it to the action of heat and the rotating movement of the kiln to drive off the moisture without calcination and to advance the material bodily, mechanically reducing in size within the kiln, the larger nodules formed by the heat and movement of the material, then subjecting the dried material so treated to heat sufficiently high to effect its calcination, and eventually clinkering the calcined material.

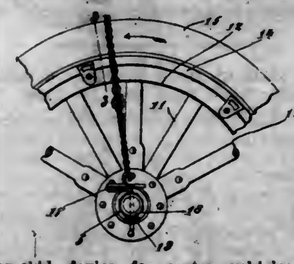
1,627,586. ABSORPTION BRAKE DYNAMOMETER. GEORGE HENRY WALKER, Worcester, England, assignor to Heenan and Froude Limited, Worcester, England. Filed Nov. 8, 1926. Serial No. 66,671, and in Great Britain Nov. 12, 1924. 1 Claim. (Cl. 265—24.)

An absorption brake dynamometer for measuring the power developed by rotating shafts comprising a rotor, a stator surrounding the rotor, anti-friction bearings upon which the stator is mounted, a turnbuckle for adjusting the position of the anti-friction bearings, two pivot pins on the stator arranged diametrically opposite each other, levers in the base plate, links pivotally supporting said levers, links connecting the short ends of the levers to the pivot pins on the stator, a further lever



connecting the longer ends of the two first levers together and extending beyond the side of the stator, a balance arm and a link connecting the free end of this further lever thereto.

1,627,587. NONSKID CHAIN. CHARLES A. WARE and ALWIN DEICHMILLER, Pasadena, Md. Filed Jan. 8, 1926. Serial No. 80,070. 4 Claims. (Cl. 152—14.)



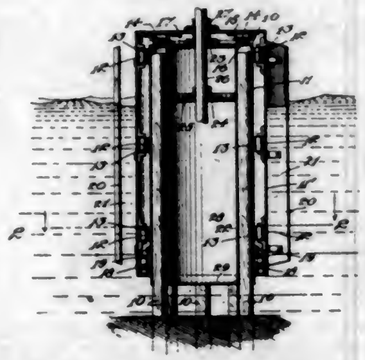
1. A non-skid device for motor vehicles consisting of a plurality of separate units, each unit comprising a separate chain having a loop at one end adapted to encircle the hub and an eye at the other end of a size to pass the chain, the loop in connection with each unit being separate from the loops of the other units and means for holding said loops on the hub.

1,627,588. SKIRT GAUGE. JOEL B. WELLS, Philadelphia, Pa. Filed Mar. 29, 1922. Serial No. 547,597. 5 Claims. (Cl. 33—9.)



1. In a device of the character described, the combination of a standard and a device adjustably secured thereto comprising in a single structure a chalk holder and a horizontal and substantially rectangular crease forming extension.

1,627,589. CURRENT MOTOR. ALEXANDER WHITTLE, Kearny, N. J. Filed Feb. 10, 1926. Serial No. 87,247. 3 Claims. (Cl. 170—100.)



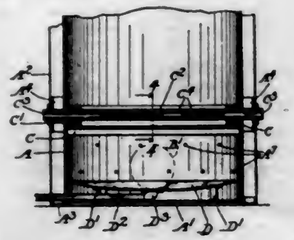
1. A current motor comprising a circular set of piles, a cylinder secured on the piles and enclosing them, a rotatable cylinder surrounding the fixed cylinder and having rollers disposed so as to permit only rotary movement of the rotatable cylinder, and tangential blades secured on the outside of the rotatable cylinder.

1,627,590. MARCEL HAIR WAVER. ELNORA E. BALDWIN, Rand, Colo. Filed May 13, 1926. Serial No. 108,901. 7 Claims. (Cl. 132—40.)



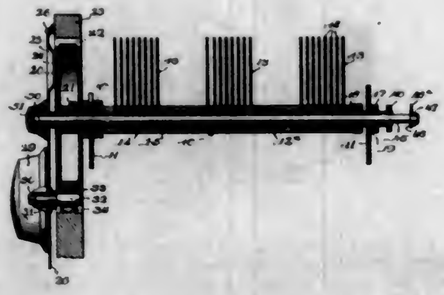
1. A hair waver comprising a bar, arms extending in one direction from the bar, other arms extending in the opposite direction from the bar, resilient hooks carried by certain of said arms, and clasps carried by the remaining arms.

1,627,591. FURNACE. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 16, 1926. Serial No. 81,659. 6 Claims. (Cl. 110—22.)



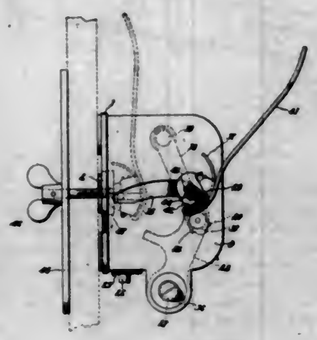
A furnace for the burning of liquid and solid fuels, an upwardly concave liquid fuel receptacle positioned in the lower portion thereof and a fuel supply line extending thereto, the wall of the furnace being penetrated by a plurality of spaced air inlet apertures, a plurality of grate bar members mounted in said furnace and overlying said fuel receptacle, said bars being provided with air inlet apertures, and with air outlet apertures located within the furnace.

1,627,592. RADIO APPARATUS AND CURRENT-CONTROL DEVICE THEREFOR. PAUL A. CHAMBERLAIN, Chicago, Ill., assignor to Mohawk Corporation of Illinois, Chicago, Ill., a Corporation of Illinois. Filed Dec. 4, 1926. Serial No. 152,682. 4 Claims. (Cl. 175—41.5.)



1. In radio apparatus, the combination of a control panel, a rotative tuning unit including a frame and a rotor shaft, a dial for said rotor shaft visible from the exterior of said panel, a current control switch mounted on said frame including a control shaft extending coaxially through said rotor shaft, manual control means for said switch control shaft in front of said dial, and a control knob for said rotor shaft disposed eccentrically thereof and operatively connected with the latter.

1,627,593. MOTOR CONTROLLER. DANIEL H. CHASON, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 12, 1923. Serial No. 612,259. 5 Claims. (Cl. 201—48.)



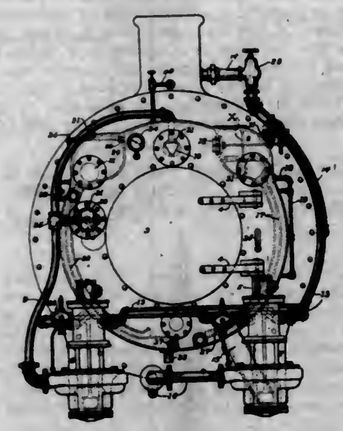
5. A convertible foot or knee-operated motor-controller comprising a casing including a base adapted to rest upon the floor or be secured to a sewing machine stand, a variable circuit controller element housed within said casing, an L-shaped spring-pressed pedal-lever having one of its arms connected to operate said element, and a knee-shift extension detachably connected to the other arm of said pedal-lever to increase the effective length of the power-arm thereof for knee-shift operation.

1,627,594. ELECTRIC PLUG. WENDELL H. CLARK, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,218. 2 Claims. (Cl. 173—360.)



1. As an improved article of manufacture, an electric plug comprising a body of insulating material having a peripheral groove and guard flange, a one-piece metallic shell with a plurality of resilient sections extending lengthwise of the body and spaced therefrom with their ends freely movably received within said groove with limited freedom of movement toward and from said flange, the other end of the shell having a central opening and an annular flange integral with said sections, said flange resting upon the end of the plug body with interengaging recess and portion of the shell adjacent said flange, and a disc over the top of said shell and fastened to the plug, said plug body having bores for the circuit wires extended therethrough, and means securing said disc to the body and serving for securing said disc in place and an attachment for one of said wires.

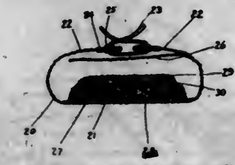
1,627,595. FEED-WATER HEATER. MILLARD F. COX, Louisville, Ky. Filed June 13, 1922. Serial No. 567,990. 28 Claims. (Cl. 122—442.)



1. In a locomotive feed water heater, an annular body adapted to be inserted in the front of a locomotive boiler shell and having a vertical front wall and a rearwardly and downwardly inclined rear wall whereby the lower portion of the body extends rearwardly of the smoke box beyond the upper portion of the body, and feedwater pumps carried by said heater on the lower portion of said front wall and connected to the interior of said heater.

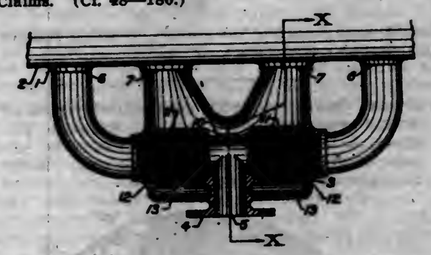
1,627,596. ATHLETIC ARCH SUPPORT. FRANK T. CUTSHAW, Indianapolis, Ind., assignor to Otto Schellert. Filed Aug. 29, 1921, Serial No. 496,448. Renewed July 23, 1925. 1 Claim. (Cl. 36—71.)

An adjustable arch support including a fabric strip, a pocket positioned on said fabric intermediate the ends thereof for supporting the arch of the foot, felted pad means in said pocket for reinforcing the arch, lacing means for securing the ends of the fabric strip together in band formation and in compression upon the foot, and a tongue secured to one end of the fabric and



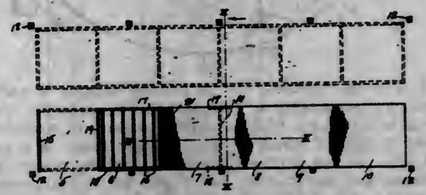
extending beyond the same and the other end to protect the foot from the lacing and the gap between the fabric ends.

1,627,597. FUEL SEPARATOR AND VAPORIZER FOR THE MANIFOLDS OF INTERNAL-COMBUSTION ENGINES. GEORGE R. DAVENPORT, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Feb. 27, 1922. Serial No. 539,551. 10 Claims. (Cl. 48—180.)



2. In an internal combustion engine, an intake passage therefor having a portion of enlarged area, a broken-walled member supported by its ends in said passage bridging over said enlarged area and having a single passage therethrough of substantially the same normal area as said intake passage, and means for applying heat to any liquid passing through said broken-walled member into the space around said member whereby the liquid will be vaporized and returned through the openings in said member and into the intake passage.

1,627,598. BRICK-KILN CONSTRUCTION. WILLIAM WALLACE DICKINSON, Jr., Little Rock, Ark. Filed May 28, 1926. Serial No. 112,227. 6 Claims. (Cl. 25—134.)

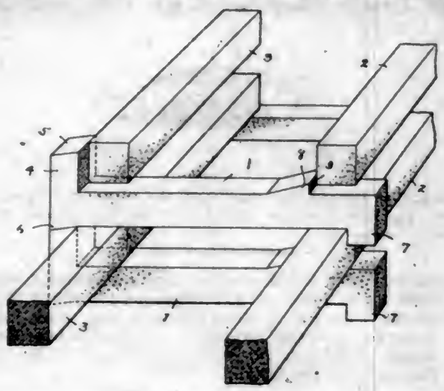


1. A plurality of adjacent units made up of brick placed for burning, having a division wall initially of unburned brick, between each two thereof, said wall being of less height than the said units, thereby providing initially a passage-way above said wall for gases of combustion between said units, and as burning and shrinkage of said wall progresses, providing additional direct passageways through said wall.

1,627,599. CONCRETE CRIBBING. ELBERT H. DRESSER, Duluth, Minn. Filed Aug. 13, 1926. Serial No. 128,963. 3 Claims. (Cl. 61—47.)

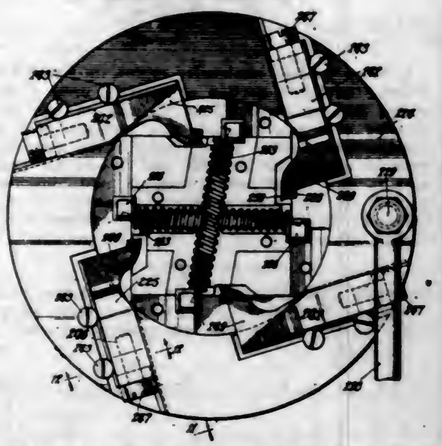
1. A concrete cribbing comprising in combination straight rectangularly shaped stretchers, headers for over-

lapping engagement with the stretchers at both ends and horizontal holding engagement with each other, said



holding engagement of the headers occurring outboard of the outermost stretchers.

1,627,600. MANUFACTURE OF COMPOUND HELICAL WIRE SPRINGS. JOHN F. GAIL, Evanston, Ill., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed June 26, 1922. Serial No. 570,980. 35 Claims. (Cl. 140—3.)

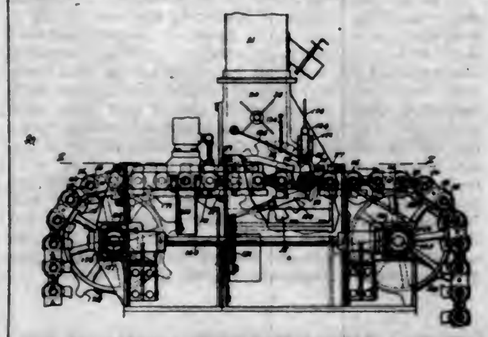


1. The improvement in the art of making a spring structure comprising a pair of helicals mutually interlaced in cruciform relation, which consists in simultaneously forming a length of wire into the shape of a helical coil, the end portion of said coil forming one of said helicals, and screwing the end of said helical transversely through spaces between turns of the other helical.

7. The improvement in the art of making helical springs which consists in positioning the end of a helical, bending the same to form a hook thereon, and while said helical is still positioned, bending the end of said hook to contact the same.

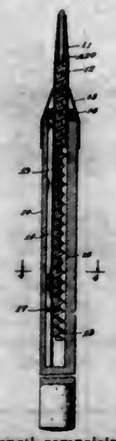
1,627,601. APPARATUS FOR COMPACTING GRANULAR MATERIAL. GEORGE GOEBEL, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Aug. 18, 1922. Serial No. 582,834. 48 Claims. (Cl. 18—5.)

5. In apparatus of the class described, and in combination, a hopper for containing a mass of material, a drum having a plurality of mold grooves for receiving charges of material from said hopper, means for giving said drum an intermittent rotation whereby the grooves are successively moved past the material in the hopper, a plunger movable into a groove along the length thereof for compressing the charge into a desired cross section, means for operating said plunger during a period of rest of the drum, a conveyor chain, a plurality of carrier molds conveyed thereby, means for operating said chain to position intermittently a carrier mold in alinement with the compressed charge, a ram movable through the drum grooves for transferring the charge to the positioned carrier mold, and means for operating said ram during said period of rest of the drum.



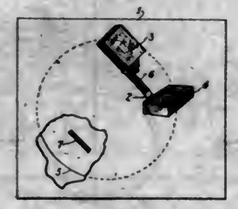
10. In apparatus of the class described, and in combination, a conveyor, a plurality of carrier molds conveyed thereby, a container for holding a charge of material of a diameter to fit said molds, means for moving the conveyor to position a carrier mold in alinement with the container, a ram for transferring a charge of material from the container to a carrier mold, means for reciprocating the ram, shutters for the entrance ends of the carrier molds, a shutter closer including a fluid pressure unit, a valve for controlling the admission of pressure fluid to said unit, and means for operating said valve.

1,627,602. MECHANICAL PENCIL. BYRON B. GOLDSMITH, New York, N. Y. Filed Apr. 29, 1921. Serial No. 465,359. 4 Claims. (Cl. 120—18.)



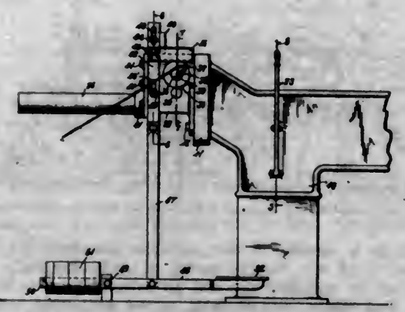
1. A mechanical pencil comprising a hollow cylindrical casing, a revolubly mounted lead-holding tip extending partly within and partly without said casing, and having a shoulder abutting against the forward end of said casing and a shell having a cylindrical portion fitting over the end of the casing and a conical portion enclosing said shoulder and fitting, at its narrow end, the lead holding tip.

1,627,603. DEVICE FOR PRODUCING AN OPTICAL ILLUSION. EUGEN HABERFELD, Berlin-Halensee, Germany, assignor to Latham Litho & Printing Co., New York, N. Y., a Corporation of New York. Filed Mar. 18, 1926. Serial No. 95,522. 5 Claims. (Cl. 40—126.)



1. The combination of a stationary surface having an opening, a movable surface disposed back of said stationary surface and carrying the picture of some article, or the like arranged to move across said opening at certain time intervals, and means for setting said movable surface into motion said movable surface and said stationary surface being similarly colored.

1,627,604. SPRING-WINDING MACHINE. JAMES ARTHUR HITTLE, Indianapolis, Ind., assignor to Robert H. Hassler, Indianapolis, Ind. Filed Jan. 7, 1926. Serial No. 79,907. 8 Claims. (Cl. 153—64.)



1. In a machine of the type described, a winding mandrel comprising a boss adapted for rotation about the transverse axis, means on said boss for engaging a strip to be wound, means for rotating said boss, a member adapted to exert pressure on said strip transversely to the axis of said boss, means for normally holding said member in operative position, and means for bringing said member into pressure exerting relation to said strip.

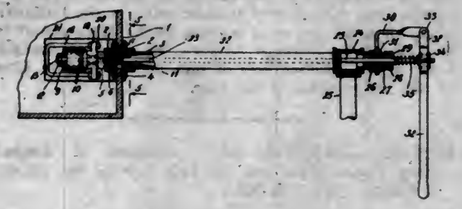
1,627,605. PIPE. WALTER A. HOMAN, Denver, Colo., assignor to The Bronco Buster Pipe Company, Denver, Colo., a Corporation of Colorado. Filed Mar. 25, 1926. Serial No. 97,267. 5 Claims. (Cl. 131—12.)



2. A pipe provided with a bowl having a metal bottom plate and a metal stem secured to said plate.

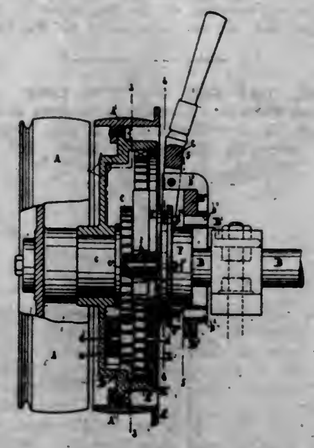
5. A pipe provided with a bowl having a liner made of carbon and means for reinforcing said carbon liner to prevent the same being cut from the bowl.

1,627,606. DRAIN VALVE. JOSEPH L. HUTCHINGS, Olean, N. Y. Filed Jan. 15, 1926. Serial No. 81,595. 4 Claims. (Cl. 251—134.)



1. A drain valve comprising, a stationary member having an axial passage therethrough, a slidable imperforate cup-shaped member operatively connected to said stationary member, a vent leading to the axial passage of said stationary member, means responsive to the application of a force for moving the slidable member relatively to the stationary member to open the vent including a slidable-member-stem attached to the closed end of the slidable cup-shaped member which stem extends into the axial passage of the stationary member and a cooperating stationary-member-stem leading from the outside of the stationary member into the axial passage of the stationary member, said stems being in axial alignment so as to make ready contact with one another, means responsive to the removal of said force for moving the slidable member relatively to the stationary member to close the vent.

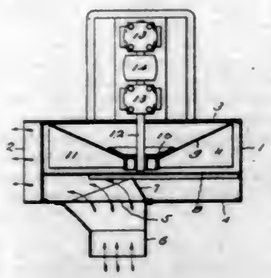
1,627,607. DRIVING AND REVERSING GEAR. JAMES JOLLEY, Manchester, England. Filed June 1, 1926, Serial No. 113,091, and in Great Britain Aug. 22, 1925. 2 Claims. (Cl. 74—34.)



1. An epicyclic reversing gear for carding engines comprising a driven shaft, a bearing carrying the driven shaft, a sun wheel keyed on the driven shaft, a boss on said sun wheel, a driving pulley loosely mounted on said boss, crown teeth formed on the inner periphery of the loose pulley, a plate having holes therein loosely mounted on said driven shaft, a stud mounted on the plate, a pinion mounted on the stud and gearing with

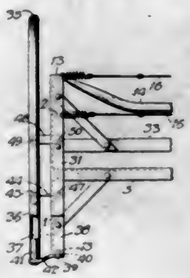
the crown teeth on the periphery of the loose pulley, a second pinion mounted on the stud and gearing with the sun wheel, a stationary plate having holes therein affixed to the bearing, a sliding disc mounted between the loose plate and the stationary plate, pins on one face thereof to enter the holes in the loose plate when the disc is in position at one end of its movement and pins on the other face thereof to enter holes in the stationary plate when the disc is in position at the other end of its movement, the distance between the ends of the pins being such that both sets of pins may be free to allow of the free rotation of the gear.

1,627,608. EXHAUST FAN. CHARLES H. KEENEY, Avon, Conn. Filed Aug. 10, 1926. Serial No. 128,442. 7 Claims. (Cl. 302—23.)



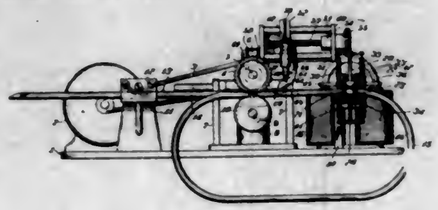
1. An exhaust fan comprising a substantially circular casing, a fan wheel rotatable within the casing, said casing having a tangential discharge opening and an inlet opening through one side eccentric to the fan wheel axis and adajcent to the discharge opening, and means fixed within the casing for deflecting material from the inlet to the discharge, whereby material drawn into the casing by the rotation of the fan wheel is immediately discharged and not carried around by the fan wheel.

1,627,609. DAY BED AND THE LIKE. SAMUEL J. LAVEZZI, Chicago, Ill., assignor to Herz Bed Company, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1921. Serial No. 471,448. 7 Claims. (Cl. 5—53.)



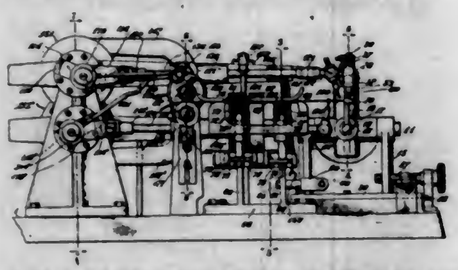
1. A device of the class described comprising a stationary frame section and a movable frame section pivoted thereon, and bed ends having corner posts, and inwardly and upwardly projecting members on the lower ends of said posts upon which the stationary frame section is detachably supported.

1,627,610. LACE-THREADING MACHINE. HANS LUNDQUIST, Chicago, Ill., assignor to United States Specialty Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1921, Serial No. 463,828. Renewed Jan. 14, 1927. 18 Claims. (Cl. 223—38.)



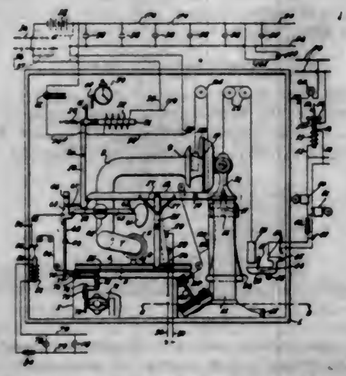
2. In an apparatus of the character described, the combination of a threading needle, a gripping device for lace, means for feeding the lace to the needle, an electromagnet and means actuated by the electro-magnet for rapidly oscillating said gripping device.

1,627,611. LACE-THREADING MACHINE. HANS LUNDQUIST, Chicago, Ill., assignor to United States Specialty Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 30, 1921, Serial No. 518,915. Renewed Jan. 14, 1927. 27 Claims. (Cl. 223—38.)



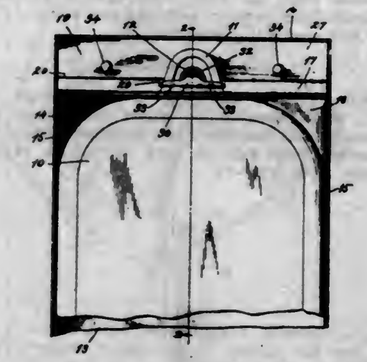
1. In a machine of the character described, the combination of lace feeding means, a needle floatingly supported in the machine, and on which the lace is fed by said means, and movable means projecting through the needle for preventing axial displacement of the same.

1,627,612. ALARM SYSTEM. WILLIAM J. LUSK, New York, N. Y. Filed Dec. 13, 1922. Serial No. 606,655. 46 Claims. (Cl. 179—5.)



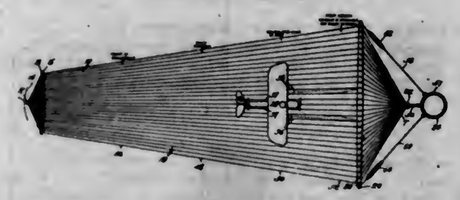
1. Alarm system embodying a dial telephone, means for dialing said telephone, means cooperating with the transmitter of the telephone for sounding an alarm in the vicinity of the transmitter of the telephone, means for normally maintaining the alarm means and the dialing means in restraint, and means for releasing the alarm means and dialing means.

1,627,613. PACKING RECEPTACLE. CHARLES E. MANDERBACH, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 22, 1925. Serial No. 24,956. 9 Claims. (Cl. 206—69.)



3. A packing box having a partition formed by a piece of material folded V-shaped, the sides of which are provided with base-forming extensions secured to each other and to the bottom of the box, one of said extensions lying between the other and the box bottom.

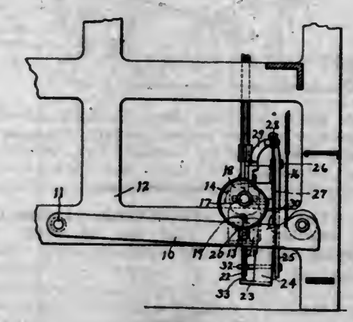
1,627,614. AERIAL LANDING HARP FOR AEROPLANES. NEWTON A. MCCULLY, Anderson, S. C. Filed Oct. 14, 1925. Serial No. 62,358. 13 Claims. (Cl. 244—2.)



1. An aerial landing harp for aeroplanes comprising a unitary hammock shaped device consisting of a series of cables, each of said cables being secured at their respective ends to single elements, means for supporting and spacing said cables one from the other situated near the forward and rear ends thereof respectively, means on said supports to engage and hold the cables, the cable engaging means on the forward support being spaced at greater intervals than the cable engaging means on the after support, the engaged cables diverging from said after to said forward support, and means for anchoring the respective ends of the harp to fixed supports to hold the harp in suspension.

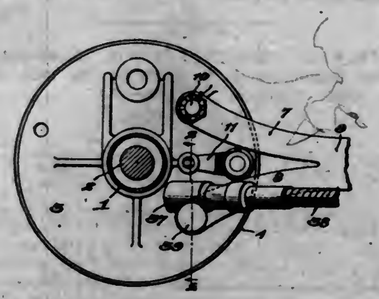
9. An aerial landing harp for aeroplanes comprising a unitary hammock shaped device consisting of a series of spaced, taut, cables each diverging forwardly from the other, and an aeroplane having depending inwardly curved hooks to engage and deflect any pair of non-adjacent cables of the series as said aeroplane moves forwardly thereover and thereupon.

1,627,615. BUNCH-BUILDING MECHANISM FOR SPINNING FRAMES. WILLIAM T. MORGAN, New Bedford, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Sept. 20, 1926. Serial No. 136,533. 4 Claims. (Cl. 242—43.7.)



1. A bunch builder mechanism for spinning frames, in combination, a swinging builder lever, a shaft rotatable in bearings fixedly connected to the frame of the machine, a cam fixed to said shaft for normally operating the builder lever for effecting the main winding of the yarn on the bobbin, a supplementary cam also fixed to said shaft effects the preliminary winding of the yarn on the bobbin, a device slidably mounted in a stationary part of the machine in a coacting engagement between the builder lever and said supplementary cam, and means for disengaging said device from its coacting engagements.

1,627,616. SPEEDOMETER DRIVE. DAVID H. NASH, Petersburg, Va. Filed Sept. 28, 1925. Serial No. 59,217. 2 Claims. (Cl. 74—7.)

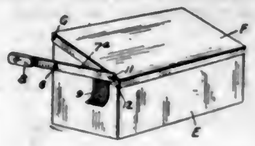


1. In combination with a vehicle having a wheel, a dead axle, a brake-drum carried by said wheel, and a plate carried by said axle and closing the inner side of said brake-drum; a driving gear fixed to said wheel within the brake-drum; a driven gear enclosed within the brake-drum and meshing with the driving gear; a gear-housing supported by said plate; and angle-gearing, in said housing, connected with and actuated by said driven gear and adapted for connection with an instrument to be driven.

1,627,617. MAIL-BOX SIGNAL. JOHN NORDIN, Monticello, Minn. Filed Nov. 27, 1925. Serial No. 71,641. 1 Claim. (Cl. 232—35.)

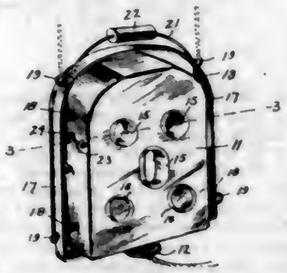
A mail box having a hingedly secured door, a stop member projecting laterally from the door, a lever piv-

oted to the side of the box and having freedom for complete rotating movement, said lever having a relatively long signal carrying end for releasable engagement with



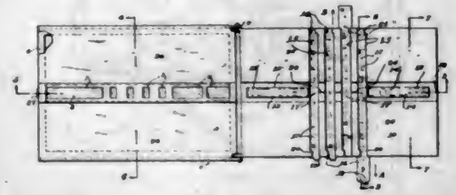
said stop, and a relatively short, weighted end adapted to be passed by the stop without abutting the same when the door is closed.

1,627,618. BODY APPLICATOR. JENNIE HENRY PAUL, Amarillo, Tex. Filed Dec. 28, 1925. Serial No. 77,903. 9 Claims. (Cl. 128—254.)



1. A body applicator comprising a mask and a casing spaced apart to provide room for a heating means, and having supplemental surfaces of a conformation to fit other parts of the body than the face, there being a concave extension below the chin portion of the mask for the last named purpose.

1,627,619. CHECK PROTECTOR. EMMANUEL REUBENS, Washington, D. C. Filed Jan. 20, 1925. Serial No. 3,665. 5 Claims. (Cl. 101—19.)



1. In a device of the class described in combination, a base, bent over portions on said base, a hinge, an upper cover or plate, grooves in said plates, slides in the said grooves, notches at the sides of the said slides, a spring co-operating with the said notches, a pin at one end, and a projection at the other end of the said slides, extensions arranged to contact with the said pin, and projections, and a fastener for keeping the said base and the said top plate or cover in a closed position.

1,627,620. FLEXIBLE METALLIC PACKING. HAMPTON PRATT RHODES, Houston, Tex. Filed July 18, 1925. Serial No. 44,448. 3 Claims. (Cl. 154—45.5.)

1. A flexible metallic packing comprising a central core of asbestos, a heavy layer of metal foil compressed in interlocked position around said core, a plurality of smaller threads of asbestos extending longitudinally of the metal foil, a layer of asbestos on one side of the



compressed metal foil, and a covering of flexible material surrounding said packing, said core and asbestos threads being saturated with lubricant.

1,627,621. TENNIS RACKET. CARL SCHINDLER, Brookline, Mass., assignor, by direct and mesne assignments, to Carl Schindler, Inc., a Corporation of Massachusetts. Filed Feb. 10, 1926. Serial No. 87,378. 2 Claims. (Cl. 273—73.)



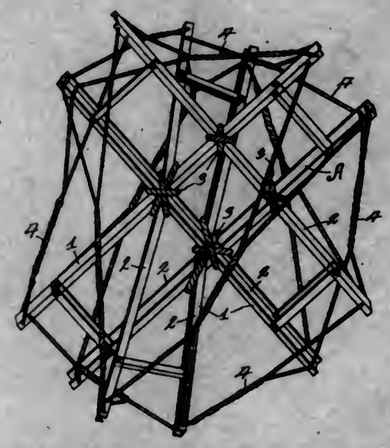
1. In a racket, comprising a handle and a head, having side and end rims; a multiplicity of pairs of apertures through the rim from the inside to the outside of the rim one aperture of each pair slanting from the inside in the direction of stringing and the other from the outside in the direction of stringing; an unyielding hard abutment laid along the outerside of the rim; strings crossing the head back and forth from rim to rim, through the rim apertures and around the abutment.

1,627,622. SAW. JOHN SCHREINER, Chicago, Ill., a signor to Paul W. Koch & Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 21, 1925. Serial No. 76,623. 2 Claims. (Cl. 145—31.)



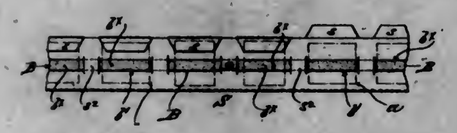
2. In a tool of the class described, a pair of parallel saw blades, a pair of elements for spacing the blades a given distance apart, means for fastening the blades to the elements, said elements comprising means adapted to be gripped manually to actuate the saw blades, and a rib associated with an edge of each of the blades, each of said ribs having each end provided with a cut away portion to permit of the corresponding spacing element to abut the side of the associated blades, said blades being reversible to vary the distance separating them, said ribs being adapted to be used to increase the said distance when said blades are reversed.

1,627,623. STREAM DEFLECTOR AND RIVER-BANK PROTECTOR. HARRY M. SMITH, Valley, Nebr. Filed Oct. 23, 1925. Serial No. 64,371. 2 Claims. (Cl. 61—3.)



2. A stream deflector comprising a plurality of elongated rectangular shaped frames having end and side bars, said frames being in crossed relation, one of said frames being centrally restricted and extending through one of the other frames, said frames being proportioned whereby when the device rests on any side or portion thereof, one bar of each frame will form part of a tripodal support for the deflector.

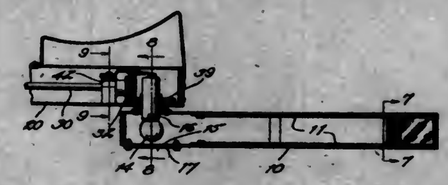
1,627,624. EXHIBIT MOUNT FOR STAMPS, ETC. ALEXANDER S. TRAUB, Yonkers, N. Y. Filed Nov. 8, 1926. Serial No. 147,100. 2 Claims. (Cl. 229—69.)



1. As an article of manufacture, a plural envelope strip of the character designated, comprising a slitted and folded blank of transparent material, and a retaining band woven through the slits, one side of said band being adhesive for the purpose set forth.

1,627,625. SIGNAL. HENRY G. TUTHILL, Los Angeles, Calif. Filed Feb. 16, 1925. Serial No. 9,602. 1 Claim. (Cl. 177—329.)

An automobile direction signal comprising a casing adapted to project horizontally from the side of the vehicle, a signaling member of hollow formation, means for mounting said signaling member on said casing with the signaling member normally lying at one side and parallel with said casing, an electric light socket carried by said casing, said socket serving as a pivot shaft for said signaling member, an electric light bulb arranged in said socket and also positioned within said signaling member, means for controlling the movement of said signaling member, whereby the latter may be swung outwardly to different angular positions with relation to said casing, a switch arranged in a normally open circuit and including a contact pin arranged centrally of said pivot, a resilient contact arm, a block of insulating material carried by said arm, a cam on one end of the light socket for engaging said block of insulating material for normally holding said resilient contact spaced from said pin, and allowing said contact to engage the pin when the signaling member is swung to its active position.



1,627,626. CHILLED-IRON ROLL. HARRY E. WALTERS, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1927. Serial No. 177,836. 10 Claims. (Cl. 75—1.)

1. As a new article of manufacture, a chilled cast iron roll containing total carbon about 3.00 to 3.75 per cent, chromium about .70 to 1.25 per cent, molybdenum about .15 to .50 per cent, phosphorus not over about .06 per cent, sulphur not over about .08 per cent, silicon about .75 to 2.50 per cent, and manganese about .20 to .80 per cent, and having a close grained white iron primary chill and a secondary chill having no distinct line of demarcation between it and the primary chill and having a grain structure resembling that of the primary chill.

1,627,627. REATOMIZING DEVICE FOR INTERNAL-COMBUSTION ENGINES. WALTER MILO WILLY, Pukwana, S. Dak. Filed Jan. 12, 1926. Serial No. 80,768. 5 Claims. (Cl. 48—180.)

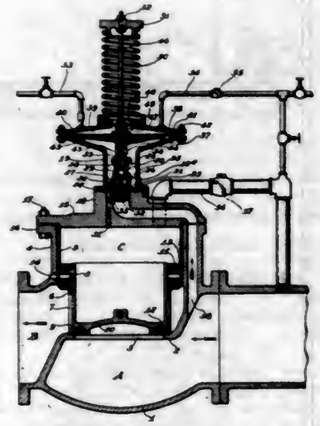


1. A reatomising device for internal combustion engines comprising a head piece formed with an opening communicating with the intake manifold of the engine, a bowl suspended from said member and closed thereby, a baffle carried by said member and extending partly across said opening at the lower portion thereof and providing means for arresting heavier particles of gasoline, said head piece provided with means for discharging said heavier particles into said bowl, a siphoning tube leading from a point within and in proximity to the bottom of said bowl to said opening for directing the gasoline from the bowl in a reatomised state into the combustible charge as the latter travels through said opening, and a semi-circular flange carried by said member and arranged above said baffle.

1,627,628. AUTOMATIC CONTROL VALVE. EDWARD V. ANDERSON, Belle Vernon, Pa., assignor of one-half to Charles E. Golden, Crafton, Pa. Filed Jan. 8, 1927. Serial No. 158,496. 10 Claims. (Cl. 137—139.)

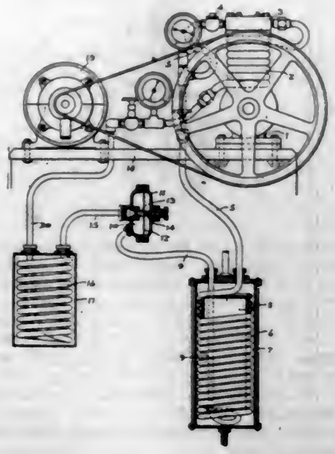
1. A valve mechanism comprising a casing having a passage therethrough, a valve controlling the passage

and adapted to seat by movement in a direction opposed to that of normal flow of fluid through the passage, means responsive to increase of pressure on one side of said



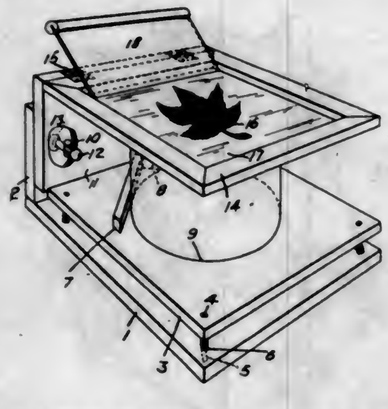
valve for automatically seating said valve, and means responsive to failure of pressure on the other side of said valve for automatically unseating said valve.

1,627,629. REFRIGERATING DEVICE. JOHN W. ANDERSON, Hamilton, Ontario, Canada. Filed Apr. 14, 1926. Serial No. 102,042. 1 Claim. (Cl. 62—115.)



In a refrigerating device containing a fluid refrigerating medium, the combination of a compressor; a condenser connected with the compressor; an expansion valve connected with the condenser; a cooling coil connected with the expansion valve; and a tubular coil encircling the compressor cylinder and in heat exchange relation therewith, one end of said coil being in communication with the cooling coil and its other end in communication with the compressor.

1,627,630. DEVICE FOR ICING CAKES. HUBERT CARTER, Toronto, Ontario, Canada. Filed Nov. 14, 1925. Serial No. 69,047. 2 Claims. (Cl. 91—3.)



1. In a device for icing cakes, a resiliently supported base upon which the cake to be iced is adapted to rest, a supporting standard, a frame secured to the standard and extending over the base and spaced apart therefrom to permit the insertion of the cake, a wire mesh secured to the frame and extending over the open portion thereof, a stencil sheet laid upon the mesh through which and the mesh the icing liquid is adapted to be forced onto the cake top, and means for permitting the vertical adjustment of the frame in relation to the base.

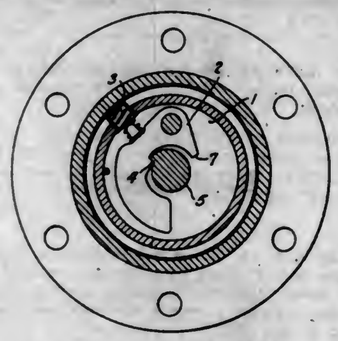
1,627,631. ELECTRIC-LAMP SOCKET. WILLIAM GEORGE CHIZLETT, Oroville, Calif. Filed July 23, 1926. Serial No. 124,415. 3 Claims. (Cl. 173—340.)



1. In an electric lamp socket for attachment to a pair of spaced conducting wires, a socket member, a cap movably associated with said socket member and between which the wires are to be disposed, an electric bulb securing shell slidable within the socket member and operatively connected to the cap for drawing the cap toward the socket member when a bulb is inserted in the shell, means for piercing the wire, and means for completing the circuits between the wires and the bulb disposed in the shell.

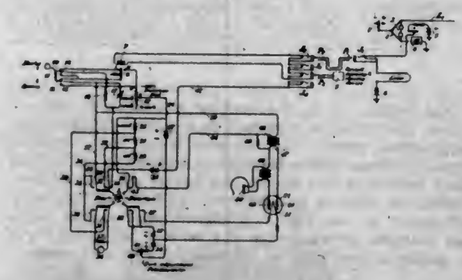
1,627,632. MEANS FOR ADVANCING AND RETARDING A DRIVEN SHAFT RELATIVELY TO A DRIVING SHAFT. GEORGE CONSTANTINESCO, Weybridge, England. Filed Mar. 28, 1925, Serial No. 19,116, and in Great Britain Apr. 10, 1924. 2 Claims. (Cl. 192—103.)

1. Means for changing the phase relation of a driving and a driven shaft irrespective of the power transmitted when the speed of the driving shaft reaches certain values, comprising centrifugally operated pawl mechanism carried by the driving shaft, two or more driving portions on the said pawl mechanism, and means on the driven shaft for engaging said driving portions which are



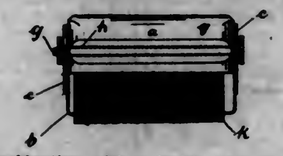
adapted to come successively into operation on the said engaging means by centrifugal action when the speed of the driving shaft reaches certain predetermined values.

1,627,633. TELEGRAPH DISTORTION-MEASURING SYSTEM. SAMUEL I. COBY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 22, 1925, Serial No. 77,087. Renewed Sept. 30, 1926. 5 Claims. (Cl. 178—69.)



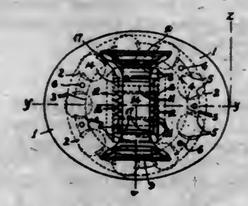
1. In a system for measuring total distortion of telegraph signaling impulses, the combination with a source of signal comprising a mark and a space, of a relay responsive to the said signal, a condenser, a source of potential adapted to charge the condenser during a spacing interval, and means to discharge the condenser during a marking interval.

1,627,634. BRUSH. ALBERT EDWARD COYNE, Sheffield, England, assignor to Andrew Page, Leeds, England. Filed June 9, 1925, Serial No. 35,921, and in Great Britain June 18, 1924. 6 Claims. (Cl. 15—169.)



1. The combination with a brush, of a guard having teeth adapted to enter spaces between the bristles of the brush, and means connecting the guard with the brush and permitting bodily movement of the guard to and from the brush back and also movement of the guard teeth into and from spaces between the bristles of the brush.

1,627,635. DEVICE FOR SUPPORTING THE HAND WHILE WRITING. CHARLES CRAIG, Boksburg, Transvaal, South Africa. Filed Feb. 19, 1925, Serial No. 10,411; and in the Union of South Africa Aug. 2, 1924. 3 Claims. (Cl. 120—54.)

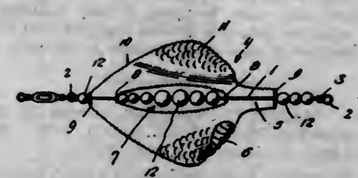


1. A device of the kind described, comprising a hand-supporting member provided on the underside with a ball bearing and having shaped catches engaging the sides of the hand for securing the device to the hand, and means for automatically moving said catches outwardly to disengage them from the hand when the hand is resting in the member, and for automatically moving them inwardly to engage with the hand when the hand is raised above the member, as set forth.

1,627,636. VULCANIZATION OF RUBBER. CECIL JOHN TURRELL CRONSHAW and WILLIAM JOHNSON SMITH NAUNTON, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed June 28, 1926, Serial No. 119,265, and in Great Britain Sept. 9, 1924. 3 Claims. (Cl. 18—53.)

2. In the vulcanization of rubber, the process which comprises adding to the mixture to be vulcanized a small proportion of tetra-methyl-diamino-diphenyl-guanidine and then vulcanizing.

1,627,637. FISHING LURE. ERNEST A. DAHLQUIST, Long Beach, Calif. Filed Oct. 30, 1926. Serial No. 145,284. 1 Claim. (Cl. 43—45.)



A contrivance of the class described comprising a carrier wire having its ends bent to form eyes, a spinner body having apertured ears at its ends and provided intermediate its ends with a slot and ears projecting from the body at the ends of the slot and having apertures in alinement with the first mentioned ears, said wire extending through the apertures of said ears, bearings on said wire between the second mentioned ears, and bearings between each first mentioned ear and the adjacent eye.

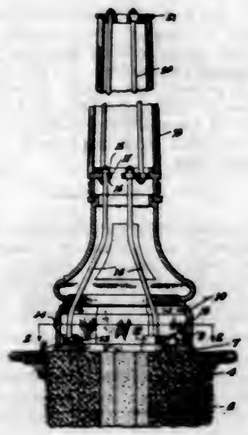
1,627,638. PROCESS OF MAKING A SMOKELESS EXPLOSIVE POWDER. FRANCIS I. DU PONT and ERNEST DU PONT, Wilmington, Del., assignors to U. S. F. Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 10, 1925. Serial No. 68,224. 12 Claims. (Cl. 52—20.)

1. In the manufacture of a flashless, smokeless propellant powder, the process which comprises mechanically mixing and blending nitrocellulose and a flame propagating agent, blending being performed in the presence of a liquid having utility in colloiding nitrocellulose but effecting no colloiding during mixing, and afterwards completely colloiding the nitrocellulose.

1,627,639. FLASHLESS CANNON POWDER. FRANCIS I. DU PONT and ERNEST DU PONT, Wilmington, Del., assignors to U. S. F. Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 13, 1926. Serial No. 148,313. 5 Claims. (Cl. 52—11.)

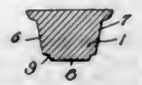
1. As a flashless powder, colloided nitrocellulose containing distributed grains of a mixture composed of charcoal and a nitrate and free of sulfur.

1,627,640. BASE FOR LAMP STANDARDS. GEORGE F. EBEL and FREDERICK M. ZINK, Canton, Ohio, assignors, by mesne assignments, to The Union Metal Manufacturing Company, a Corporation of Ohio. Filed Sept. 16, 1925. Serial No. 56,751. 3 Claims. (Cl. 189—28.)



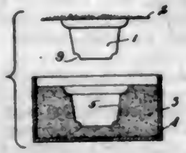
3. A standard including a base ring, means for anchoring the ring, a shoulder spaced from the edge of the ring, slotted lugs upon the ring, a base engaging the shoulder upon the ring and tie-rods engaging said slotted lugs for detachably connecting the base to the ring.

1,627,641. COATED CONFECTION. DEANE M. FREEMAN, Brookline, Mass. Filed Dec. 9, 1924. Serial No. 754,759. 3 Claims. (Cl. 99—16.)



1. A center for coated candies comprising a body having a bottom wall and a peripheral wall cut away adjacent said bottom wall.

1,627,642. IMPLEMENT FOR MAKING COATED CONFECTIONS. DEANE M. FREEMAN, Brookline, Mass. Original application filed Dec. 9, 1924, Serial No. 754,759. Divided and this application filed Mar. 12, 1926. Serial No. 94,161. 2 Claims. (Cl. 107—3.)



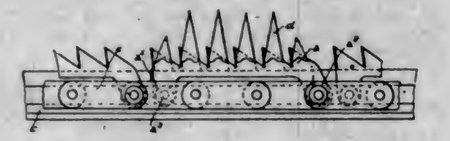
1. An implement for forming cavities in suitable material to receive the filling for a confection, said implement comprising a solid having a peripheral surface and a bottom surface, the peripheral surface and the edges of said bottom surface being cut away to provide an undercut.

1,627,643. LINE GUIDE FOR FISHING RODS. PAUL A. HABERL, Denver, Colo. Filed July 30, 1926. Serial No. 125,991. 6 Claims. (Cl. 43—24.)



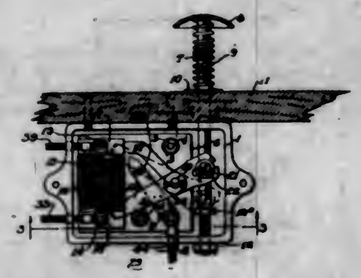
1. A line guide for fishing rods comprising a supporting member having means for attachment thereof to the rod and having opposed upstanding portions, seats in said portions adapted to engage an eyelet and an eyelet positioned in said seats.

1,627,644. CUTTING DEVICE FOR REAPING, MOWING, AND LIKE MACHINES. VÁCLAV HEJMA, Brno, Czechoslovakia. Filed Apr. 25, 1925, Serial No. 25,864, and in Czechoslovakia Feb. 11, 1924. 3 Claims. (Cl. 56—245.)



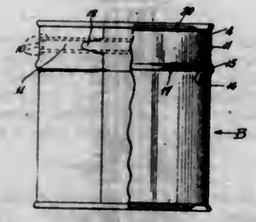
1. A cutting device for reaping, mowing and like machines, comprising in combination a hollow casing having longitudinal grooves in opposed inner walls thereof, stationary finger pieces fastened to said casing, an endless chain traversing said casing, and having pins for slidably guiding the same in said grooves, and knife sections each articulated at one end to a pin of said endless chain and provided at the other end with a pin adapted to be guided in said grooves independently of said chain.

1,627,645. COMBINATION HEADLIGHT-DIMMING AND SPOTLIGHT-CONTROLLING MEANS. GROVER H. HEMPHILL, Cincinnati, Ohio. Filed Oct. 6, 1925. Serial No. 60,812. 5 Claims. (Cl. 201—48.)



4. A dimmer rheostat comprising a casing, a flat insulating member secured therein, a helical resistance winding on said flat insulating member, a contact arm pivoted within the casing for circular travel with its free end in engagement with said winding, a longitudinally movable rod to which said contact arm is pivotally secured, for turning the latter, and a spring contact arm fixedly secured at one end within the casing, with its other end projecting upwardly for automatic engagement by the first contact arm when the latter is at a desired point on the resistance winding.

1,627,646. RIP-STRIP CAN. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed June 30, 1926. Serial No. 119,611. 5 Claims. (Cl. 220—53.)



2. A can structure including a collar having its upper and lower margins doubled and having its ends connected by co-operation of one end portion with said doubled formations, the inner face of the collar at the joint being smooth and flat.

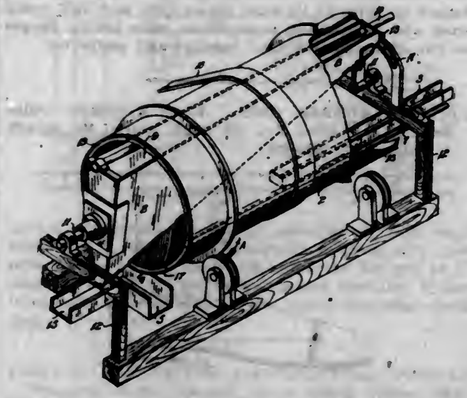
1,627,647. DISPENSING DEVICE. GUSTAV A. HULTENIUS, Newport, R. I. Filed June 21, 1926. Serial No. 117,487. 7 Claims. (Cl. 211—8.)



1. A device of the character described comprising a container, a rotatable dispensing device arranged in the lower portion of said container, said dispensing device being provided with an article receiving recess, said container being provided in its lower portion with an opening through which articles are adapted to be dispensed from said recess when said dispensing device is rotated to operative position, means for limiting the turning movement of said dispensing device to operative position for dispensing the articles, an operating handle for said dispensing device and means adapted to engage said handle with said dispensing device during partial rotation thereof and to permit rotation of said handle independently of said dispensing device after said dispensing device has reached operative position.

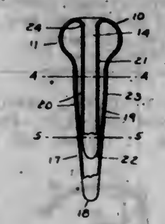
1,627,648. CONCENTRATOR. EDWARD HENRY JOHNSON and ARTHUR HENRY WINTERTON, East Rand, Transvaal, South Africa. Filed Oct. 21, 1925, Serial No. 63,913, and in the Union of South Africa Oct. 22, 1924. 1 Claim. (Cl. 209—451.)

In a concentrator, the combination of a rotatable drum, means to rotate the same in one direction, means to pass material to be treated into the drum at one end, the material being discharged from the other end of the drum, the internal surface of the drum having riffles



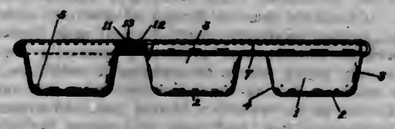
inclined inwardly and upwardly from the intake end of the drum on the rising side thereof, and means to collect concentrate from the surface of the drum.

1,627,649. FLOWER HOLDER. MICHAEL KARABIN, JOHN SKOCZLEK, and KARL F. MANDL, New Britain, Conn. Filed Aug. 21, 1926. Serial No. 130,692. 1 Claim. (Cl. 47—41.)



A flower holder in the form of a double-walled structure made of glass, comprising an inner well in the form of an elongated tubular structure, an exterior wall connected by its upper end to said well and having the portion that is adjacent said upper end of relatively enlarged form, and a tip of rounded form at the lower end, and said exterior wall serving as a supporting wall in cooperation with a supporting bracket.

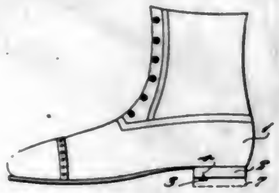
1,627,650. REENFORCED DRAWN BAKING PAN. ARTHUR KATZINGER, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Filed Sept. 2, 1926. Serial No. 133,257. 2 Claims. (Cl. 53—6.)



1. A series of drawn seamless baking pans, each formed from a single sheet of tin plate without seam or joint, and with large radii at each corner, said pans

being formed into a set and arranged side by side, each of said pans having a continuous integral flange on all four sides, a half round strap surrounding the series of pans, and arranged with the flat side adjacent the pans, each of the ends of the series of pans having flanges on three of its sides drawn over said half round strap and each of the intermediate pans having flanges on two of its sides riveted together and perforated.

1,627,651. RUBBER HEEL. KURT KAUTZSCH, Philadelphia, Pa. Filed Jan. 13, 1926. Serial No. 80,937. 1 Claim. (Cl. 36—36.)



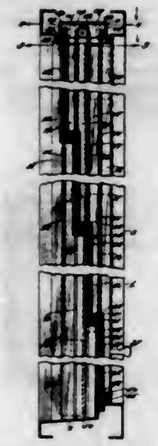
In combination a shoe the conventional heel of which has attached laterally across the underside thereof at its forward portion a long, narrow metal strap having spaced tongue receiving openings entirely thereacross, a heel of rubber having vulcanized therein a metal plate of thin metal having its central portion cut away to lighten construction and having spaced forwardly extended end fingers and a central finger to provide anchors at the heel front, and projected from which plate through the upper face of said rubber heel are a pair of spaced tongues one upon each side of said central finger for engaging said strap openings, and means penetrating the rubber heel and plate at the rear and engaging the shoe heel to interlock said parts.

1,627,652. DISPLAY STAND. ARNOLD KOANICKER and GEORGE ENGEL, New York, N. Y. Filed Sept. 23, 1925. Serial No. 58,163. 2 Claims. (Cl. 211—24.)



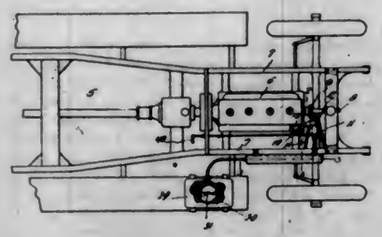
1. A device of the character described, comprising a substantially flat base having an opening therein and a depending peripheral flange forming a support for the base, an L-shaped member formed of relatively wide flat metal having relatively short vertical and horizontal arms, said vertical arm projecting upwardly through and snugly fitting within the opening in said base, said horizontal arm having its upper face lying flat against and secured to the lower face of said base, and supporting means arranged over said base, said means including a hollow standard corresponding in cross sectional shape to and adapted to frictionally receive the upper end of the vertical arm of the said L-shaped member, the lower end of said standard contacting with said base.

1,627,653. SHEET-METAL WINDOW AND BALANCING SHEET-METAL SASHES. GEORGE W. LANCASTER, Richmond, Va. Filed Apr. 14, 1924, Serial No. 706,392. Renewed Mar. 26, 1927. 20 Claims. (Cl. 189—72.)



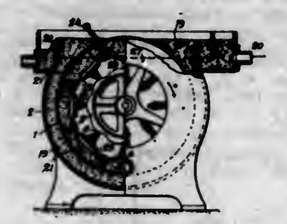
1. In a window and sashes therefor, a casement comprising a lintel, a sill and stiles connecting the ends of the lintel and the sill, a plurality of sashes provided with guide flanges, sash chains connecting certain of the sashes and counterbalancing them, weights including sash chains connected to the other sashes, channel guides for the reception of the extension guide flanges of the sashes and receiving the sash chains, and means for insuring guiding the sashes and retaining the chains in the channel guides to prevent binding and buckling movement from the channel guides.

1,627,654. VEHICLE ATTACHED AND OPERATED TIRE PUMP. RAYMOND O. LEWIS, Ainsworth, Nebr. Filed Oct. 16, 1926. Serial No. 142,042. 1 Claim. (Cl. 230—27.)



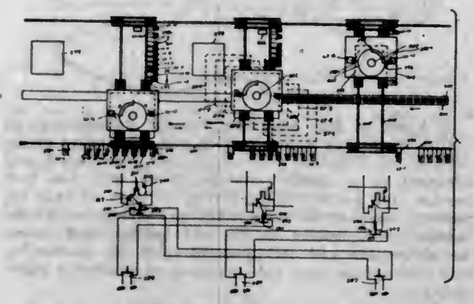
In a tire pump structure for automobiles, an elongated housing, means for rigidly disposing the housing upon one frame bar of the automobile, an air pump mounted within the casing on one end wall thereof, a train of gears mounted between the side walls of the casing, means operatively connecting one end of the train of gears with the air pump, a shaft having a spline association with the other end of the train of gears, said shaft being slidable through an opening in one side of the casing, means for sliding the shaft, driving means for said shaft, said means being engageable and disengageable by the sliding of said shaft.

1,627,655. ROTARY SCREEN FOR SCREENING PULP AND PAPER STOCK. ERNEST W. LINDQUIST, Helsingfors, Finland. Filed July 6, 1925. Serial No. 41,641. 7 Claims. (Cl. 92—36.)



1. A rotary cylindrical pulp screen divided into a plurality of sections and each section forming the outer wall of a chamber; in combination with imperforate flexible diaphragms each closing a chamber corresponding to a screen section, means for vibrating the diaphragms and a pulp outlet for each chamber.

1,627,656. HACKING MACHINE. GRAFTON E. LUCE, Chicago, Ill. Filed Feb. 23, 1926. Serial No. 90,172. 174 Claims. (Cl. 214—89.)

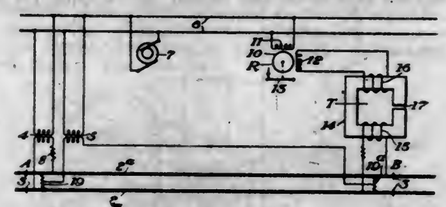


1. The combination of a brick supporting belt, a brick receiver, and a brick handling machine comprising mechanism for picking up brick, other mechanism for segregating the same and automatically controlled by the first-mentioned mechanism and other mechanism for depositing the segregated brick in said receiver.

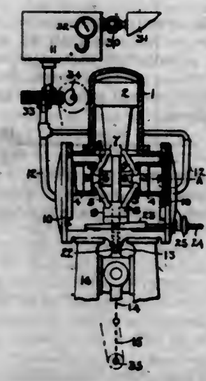
134. In a hacking machine, the combination of a supporting framework, a support movably supported thereby a member movably supported by said support for movement transverse to the plane of movement of the support upon said framework, a controller automatically operable in the movement of said support upon said framework and including a plurality of controls arranged in successive relation, a similar number of controls arranged in superposed relation, said superpositioned spacing being proportional to predetermined distances for securing selective levels of the member, power means for moving said member from one level to another, and connections between the controls of said controller and the superposed controls for controlling said power means to position automatically said member at a predetermined level.

1,627,657. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. SAMUEL M. LUCAS, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1923. Serial No. 659,506. 9 Claims. (Cl. 246—34.)

1. Trackway apparatus for an automatic train control system on a railway of which one track rail is divided to form track sections, comprising a source of alternating track circuit current connected across the rails of a section, a track relay operated by track circuit energy received from the rails of said section, a source of alternating local current connected with two points in the divided rail of said section and capable under abnormal conditions of causing operation of said track relay, and a transformer interposed between said track rails and said track relay and having an air gap in its magnetic circuit and serving to prevent operation of said track relay by said local current under abnormal conditions.



1,627,658. BALANCING SINGLE-ACTING PISTONS. WILHELM MAUBS, Durban, Natal, South Africa. Filed Sept. 2, 1924. Serial No. 735,487. 8 Claims. (Cl. 121—118.)

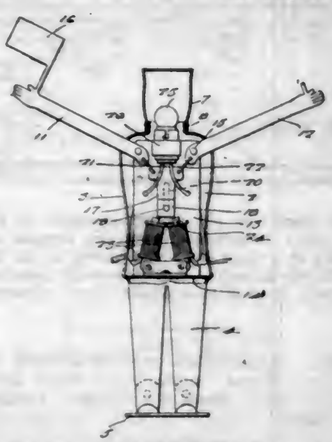


1. In a high compression internal combustion engine having a single acting piston, the combination with the piston of a toggle mechanism comprising four links arranged in quadrilateral formation symmetrically about the axis of the piston, a pair of opposite link ends being movable together towards and from one another transversely to the axis, means to apply inwardly and constantly acting force to each of said pair of link ends, another pair of link ends being movable along the axis and connected to the piston to transmit thereto the force resultant from the constantly acting force and the several links always maintaining, with respect to the axis, the same angularity as each other.

1,627,659. STOP SIGNAL FOR AUTOMOBILES. GEORGE MAY, Oil City, La. Filed Nov. 15, 1924. Serial No. 750,101. 1 Claim. (Cl. 177—329.)

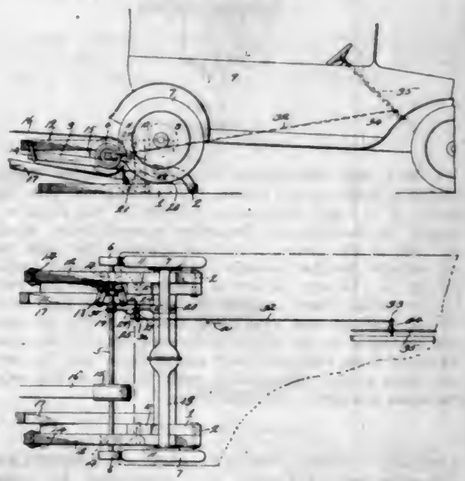
A stop signal comprising a vertical supporting bracket, the lower end portion thereof being disposed laterally, a pair of laterally swinging arms, the inner ends of said arms being pivotally secured to the upper portion of the bracket and being normally disposed vertically, the intermediate portion of the bracket being provided with the longitudinally extending slot, a substantially T-shaped plate, a laterally projecting pin carried by the leg portion of said T-shaped member and operable in said longitudinally extending slot whereby the T-shaped plate

is adapted for vertical sliding movement on the bracket, links connecting the inner ends of the laterally swinging arms to the adjacent arms of the T-shaped plate, an armature carried by the leg portion of the T-shaped plate, and magnetic means supported on the laterally disposed portion of said bracket and adapted for co-



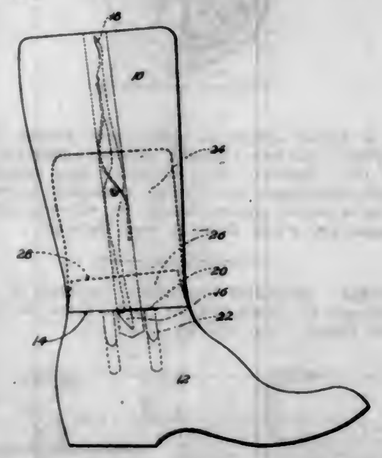
operation with the armature whereby the laterally swinging arms may be moved outwardly to an operative position when the armature is attracted by said magnetic means, said laterally swinging arms being adapted to be returned to their normal poistions when the magnetic means is deenergized.

1,627,660. GOVERNOR FOR POWER ATTACHMENTS. GEORGE B. MAXWELL, Potosi, Mo. Filed Feb. 24, 1926. Serial No. 90,315. 2 Claims. (Cl. 180—53.)



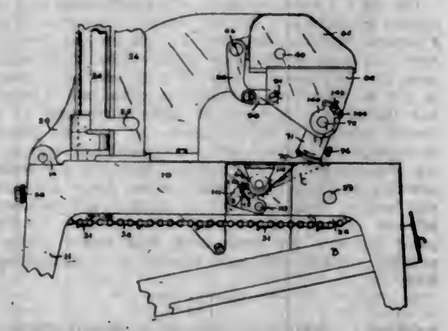
1. The combination with the driven shaft of an auxiliary power device driven by the rear wheels of an automobile supported on the device, a gasoline control lever for the engine of the automobile, of control means for said gasoline control lever, said control means comprising a bell crank lever adjacent the driven shaft, said bell crank lever being rockably mounted in a vertical longitudinal plane and pivotally movable in a transverse plane, a governor carried by the driven shaft and controlling the movement of the bell crank lever, a connecting rod connected to the gasoline control lever, a sleeve threaded on said connecting rod, said sleeve being provided with a pin, said pin being disposed in an aperture of one of the arms of the bell crank lever.

1,627,661. LAST. CHARLES H. MORRILL, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1920. Serial No. 417,712. 5 Claims. (Cl. 18—46.)



1. A set of last apparatus for the manufacture of arctics comprising a foot portion and a plurality of leg portions of different vertical profiles constructed and arranged to co-operate interchangeably with the foot portion, the surface of separation of each of said leg portions being of the same shape and dimensions as the surface of separation of the foot portion, and means for detachably and rigidly securing a leg portion to said foot portion with their surfaces of separation registering.

1,627,662. ADDRESSING MACHINE. LAWRENCE H. MOSER, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 30, 1925. Serial No. 65,725. 57 Claims. (Cl. 101—52.)

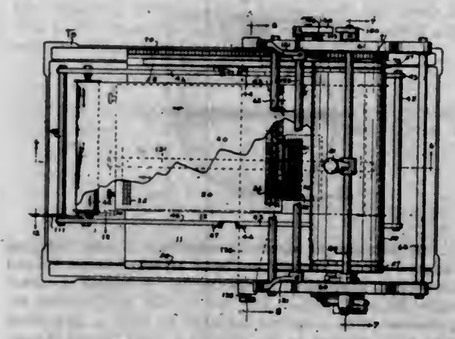


1. The combination of a printing member, a platen, means for revolving the platen continuously, and means for moving the axis of revolution in a single plane to cause the platen to roll across the printing member.

31. In a printing machine, the combination of a flat form, a revoluble platen adapted to coact therewith, means for revolving the platen continuously about an axis, and means for reciprocating said axis in a single plane parallel with the form, one stroke of said reciprocation being while the platen is in contact with the form.

41. In a printing machine, the combination with means for holding the form, a platen mounted to revolve about an axis, a driving device, a train of spur gearing connecting the driving device with the platen, and means for shifting the axis of the platen while preserving the meshing of said gearing.

1,627,663. PRINTING MACHINE WITH CHANGEABLE FORM. LAWRENCE H. MORSE, Cleveland, Ohio, assignor to The American Multigraph Company, a Corporation of Ohio. Filed Jan. 7, 1926. Serial No. 79,731. 27 Claims. (Cl. 101—274.)



1. In a printing machine, the combination of means for supporting a printing form, a cooperating platen, two pivoted frames each adapted to carry a ribbon spool between which a ribbon may extend over the form, and mechanism acting on one of the spools adapted to wind in the ribbon step by step.

1,627,664. SAFETY-RAZOR-BLADE HOLDER. HENRY S. NODDINGS, Springfield, Mass. Filed Nov. 5, 1924, Serial No. 747,886. Renewed Oct. 12, 1926. 1 Claim. (Cl. 30—25.)



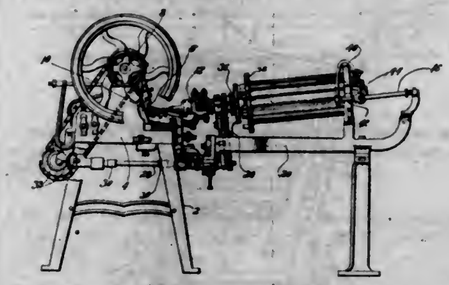
The combination, in a safety-razor-blade holder, with a sheet-metal jaw having lugs punched out intermediate of the ends of the same, and provided with inserted studs, and a second sheet-metal jaw having lugs punched out intermediate of the ends of the same, and perforated to form openings to receive said studs, both of said jaws having blade-gripping parts, of a rod extending through all of said lugs, and an approximately V-shaped spring, the free terminals of which extend outwardly, mounted with its heel on said rod and with the free end portions only of said terminals engaging the rear terminal portions of said jaws adjacent to the rear edges thereof.

1,627,665. ROOF. FREDERICK O. OVERBURY, Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 8, 1921. Serial No. 513,664. 19 Claims. (Cl. 108—8.)



1. A roof composed of overlapping courses of material, the exposed surface portions of each course lying adjacent the edge of the overlying courses being depressed below the normal level of the remaining surface portions, and the portions beneath said overlying course being at the normal level.

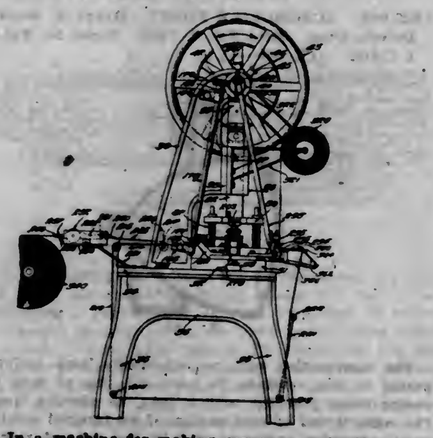
1,627,666. NAIL-MAKING MACHINE. MERTON D. PHELAN, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 21, 1921. Serial No. 446,656. 44 Claims. (Cl. 10—174.)



9. A machine of the class described having, in combination, means for operating upon elongated blanks, a rotary carrier for presenting the blanks to the operating means, a lever fulcrumed upon the carrier, a feed dog fixedly carried by the lever, a second feed dog movably carried by the lever, and means for oscillating the lever arranged to shift the movable feed dog into engagement with a blank to grip the blank between the dogs during the feeding movement of the lever and to permit the release of the movable dog from gripping engagement with the blank during the return movement of the lever.

30. Blank feeding mechanism having, in combination, a blank carrier, means for feeding blanks thereto, a feeler arranged normally to contact with a blank in said carrier and displaced upon movement of a blank out of contact therewith, means for supplying blanks to said carrier, a pair of wipers arranged in the path of movement of a portion of said feeler when in its displaced condition, first to initiate the operation of said blank supplying means and second to restrain operation thereof after a single blank supplying movement, the second wiper being arranged to move said portion of the feeler so that the first wiper is no longer in the path thereof.

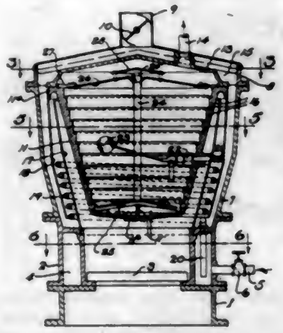
1,627,667. MACHINE FOR MAKING CORNER MOUNTS. LESTER S. RILEY, Reading, Mass. Filed June 17, 1924, Serial No. 720,540. Renewed Nov. 29, 1926. 60 Claims. (Cl. 93—1.)



11. In a machine for making corner mounts, the combination of means for feeding a continuous strip of ad-

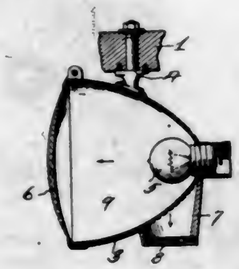
hesive coated material, means for turning over two edges of said strip into a contiguous right-angled relation to each other and means for applying a cap to said turned over edges to form a corner receiving pocket.

1,627,668. STEAM GENERATOR. METER ROBBINS, Malden, Mass. Filed Jan. 23, 1924. Serial No. 687,057. 5 Claims. (Cl. 122—39.)



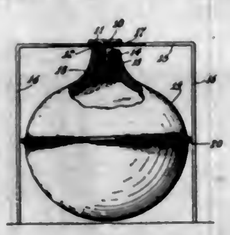
1. A steam generator comprising a water-jacketed fire box section, and an outside casing having a flue connection, an inverted frusto-conical shell mounted within and spaced from said casing and having a closed bottom disposed directly over the fire-box and a cover provided with a steam outlet, said shell and cover constituting a steam chamber, a pair of spaced shells disposed within the space separating said steam chamber shell from the casing and defining with said parts an upwardly and downwardly directed passage for the circulation of heat from the fire-box, a pre-heating coil disposed in the space between said pair of heat circulating shells and connecting at one end with said water jacket of the fire-box section and at its other end delivering into said steam chamber shell, a float regulating the passage of water from said coil into said shell, and a tube arranged axially within said shell, a vacuum check valve closing the upper end of said pipe, and deflectors at either end of said pipe for directing the water into said pipe from below and downwardly back into the shell from above whereby the water is given a traversing movement of the shell alternately in opposite directions.

1,627,669. AUTOMOBILE LIGHT. HARRY R. SHEARER, Dorena, Oreg. Filed Feb. 7, 1923. Serial No. 617,522. 1 Claim. (Cl. 240—41.)



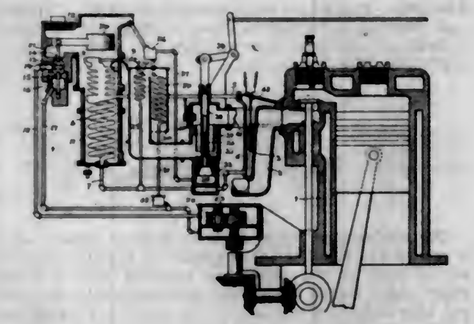
The combination with an automobile lamp casing tapering in size towards its rear end, one of said lamp casing being provided with a lens, an electric lamp in the reduced end of said casing, of an integral relatively small extension casing carried by the reduced rear end of the lamp casing at a right angle to the axis of the lamp casing relatively close to the electric lamp and in a position whereby light rays from the lamp will pass outwardly therefrom at a right angle to the axis of the lamp, a lens carried by the outer end of the auxiliary casing and a supporting member carried by the casing at the opposite side thereof to the auxiliary extension casing and in the plane of the extension casing.

1,627,670. ATTACHMENT DEVICE. FLORAIN J. SHOOK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 669,743. 3 Claims. (Cl. 206—65.)



1. An attachment device comprising a part adapted to engage one of the members to be attached and a hooked wire portion adapted to be sprung into a female threaded member by axial thrust, the end of said wire portion being formed with a corner adapted to have a cam-latch action with relation to the threads of said female threaded member.

1,627,671. FUEL VAPORIZER. WILLIAM E. SHOBE, Staten Island, N. Y. Filed Feb. 8, 1924. Serial No. 691,502. 6 Claims. (Cl. 123—133.)



1. In a fuel vaporiser, the combination with an engine exhaust having a chamber manifold adapted to contain a heat absorbing fluid, of a closed fuel chamber, a hollow heat distributing member arranged within said fuel chamber and connected with said fluid chamber and adapted to circulate said heat absorbing fluid in a closed cycle, a carbureter having an air intake, means for feeding the vapor produced in the fuel chamber to said carbureter, and means for maintaining a supply of fuel in the fuel chamber at a predetermined level.

1,627,672. SOUND AMPLIFIER FOR RADIOTRANSMISSION. CHARLES O. SNYDER, Richmond, Ind. Filed June 19, 1922. Serial No. 569,408. 1 Claim. (Cl. 181—27.)

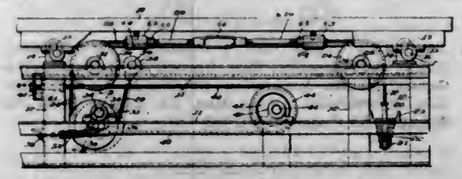
A sound amplifier for radio transmission comprising in combination, a concave reflector forming the body of

the device, a tubular conductor located inside the reflector with one end of the conductor directed inward toward the vortex of the reflector, the inner portion of



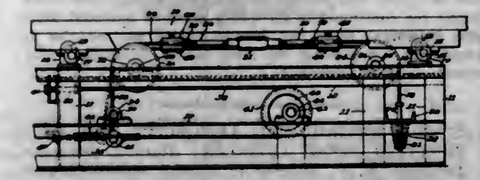
the conductor being formed flaring, and the lower portion of the conductor being cut away and forming a bottom therefor, all substantially as set forth.

1,627,673. OPERATING MEANS, ALBERT H. STEBBINS, Los Angeles, Calif. Filed Feb. 6, 1926. Serial No. 86,533. 9 Claims. (Cl. 74—14.)



1. In combination with a frame supported for back and forth movement, operating means for imparting a progressive, vibratory movement to the frame, comprising a sheave, a cable looped about the sheave and having one end anchored and its other end secured to said frame, a rocking support for said sheave constructed to move the sheave bodily to and from a dead centre position with respect to said cable, and means for rocking said support thru a limited angle lying near said dead centre position.

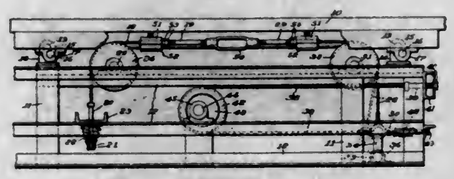
1,627,674. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Feb. 6, 1926. Serial No. 86,618. 4 Claims. (Cl. 74—14.)



1. In combination with a frame supported for back and forth movement, operating means for the frame, comprising a crank arm that extends from its axis of rotation in the direction of the cable take-up movement, a cable having one end connected to said frame and its other end secured to the crank arm, means for rocking said arm through a limited angle to tighten and slack off the cable, and adjustable means for varying the position of the arc through which the crank arm swings.
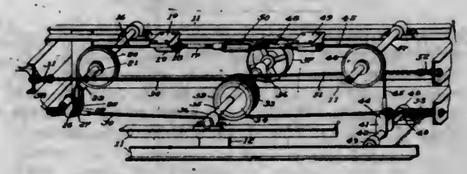
1,627,675. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Feb. 6, 1926. Serial No. 86,534. 8 Claims. (Cl. 74—14.)

1. In combination with a frame supported for back and forth movement, operating means for the frame, comprising a rocking element or arm supported to extend from its axis of rotation in the direction of cable let-off movement, a cable extending from the arm to the frame, and means for rocking the element or arm through



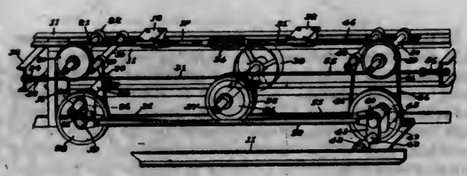
a small angle to and from its dead centre position with respect to the cable to thereby tighten and slack off the cable.

1,627,676. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 13, 1926. Serial No. 101,722. 24 Claims. (Cl. 74—14.)



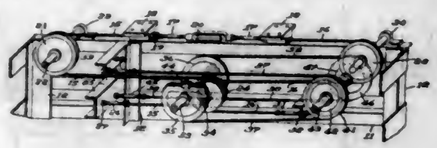
1. In combination with a frame supported for back and forth movement, operating means for the frame, comprising a rocking arm supported to extend from its axis of rotation in the direction of cable let-off movement, a cable extending from the arm to the frame, a second rocking arm supported to extend from its axis of rotation in the direction of cable take-up movement, a cable extending from said second arm to the frame, and power means for rocking said arms to positively move the frame back and forth with a progressive movement.

1,627,677. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 13, 1926. Serial No. 101,723. 16 Claims. (Cl. 74—14.)



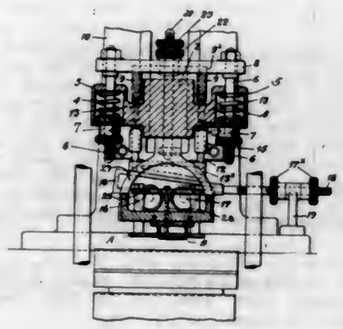
1. In combination with a frame supported for back and forth movement, operating means for the frame, comprising a pair of rocking arms supported to extend in opposite directions from the pivot points about which they rock, a connection between the frame and one arm to move the frame in one direction, a connection between the frame and other arm to move the frame in the opposite direction, a connection for transmitting the movement of one arm in either direction to the other, and means for rocking said arms.

1,627,678. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed May 14, 1926. Serial No. 109,183. 15 Claims. (Cl. 74—14.)



1. In combination with a frame supported for back and forth movement, operating means for the frame comprising a shaft having a cable actuating portion off-set from the axis of the shaft in the direction in which one of the cables connected to said portion extends from the same, a pair of cables extending in opposite directions from said portion to the frame, and means for rocking said portion through a limited angle to and from the maximum left-off position of one of said cables to thereby actuate the cables so that they pull the frame back and forth with a progressive movement.

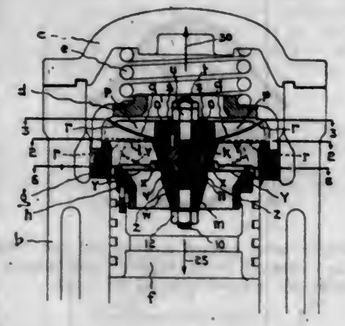
1,627,679. BISCUIT OR LIKE EMBOSSING AND CUTTING MACHINE. THOMAS VICARS and EDWARD LYNTON VICARS, Earlestown, England. Filed Dec. 22, 1920, Serial No. 432,588, and in Great Britain June 30, 1919. 5 Claims. (Cl. 107—26.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



5. In a biscuit embossing and cutting machine, a movable cross head, ejectors, bars carrying said ejectors and adapted to be operated in the movement of the cross head, tension springs providing a yielding connection between said bars and cross head, stops connected with said bars, cooperating stops movable in the frame of the machine, and wedge members arranged in cooperating pairs at each side of the machine to actuate the cooperating stops to limit the descent of the bars, each pair of wedge members being independently adjustable to thereby vary the descent of each side of the ejectors at will to regulate the level of the ejectors.

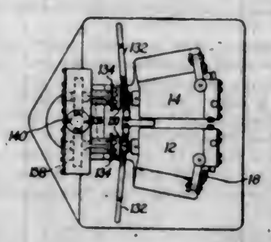
1,627,680. VALVE FOR GAS COMPRESSORS. CARL W. VOLLMANN, Montreal, Quebec, Canada. Filed Nov. 8, 1923. Serial No. 673,484. 3 Claims. (Cl. 251—119.)

1. In a compressor, the combination with a valve cage, of a valve seat having a hub presenting a flat face, spring steel valves having their inner ends located within the area of the hub and turned or bent at right angle to their main length, and a chambered device for accom-



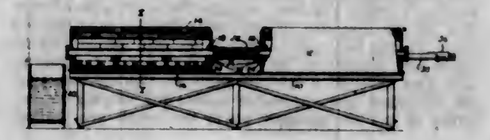
modating the turned ends of the spring valves, and means coacting with the chambered device for clamping the turned ends of the valves in place.

1,627,681. WINDING MACHINE AND METHOD. HENRY S. WOODRUFF, East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 699,234. 39 Claims. (Cl. 153—67.)



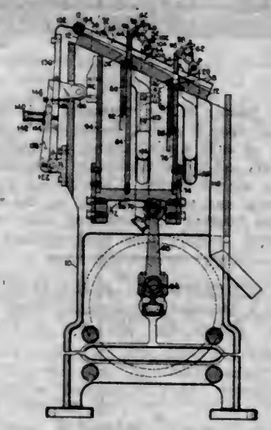
1. In a machine of the character described, a member fixed against rotation and having a reduced end, the portion of larger size having an end face of helicoidal form, means for continuously feeding a strip of material along said helicoidal face, and means spaced around the reduced end for bending the strip into a continuous coil; substantially as described.

1,627,682. METHOD AND APPARATUS FOR HEAT TREATING STEEL ARTICLES. JOHN F. WYZALEK, Arlington, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 699,235. 9 Claims. (Cl. 266—5.)



1. Apparatus for heat treating steel articles, having, in combination, a furnace having a tube extending through the heating chamber, a second furnace spaced from the first and having a tube extending through the heating chamber, and an unheated tube section joining said furnace tubes; substantially as described.

1,627,683. GAUGING MACHINE. JOSEPH G. AYERS and WILLIAM H. CHAPMAN, Montclair, and MAX E. BERLOWITZ, Belleville, N. J., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 7, 1924. Serial No. 704,692. 35 Claims. (Cl. 209—73.)



1. In a gauging machine, a support having a series of slots, with opposite gauging surfaces successively further spaced from each other at the succeeding slots, and means for pressing an article against the gauging surfaces; substantially as described.

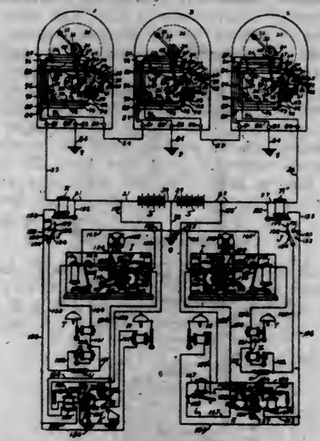
1,627,684. LATCH FOR EMBOSSING MACHINES. ALBERT H. BATES, Shaker Heights, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 9, 1925. Serial No. 67,784. 46 Claims. (Cl. 197—6.2.)



1. The combination of a keyboard having finger keys, stopping members operated thereby respectively, a device shiftable transversely of said stopping members, a member shiftable with said device and adapted to coact with said key operated member, and a locking device normally out of position to engage said key operated member but under the control of said movable member moved into position to engage said key operated member.

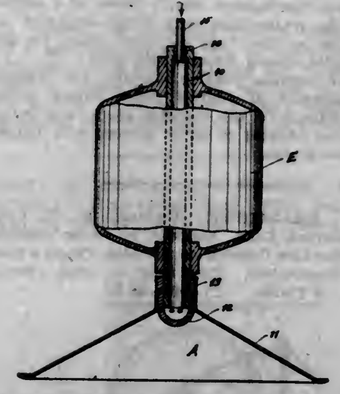
1,627,685. SIGNALING SYSTEM. CLARENCE B. BRACH, Binghamton, N. Y., assignor to The Gamewell Company, Newton, Mass., a Corporation of Massachusetts. Filed Oct. 23, 1923. Serial No. 670,339. 32 Claims. (Cl. 177—364.)

30. In a signaling system, a signaling circuit, means connected in said circuit for selectively formulating two classes of impulses therein, two signal manifesting devices, one of which includes means for connecting it to said circuit to respond to all impulses therein, selective means responsive to only one of the classes of impulses to connect the other of said signal manifesting devices to said circuit to make it responsive to all impulses therein and means responsive to each impulse to condition the selective means for response to impulses of the proper class until the expiration of a time longer than



the longest interval between the impulses of any signal during which time no signal impulses are formulated in said circuit.

1,627,686. HUMIDIFIER. RAGNAR CARLSTEDT, Stockholm, Sweden, assignor to Midwest Air Filters, Incorporated, a Corporation of New York. Filed July 2, 1924. Serial No. 723,850. 1 Claim. (Cl. 299—63.)

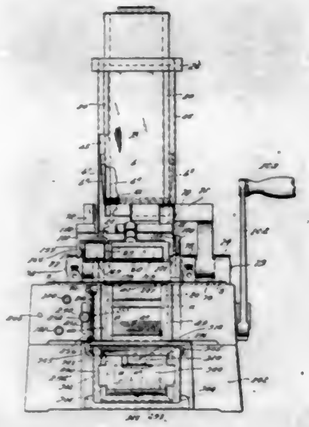


A humidifier comprising an electric motor, the shaft of said motor being hollow to provide a fluid passageway therethrough, and having a restriction at one end thereof, a fluid supply pipe extending into said hollow shaft through and beyond said restriction, the other end of the hollow shaft having a perforated cap secured thereto, and a funnel-shaped spreader secured at its smaller end to said cap, the perforations in the cap being positioned to direct the liquid from the hollow shaft along the surface of the spreader remote from the motor, said spreader having a reversely curved peripheral rim.

1,627,687. ADDRESSING MACHINE. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 9, 1922. Serial No. 593,215. 36 Claims. (Cl. 101—57.)

1. In an addressing machine, the combination of means for feeding address plates, an impression platen, an op-

erating lever, mechanism connecting the lever with the plate feeding means, and a cam connection between the lever and the platen adapted to move the platen to a definite position irrespective of the force applied to the lever.

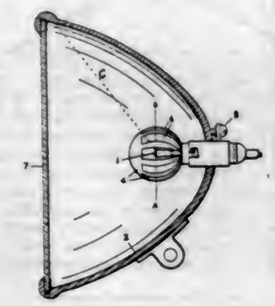


10. In the plate feeding mechanism of an address printing machine, the combination of a reciprocating feed bar having a notched edge and a pawl having a tongue movably occupying the notch and a spring between the edge of the bar and pawl.

22. In a restacking mechanism for address printing machines the combination with a frame of a supporting strip for the plates, said strip being supported at one end and free at the other end, and means for guiding an open ended drawer beneath said strip.

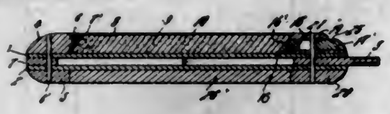
33. In an address printing machine, the combination with a magazine of address plates having projecting tongues adjacent to the opposite edges, and means in the magazine adapted to enter between said tongues to position said plates.

1,627,688. HEADLIGHT. CHARLES R. B. CLAFLIN, East Hartford, Conn., assignor, by mesne assignments, to The Siko-Lite Corporation, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 18, 1924. Serial No. 738,551. 6 Claims. (Cl. 240—48.6.)



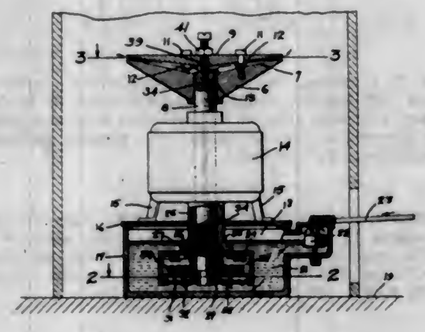
4. In a headlight the combination of a bulb and a reflector, a reflector coating applied as a disk to the forward end of the bulb, said disk having reflecting arms extending back therefrom parallel to the longitudinal axis of the bulb, said arms ending at points diametrically opposite the outer edge of said disk.

1,627,689. KNIFE. JAMES J. CORBETT CULVER, Camden on Gauley, W. Va. Filed May 27, 1925, Serial No. 33,226. Renewed Mar. 29, 1927. 3 Claims. (Cl. 7—11.)



1. A knife handle of the character described comprising a pair of spaced plates, butts and a handle plate fixed to one of said spaced plates, a housing including outer side and end walls removably associated with the other of said spaced plates, a sharpening stone received in said housing, and tongues formed on the side and end walls of said housing for retaining said stone in the housing.

1,627,690. CENTRIFUGAL FLUID-FUEL BURNER. FREDERICK S. DENISON, Minneapolis, Minn. Filed Mar. 10, 1924. Serial No. 698,109. 4 Claims. (Cl. 158—77.)



1. A reservoir as a base, a motor housing upon the top wall of said reservoir having a cylindrical extension within the reservoir, said extension having a terminal chamber, a motor within the housing having a shaft journaled in said extension, said shaft having an axial passage, a disk-pump within said chamber supported thereby and by said shaft, and adapted to discharge into said axial passage, and a centrifugal burner head upon said shaft above the motor, adapted to receive oil from said axial passage and distribute the same in sheet form horizontally.

1,627,691. SMOKELESS EXPLOSIVE POWDER AND PROCESS OF MAKING SAME. FRANCIS I. DU PONT and ERNEST DU PONT, Wilmington, Del., assignors, by mesne assignments, to U. S. F. Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed June 12, 1918, Serial No. 239,531. Renewed Apr. 5, 1921, Serial No. 458,694, renewed Oct. 19, 1921, Serial No. 508,831. This application filed May 3, 1922. Serial No. 558,251. 11 Claims. (Cl. 52—11.)

1. An improved granular smokeless powder containing nitrocellulose and also an explosive ingredient having a substantially higher content of oxygen than nitrocellulose, the grains having perforations which give the powder a density of loading at least fifteen per cent less than that required for smokeless powder composed substantially wholly of nitrocellulose.

1,627,692. SMOKELESS EXPLOSIVE POWDER AND PROCESS OF MAKING SAME. FRANCIS I. DU PONT and ERNEST DU PONT, Wilmington, Del., assignors, by mesne assignments, to U. S. F. Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed Jan. 24, 1919, Serial No. 272,857. Renewed Apr. 5, 1921, Serial No. 458,695, renewed Oct. 19, 1921, Serial No. 508,832. This application filed May 3, 1922. Serial No. 558,252. 7 Claims. (Cl. 52—37.)

1. The process of making "flashless" smokeless propellant powder which comprises adding to and thoroughly incorporating barium nitrate and potassium nitrate with soluble nitrocellulose, and afterward completely colloiding said nitrocellulose with ether and alcohol to produce a homogeneous body retaining the said barium nitrate and potassium nitrate distributed through the finished explosive.

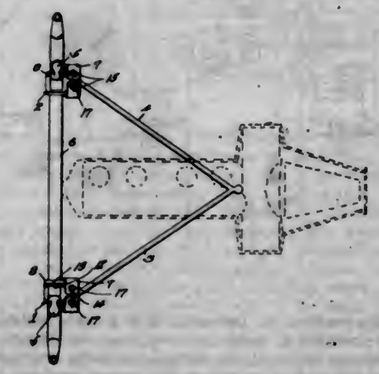
1,627,693. SMOKELESS EXPLOSIVE POWDER AND PROCESS OF MAKING SAME. FRANCIS I. DU PONT and ERNEST DU PONT, Wilmington, Del., assignors, by mesne assignments, to U. S. F. Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed Jan. 24, 1919, Serial No. 272,857. Divided and application filed Apr. 24, 1920, Serial No. 376,267. Renewed Jan. 24, 1921, Serial No. 439,689. This application filed Aug. 8, 1921. Serial No. 490,728. 21 Claims. (Cl. 52—10.)

1. The process of making "flashless" smokeless propellant powder with a progressively increasing rate of burning which comprises adding to and thoroughly incorporating with soluble nitrocellulose a flame propagating agent, and afterward completely colloiding with ether and alcohol and retaining the flame propagating agent in the finished explosive.

1,627,694. SMOKELESS EXPLOSIVE POWDER. FRANCIS I. DU PONT and ERNEST DU PONT, Wilmington, Del., assignors to U. S. F. Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 23, 1921. Serial No. 447,229. 5 Claims. (Cl. 52—7.)

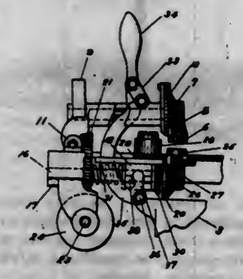
2. A "flashless" smokeless propellent powder which comprises a preponderating proportion of colloided nitrocellulose containing a relatively small proportion of potassium bichromate and charcoal distributed throughout the mass of the nitrocellulose.

1,627,695. RADIUS-ROD CLAMP. SAMUEL C. EWENS, Springhill, La. Filed Mar. 15, 1924. Serial No. 699,585. 5 Claims. (Cl. 267—66.)



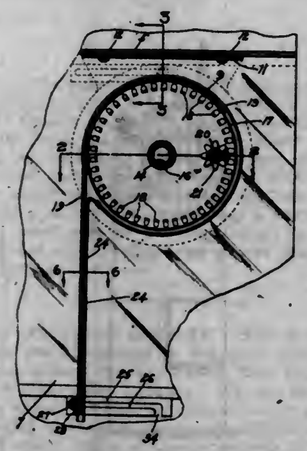
1. A staying device for the front end portion of a radius rod of an automobile having a front axle formed with a horizontal flange at its upper side, said staying member comprising a body having a supporting portion and a hook-shaped attaching portion adapted to extend across the front axle and having a bill engageable with the forward edge portion of the flange at the upper side of the front axle, and a substantially U-shaped hanger member having the arms thereof secured to said supporting portion of the body and depending at opposite sides of the front portion of an adjacent radius rod, said hanger member having the bend portion thereof disposed underneath and at the sides of the front portion of the adjacent radius rod for preventing downward movement of the front portion of the radius rod relatively to the axle, said hanger member being open between its arms from the upper side of said portion of the radius rod to the supporting portion of the body of the device.

1,627,696. MACHINE FOR OPERATING UPON CASTING PATTERNS. EDWARD E. FOSTER, Beverly, Mass. Filed Nov. 22, 1922. Serial No. 602,602. 9 Claims. (Cl. 154—1.)



1. A machine for operating upon a casting pattern having a marginal flange, having, in combination, a pair of rolls arranged to engage the top and bottom faces of the pattern, respectively, a roll arranged to engage the outside face of the flange, and a single means for relatively moving two of the rolls in two directions.

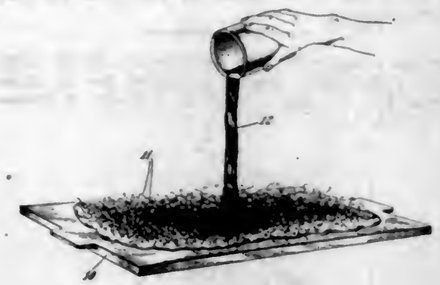
1,627,697. WINDOW-RAISING DEVICE. WALTER F. FREDERICKS, Minneapolis, Minn. Filed Jan. 28, 1924. Serial No. 689,007. 6 Claims. (Cl. 268—129.)



1. A wall having a sash well therein, a sill fitting over said well and having a slot therein, a sash vertically slidable in said slot, a drum secured to the under

side of said sill and depending therefrom, a crank-operated mechanism supported by and nested within said drum and a ribbon slidably supported against a buckling and operatively connected to said crank-operated mechanism and to said sash.

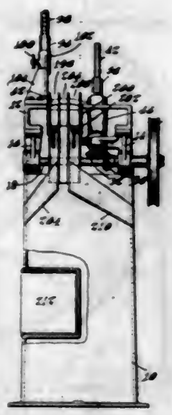
1,627,698. PACKING AND METHOD OF MAKING THE SAME. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 6, 1924. Serial No. 690,964. 5 Claims. (Cl. 154—2.)



1. The method of making a packing member which comprises mixing metal in fine, attenuated strips with a solution of curable rubber, evaporating the solvent, and molding and vulcanizing the resultant mixture in the form of a finished packing member.

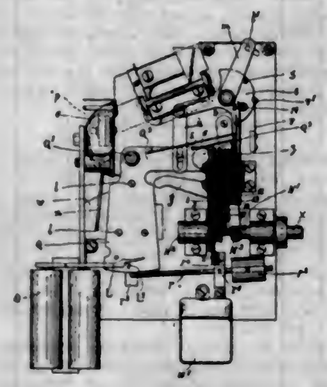
5. The method of making a packing member which comprises forming a sheeted mixture of curable rubber and metal floss, cutting a strip from the sheet, wrapping said strip about an annular core of curable rubber, and molding and vulcanizing the assembled strip and core.

1,627,699. GAUGING MACHINE. FRED C. GRISWOLD, Newark, and WILLIAM H. CHAPMAN, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 27, 1924. Serial No. 734,369. 31 Claims. (Cl. 209—90.)



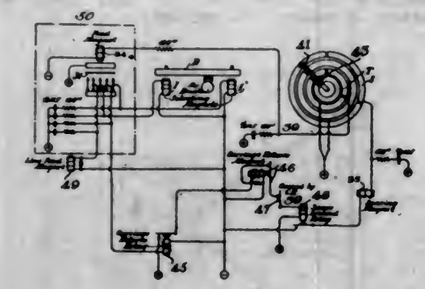
1. In apparatus of the character described, a gauge plate, means for moving articles along said gauge plate, and a gauge blade movable parallel to said gauge plate at a predetermined distance therefrom to expel articles that exceed a predetermined dimension; substantially as described.

1,627,700. COIN-COLLECTING APPARATUS FOR TELEPHONE SERVICES. FREDERICK WILLIAM HALL, London, England. Filed Nov. 28, 1924, Serial No. 752,732, and in Great Britain Aug. 23, 1924. 35 Claims. (Cl. 179—6.5.)



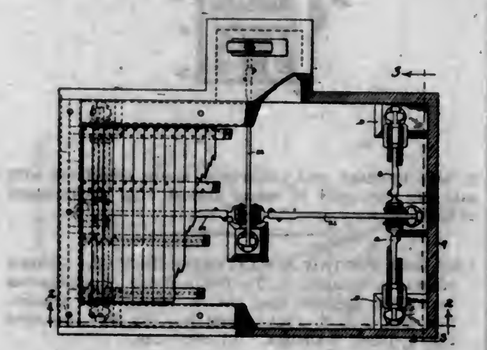
1. In coin collecting apparatus for telephone services the combination of a coin chute, an automatic movable device for projecting coins into said chute, an automatic locking device for restraining said coin projector from projecting coins into said chute adapted to move by gravity to deposit the coins, and electrically actuated means for releasing said coin projector.

1,627,701. SYSTEM FOR TRANSMITTING AND REPRODUCING PICTURES. MERTON C. HALL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 20, 1923. Serial No. 681,850. 10 Claims. (Cl. 178—18.)



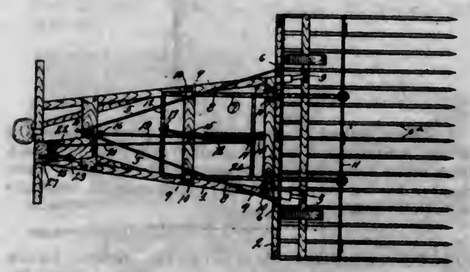
1. The method of transmitting a picture which consists in making a record in code form corresponding to the characteristics of the picture elements, transmitting current impulses to reproduce said record, applying coloring material to a surface at the receiving end, and electrically governing said application by the reproduced record.

1,627,702. PLATFORM LEVER MECHANISM FOR SCALES. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 25, 1920. Serial No. 361,251. 29 Claims. (Cl. 265—71.)



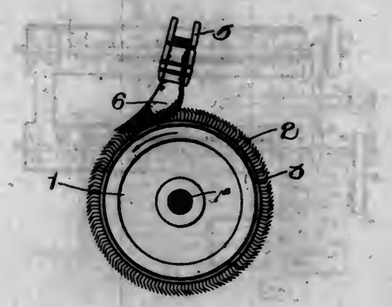
1. In a scale, in combination, a plurality of levers, a load pivot on each lever, platform supports swingingly carried by said load pivots, and a platform structure hinged on said supports.

1,627,703. HAY-SWEEP LOAD REMOVER. BERNARD G. HEYWOOD, Scribner, Nebr. Filed Dec. 13, 1924. Serial No. 755,717. 1 Claim. (Cl. 56—395.)



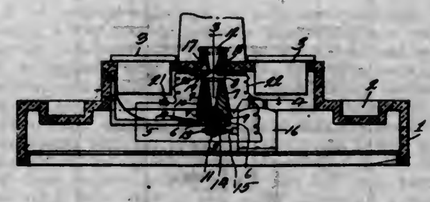
A sweep rake comprising a main frame, a tooth frame pivotally connected to the main frame at its forward end, means for assisting in discharging the load from the tooth frame, said means comprising a horizontally disposed U-shaped frame slidably mounted in bearings of the main frame, a transversely disposed hay engaging member carried by the forward end of the U-shaped frame above the toothed frame, a coiled spring anchored to the forward end of the main frame and extending rearwardly, a cable anchored adjacent the rear end of the main frame and extending forwardly under the U-shaped frame, a pulley carried by the rear end of said spring, said cable extending upwardly through said pulley and rearwardly and anchored to the rear end of the U-shaped frame and a rotatable drum adjacent the rear end of the main frame, a cable connected to the U-shaped frame and the drum and forming means whereby said frame may be forced rearwardly against the action of the coiled spring.

1,627,704. BRISTLE-POINTING DEVICE. RIICHIRO IZAWA, Kyoto, Japan. Filed Dec. 29, 1925, Serial No. 78,178, and in Japan Feb. 2, 1925. 4 Claims. (Cl. 300—1.)



1. A bristle-pointing device, comprising a rotatable wheel, a plurality of pins extending radially from the periphery of said wheel, and an abrading material secured to the surfaces of said pins.

1,627,705. DESK SET AND PENCIL SHARPENER. KIRK A. JOHNSON, Omaha, Nebr., assignor of one-half to Riley F. Beach, Douglas County, Nebr. Filed Jan. 23, 1923. Serial No. 614,403. 1 Claim. (Cl. 120—96.)

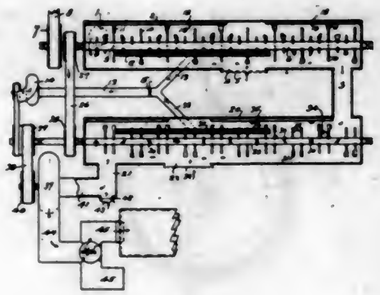


A pencil sharpener comprising spaced vertically disposed sharpening cones in parallel relation to each other, a support beneath said cones, gears carried by the lower ends of the cones and smaller than the lower ends of the cones, a gear disposed between the cone gears in the plane thereof and meshing therewith, a shaft carried by said last named gear, means for rotating said shaft, said cones having their lower ends spaced whereby upon inserting a pencil between the cones it will be limited in its downward movement by engagement with the gear disposed between the cones.

1,627,706. FLUFFING MACHINE. PERRY E. KRONLUND, Tacoma, Wash., assignor of forty-nine one-hundredths to Anton Ohlson, Tacoma, Wash. Filed July 13, 1926. Serial No. 122,105. 5 Claims. (Cl. 19—90.)

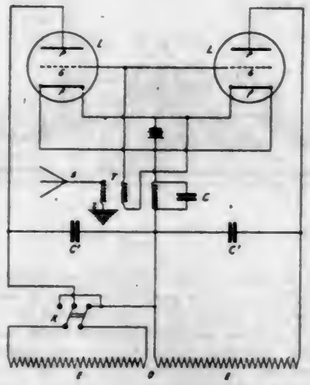
1. In a fluffing machine, the combination of a horisontal drum, having a receiving opening at one end, adapted to admit air and a supply of fibrous material to be cleaned and fluffed, a discharge opening at the other end, and an intermediate opening, formed in the shell thereof; a notched baffle plate secured within the drum and extending inward therein; a rapidly rotating shaft axially mounted in said drum; a plurality of radial rods mounted

thereon and extending therethrough, whereby the fibrous material is beaten and disentangled and the refuse matter separated therefrom; and an adjustable slide mounted



on said drum and adapted to partially close said intermediate opening, whereby the supply of air therethrough is controlled.

1,627,707. RADIO SIGNALING SYSTEM. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 19, 1921, Serial No. 493,664, and in France Aug. 16, 1915. 19 Claims. (Cl. 256—36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a radio signaling system, the combination of two vacuum tubes each having an anode and a cathode, an alternating current source having a tone frequency, a coil connected in shunt to the terminals of the alternating current source and a connection from a mid point of said coil to said cathodes, said plates being connected to said coil at opposite sides of said mid point.

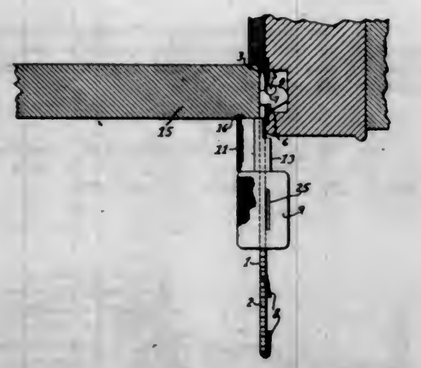
1,627,708. PUMP JACK. JOHN AUGUST LUND, Batavia, Ill., assignor to Challenge Company, Batavia, Ill., a Corporation of Illinois. Filed Oct. 18, 1926. Serial No. 142,326. 2 Claims. (Cl. 74—14.)

1. The combination with a pump jack comprising a reciprocable member, driving gears operatively connected to said member, a standard for supporting said gears, a shaft fixed in said standard, said gears being mounted on said shaft on either side of said standard, a clip fixed



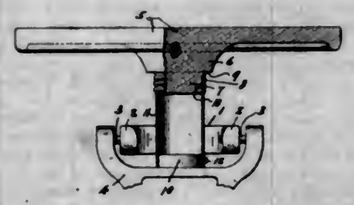
to said standard, and cooperating means associated with said clip and gears to insure against axial displacement of said gears.

1,627,709. PORTABLE FASTENING DEVICE. JOSEPH MENCHEN, Summit, N. J. Continuation of application Serial No. 328,736, filed Oct. 6, 1919. This application filed July 9, 1921, Serial No. 483,408. Renewed Oct. 8, 1926. 5 Claims. (Cl. 292—289.)



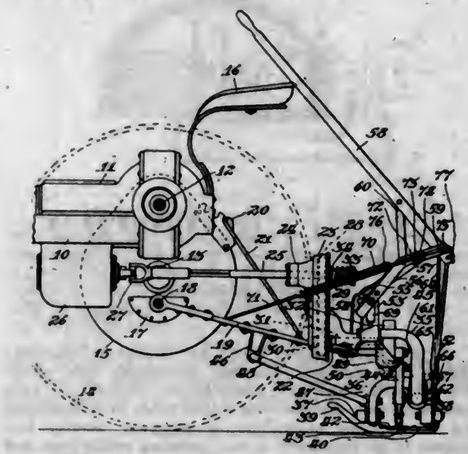
1. As an article of manufacture, a portable fastening device comprising a shank having ears near one end, teeth along both edges, a sliding member, and a revoluble member having partial helices at both ends to cooperate with said teeth.

1,627,710. WEIGHING-SCALE PLATE. GUSTAV OHAUS, Maplewood, N. J. Filed Aug. 6, 1926. Serial No. 127,516. 3 Claims. (Cl. 265—27.)



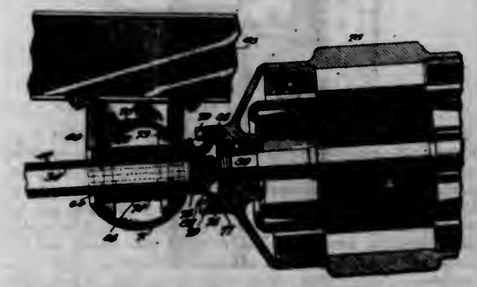
1. A platform or pan for weighing scales, comprising a molded body of glass, having integrally formed in connection with its under side a centrally disposed downwardly directed externally threaded shank for the purposes described.

1,627,711. LIFTING DEVICE FOR TRACTOR MOWERS. CHARLES PEARSON, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 15, 1923. Serial No. 674,804. 27 Claims. (Cl. 56—25.)



1. The combination with a tractor draft bar, of a mower attachment for said draft bar including a base member mounted on the draft bar, a coupling frame member rockably connected to the base member, a cutter bar carried by the coupling frame member, a lever fulcrumed on said base member, and means connecting the lever and cutter bar whereby the same may be adjusted to a raised position.

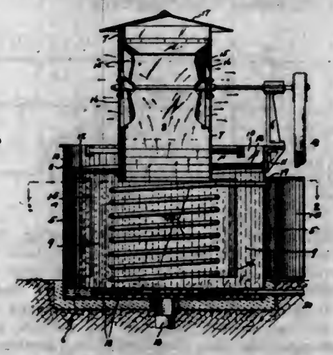
1,627,712. POWER TRANSMISSION FOR VEHICLES. JACOB H. SCHUACH, Philadelphia, Pa., assignor of one-half to William H. Heise, Los Angeles, Calif. Filed Dec. 10, 1923. Serial No. 679,647. 25 Claims. (Cl. 180—73.)



1. In a device of the character stated, the combination of a motor, a motor casing, a supporting structure, a train of gearing, connections common to said motor and gearing and a universal joint surrounding said structure and positioned between said motor casing and gearing and serving as a support for said connections and motor, whereby the latter is adapted to counterbalance the gearing and its adjuncts.

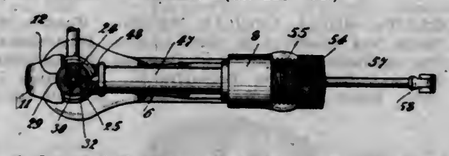
1,627,713. HEAT-TRANSFER APPARATUS. JAMES M. SEYMOUR, Newark, N. J. Filed July 16, 1926. Serial No. 122,799. 4 Claims. (Cl. 257—58.)

1. In an apparatus of the kind described, a vertical substantially cylindrical housing having a central air discharge means communicating with its upper end, means for delivering air tangentially into said housing for gyration about the vertical axis thereof and final ejection through said air discharge means, means for showering water downwardly through the gyrating body of air circulated through said housing, and a cooling pipe system through which may be circulated a medium



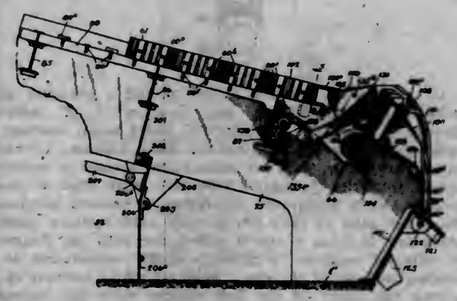
to be relieved of heat, said cooling pipe system being located in the path of the water shower and so as to be subject to the frictional contact of said gyrating body of air.

1,627,714. SURGICAL APPARATUS. ANGELO L. SORESI, New York, N. Y. Filed Nov. 30, 1925. Serial No. 72,366. 7 Claims. (Cl. 128—14.)



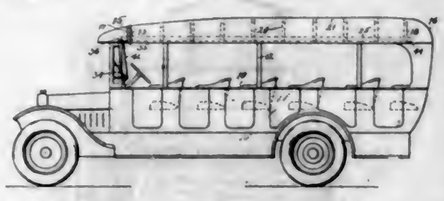
1. In surgical apparatus, a fluid flow controller including a body member having a longitudinal bore therethrough and longitudinally spaced valve seats and stops at the opposite ends of said bore, ball valves arranged between said spaced valve seats and stops and normally seating by gravity on the seats and adapted to be moved under pressure from such normal positions into engagement with the stops and said stops having fluid passages at the opposite sides thereof whereby the fluid may have ingress to and egress from said bore around the valve balls, each of said stops presenting a single annular line of contact with the surface of the valve ball.

1,627,715. STOKER. LOYD R. STOWE, St. Louis, Mo. Filed July 7, 1922. Serial No. 573,303. 26 Claims. (Cl. 110—40.)



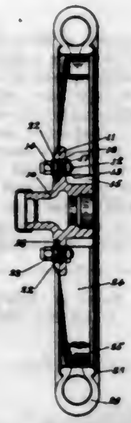
8. In combination, a stoker comprising endless moving spaced grate chains, supporting blocks located between said chains, and sealing members extending between and supported by said blocks.

1,627,716. FOLDING TOP FOR VEHICLES. JOHN HOWARD TEACHOUT, Cleveland Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 14, 1921. Serial No. 461,210. 2 Claims. (Cl. 296—105.)



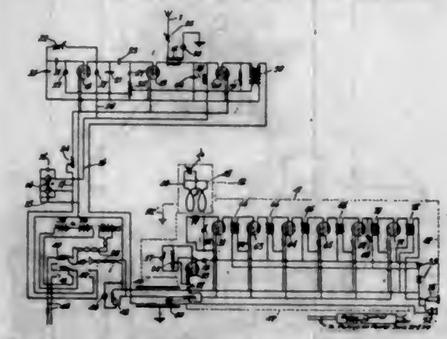
2. A folding top for vehicles, comprising, in combination, a skeleton frame having two side bars, a fixed front top portion, a fixed rear top portion, rails secured to said side bars, bows, wheels mounted on their ends adapted to ride on said rails, a flexible canopy secured to the bows, and to the fixed rear top portion, sprocket wheels mounted in the fixed rear top portion, other sprocket wheels mounted in the front top portion, sprocket chains trained over said sprocket wheels and extending directly above the bars centrally thereof, said bows having holes through them through which the upper runs of said sprocket chains pass, means connecting the front bow with the upper runs of said sprocket chains, and flexible devices connecting said bows together in series.

1,627,717. METAL VEHICLE WHEEL. WALTER M. TROUT and CLARENCE B. DES JARDINS, Philadelphia, Pa., assignors to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,674. 11 Claims. (Cl. 301—64.)



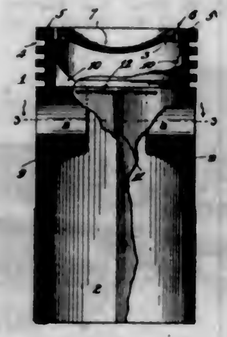
10. A wheel comprising a hub having a plurality of radially-extending flanges and a plurality of radial grooves, a plurality of segmental, sheet metal sections, each section having an inclined body portion, lateral flanges projecting from the sides of the section, a curved flange projecting laterally from the outer edge of the section and a perforated depression positioned between the inner ends of said side flanges, said sections being assembled to form a dished wheel disc with the flanges of adjacent sections in contact, rigidly united and extending radially of the disc, the sheet metal sections engaging the front of the hub flanges with the lateral flanges extending between the hub flanges and seating in said grooves, threaded studs carried by said hub flanges, ball nuts screwed on said studs and seating in said perforated depressions, and a rim rigidly secured to said curved flanges.

1,627,718. RADIOTELEPHONY. PAUL WARE, New York, N. Y., assignor to Ware Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 3, 1921. Serial No. 498,339. 17 Claims. (Cl. 250—6.)



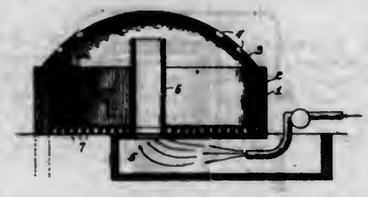
1. In duplex radio telephony, relatively powerful means for radiating outgoing oscillations and means for receiving incoming oscillations located in such proximity that the receiving means tends to be paralyzed by the outgoing oscillations, a telephone receiver connected to be responsive to the incoming oscillations and an adjacent telephone transmitter connected to control the outgoing oscillations, means for supplying power to operate the sending and receiving systems, said receiving means including an antenna provided with an open circuited metallic shield.

1,627,719. PISTON FOR INTERNAL-COMBUSTION ENGINES. DURWARD EARLE WILLIS, Springfield, Ill. Filed May 21, 1923. Serial No. 640,572. 14 Claims. (Cl. 74—108.)



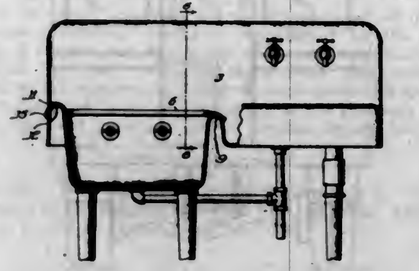
1. A piston for an internal combustion engine including a head of a metal of a low heat conductivity, a barrel or body and its skirt of a metal of high heat conductivity, those portions of the skirt having the piston-pin bosses being separated into zones extending substantially parallel to the axis of the piston by a slit lying at each side of the bosses cutting through the walls of the said skirt and terminating in spaced relation to that part of the piston carrying the piston rings, the said zones conducting away the heat from said bosses in a direct path toward the open end of the piston substantially parallel to the axis of the latter, there being a circumferentially disposed slot severing the walls of the piston immediately below the piston-ring zone and at diametrically opposite sides of said piston above the portion lying between the zones having said bosses, said slots terminating in a spaced relation to the slits creating the last named zones.

1,627,720. SINGLE-FIRE-BOX KILN. WILLIAM E. WILSON, Mason City, Iowa, and HENRY G. LYKKEN, Minneapolis, Minn. Filed Feb. 25, 1921. Serial No. 447,661. 2 Claims. (Cl. 25—136.)



1. In a kiln having a roof and a floor, a single fire box beneath the floor, said floor having an aperture connecting the fire box with the interior of the kiln and a plurality of apertures surrounding the first named aperture and communicating with the interior of the kiln, a plurality of passageways beneath the floor of the kiln with which the apertures in said floor communicate, and a common duct communicating with all of said passageways and connected with an exhaust duct so that the waste products of combustion may be withdrawn through the floor of the kiln.

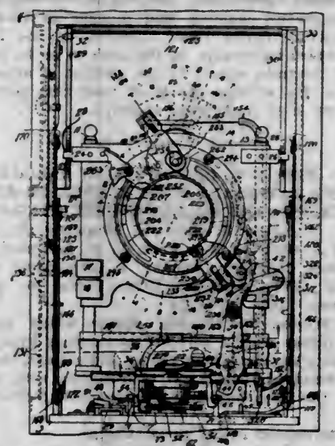
1,627,721. PORTABLE DRAIN BOARD. LOUIS WOLFF, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 9, 1925. Serial No. 1,363. 1 Claim. (Cl. 141—11.)



A portable drain board for sinks, comprising a body portion adapted to receive articles thereon, a portion adapted to fit over a sink end edge and having a downwardly projecting flange extending at least to the plane of the bottom of the board, and a downwardly directed drain edge extending at least to the plane of the bottom of the board and adapted to engage the adjacent sink end edge to thereby support the board over the sink, said flange and drain edge being substantially coextensive downwardly to thereby support the drain board as a substantially level tray when the same is disposed on a level surface.

1,627,722. PHOTOGRAPHIC CAMERA. CLYDE C. BALSTON, New York, N. Y. Filed Nov. 9, 1917, Serial No. 201,059. Renewed Dec. 8, 1926. 34 Claims. (Cl. 95—82.)

1. A camera having a lens and a diaphragm, means to set the diaphragm automatically to various sized apertures according to the various focal positions of the lens, the said diaphragm setting means comprising a member having a plurality of surfaces disposed at various positions, and a movable member adapted to engage said surfaces and to movably engage said diaphragm, the positions of certain of the surfaces of said first member corresponding to the focal positions of the lens, and the position of certain other of the surfaces of said first member corresponding to the various aperture sizes of the diaphragm, the said surfaces comprising steps



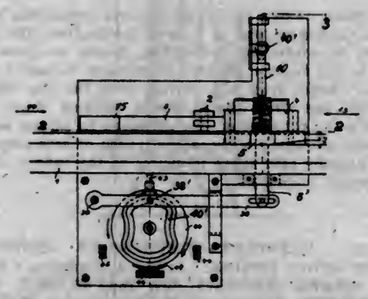
disposed along a body constituting said first member, the said member being secured to a part of the camera extension means.

1,627,723. TUFTED-MATTRESS BUTTON. PERCIVAL P. BERRY, West Roxbury, Mass., assignor to Englander Spring Bed Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 22, 1925. Serial No. 64,089. 15 Claims. (Cl. 24—106.)



1. A tufted mattress button having formed as a part thereof a shank-forming bowed tongue for receiving a thread loop of a mattress, said tongue being struck out from and located wholly within the margin of the lower side of the button, said tongue having struck out therefrom an inwardly projecting thread loop retaining portion.

1,627,724 DEVICE FOR STOPPING RAILWAY TRAINS INDEPENDENTLY OF THE DRIVER. PAUL BILDSTEIN and EMIL SEIDEL, Elberfeld, Germany. Filed June 20, 1925, Serial No. 38,539, and in Germany Mar. 7, 1925. 9 Claims. (Cl. 246—177.)



1. In a device for stopping railway trains independently of the driver, the combination with a track apparatus comprising a double-arm d lever arranged on the track

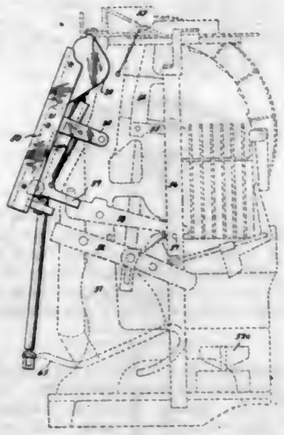
so as to be rocked by the wheels of a passing train, of a plunger arranged on the train so as to be actuated by said lever when thus rocked, a self-acting brake applying device, means preventing said device normally from operating, means enabling said plunger to release the brake applying device when actuated by the lever, a block arranged adjustably on the lever so as to take the thrust of the train wheels in one position of adjustment, and means for shifting the block from this position to prevent the lever from being operated.

1,627,725. PROCESS FOR COMBINING HALOGEN-CONTAINING MATERIALS WITH RUBBER OR SIMILAR SUBSTANCES AND PRODUCTS RESULTING THEREFROM. CHARLES E. BRADLEY, Montclair, N. J., and WILLIS A. GIBBONS, New York, N. Y., assignors to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed June 20, 1921. Serial No. 479,100. 23 Claims. (Cl. 106—23.)

10. A process for treating rubber which comprises treating rubber with a solvent, introducing hydrochloric acid gas into the mixture of rubber and solvent, chlorinating the combined rubber and hydrochloric acid, and recovering the combined-hydrochloric-acid-and-chlorinated-rubber.

22. Chlorinated rubber hydrochloride.

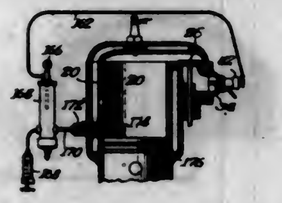
1,627,726. SLUG DETECTOR FOR CHECK-CONTROLLED MACHINES. ADOLPH A. CAILLE, Detroit, Mich. Filed Dec. 30, 1925. Serial No. 78,316. 6 Claims. (Cl. 194—98.)



1. A check or coin controlled machine comprising a substantially upright tray to receive checks from the check operated or controlled mechanism, means to guide said checks to the bottom thereof, an elevator in said tray to lift said checks from the bottom over the top edge of said tray and drop them into a suitable chute, said elevator being constructed and arranged to require several operations to convey a check the length of said tray, and means whereby said check is visible to the outside during said several operations.

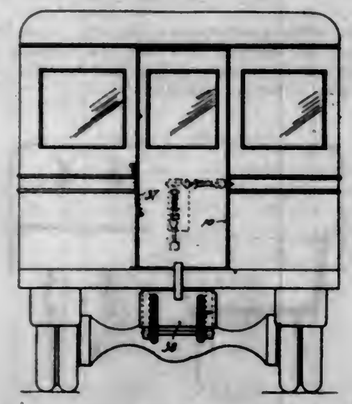
1,627,727. CONSTANT-COMPRESSION INTERNAL-COMBUSTION ENGINE. JAMES A. CHARTER, Chicago, Ill. Original application filed Jan. 29, 1923, Serial No. 615,687. Divided and this application filed June 15, 1925. Serial No. 37,087. 5 Claims. (Cl. 123—33.)

1. In mechanism of the class described, in combination with the combustion space of an internal combustion engine provided with an air intake passage, a fuel nozzle adapted to deliver oil, an independent motive fluid, such as air, nozzle adapted to take oil from the fuel nozzle to the combustion space, a compressed motive fluid tank,



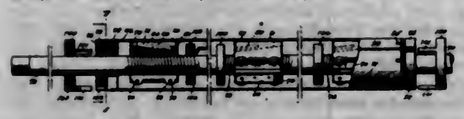
delivering motive fluid to said second nozzle, means whereby the proper pressure is maintained in said tank by motive fluid delivered to it from said combustion space of the engine, and independent means for creating pressure in the tank when the engine is not running.

1,627,728. EMERGENCY-DOOR APPARATUS FOR VEHICLES. ROSCOE D. CONKLIN, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Apr. 18, 1925. Serial No. 24,043. 5 Claims. (Cl. 292—164.)



1. In an emergency lock device, the combination of a lock bolt and door to be locked, means for tensioning said lock bolt in opening position, lock bolt opposing means normally positioned in the path of the lock bolt to prevent said tensioning means to be effective, and means operated by gravity for permitting said lock bolt opposing means to be displaced to permit the tensioning means to become effective.

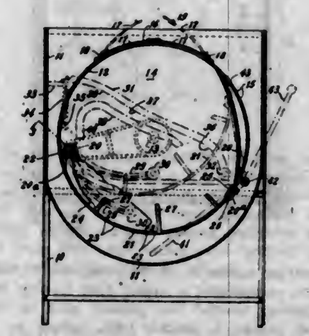
1,627,729. EXPANSIBLE AND CONTRACTIBLE MANDREL. GEORGE W. DINGEE, Utica, N. Y. Original application filed June 8, 1922, Serial No. 566,831. Divided and this application filed Dec. 7, 1922. Serial No. 605,385. 16 Claims. (Cl. 242—72.)



1. An expansible mandrel having a cylindrical shell longitudinally split into segments, a shaft, means controlled by the rotation of the shaft for expanding and contracting the shell, a device having members, means for preventing longitudinal movement of the shell along the shaft during expansion and contraction, and means

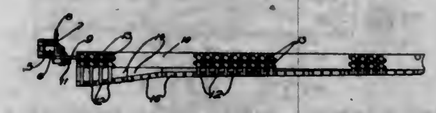
for non-rotatably fastening said device to the shaft in a position whereby said members will co-operate with said means for preventing longitudinal movement of the shell to prevent collapsing of the mandrel.

1,627,730. WASHING MACHINE. FREDERIC H. EHNTS, Germantown, Pa., assignor, by mesne assignments, to H. W. Butterworth & Sons Company, a Corporation of Pennsylvania. Original application filed Mar. 23, 1921, Serial No. 454,744. Divided and this application filed June 16, 1925. Serial No. 37,417. 17 Claims. (Cl. 68—18.)



14. A rotary receiver drum for machines of the character described, having a compartment for the reception of stock and an opening in the periphery thereof leading into said compartment, a stock manipulator mounted for movement within said compartment and when in one position lying in said opening in the periphery of the drum and forming a part of the wall for the latter.

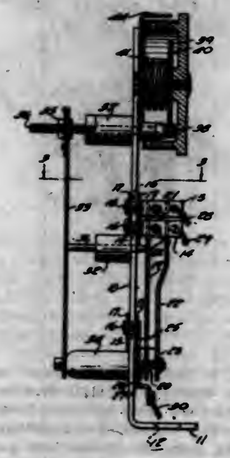
1,627,731. SUBGRADE TEMPLATE. ARTHUR G. FITZNER, Chicago Heights, Ill. Filed Sept. 12, 1925. Serial No. 55,950. 8 Claims. (Cl. 94—45.)



1. A sub-grade template comprising a beam, roller supports adjustable on the ends thereof adapted to track over forms on the side of the road to hold the beams supported in position, guide rollers for guiding the sub-grade template along said forms and over the grade, a plurality of teeth adjustably carried directly on the advanced side of the beam, and a template carried on the rear side of the beam, said teeth being set to conform to the contour of said template.

1,627,732. THERMOSTATIC CONTROL FOR ELECTRIC OVENS AND THE LIKE. EDWARD L. FONSECA, Newark, N. J., assignor, by mesne assignments, to The Wilcolator Company, Newark, N. J., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 737,049. 9 Claims. (Cl. 200—138.)

1. In a thermostatic control mechanism, the combination of a fixed contact, a movable contact spaced therefrom, a movable arm carrying a contact which lies between said spaced contacts, a thermostatic element pivotally mounted to swing, this element having a portion which is movable to different positions as the element is exposed to different temperatures, means engaging the



element to limit its swinging movement, means for adjusting the position of the limiting means, and a connection between the said movable portion of the element and the said arm.

1,627,733. SUCKER-ROD HANGER. GEORGE E. FRITTS, Taft, Calif., assignor, by mesne assignments, to F. A. Keefover and Daisy Keefover. Filed May 2, 1923. Serial No. 636,107. 2 Claims. (Cl. 255—1.)



1. In a sucker rod hanger, the combination of: a cross bar secured to the derrick structure at an elevated point; a plurality of suspension members secured at their upper ends to the cross bar; clamp members secured to the lower ends of said suspension members for gripping stands of sucker rods; a platform situated adjacent to

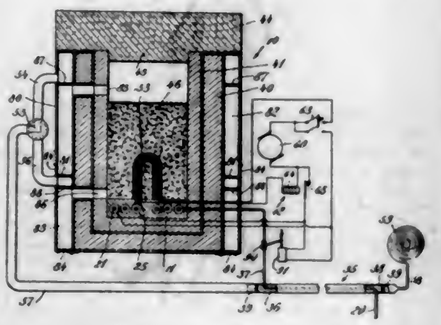
the lower ends of said suspension member; and an inwardly projecting arm having a rest at the inner end thereof for receiving the shank of a sucker rod while the elevator is being adjusted thereupon.

1,627,734. SIPHON HOLDER. GEORGE V. GAVAZA, Quincy, Mass. Filed Aug. 11, 1926. Serial No. 128,586. 1 Claim. (Cl. 248—28.)



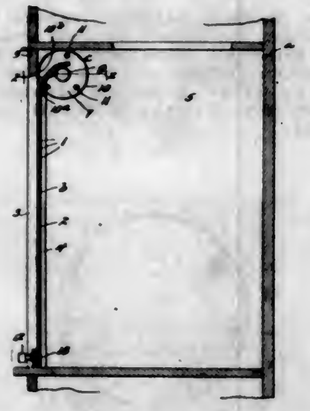
A holder for a flexible siphon tube, comprising an elongated helical spring adapted to receive a portion of the tube, and provided with an open hook at one end, and a resilient yoke composed of end portions constituting container-grasping jaws, one of said end portions having an eye engaged with the opposite end of the spring, and a bowed neck resiliently connecting the jaws and normally pressing them toward each other, so that they are adapted to yieldingly grasp a container wall, the neck being formed to loosely and separably engage the spring hook, the arrangement being such that the spring is practically straight when disengaged from the yoke, so that it may slide freely on the tube, the engagement of the hook with the yoke flexing the spring and the portion of the tube enclosed thereby, and causing the spring and tube portion to conform to the portion of the yoke, between the eye and the midlength of the yoke neck.

1,627,735. METHOD AND APPARATUS FOR GENERATING AND CONTROLLING HEAT. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed Dec. 16, 1921. Serial No. 522,948. 53 Claims. (Cl. 110—1.)



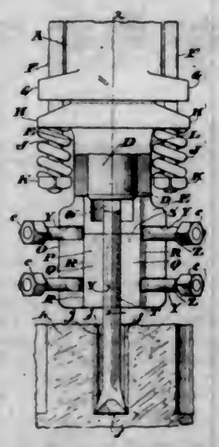
1. The method of initiating and maintaining combustion, which consists of passing an oxygen carrying medium into a fuel at a temperature higher than the ignition point of the fuel, and passing the products of combustion through a heat exchange member to cause them to give up their heat to incoming medium.

1,627,736. SUPPORT FOR FLEXIBLE DOORS OF KITCHEN CABINETS. AXEL I. S. HALVORSEN, Albany, Ind., assignor to McCormick Bros. Company, Albany, Ind., a Corporation of Indiana. Filed May 14, 1926. Serial No. 109,083. 6 Claims. (Cl. 45—16.)



6. Supporting means for doors composed of flexibly connected slats, comprising a metal disk having an arcuate flange extending around the greater part of its circumference and having a central boss, struck up from the body of the disk, spaced from the flange a sufficient distance to permit the edge of the door to be coiled between the boss and the flange.

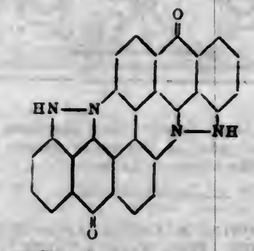
1,627,737. BROACHING ATTACHMENT. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 14, 1926. Serial No. 109,032. 3 Claims. (Cl. 121—32.)



1. A broaching attachment for a rock drill, comprising a front head adapted to be secured to the rock drill, an extension on the front head having laterally diverging surfaces, a guide block having laterally diverging surfaces to cooperate with the surfaces on the extension to form a guideway with flared sides for guiding a flat rectangular tool and to permit such tool to oscillate about its longitudinal axis, and means for clamping the guide block to the extension.

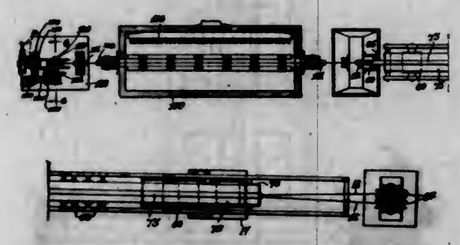
1,627,738. VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES. ALFRED HOLL, Offenbach-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1925, Serial No. 74,172, and in Germany Dec. 22, 1924. 4 Claims. (Cl. 260—45.)

1. As new products, vat dyestuffs of the antraquinone series fast to alkali, which are reaction products of formaldehyde upon pyrazolanthron yellow compounds, to which the literature assigns the general formula:



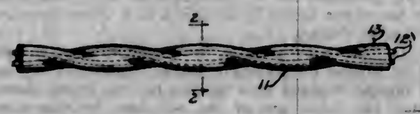
in which the anthraquinone nucleus may be further substituted, which dyestuffs in a dry pulverized form are greenish yellow to orange yellow, soluble in sulfuric acid giving red colored solutions and in boiling hot nitrobensol giving orange yellow colored solutions and which dye cotton from blue hydrosulfite vats reddish to greenish yellow tints which are fast to alkali.

1,627,739. METHOD OF COATING STRANDS. WILLIAM FULLER HOSFORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1924. Serial No. 743,159. 22 Claims. (Cl. 92—55.)



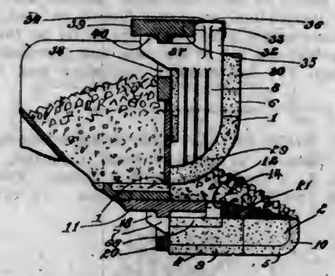
1. The method of coating strands, consisting in applying a common, continuous, integral and substantially homogeneous coating to a plurality of strands, and twisting one strand around another.

1,627,740. COATED STRANDS. WILLIAM FULLER HOSFORD, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1924, Serial No. 742,160. Renewed Feb. 25, 1927. 11 Claims. (Cl. 92—55.)



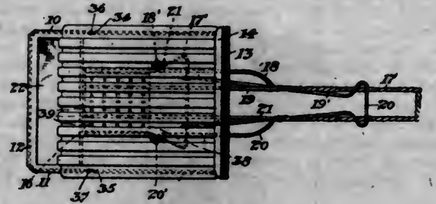
1. A new article of manufacture comprising a plurality of intertwined strands separated from each other and covered by an integral, continuous and substantially homogeneous body.

1,627,741. FURNACE-ARCH AND COKING-SHELF STRUCTURE. CHARLES J. HUBER, Baltimore, Md. Filed June 5, 1924. Serial No. 717,939. 9 Claims. (Cl. 110—99.)



1. In a furnace, a structure for coking shelves, arches, baffles and the like, consisting of a series of bricks having the opposite side walls in downwardly converging relation to a point near the bottom where the lateral dimension is increased, forming a lateral projection, said latered projection extending along each bottom edge, and as to some of the bricks said projecting portion extending upward along the end surface, the bricks being placed side by side with the inclined surfaces opposite and the projecting portions substantially in contact, the bricks having the projecting portions extending along the end surface being placed toward the fire, and supports for the bricks occupying the tapering spaces thus formed between the bricks, the supports being correspondingly tapered, said supports being protected at the bottom and end by said projecting portions, each support having an upwardly projecting shank and forwardly extending arm, the furnace being provided with a transverse support and the shank having means engaging said support from above, and the forwardly extending arm engaging the support from beneath.

1,627,742. BROILER. JAMES J. JONES, New York, N. Y. Filed June 7, 1924. Serial No. 718,436. 2 Claims. (Cl. 53—5.)



1. In a broiler, a frame, and a broiler member comprising a sheet of corrugated material, each corrugation having a flattened top and downwardly converging walls connecting the next succeeding corrugation and in which connecting walls there is a plurality of openings.

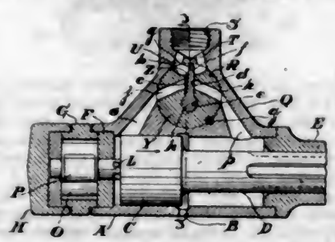
1,627,743. RAIL LOCK. WILLIAM KUPKE, Chicago, Ill. Filed June 14, 1926. Serial No. 115,862. 8 Claims. (Cl. 238—192.)



1. A device of the class described comprising two complementary parts, each part comprising a base plate to rest under a rail and a side plate spanning the gap be-

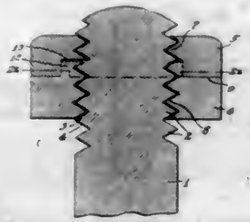
tween adjacent rail ends; lateral enlargements connecting the base plate and side plate and contacting with the ball and web of the rail to reenforce the latter at the point of connection of a pair of rail sections, bolts securing said side plates to said rail webs, substantially as described, a longitudinal extension formed on each of the lateral enlargements offset from the latter so that they will lie against the web of the rails, and fastenings passing through the longitudinal extensions and railway webs.

1,627,744. ROCK DRILL. EARL B. LEAR, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,043. 5 Claims. (Cl. 121—22.)



1. In a fluid actuated rock drill, the combination of a cylinder having a free exhaust port, a valve chest having a cylindrical bore closed at one end, a cylindrical valve block insertable through the open end of the bore, a slot in the valve block in constant communication with live pressure fluid, said slot having parallel walls, a longitudinal bore at one end of the slot, passages leading from the slot to the ends of the cylinder, a valve oscillating between the parallel walls for controlling the passages, and a trunnion on one end of the valve to cooperate with the bore for forming a pivot for said valve.

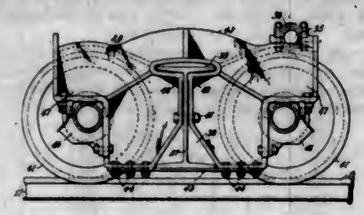
1,627,745. LOCK NUT. JOHN MADDEN, Detroit, Mich. Filed Oct. 30, 1924. Serial No. 746,767. 2 Claims. (Cl. 151—19.)



1. A lock nut comprising a pair of threaded members, one member having an eccentric recess around the bore thereof, a cam carried by the other member and adapted to fit into said recess, said cam being also threaded internally in continuation of the threads in the member by which it is carried, said members being so threaded that their threads are mutually continuous when the cam is entered to its normal limit in said recess.

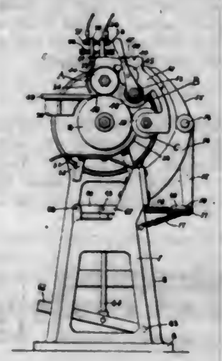
1,627,746. TROLLEY CONSTRUCTION FOR CRANES. GEORGE EDWARD MOORE, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed May 8, 1924. Serial No. 711,788. 14 Claims. (Cl. 105—163.)

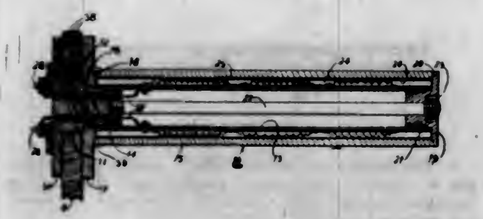
1. A trolley frame construction including a frame provided with oppositely projecting extensions at opposed sides thereof, said extensions having upper and lower flanges and a connecting web, truck frames each formed as a truss with an opening transversely therethrough for the passage of one of said extensions, said



truck frames being formed with shoulders to contact with the under sides of the upper flanges of said extensions near the plane of the web.

1,627,747. IRONING MACHINE. ANTON M. RASMUSSEN, Rockford, Ill. Filed June 4, 1926. Serial No. 113,598. 9 Claims. (Cl. 68—9.)

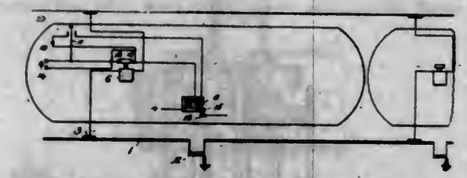




1. In an ironing machine, an ironing roll, a plurality of rolls alongside the same serving to feed the work in contact therewith, certain of said rolls having a permanent drive connection with a power source to turn at about the same peripheral speed as the ironing roll, a remaining roll being normally arranged to operate at about the same peripheral speed as the ironing roll but having provision for a disengageable drive connection with the power source to be driven at a lower peripheral speed when desired.

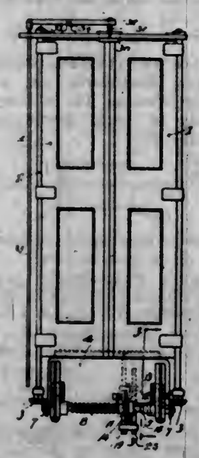
9. In an ironing machine the combination of a frame and an ironing roll having a journal portion at only one end thereof received in a bearing in said frame thereby leaving the other end of the roll free, bearing means at the supported end of the roll assuming the thrust against opposite sides of said frame adjacent the journal bearing, and gear teeth on the periphery of one of said last mentioned bearing elements for rotating the journal and with it the ironing roll carried thereby.

1,627,748. SAFETY SYSTEM FOR RAILWAY CARS. HAROLD ROWNTREE, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Mar. 25, 1922. Serial No. 546,844. 18 Claims. (Cl. 246—182.)



1. In a railway system, a plurality of trains, an unbroken electrical conductor, means for establishing an electrical circuit between each train and said conductor, an electrical device on each train including in said circuit, a safety circuit controlled by said device, and means for varying the current passing through said device by and in accordance with variation in the distance between the train on which said device is located and the preceding train, the current passing through said device increasing with increase of distance between the trains, a signal, and means for operating said signal before said safety circuit is operated.

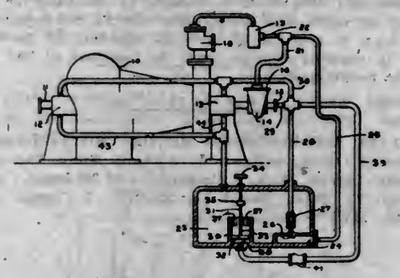
1,627,749. MANUALLY-OPERABLE DOOR AND STEP. HAROLD ROWNTREE, Scarsdale, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Jan. 10, 1925. Serial No. 1,572. 15 Claims. (Cl. 105—341.)



1. In an assembly of the character described, the combination with a door and a hinged step adapted to be manually operated and connected for conjoint operation, of means for locking the door in closed and the step in raised positions, said locking means being releasable through conjoint acts of a passenger and the attendant.

1,627,750. LUBRICATING SYSTEM. HENRY F. SCHMIDT, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 24, 1924. Serial No. 688,292. 10 Claims. (Cl. 184—6.)

1. In a liquid pressure system for a steam turbine having a part requiring liquid under pressure whenever the turbine is in operation, means for supplying liquid under pressure to said part including a centrifugal pump having its impeller directly connected to the turbine rotor to move as a unit therewith, a supply reservoir, and an injector located below said pump and motivated by liquid received from the discharge side of the pump



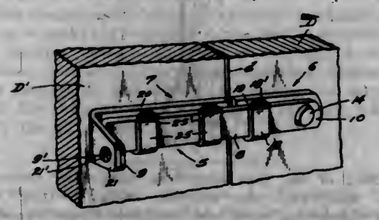
for entraining liquid from the reservoir and for supplying both the entrained and motive liquid to the inlet of the pump.

1,627,751. ADVERTISING STAND. GEORGE A. SHERMAN, Pasadena, Calif. Filed Sept. 2, 1925. Serial No. 54,146. 2 Claims. (Cl. 40—86.)



1. In an advertising device, a casing open at its front and back, doors movable into and out of position to close the front and back of said casing, the front door being provided with a sight opening and a transparent pane for the sight opening, guide rollers rotatably mounted in said casing adjacent its front and disposed above and below the sight opening of said front door, winding rollers rotatably mounted in said casing and having trunnions projecting through side walls of the casing and adapted for engagement by turning means, one winding roller having its trunnions mounted in slots formed in the side walls and opening through the rear edges thereof, and closed when the rear door is shut, and an advertising strip having its end portions wound upon said winding rollers and an intermediate portion engaged with said guide rollers and extending between the same and adapted to be viewed through the sight opening.

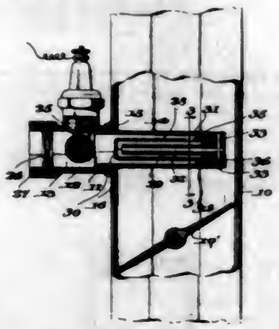
1,627,752. DOOR FASTENER. SYLVESTER J. SMALL, Seattle, Wash. Filed Sept. 22, 1925. Serial No. 57,832. 1 Claim. (Cl. 292—281.)



A fastener for a pair of doors comprising, in combination, a backing plate and a receiving member adapted to be secured to the respective doors, said member having at one end thereof a forwardly directed arm provided

with an aperture, a hasp, a pivot connecting the hasp at one of its ends with said plate, said hasp having at its other end a forwardly directed arm element provided with an aperture, a keeper provided upon the receiving member and adapted to be engaged by the hasp for coupling the doors, said keeper also serving for supporting the hasp in position to have the aperture of the hasp arm in opposed relation with the aperture of the arm of the receiving member.

1,627,753. HYDROCARBON MOTOR. MILTON TIBBETTS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 27, 1919. Serial No. 326,922. 7 Claims. (Cl. 123—122.)



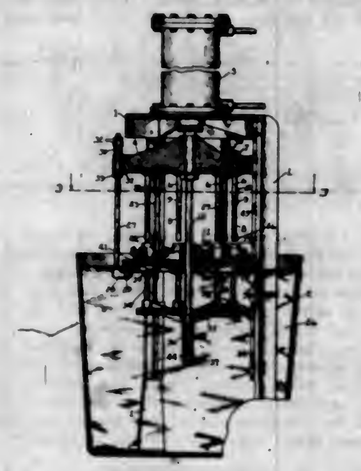
1. A heater plug comprising a combustion chamber and an inlet conduit, a screen in said inlet conduit, and a disk in said conduit spaced from the screen and provided with a small inlet opening constituting the sole mixture passage to the chamber.

1,627,754. MOLD FOR FOOTINGS. OTTO H. TOWNSEND, Detroit, Mich., assignor to Walker & Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 8, 1926. Serial No. 93,118. 1 Claim. (Cl. 25—118.)



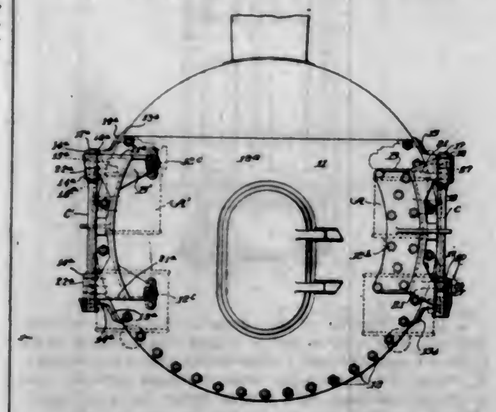
A mold of the type described, comprising semi-cylindrical, filler and base sections having bottom walls, hinges connecting said base sections, hinges connecting said semi-cylindrical sections, and alining with the hinges of said base sections, said filler sections connecting said semi-cylindrical section to said base sections, and latches and keepers adapted to hold said sections closed to receive plastic material.

1,627,755. BROACHING MACHINE. BERTIS H. UNSCHEL, Bowling Green, Ohio. Filed June 23, 1924. Serial No. 721,610. 13 Claims. (Cl. 90—33.)



1. In a broaching machine, a broach head, a plurality of broaches secured to the broach head, a work supporting table rotatably supported below the broaches and means for rotating the table relative to the broaches, a centering plate, a plurality of centering pins secured to the plate for engaging the ends of the broaches and moving with the broaches while the broaches are operating on the object.

1,627,756. LOCOMOTIVE-FRONT-END SUPPORT. HARRY VISBERING, Kenilworth, Ill., assignor to The Okadee Company, Chicago, Ill., a Corporation of Illinois. Filed July 16, 1924. Serial No. 726,334. 30 Claims. (Cl. 105—37.)



1. In combination, a boiler having an opening, a closure for said opening, a member supported in front of and in part only by said closure, and means whereby said member may be moved away from said closure to permit said closure to be moved.

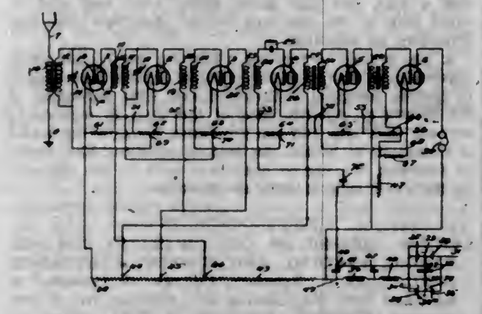
1,627,757. COMBINED BAKING PAN, COOKING UTENSIL, AND MOLD. WILLIAM VON ELM, Brooklyn, N. Y. Filed May 18, 1926. Serial No. 109,992. 1 Claim. (Cl. 53—6.)

A cooking utensil comprising an outer cylindrical wall section of sheet material having an annular flange extending inwardly therefrom, and integral therewith to provide a circular opening concentric with the cylindrical wall section, a seamless frusto-conical receptacle inserted in said opening with its bottom projecting beyond the edge of said wall section remote from said flange, the contacting edges of said flange and said receptacle being turned over each other at an obtuse angle to the flange



and receptacle wall, respectively, to form a hook joint and lock the receptacle to the flange, the turned over edge of said receptacle extending outwardly from the receptacle and said flange being dished toward the circular opening therein to hold the open end of said receptacle in the same plane as the edge formed by the intersection of a said wall section and said flange.

1,627,758. RADIO RECEIVING APPARATUS. MARCEL WALLACE, New York, N. Y., assignor to Electro-Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 27, 1925. Serial No. 26,207. 23 Claims. (Cl. 250—27.)



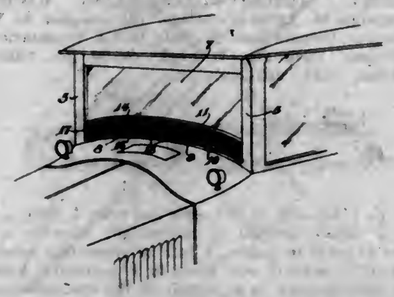
17. A radio receiving apparatus arranged to operate universally from a direct as well as an alternating current power supply comprising a plurality of electron tubes each having cathode and anode circuits, a power supply system and a chemical rectifier interposed between said circuits and said power supply system for supplying current to said circuits independently of the character of said power supply system.

1,627,759. MANIFOLD HEATER. ORVIL WAUHOB, Sioux City, Iowa. Filed Oct. 29, 1925. Serial No. 65,627. 1 Claim. (Cl. 257—241.)



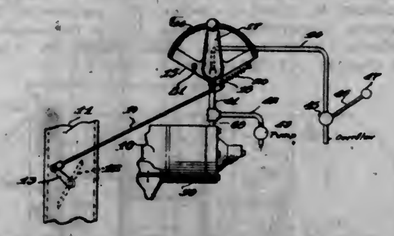
In a manifold heater, a casing member having an outer side wall and having upper and lower walls adapted to bear against the side of an engine block and to form therewith an enclosed air passage in either of two vertically spaced positions, and a delivery pipe having an upper wall provided with a partially detached portion, said delivery pipe being receivable between the outer wall of the casing and the side of the engine block, and said partially detached portion being bendable upwardly to close a gap existing between the upper wall of the casing and the upper wall of the delivery pipe when the casing is in its upper position, said partially detached portion being also bendable to conform with the upper wall of a manifold when the casing is in its lower position on a different type of manifold.

1,627,760. WINDSHIELD SCREEN. PAUL GEORGE WOOD, Hilliards, Ohio. Filed July 25, 1925. Serial No. 46,127. 1 Claim. (Cl. 296—94.)



A windshield screen comprising a frame made up of two sections in end to end relation, hinges connecting the two sections, the ends of the screen frame, when the latter is straightened, being adapted to fit into the guideways at the ends of the windshield frame, said screen frame sections having upper and lower metal rails shaped so as to engage the adjacent edges of the windshield and windshield frame respectively throughout their length, the lower rail having opposed lugs secured thereto and shaped to engage the opposed faces of the adjacent edge portions to hold the screen in position.

1,627,761. INTERNAL-COMBUSTION ENGINE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 16, 1922. Serial No. 582,265. 15 Claims. (Cl. 123—108.)



1. The combination with an internal combustion engine, of a manually operable device for controlling the speed thereof, spring means for moving said device to low speed position, oil pressure controlled means connected directly to said device for holding the latter in any of its adjusted positions, and a governor adapted to vary the oil pressure.

1,627,762. CLOSURE. CHARLES A. ZABORSKY, Cleveland, Ohio, assignor to The Simplex Cap Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 13, 1926. Serial No. 135,647. 10 Claims. (Cl. 220—40.)

1. For use with a tube provided with locking means of the bayonet joint type, a closure comprising a locking member comprising a depressed central section, at least

two arm sections extending outwardly from said central section into position to cooperatively engage said locking means, and spaced securing sections extending from



said central section intermediate said arm sections upwardly and then generally parallel to said central section.

1,627,763. BATTERY-PLATE FILLING MACHINE. CHESTER M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 7, 1925. Serial No. 7,490. 8 Claims. (Cl. 226—39.)

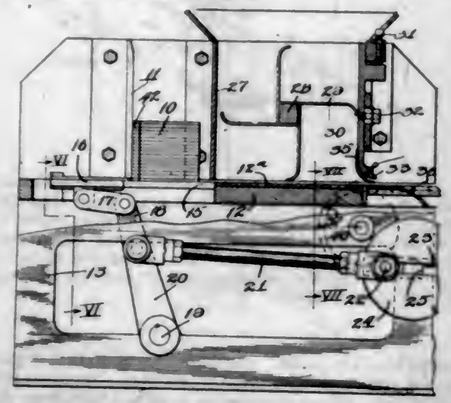


1. In a machine of the class described a table, a conveying means adapted to individually advance a plurality of grids in unison, a pair of supporting conveyors adapted to support said grids in a horizontal position, said grids adapted to be moved off the first conveyor by the conveying means and delivered thereby to the second conveyor in a reversed position.

3. In a machine for handling plate grids, a platform, a stacking means for the grids, a paste box above said platform, means normally restraining the lowermost grid in said stacking means, means adapted to release said restraining means and remove aid lowermost grid, and means for advancing the grids through the paste box.

5. In a machine of the class described, a conveyor belt adapted to advance individual grids, a paste box positioned above said conveyor, a slice on the rear edge of said box adapted to compress and remove excess paste from said grids and a roll positioned beneath said conveyor in line with the rear edge of said paste box to support the conveyor against the downward pressure of said slice.

1,627,764. BATTERY-PLATE-PASTING MACHINE. CHESTER M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1926. Serial No. 116,295. 11 Claims. (Cl. 226—39.)

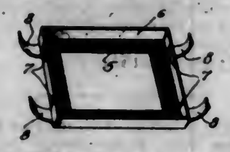


1. In a machine of the class described, a table, means for feeding grids over said table in a continuous line, means for forcing an excess of paste through said grids as they pass over the edge of the table, means for turning said grids over, and soft surfaced rolls adapted to compress the excess paste back into the interstices of the grids.

3. In a machine of the class described, a stack of grids, a reciprocating ram adapted to engage and advance said grids one at a time, and means for varying the length of stroke of said ram to care for varying sizes of grids.

7. In a machine of the class described, a paste box, means for feeding grids beneath said box, and a trowel associated with the rear wall of said box and forming a yielding lower edge therefor.

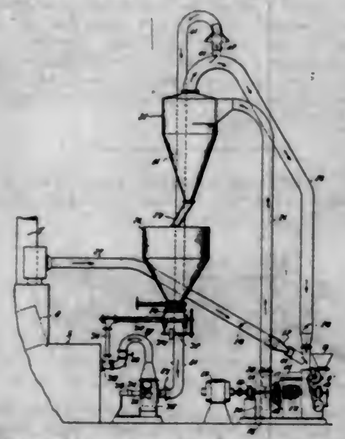
1,627,765. WATCHCASE AND PROCESS OF MAKING SAME. GEORGE T. BATES, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed Oct. 8, 1926. Serial No. 140,349. 4 Claims. (Cl. 29—177.)



1. As a new article of manufacture, a sheet metal watch case having integral clips extending outwardly from its ends, each cooperating with the case to provide a seat, and lugs fitted within each seat and secured both to the case and to the associated clip, substantially as described.

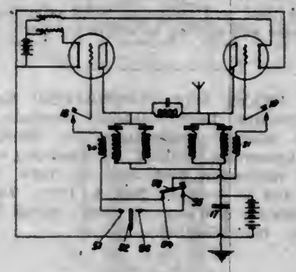
4. The process of forming a bracelet watch case which consists in drawing the side edges of a sheet metal blank to provide marginal flanges and also clips outwardly of the flanges at opposite ends of the case, in positioning between each clip and the proximate flange a lug which is shaped to fit within the seat so provided, and finally in soldering the lug so positioned both to the clip and to the case, substantially as described.

1,627,766. METHOD OF AND APPARATUS FOR PREPARING, FEEDING, AND BURNING PULVERIZED FUEL. LARS H. BERGMAN, Chicago, Ill., assignor to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,416. 22 Claims. (Cl. 110—106.)



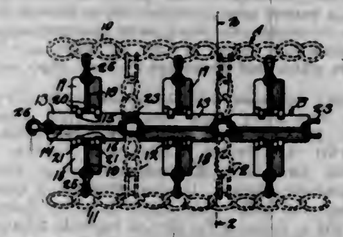
20. The method of preparing, feeding and burning fuel which comprises pulverizing and drying the fuel by carrying it through a pulverizing apparatus by flotation upon a stream of hot gases circulating through the apparatus, eliminating from the stream a portion of the moisture and adding hot gases to the stream.

1,627,767. TRANSMISSION BY ELECTRIC OSCILLATIONS. LÉON NICOLAS BRILLOUIN and EMILE MARIE FRANÇOIS FROMY, Paris, France. Filed Aug 10, 1925, Serial No. 49,394, and in France Nov. 10, 1924. 4 Claims. (Cl. 250—10.)



1. In arrangement for radiocommunication a compound circuit comprising a number of distinct plug circuits tuned to different wavelengths whereby the waves pass through the compound circuit in a given direction according to which plug circuit is tuned to them, and secondary circuits coupled with the plug circuits and tuned each to one of the said plug circuits, the direction of the windings in the couplings being determined so as to provide the addition of the effects produced by one of the waves and the substantial cancellation of the effects produced by the others, the aerial being moreover connected with the compound circuit at those points where the potentials due to the different waves are the most different.

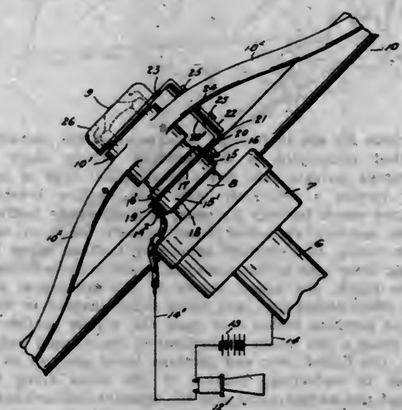
1,627,768. SKIDDING-PREVENTING DEVICE. LUCENIUS MARION CREWS, Fairburn, S. Dak. Filed Aug. 20, 1925. Serial No. 51,417. 3 Claims. (Cl. 152—14.)



3. The combination with an anti-skid chain for the wheels of motor vehicles including tire chains and transverse chains, of an anti-skid attachment therefor including a plurality of elongated plates provided with ribs extending circumferentially of the wheel, means for connecting said plates together, a plurality of side plates connected to the longitudinal edges of the first named plates, and provided with ribs extending transversely of the wheel, and means carried by the side plates for connection with the side chains for securing the device thereto.

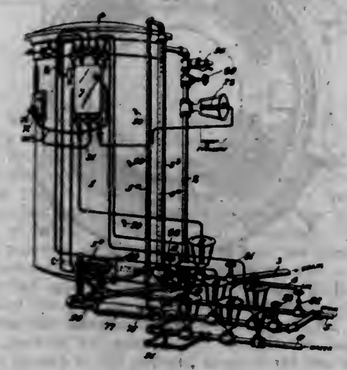
1,627,769. HORN BUTTON FOR STEERING POSTS. JAMES H. DENNIS, Seattle, Wash. Filed Dec. 19, 1921. Serial No. 523,460. 3 Claims. (Cl. 200—59.)

1. In a device of the type described, the combination with an immovable housing of an automobile steering mechanism, the movable steering post projecting therefrom, and the steering wheel mounted upon the projecting portion of the post, of a contact arm bodily movably supported by the housing and projecting between the spokes of the wheel for selective electric contact with the wheel hub, and means for insulating the arm from



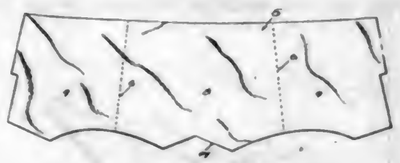
the housing and the wheel spokes, whereby the contact arm will be moved upon its rigid supporting housing when the wheel and post are turned.

1,627,770. APPARATUS FOR PROCESSING FOODSTUFFS AND THE LIKE. CHAUNCEY H. DURKEE, Bronx, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 735,066. 26 Claims. (Cl. 99—2.)



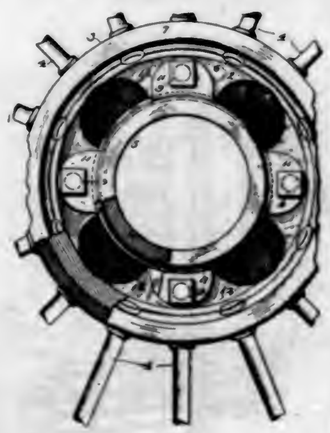
26. An apparatus for processing food stuffs and the like comprising a retort, means to automatically regulate the temperature and pressure within said retort, and clock actuated mechanism to progressively adjust said regulating means to produce a desired progression of temperature and pressure values within said retort.

1,627,771. GARMENT. JOSEPH H. DWORK, Newark, N. J. Filed Feb. 24, 1922. Serial No. 538,837. 1 Claim. (Cl. 128—288.)



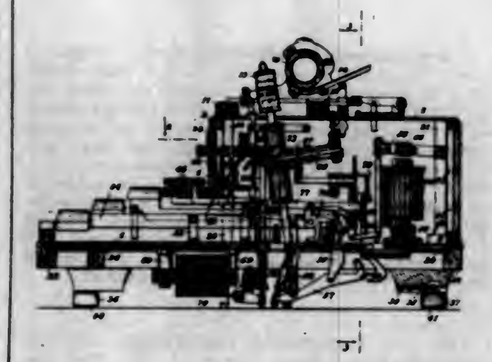
A blank for use in forming a garment of the character described comprising a substantially oblong sheet of waterproof material, the lower longitudinal edge of said blank having a relatively wide and shallow inverted V-shaped notch midway its ends, and oppositely inclined arcuate notches extending from opposite ends of said middle notch, and straight oppositely inclined edges extending from said arcuate notches to the transverse ends of the blank, the upper halves of the transverse end edges offset outwardly, said blank being adapted to have the end portions folded over upon the middle portion to meet along a line which approximately bisects said middle notch, the folded over end portions being adapted to be secured to underlying portion of the blank along the edges of the middle notch and the straight inclined lower edges beyond the arcuate notches to provide the garment with leg openings, said garment being open at the upper half of the front.

1,627,772. METAL WHEEL CONSTRUCTION. ERNEST E. EINFELDT, Davenport, Iowa, assignor to G. Watson French and Joseph L. Hecht, Davenport, Iowa, and W. H. Stackhouse, Springfield, Ohio, doing business as French & Hecht, Davenport, Iowa, and Springfield, Ohio. Filed July 21, 1926. Serial No. 123,828. 3 Claims. (Cl. 301—9.)



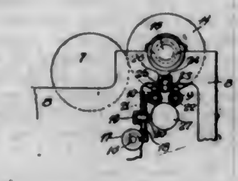
2. In a wheel, the combination of a rim, two spaced hub rings provided with bolt holes, two ranks of spokes connected at their outer ends to the rim and at their inner ends to the hub rings, a bearing box provided with two sets of lugs, said sets being spaced from each other axially of the box and having bolt holes therethrough and adapted to seat against the respective hub rings, and one of said hub rings being formed between its bolt holes with recesses adapted to permit the passage through them of one of the sets of lugs, when the box is inserted endwise in the hub rings to assemble the parts, the relation of the recesses to the bolt holes in the lugs and rings being such, that, when the rings and box are shifted circumferentially relatively to each other after the passage of the lugs through the recesses, the bolt holes in the rings will be brought into registry with the bolt holes in the lugs, and fastening bolts extending through said bolt holes and serving to secure the parts detachably together.

1,627,773. FRAME FOR TYPEWRITING MACHINES. OSKAR FISCHER, Berlin-Friedenau, Germany, assignor to N. V. Machina Maatschappij vor Handel en Industrie, Amsterdam, Holland, a Corporation of Holland. Original application filed Jan. 25, 1924, Serial No. 688,399, and in Germany Nov. 4, 1918. Divided and this application filed Apr. 10, 1925. Serial No. 22,062. 4 Claims. (Cl. 197—186.)



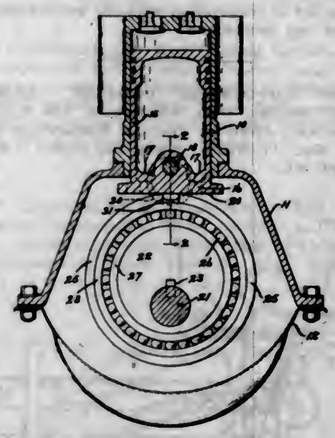
1. A frame for typewriting machines, comprising a top plate, a bottom plate, vertical pillars secured to said plates for connecting the same, rails constituting paper-carriage guideways borne by the top plate, and frame members to which said plates are at their edges secured.

1,627,774. MEANS FOR WASHING LITHOGRAPHIC PRINTING SURFACES. BENJAMIN JOSEPH JOHN GOULDING, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a Company duly registered under the Limited Liability Company's Acts (1862 to 1900) of the British Imperial Parliament. Filed June 3, 1924, Serial No. 717,488, and in Great Britain June 14, 1923. 15 Claims. (Cl. 101—425.)



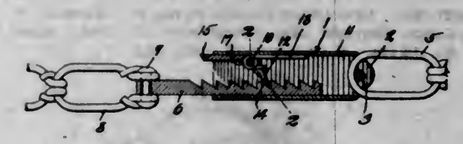
1. In a rotary lithographic printing press, the combination with a plate cylinder of a power-operated plate washing roller formed with a plurality of co-axial spaced sections each having an operative surface of an absorbent resilient material, and means adapted to bring said operative surfaces into and out of contact with the surface to be washed.

1,627,775. DRIVING CONNECTION BETWEEN A ROTATING SHAFT AND RECIPROCATING PISTON. GEORGE E. A. HALLETT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 23, 1925. Serial No. 39,075. 5 Claims. (Cl. 74—14.)



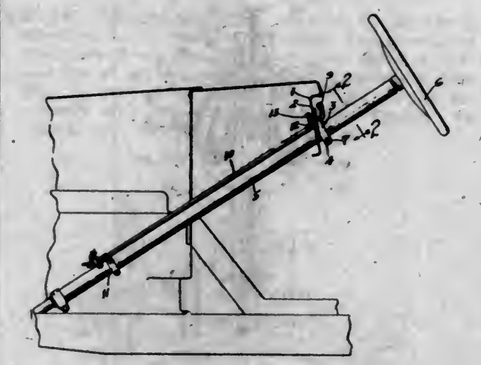
3. In combination, a cylinder, a reciprocating piston therein having a cam face transverse the skirt portion thereof, a crank shaft having a crank throw, a ring having a bearing upon said throw and reciprocated thereby, and a metal spring sufficiently strong to overcome the inertia of the piston at top dead center for holding said piston and ring in contact at all times.

1,627,776. CHAIN COUPLING. CLIFFORD CEDRIC HAUMERSON, Fort Atkinson, Wis. Filed July 26, 1926. Serial No. 125,017. 1 Claim. (Cl. 24—206.)



In a device of the class described, a casing including a wall, a latch comprising a foot and a handle disposed at an angle to each other, the handle being in contact with said wall, and projecting outwardly beyond one end of the casing, the latch being provided with an opening located at the angle formed by the foot and the handle, a pivot element mounted in the casing, and engaged with the latch, the pivot element passing across the said opening, a spring engaged around the pivot element, one end of the spring engaging the latch at one end of the said opening, and the other end of the spring bearing against said wall of the casing, and a rack bar insertable into the casing and cooperating with the foot of the latch.

1,627,777. MOUNTING FOR CONTROL LEVERS. ORMOND E. HUNT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 16, 1926. Serial No. 129,681. 6 Claims. (Cl. 74—89.)



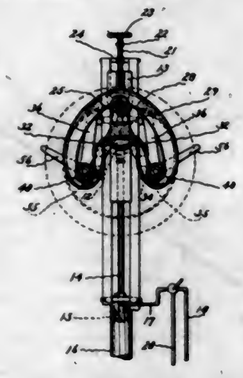
1. In a motor vehicle, the combination with an instrument panel and a steering column, of a plate connecting the panel and column, a manually operated lever mounted in said plate, and a work performing shaft extending in a longitudinal plane with said column, and connected with said lever for manual control.

1,627,778. WRENCH. HOWARD M. HUTCHINSON, Brock, Nebr. Filed Dec. 8, 1925. Serial No. 74,067. 1 Claim. (Cl. 81—59.)



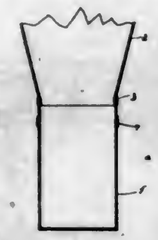
In a wrench of the class described, a handle, a substantially C-shaped jaw, a C-shaped rib formed on the back of the jaw, said rib having channels formed in the opposed faces thereof extending from one end of the C-shaped jaw to a point adjacent the other end, there being ratchet teeth formed in the edge of the rib, said handle including a pair of flat elongated members secured together in face-to-face relation, the inner ends of the members being of C-shape formation and being cut away at the opposite surfaces for receiving the C-shaped rib formed on the jaw, the inner ends of the members comprising the handle having inwardly directed flanges formed thereon for engagement within the respective channels formed in the opposed faces of the rib, said rib being disposed within the cut out portion of the complementary members comprising a handle, said handle being formed with a pocket between the members at a point adjacent the inner end thereof, a dog pivotally arranged within the pocket and having one end in normal engagement with the ratchet teeth, and a pin carried by the dog and extending laterally through one of the side edges of the handle to facilitate the disengagement of the dog from the teeth.

1,627,779. FOLDER FOR PRESSURE BAGS. WILLIAM F. IRRGANG, Chicopee, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 22, 1926. Serial No. 124,195. 4 Claims. (Cl. 18—2.)



1. In a machine for folding pressure bags for insertion in a tire casing a pair of spaced pins adapted to engage the outer periphery of the bag, a pair of folding devices adapted to engage the inner periphery of the bag at points spaced from the pins, and means for moving the folding devices and the pins relatively to each other, whereby the folding devices are caused to move outwardly around the pins to fold the bag around the same.

1,627,780. JOINT BETWEEN METAL AND GLASS AND METHOD OF MAKING THE SAME. GOTTFRIED BRUNO JONAS, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed Apr. 2, 1926, Serial No. 99,426, and in Netherlands May 11, 1925. 7 Claims. (Cl. 49—81.)



1. A method for making a tight joint, comprising, sealing an alloy of iron, chromium, and aluminum, to glass while in a plastic state.

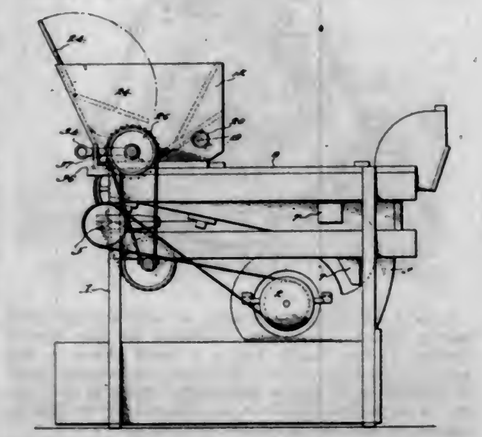
4. An article comprising glass welded to an alloy of iron, chromium and aluminum.

1,627,781. CLOSURE FOR POWDER-DISPENSING CONTAINERS. EDWARD L. KENDALL, Jersey City, N. J., assignor to William G. Kendall, Newark, N. J. Filed June 9, 1926. Serial No. 114,833. 3 Claims. (Cl. 221—62.)

1. A container closure of the class described comprising assembled body and cap members provided in their tops with discharge perforations, a perforated cut-off member slidably disposed between and sustained throughout its area by the tops of the said members and having a finger piece extending through the wall of the cap member, the top of the body member having a slot therein, the said cut-off member having a portion extending downwardly through the slot and provided with an outstanding lug, and a spring leaf disposed against the said portion of the cut-off member and having an opening in which the said lug engages to support the spring leaf, the said spring leaf having portions extending at opposite sides of the said portion of the cut-off member and bearing against the wall of the body member and yieldably holding the cut-off member in position with its perforations out of registration with the perforations of the body and cap members.

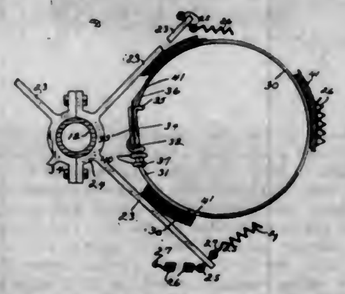


1,627,782. COTTONSEED CLEANER. CHARLES G. KIME, Crestline, Ohio, assignor to The Burch Plow Works Co., Crestline, Ohio, a Corporation of Ohio. Filed Mar. 17, 1926. Serial No. 95,413. 6 Claims. (Cl. 19—41.)



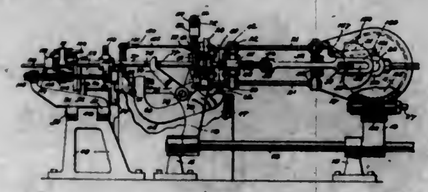
1. In a seed-cleaning machine, a hopper, a feeding drum rotatably mounted in the hopper and provided with projections upon its circumferential surface, and a brush mounted in the hopper at the bottom thereof in the path of the projections on the drum.

1,627,783. LINOLEUM-DISPLAY RACK. HERBERT F. KLEIN, Deerfield, Wis. Filed Mar. 13, 1925. Serial No. 15,191. 8 Claims. (Cl. 242—72.)



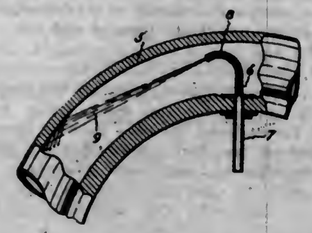
1. In a device of the character described, a ring of wire formed integrally to provide a clip, said clip including a work engaging portion positioned to receive work disposed tangentially of said ring.

1,627,784. DIE-CASTING MACHINE. TORBJORN CONRAD KORSMO, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed June 28, 1926. Serial No. 119,143. 21 Claims. (Cl. 22—69.)



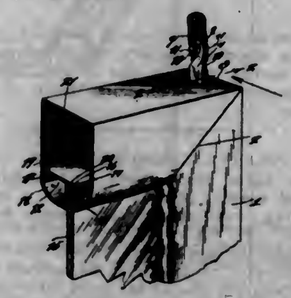
1. The combination with a die casting machine of the type in which the molten metal is forced into the die by gas under pressure entering through a pressure connection, of a movable abutment interposed in said connection and controlling flow therethrough; and means for regulating the movement of said abutment.

1,627,785. METHOD OF VULCANIZING TIRES. STANLEY KRALL, Longmeadow, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 30, 1926. Serial No. 132,398. 3 Claims. (Cl. 18—53.)



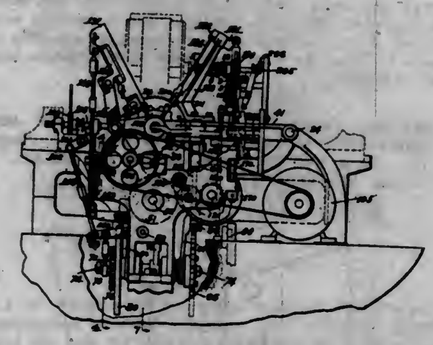
1. A process of vulcanizing a pneumatic tire which comprises locating the tire in a mold, placing within the tire an annular hollow pressure bag formed with a single valve-stem having its inner end tangentially directed and provided with a restricted opening, subjecting the outside of the mold to heat, and admitting to the inside of the bag steam at a pressure corresponding to a temperature greater than that to which the exterior of the mold is heated.

1,627,786. CONNECTER FOR SASH AND SASH CORD. GEORGE W. LANCASTER, Richmond, Va. Filed Apr. 11, 1923, Serial No. 631,417. Renewed Mar. 26, 1927. 4 Claims. (Cl. 24—232.)



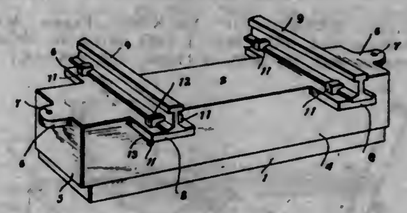
1. A connecter adapted for use in connection with a sash rail, comprising opposed flat plate ears normally in parallelism and adjacent each other, said ears being slotted reversely to form adjacent opposed hooks, whereby upon spreading the ears flatwise from each other and permitting a partial turn to a sash chain link, it may simultaneously engage with both hooks, and means for attaching the ears to the sash rail.

1,627,787. BRUSH MACHINE. ARTHUR W. LE BOEUF, Brooklyn, N. Y., assignor, by mesne assignments, to Northboro Brush Company, Northboro, Mass., a Corporation of Massachusetts. Original application filed May 22, 1916, Serial No. 99,100. Divided and this application filed Jan. 2, 1923. Serial No. 610,124. 26 Claims. (Cl. 300—2.)



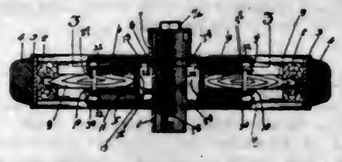
1. In a brush making machine, the combination of a brush turret for supporting brush blanks, means for moving said turret up and down, means for moving the turret longitudinally, and means for intermittently rotating the turret, with means for drilling a hole in the brush blank on one side of the turret in each position, and means for setting a tuft of bristles in the brush blank when in a diametrically opposite position.

1,627,788. RAILROAD TIE. EDWARD A. LOCKWOOD, Zanesfield, Ohio. Filed Aug. 18, 1926. Serial No. 130,051. 1 Claim. (Cl. 238—48.)



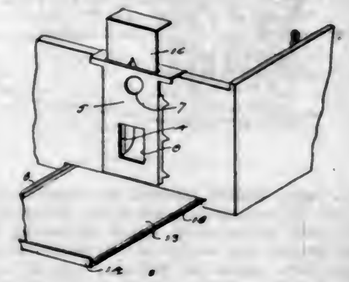
A railroad tie comprising an open-top box having a transverse partition therein integral with its side walls and having its upper edge flush with the upper edges of the side walls of the box, a cover extending over the entire box and having depending walls fitting around the sides and ends of the box, laminated cushioning material entirely filling the box and extending across the upper edges of the walls of the box and the partition and filling the space between said edges and the under side of the cover, supporting plates integral with and projecting laterally from the sides of the cover flush with the top of the same, and rail-anchoring elements extending through said plates and secured at the under sides thereof.

1,627,789. RESILIENT WHEEL. HUGH C. LOAD, Erie, Pa. Filed Feb. 9, 1921. Serial No. 446,244. 45 Claims. (Cl. 152—28.)



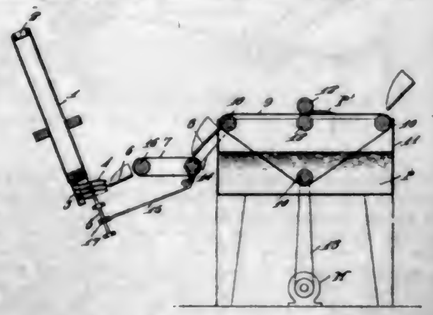
9. In a wheel, the combination of a hub member; a rim member, said members having radially overlapping portions spaced apart; and a resilient axially extending rubber tension connection between the wheel members, said connection being subjected to tension with the initial movement of the wheel members, said connection being formed of a plurality of tension strands thinner than the space between the wheel members, said elements being out of contact.

1,627,790. CIGAR-TIP CUTTER AND CIGAR BOX. THEODORE K. MACORN and JOSEPH A. POZERA, Ziegler, Ill. Filed Feb. 19, 1924. Serial No. 693,821. 6 Claims. (Cl. 131—66.)



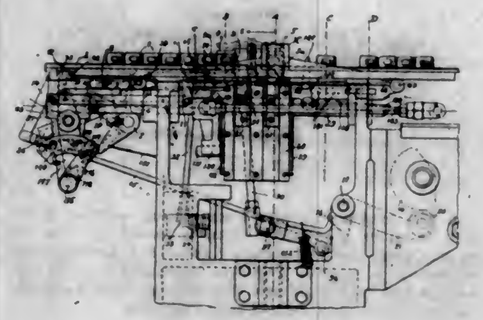
2. A container for cigars, a cigar cutter applied to an enclosing wall of the container, and a tray slidably mounted upon the bottom of the container to close thereunder and adapted to receive the cuttings as the tips are severed from the cigars, said cutter having means operating to hold the tray in closed position, and the cutter in turn being held pressed inwardly by the lid of the container.

1,627,791. METHOD OF PACKING. FRANK MACY, Converse, Ind. Filed Mar. 1, 1924. Serial No. 696,309. Renewed Mar. 26, 1927. 1 Claim. (Cl. 226—14.)



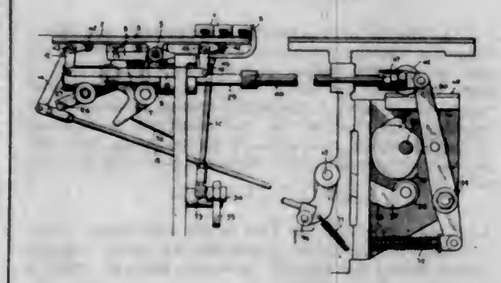
The herein described method of preparing and packaging bottle caps and the like which consists in impregnating the caps with paraffin and delivering them, while hot, upwardly into the open lower end of a container, said container being sealed at its upper end.

1,627,792. FEEDING DEVICE. FRANCIS X. MALOCSAY, Upper Saddle River, N. J., assignor to International Banding Machine Company, a Corporation of New York. Filed May 21, 1923. Serial No. 640,463. 18 Claims. (Cl. 131—61.)



1. In a combined cigar feeding and banding machine, means for moving toward feeding position a row of packed cigars bearing a definite relation toward each other, and means for actuating said cigars one at a time from feeding position to banding position without changing the rotative relationship of the respective actuated cigars to the remaining cigars of said row.

1,627,793. AUTOMATIC FEEDING MECHANISM. FRANCIS X. MALOCSAY, Upper Saddle River, N. J., assignor to International Banding Machine Company, a Corporation of New York. Filed May 21, 1923. Serial No. 640,465. 13 Claims. (Cl. 131—61.)

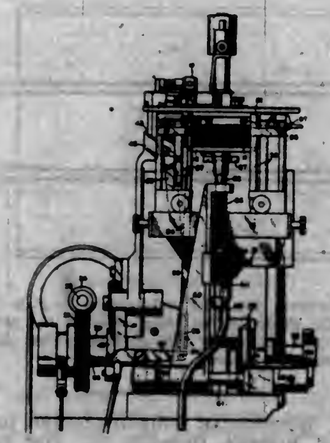


1. In a device of the character described, means for feeding a row of articles one at a time to feeding position, comprising feeding members and a gage member, and means for imparting a substantially elliptic movement to said members.

1,627,794. CIGAR-BANDING MACHINE. FRANCIS X. MALOCSAY, Upper Saddle River, N. J., assignor to International Banding Machine Company, a Corporation of New York. Filed July 26, 1923. Serial No. 653,831. 57 Claims. (Cl. 131—61.)

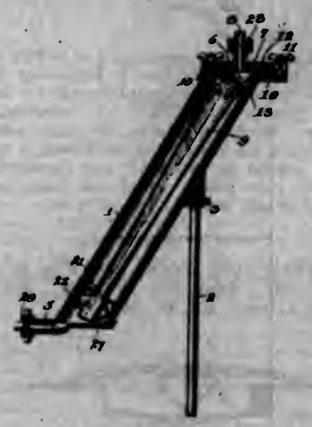
1. In a cigar banding machine, a band carrier adapted to hold a stack of bands, means for spacing the outermost band from the rest of the stack, said carrier having means for supporting the said outermost band and means for applying gum to said outermost band.

36. In a cigar banding machine, a gum applying device, a band stack carrier, means for spacing the outermost band above said stack, means for causing said spaced band to engage said device, and a support beneath said spaced band.



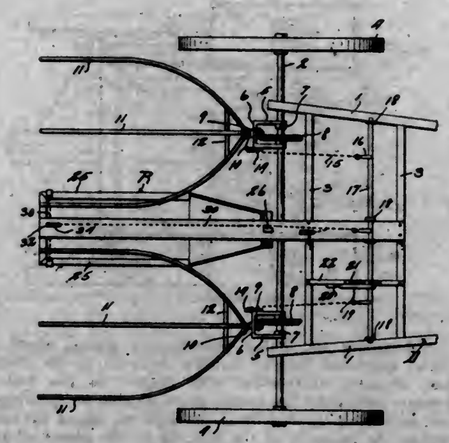
50. In a cigar banding machine, a band stack carrier, means for reciprocating said carrier, and means adapted to engage an edge of said stack during said reciprocation to separate the bands of said stack.

1,627,795. MILK FILTER. ROY A. MANNING, Rutland, Vt., assignor to The Manning Manufacturing Company, Rutland, Vt. Filed June 19, 1926. Serial No. 117,102. 9 Claims. (Cl. 210—154.)



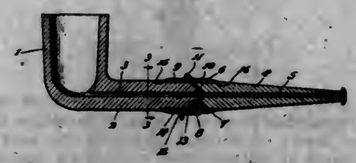
1. A milk filter comprising a container having an opening at top and bottom, a support arranged to carry the container at an angle thereto, a filtering sack within the container, means in the lower portion of the container for forming a sediment trap in the sack, a cap for the top opening of the container, an opening in the cap for admitting milk to the filtering sack, the opening at the bottom of the container being adapted for allowing filtered milk to flow from the container.

1,627,796. MACHINE FOR COLLECTING BUGS. ROBERT MARTIN, Fort Francis, Ontario, Canada. Filed May 8, 1926. Serial No. 107,748. 3 Claims. (Cl. 43—42.)



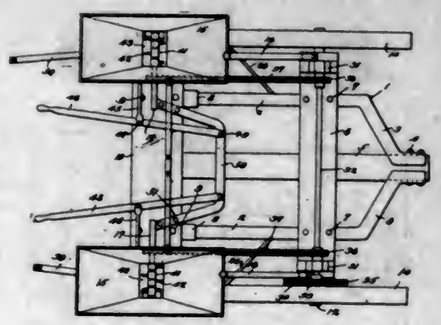
1. A machine of the class described comprising, in combination, a wheel supported axle, a bracket engaged with the axle for swinging movement about the axle, a revoluble striking element carried by the bracket and disposed rearwardly of the machine, said axle rotating when the machine is in transit, a driving connection between the axle and revoluble element, means for swinging the bracket to raise the element, a frame structure operatively engaged with the axle, a rearwardly disposed beam carried by said frame structure and extending along one side of the revoluble element, a receptacle positioned below the beam, flexible members coacting with the beam and receptacle for supporting said receptacle, the means for swinging the bracket also imposing pull upon said flexible members when the bracket moves upwardly to lift the receptacle.

1,627,797. PIPE. WILLIAM J. MATTERN, Lewistown, Pa. Filed Jan. 26, 1926. Serial No. 83,895. 1 Claim. (Cl. 131—12.)



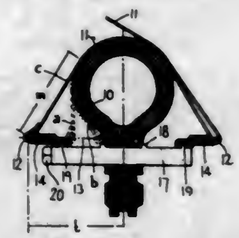
A smoking device including a stem, a mouth piece adapted to be disposed in end to end contact with said stem, sleeves fitted tightly about the stem and mouthpiece and hingedly connected to mount the mouth-piece for swinging movement towards and away from the end of the stem, the free end portion of said stem being projected from the sleeve mounted thereon and tapered and the mouth-piece having a portion enclosed by said sleeve recessed to snugly receive the tapered portion of said stem, and a latch carried by one sleeve and adapted to engage the other sleeve and releasably hold the mouthpiece in operative relation to the stem.

1,627,798. FERTILIZER DISTRIBUTOR. GEORGE H. MCTYRE, Daingerfield, Tex. Filed Apr. 11, 1924. Serial No. 705,906. 1 Claim. (Cl. 111—59.)



A fertilizer distributor embodying a ground wheel, a frame supported thereby, handles mounted on the frame and extended rearwardly with respect to the frame, hoppers carried by the frame, gates slidable on the frame and governing the flow from the hoppers, means for conveying the contents of the hoppers to the places of application, a bracket carried by the frame and located between the hoppers, the bracket extending forwardly from the rear portion of the frame, levers located between the hoppers and prolonged rearwardly beneath the handles, the levers being fulcrumed at their forward ends on the intermediate portion of the bracket for horizontal swinging movement, outwardly extended links pivoted at their inner ends directly to the levers, and means for connecting the outer ends of the links directly and pivotally to the gates.
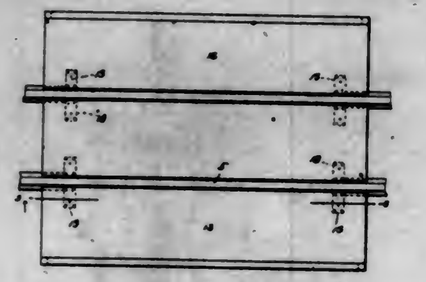
1,627,799. TIRE CONSTRUCTION. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Dec. 9, 1922. Serial No. 605,776. 7 Claims. (Cl. 154—14.)



1. A method of constructing multi-ply tires of substantial horse-shoe cross-section which comprises placing successive layers of material, anchoring the bead edges of each layer of material with a relatively inextensible anchorage while the bead edges of that layer are held out from their ultimate positions, and moving the bead edges of each layer after it is laid and before the laying of the succeeding layer, so that successive piles will, when finally shaped into the horseshoe cross-section be tensioned to the desired degree.

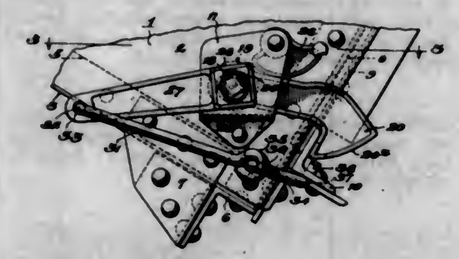
1,627,800. RAILWAY CROSSING. HERBERT MILLS, San Antonio, Tex. Filed Oct. 30, 1926. Serial No. 145,244. 2 Claims. (Cl. 238—8.)

1. In a trackway crossing, pairs of blocks secured to the opposite sides of the rails of the trackway, inclined plates disposed upon the upper edges of the blocks at the outer sides of said rails, hinge rods interconnecting said plates and said blocks, and a horizontal plate



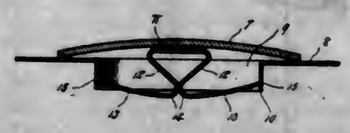
disposed between the rails and secured by rods passing through the blocks at the inner sides of the rails and members upon the under side of said center plates at the opposite edges thereof.

1,627,801. HOPPER-CAR DOOR-OPERATING DEVICE. EDWIN C. MITCHELL, Greenville, Pa. Filed Jan. 25, 1926. Serial No. 83,638. 7 Claims. (Cl. 105—308.)



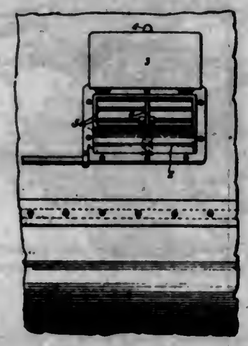
7. In a railway car door operating and locking means, a door arm carried by the door, a supporting bracket carried by the car, a shaft journaled through the bracket, a door hook pivoted on the shaft and cooperating with the door arm, coacting means on the shaft and door hook for swinging the latter when the former is rotated, and an arm pivoted on said shaft and connected with the door arm, said second named arm being movable independently of said shaft.

1,627,802. ATTACHING MEANS. DE WITT T. MOATS, Columbus, Ohio. Filed Nov. 12, 1926. Serial No. 147,997. 5 Claims. (Cl. 40—20.)



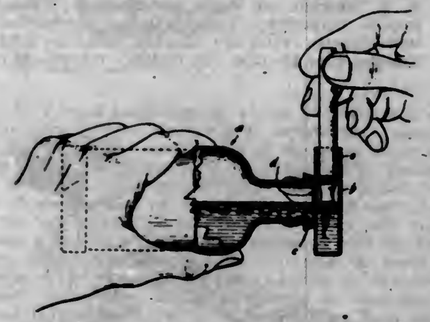
1. The combination with an object to bear against another object across an opening therein, of a resilient device carried by the first named object having converging portions projecting from the first named object and having portions extending away from one another from said converging portions and adapted to be sprung toward the first named object when entering said opening so that their ends engage and bite the wall of the opening and resist movement out of the opening.

1,627,803. SOAP DOOR FOR WASHING MACHINES. EMANUEL J. PERRY, New Bedford, Mass., assignor to Perry Laundry Machinery Company, Fairhaven, Mass., a Corporation of Massachusetts. Filed May 14, 1926. Serial No. 109,148. 4 Claims. (Cl. 68—37.)



1. A soap feeding and holding device comprising a casing, a closure therefor, and a scraping device conforming to the contour of the inner wall of the casing for removing soap deposits from said wall.

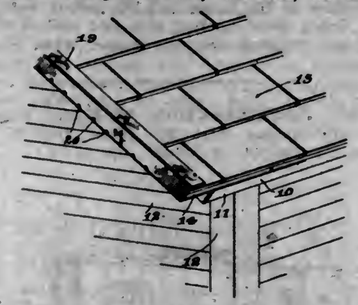
1,627,804. COMBINED STOPPER AND PEN-FILLING ATTACHMENT FOR INK BOTTLES. ARTHUR D. PLATT, Portland, Oreg. Filed Mar. 11, 1925. Serial No. 14,712. 4 Claims. (Cl. 215—57.)



1. The combination with a fluid container, of a member adapted to be removably secured to the mouth of such container and including an auxiliary fluid receptacle open at one end and closed at the other and formed for communication with the container through a fluid transferring duct and an air transferring duct, the connection between the fluid container and auxiliary receptacle permitting the passage of the fluid from the container to the receptacle in a predetermined position of the former and automatically cutting off such passage when the air transferring duct is sealed by the fluid in the auxiliary receptacle.

1,627,805. COMBINED SHINGLE SUPPORT AND CORNICE-PROTECTING DEVICE. JOHN E. RICHARDS, Peckville, Pa. Filed July 27, 1926. Serial No. 125,267. 2 Claims. (Cl. 108—26.)

1. In combination with a roof and cornice, a shingle support comprising a metallic plate having integrally formed therefrom a portion adapted to be fastened to the roof in some suitable manner, a downwardly extending flange adapted to abut against the edge of the cornice, a section for projecting beyond the edge of the roof thus protecting the roof against adverse weather conditions, an upwardly extending element along the outer edge of the section adapted to serve as a guide for the edge of the shingles as they are laid, an inwardly



extending clinching portion along the upper edge of the element for the purpose of securely holding the shingles in position, the section, clinching portion and element being formed approximately at right angles to each other.

1,627,806. NONSLIP ATTACHMENT FOR AUTOMOBILE WHEELS. JOHN D. ROSS, Washington, D. C. Filed Jan. 19, 1927. Serial No. 162,168. 2 Claims. (Cl. 152—14.)



1. A non-slip unit of the character described comprising a curved plate or resilient material which conforms to the periphery of the tire, calks carried by said plate, U-shaped anchoring elements engaged with said plate of a size to embrace a tire transversely of the plate and a chain at each side of said unit extending lengthwise thereof and connecting the inner ends of the said anchoring elements, and placed under tension by the resiliency of the curved plate.

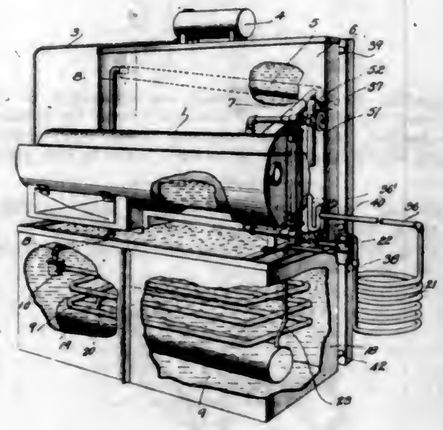
1,627,807. CAN FOR GASOLINE OR THE LIKE. HELEN MAR ROUSSIN, Providence, R. I. Filed Oct. 9, 1926. Serial No. 140,490. 1 Claim. (Cl. 220—86.)



As a new article of manufacture, a container having a depression in one of its walls to provide a pocket, the bottom of the pocket having a threaded opening, a funnel adapted to have endwise movement through said opening, the opposite end portions of the funnel having external threads for engagement with the threaded opening, means for limiting the endwise movement of the funnel in either direction with respect to the bottom

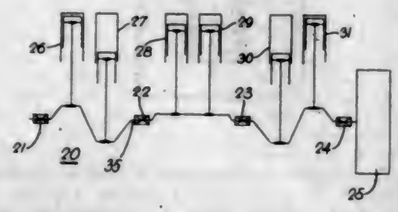
wall of the pocket, a removable plug for closing the funnel, means carried by said plug and engageable with the funnel to impart rotation to the funnel to effect or release the threaded engagement between the opposite end portions of the funnel and the bottom wall of the pocket, and a cover coacting with said wall of the container and disposed over the pocket when in closed position.

1,627,808. REFRIGERATION SYSTEM. RALPH E. SCHURTZ, Kansas City, Mo. Filed July 27, 1923. Serial No. 654,180. 9 Claims. (Cl. 62—5.)



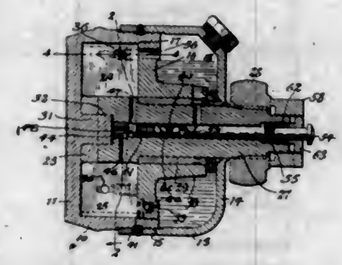
1. In a refrigerating machine, a still-absorber, a condenser, and an evaporator all connected in an operative cycle, a return cooling conduit outside the still-absorber through which fluid from within the still-absorber circulates to reduce the temperature within the still-absorber, and thermal means for vaporizing the fluid in the return conduit to create local pressure in the conduit to interrupt the flow thereto.

1,627,809. CRANK SHAFT. CHARLES R. SHORT, Detroit, Mich., assignor to General Motors Research Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 16, 1926. Serial No. 129,490. 6 Claims. (Cl. 74—38.)



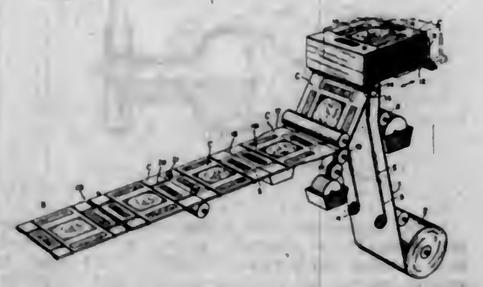
1. A crankshaft comprising portions secured together by means coaxial with the crankshaft and of greater torsional flexibility than other portions of said crankshaft.

1,627,810. SHOCK ABSORBER. ALBERT B. SHULTZ and ANTHONY B. CASPER, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a Corporation of New York. Filed May 8, 1926. Serial No. 107,595. 4 Claims. (Cl. 188—89.)



1. A shock absorber, comprising a pressure chamber, a piston oscillating in said chamber and having a hub provided with a passage leading from one side of said piston to the other and a valve seat in said passage, a valve member movable toward and from said valve seat, means for adjusting said valve member relatively to said seat, and spring means for yieldingly holding said valve member in its adjusted position.

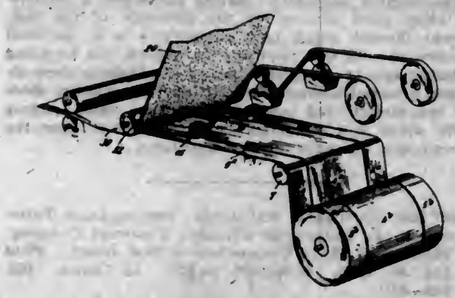
1,627,811. METHOD OF PRODUCING BOXES AND BOX BLANKS. HARRY BRIDGMAN SMITH, Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1923, Serial No. 612,171. Renewed June 25, 1926. 21 Claims. (Cl. 93—36.)



1. A method of producing printed box blanks, comprising advancing a continuous web of shell material, adhesively conditioning a surface thereof, advancing successively individual printed sheets, securing the successive sheets to the adhesive surface of the web, and severing the web assembly at regular intervals to produce individual printed blanks.

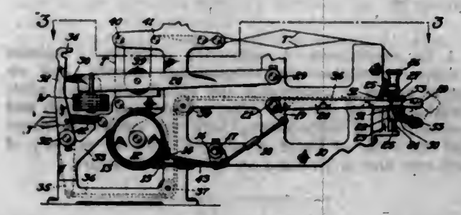
1,627,812. METHOD OF PRODUCING BOXES AND BOX BLANKS. HARRY BRIDGMAN SMITH, Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1923, Serial No. 612,172. Renewed June 25, 1926. 21 Claims. (Cl. 93—36.)

1. A method of producing box blanks, comprising concurrently advancing two or more strips of box forming material, applying connecting strips to secure the first named strips together, applying and securing a cover



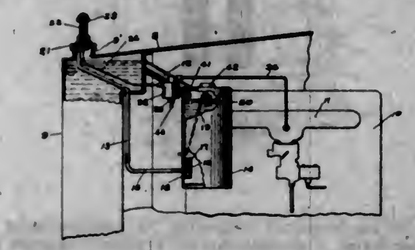
sheet and severing the continuous assembly so produced at regular intervals to form individual box blanks.

1,627,813. BALANCED LET-OFF FOR LOOMS. KENNETH J. UNWIN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1925. Serial No. 63,176. 8 Claims. (Cl. 139—104.)



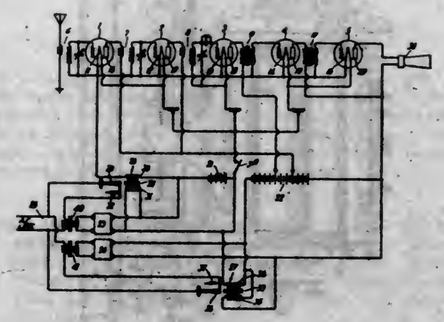
1. In a let-off mechanism for a loom having a pair of alternately operative devices each capable when operative of exerting the same tension on the warp, means to hold one of said devices normally inoperative to tension the warp, means normally acting to cause the other device to exert tension on the warp, an element connected to the last named means effective to cause said last named means to exert a predetermined tension on the warp, said element being movable to increase the tension exerted by said other device, and a member to move the element to increase the tension exerted by said other device to prevent the latter from delivering warp and operatively connected to the first named means to render operative the device normally inoperative to tension the warp.

1,627,814. RADIATOR REFLOW DEVICE. ELLING O. WEEKS, Milwaukee, Wis. Filed Jan. 21, 1921. Serial No. 438,913. 9 Claims. (Cl. 123—25.)



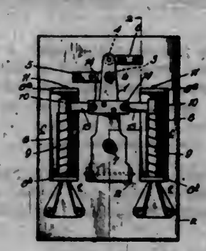
1. An internal combustion engine having a liquid cooling system, a supply tank for maintaing a normal supply of liquid in the system, and a transparent tubular sight device visible from the driver's seat and included in the liquid circuit and through which the liquid flows from the tank to the system.

1,627,815. RADIO BATTERY CHARGER. CARLETON T. WEIBLER, La Grange, Ill., assignor to All-American Radio Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1926. Serial No. 150,534. 5 Claims. (Cl. 250—27.)



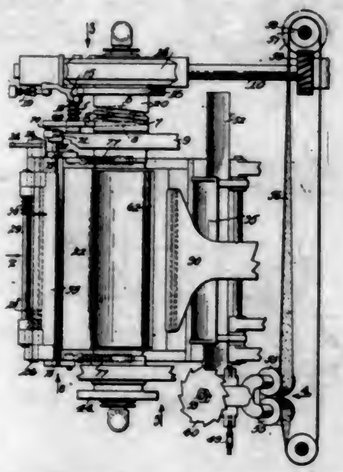
1. In combination, a radio receiver comprising thermionic tubes, a current supply battery for said tubes, a source of charging current for said battery, means responsive to the potential of said battery for connecting the charging source therewith, and means actuated when the radio receiver is taken into use for disabling said last mentioned means.

1,627,816. THERMAL LIMIT RELAY. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Apr. 16, 1925. Serial No. 23,526. 4 Claims. (Cl. 200—122.)



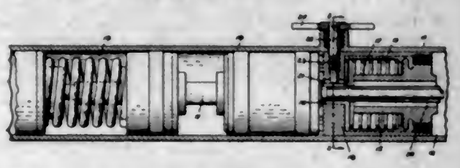
1. In a circuit controlling device, a thermostat comprising a suitable support, a housing on said support composed of a flat bi-metallic strip wound into the form of a helix the convolutions of which fit closely together and form a tube, and a part closing one end of said tube, the other end of said tube being open, said housing having its open end secured to the support and having its closed end uppermost, and an electric heating element insertable through said open end into the housing.

1,627,817. CASTING AND FINISHING MACHINE FOR CURVED STEREOTYPE PRINTING PLATES. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Apr. 17, 1923, Serial No. 632,639. Renewed Dec. 27, 1926. 39 Claims. (Cl. 22—3.)



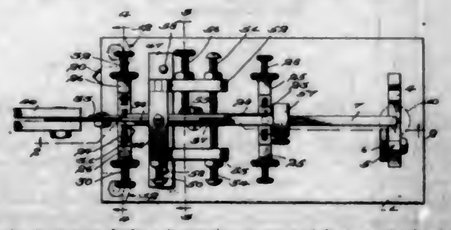
1. The combination with a stereotype plate casting back, of a core rotatable therein, means for starting the core to rotate, and means for automatically stopping the core when it has completed two full revolutions.

1,627,818. CONTROL VALVE FOR RECUPERATOR MECHANISMS. HARRY C. ZIMMERMAN, Washington, D. C. Filed Nov. 27, 1926. Serial No. 151,217. 2 Claims. (Cl. 89—43.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



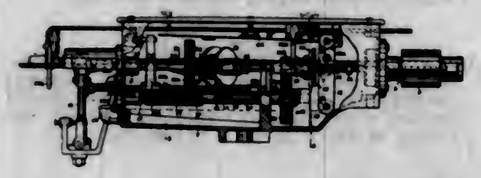
2. A recuperator including a cylinder, a floating piston within the cylinder provided with a throttling bar, a block within the cylinder provided with a throttling orifice, and an auxiliary manually controlled valve mechanism in the block.

1,627,819. TELEGRAPH TRANSMITTER. JOHN R. YOUNGBLOOD, New Orleans, La. Filed Apr. 16, 1926. Serial No. 102,500. 10 Claims. (Cl. 178—108.)



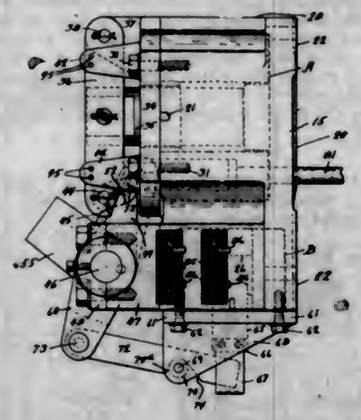
1. A transmitting instrument comprising a single insulating base, a relatively large metallic plate applied to the underside of the base and being connectible with one side of a circuit, relatively small brackets mounted upon the base and in connection with said plate, a relatively large metallic manipulator having contactors, a relatively small plate situated on the underside of the base, means through which said manipulator is in electrical connection with said relatively small plate, the foregoing relative size of parts establishing a relatively even division of metal between the parts on the respective sides of the circuit, and contacts carried by said brackets with which said contactors are engageable to close the circuit upon operation of the manipulator.

1,627,820. QUILLING MACHINE. GEORGE ADSIT, Paterson, N. J., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 30, 1926. Serial No. 84,877. 14 Claims. (Cl. 242—31.)



1. In combination, a supporting structure, a spindle structure revoluble and reciprocatory therein, and coacting means to reciprocate the spindle structure while rotating one of which is a barrel cam arranged on and concentric and reciprocating with the spindle structure and the other of which is engaged with the camway of said cam and is arranged on the other structure.

1,627,821. ELECTROMAGNET. CHESTER D. AINSWORTH, Wollaston, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 1, 1922. Serial No. 585,672. 23 Claims. (Cl. 200—101.)



1. An electro-magnet comprising the combination of a magnet frame, a solenoid therein, a plunger operable in the solenoid, a pivoted lever connected with said plunger intermediate its length and pivoted to said frame at one side of said plunger, and a rotatably supported operating shaft disposed at the other side of said plunger and having an arm arranged for engagement with said pivoted lever said shaft having an extension disposed at one side of said arm and having a second arm on said extension.

1,627,822. HOME SAVINGS BANK. VERNE P. ALEXANDER, Chicago, Ill., assignor of one-half to Ollie L. Herron, Chicago, Ill. Filed Jan. 22, 1926. Serial No. 83,127. 6 Claims. (Cl. 232—4.)



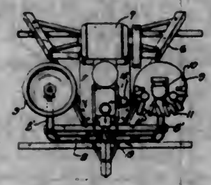
1. A bi-directional clamp for an assembly of superposed articles comprising a set of jaws carried by the foremost article, said jaws being movable to exert pressure in one direction whereby to clamp the intermediate articles to said foremost article and concurrently in the direction of the rearmost article to clamp the same.

1,627,823. RADIOJACK. RALPH M. C. R. AUGUST, Great Kills, N. Y., assignor, by mesne assignments, to L. A. Florence, Teaneck, N. J. Filed Feb. 3, 1925. Serial No. 6,560. 9 Claims. (Cl. 179—96.)



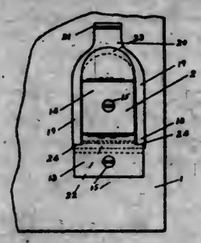
8. A flat slotted insulating radio jack body having flat contacts edge to edge crossing the slot of the body transversely thereof.

1,627,824. DAIRY-EQUIPMENT CLEANER. BRUCE F. BEATY, Waukesha, Wis., assignor to The Universal Milking Machine Co., Waukesha, Wis., a Corporation of Wisconsin. Filed June 21, 1926. Serial No. 117,436. 2 Claims. (Cl. 141—1.)



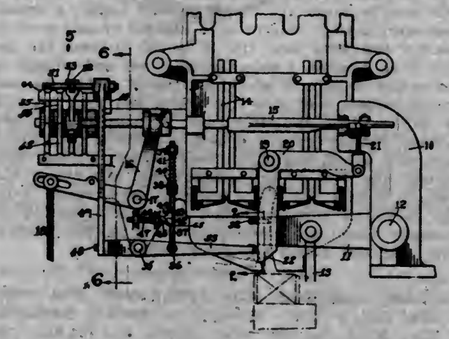
1. A dairy equipment cleaning device comprising a tank, a support adapted to receive a milking machine pulsator unit with the cup leads immersed in said tank, and a pump in communication with the tank and the support.

1,627,825. DOOR CATCH. KENNETH H. BECK and EDWARD H. BLACKBURN, Pittsburgh, Pa. Filed July 6, 1925. Serial No. 41,477. 7 Claims. (Cl. 292—109.)



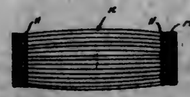
1. A door catch comprising a member arranged to be secured to the face of a door and having a seat in the upper portion thereof, and a latch member loosely mounted in a recess of said door member and arranged to be brought into a position of rest on said seat, said latch member being arranged to be lifted and rotated outwardly therefrom.

1,627,826. INTERMITTENT FEELER IN TRANSFERRER. HAROLD L. BLANCHARD, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 26, 1925. Serial No. 64,756. 11 Claims. (Cl. 139—271.)



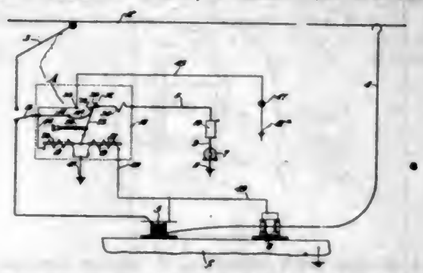
1. In a weft detecting mechanism for looms, a weft detector, a support for said detector to move the latter toward the weft supply on detecting beats of the loom, means normally at rest to be operatively connected to the detector as the latter is moved toward the weft supply and operative when so connected to move the detector into contact with the weft supply, and a device to hold said means out of position to be operatively connected with the detector when a relatively large amount of yarn is present.

1,627,827. PACKING PAD. HERBERT J. BLOCKI, Sheboygan, Wis. Filed Feb. 11, 1924. Serial No. 691,961. 2 Claims. (Cl. 206—46.)



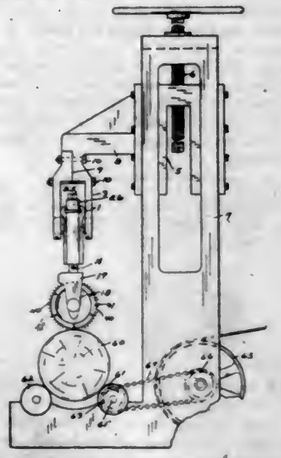
1. As a new article of manufacture, a bundle of packing pads of the character described, each of said pads having open ends and being disposed with its open ends in alignment with other pads of the bundle, and each of such ends of said pads being adherent to the ends of adjacent pads, whereby said bundle will retain its form without securing cords.

1,627,828. AUTOMATIC SAFETY BREAKER. LADURA ALEXANDER BROWN, Uniontown, Pa. Filed Nov. 6, 1925. Serial No. 67,300. 3 Claims. (Cl. 175—294.)



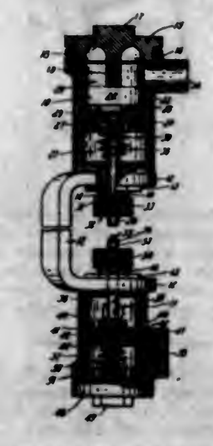
1. In combination with a machine, a motor for operating the machine, a single wire supply circuit for the motor including a cable leading from a source of current supply, a reel for said cable, a cable guide, said cable reel and cable guide being insulated from the remainder of said machine, a safety switch through which the positive lead to said motor passes, said switch comprising a casing, a stationary contact having a lead to the motor, a movable contact arm connected by suitable leads to said cable and normally in contact with said stationary contact, a magnet coil and plunger adapted to be energized by the current flowing through said cable reel and cable guide when said cable is grounded thereon, said coil and plunger being adapted to move said contact arm to break the circuit to said motor, a second stationary contact adapted to be engaged by said movable contact arm when said arm is caused to break the circuit to said motor, a second magnet coil and plunger, a connection from said second stationary contact to said second magnet coil, said last named coil being adapted to be energized by the current flowing through said movable contact arm and to hold said arm in engagement with said second named stationary contact whereby said contact arm will not again engage said first named stationary contact until said cable is disconnected from the source of current supply, and means tending to normally force said movable contact arm into contact with said first named stationary contact.

1,627,829. METHOD AND APPARATUS FOR PRESERVING POSTS. MAURICE E. BROWN, Marinette, Wis. Filed Aug. 28, 1924. Serial No. 734,812. 10 Claims. (Cl. 144—2.)



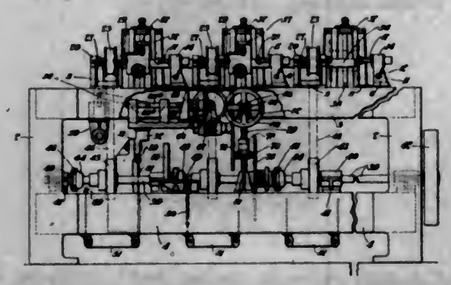
1. A wood perforator comprising the combination of a holder, an adjustable support therefor, a set of rotary wheels provided with peripherally projecting perforating devices, and means for rotating a wooden post in pressure contact with said perforating devices, each of said wheels being adapted to yield independently of the others in accordance with the pressure exerted thereon and each of said perforating devices being adapted to oscillate to a limited extent substantially in the plane of wheel rotation to allow it to be withdrawn from the wood by the rotating wheel substantially along the line of penetration.

1,627,830. VALVE CONSTRUCTION FOR AUTOMATIC HOT-WATER HEATERS. JOSEPH W. BUCKLEY, Springfield, Mass. Filed Nov. 15, 1926. Serial No. 148,415. 3 Claims. (Cl. 236—25.)



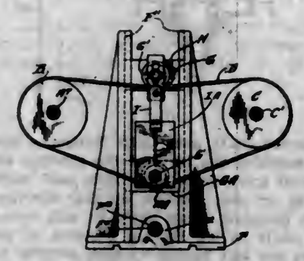
1. A water valve for instantaneous water heaters comprising a chamber having a main portion and an enlarged end portion, an inlet opening into the main portion and an outlet opening out of the enlarged portion, a piston sliding in the main portion, connections operable to open a gas valve when the piston is projected into the enlarged portion of the chamber, said piston having an annular recess intermediate of its length and vents leading into said recess from the end of the piston remote from the enlarged portion of the chamber, whereby the water flow will be through the vents and the recess into the enlarged portion of the chamber.

1,627,831. SPOOLING MACHINE. HERBERT S. BUSBY and WARREN A. HALLSTROM, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Oct. 18, 1926. Serial No. 142,341. 10 Claims. (Cl. 242—25.)



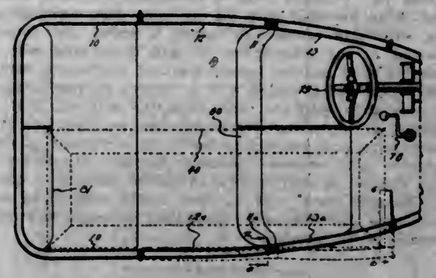
1. A spooling machine comprising in combination a main frame, at least one head stock and one tail stock mounted on said frame, a reel adapted to carry a bundle of wire to be spooled, said reel being mounted at the rear of the main frame and being tiltable forwardly toward said main frame and head and tail stocks, means for driving said head stock, means for controlling said driving means to operate and stop operation of said head stock, and means for automatically operating said control means to stop the operation of said head stock when said reel is tilted forward.

1,627,832. SPEED REGULATION. CHARLES E. CARPENTER, New York, N. Y. Filed Aug. 24, 1921, Serial No. 495,126. Renewed Jan. 7, 1925. 7 Claims. (Cl. 172—293.)



1. In a system comprising a motor, a synchronizing shaft, a pulley driven by the motor, a pulley driven by the shaft, a belt looped about the pulleys, the improved means for maintaining a definite speed relation between the motor and shaft consisting of a motor speed regulator, and means controlled by variations in the length of said belt between given points, resulting from variations in the relative speeds of said pulleys, for adjusting said regulator as required.

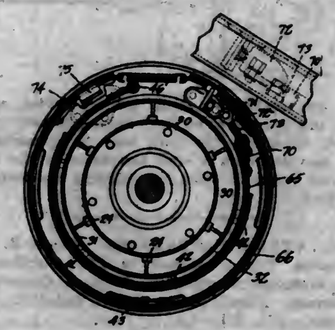
1,627,833. CONVERTIBLE PASSENGER VEHICLE AND CASKET COACH. HARRY A. CHANDLER, Sioux City, Iowa. Filed Oct. 25, 1926. Serial No. 143,983. 10 Claims. (Cl. 296—16.)



1. A convertible vehicle body, having a normal width at its forward extremity which is less than the width at it rear extremity, a pair of doors hinged in one side of said body, a post separating the doors, the doors and post being movable to bring them into a common plane parallel to the longitudinal axis of the body and alinged with the widest portion of the side wall of the vehicle.

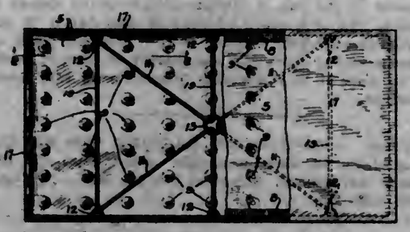
10. In combination with a vehicle body having upper and lower sills provided with slotted cavities, a post having protruding elements comprising a tongue at one end received in one of the cavities, a spring-urged bolt received in the other cavity, said bolt being retractable to allow removal of the post, a bracket having a slotted arm to receive one of said protruded elements and a socket secured to the vehicle body to receive another arm of said bracket.

1,627,834. VEHICLE BRAKE. THERON P. CHASE, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 699,252. 6 Claims. (Cl. 188—140.)



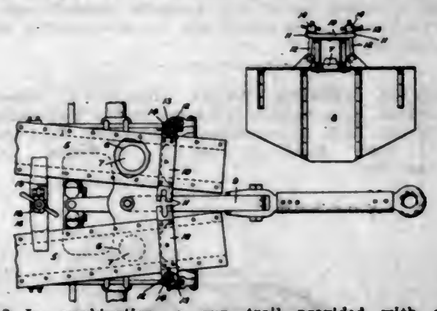
1. A brake comprising, in combination, a drum, a floating ring inside the drum, centrifugal means frictionally engaging the ring to cause it to rotate with the drum, a driver-controlled servo device arranged to engage and be operated by the ring, and a brake member arranged to be moved by the servo device into engagement with the drum.

1,627,835. PNEUMATIC BED. ROBERT LEE COMBS, Herington, Kans. Filed June 14, 1923. Serial No. 645,394. 2 Claims. (Cl. 5—350.)



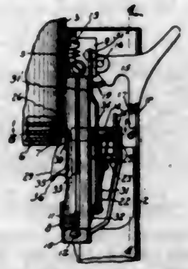
1. A pneumatic bed, comprising an air tight casing adapted to be inflated and having a series of eyes secured internally to the top and bottom, lacing cords roven through the eyes, elastic cords extending across the interior of the casing obliquely and perpendicularly to the sides thereof, all of said elastic cords being in a plane parallel to the top and bottom of the casing and connected to the sides of the casing, and a single ring at the center of the casing through which all of said elastic cords are roven, said ring being supported by the tension of said elastic cords.

1,627,836. TRAIL CONNECTION. THOMAS A. CONLON, Silver Spring, Md. Filed Dec. 22, 1925. Serial No. 77,078. 3 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, Stat. L., 625.)



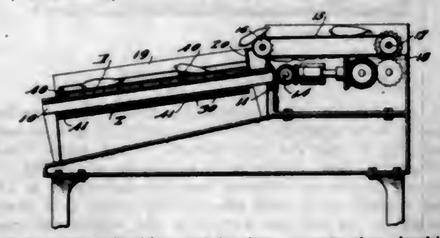
2. In combination, a gun trail provided with an aperture and a transverse cleat having forked arms and a member to which the trail may be connected, said member provided with a stud receivable in the aperture of the trail and with bolts for engaging the forked arms of the cleat.

1,627,837. VENDING APPARATUS. HENRY B. COOLEY, Kensington, Conn., assignor to The American Paper Goods Company, Kensington, Conn., a Corporation of New Jersey. Filed June 12, 1922. Serial No. 567,530. 4 Claims. (Cl. 211—8.)



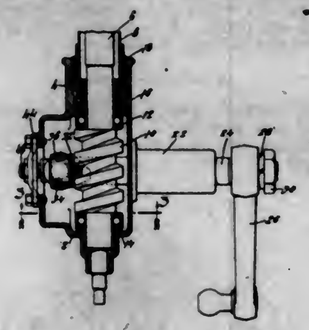
2. A machine of the class described comprising a barrel to receive a stack of nested drinking cups, the discharge opening of the barrel being smaller than the transverse diameter of the cup, a plunger positioned to engage the terminal cup of a stack of cups in said barrel to push the side thereof inward and to force it from the stack, and an actuator for operating the plunger to push it inward and to move it in a direction transverse to said inward movement.

1,627,838. CORN-HUSKING MACHINE AND METHOD. RALPH COVER, Baltimore, Md. Filed Sept. 27, 1921, Serial No. 503,523. Renewed Jan. 11, 1927. 25 Claims. (Cl. 130—5.)



1. In corn husking mechanism, cooperating husking rolls, having eccentric surfaces provided with interfitting ribs with greater rib clearance at certain points and less rib clearance at other points of the roll peripheries.

1,627,839. STEERING GEAR. HARRY M. DENYES and WALTER A. KULL, Saginaw, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 11, 1925. Serial No. 55,751. 3 Claims. (Cl. 74—79.)



1. A steering shaft, gear teeth thereon, a member having teeth engaging the teeth of the steering shaft and a stud directed away from said teeth, said member being reciprocated by the rotation of the steering shaft, a rock shaft mounted at an angle to said steering shaft, said rock shaft having thereon a sleeve at an angle to its axis, an eye bolt having its stem slidable in the said sleeve and its eye mounted on said stud and means to adjust the engagement of the driving and driven teeth.

1,627,840. VACUUM VALVE. EDWARD F. DONNELLY, Malden, Mass. Filed Aug. 31, 1925. Serial No. 53,461. 1 Claim. (Cl. 251—127.)



A vacuum valve comprising, in combination, a casing provided with a fluid inlet passage communicating with the interior thereof, a sleeve detachably mounted in said casing and provided with a recess therein, said sleeve also being provided with an air inlet port communicating with said recess and having a valve seat formed thereon at the intersection of said recess and port, a movable valve member loosely mounted and guided within said recess and provided with a tapered portion adapted to rest upon said seat and close the said air port, a thumb screw having screw-threaded engagement with said casing and adapted to limit the movement of said movable valve member, the latter having a shoulder portion slidable in said screw and guided thereby, a check nut for said screw, and a screen within said casing and interposed between said fluid inlet passage and said movable valve member.

1,627,841. CONTINUOUS KILN AND DRIER. CONRAD DRESSLER, New York, N. Y., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 21, 1920. Serial No. 360,505. 7 Claims. (Cl. 34—46.)

1. Brick drying and heating apparatus comprising in combination, a fire heated tunnel kiln in which the brick are burned, and a drying chamber in which the brick are dried, means for utilizing products of combustion from the tunnel kiln in heating the drying chamber, means for cooling the brick and brick transporting means in the tunnel kiln by the use of air thereby heated and means for injecting the air thus heated into the drying chamber at intervals along the major portion of



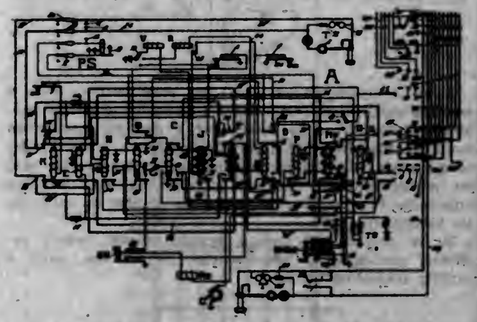
the length of the latter to supply heat thereto and to serve as a vehicle for carrying moisture away from the brick and out of the chamber.

1,627,842. DEVICE FOR UNSCREWING AND WITHDRAWING PIPE. CHARLES R. EDWARDS, Houston, Tex. Filed Nov. 18, 1921. Serial No. 516,173. 30 Claims. (Cl. 255—35.)



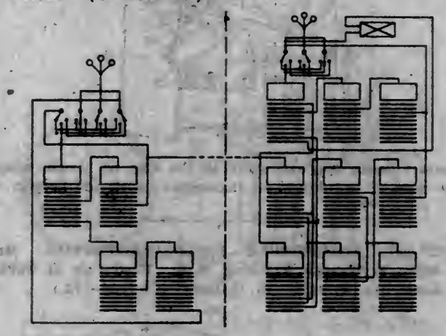
21. In an unscrewing device of the character described a driven member having a driving gear formed with gear teeth therein, a grapple adapted to be rotated in either direction through said teeth and means through which the device may be locked together to rotate as a unit.

1,627,843. TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Chicago, Ill. Filed Jan. 24, 1921, Serial No. 439,459. Renewed Oct. 27, 1926. 104 Claims. (Cl. 179—27.)



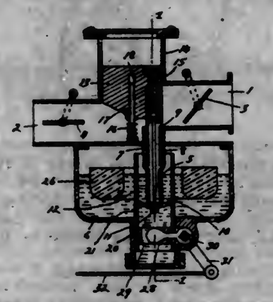
1. In a telephone system a calling telephone leading over a calling line to a selector, a called line, a cooperative successive switch, means on the calling line to direct the operation of the selector to effect its connection with the successive switch, and for directing the operation of the successive switch into selective relation with the called line and for applying a signaling current thereon, and means whereby the telephone on the calling line may be restored to normal idle position before a response is obtained on the called line without restoring the selector and its successive switch.

1,627,844. AUTOMATIC TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Chicago, Ill. Filed Feb. 17, 1921, Serial No. 445,761. Renewed Nov. 8, 1926. 115 Claims. (Cl. 179—27.)



1. In a telephone system, a calling station, means under the control of said calling station for extending a talking connection to a called station, means for then extending the connection to include a second called station, and means whereby either called station can thereafter disconnect the other from said connection with the calling station.

1,627,845. CARBURETOR. WILLIAM GRIESCHEIT, Detroit, Mich. Filed Nov. 27, 1922. Serial No. 603,637. 1 Claim. (Cl. 261—51.)

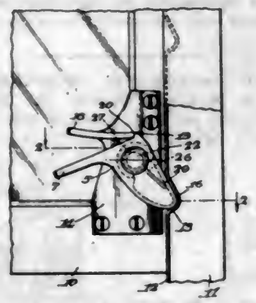


In a carburetor, a mixing chamber, a constant level chamber, a tube fixed in the wall of said mixing chamber and extending into said constant level chamber, an adjustable cup in said constant level chamber surrounding said tube, said tube being open to the atmosphere and having a valve seat in its bottom, and a needle valve responsive to the depression in said mixing chamber extending through said tube to cooperate with said valve seat, so that adjustment of said cup simultaneously varies the free opening of the fuel passage and the air passage between the end of said tube and the bottom of said cup.

1,627,846. SASH LATCH. WILLIAM S. HAMM, Hubbard Woods, Ill., assignor to The Adlake Company, a Corporation of Illinois. Filed May 6, 1926. Serial No. 107,067. 3 Claims. (Cl. 292—228.)

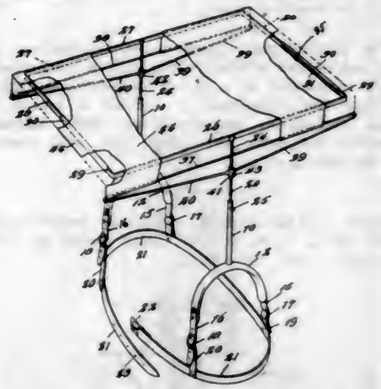
1. A sash latch comprising a sash plate having an approximately horizontal finger rib, and a keeper-engag-

ing dog pivoted to the plate and having a shoulder for engaging the rib when the dog is advanced, the point of



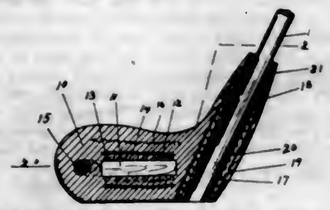
contact being approximately in the line of thrust when the nose of the dog is in engagement with the keeper.

1,627,847. ADJUSTABLE HEAD PROTECTOR. MINERVA E. HAROLD, Flushing, N. Y. Filed July 31, 1925. Serial No. 47,342. 10 Claims. (Cl. 135—12.)



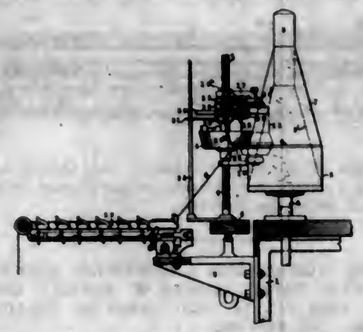
1. In a device of the character described, the combination of a laterally adjustable canopy carrying framework, standards to support said framework, means vertically adjustable on said standards, adapted to hold a canopy covering on said framework and means to detachably attach said supporting means to the body of the wearer.

1,627,848. GOLF CLUB. EDWARD L. HUBBARD, Oakland, Calif. Filed Apr. 6, 1925. Serial No. 20,937. 7 Claims. (Cl. 273—77.)



1. A molded phenol composition golf-club having a filler block of wood with a winding cord or cloth around the wood, the wood and cord or cloth being coated with a phenol varnish or cement.

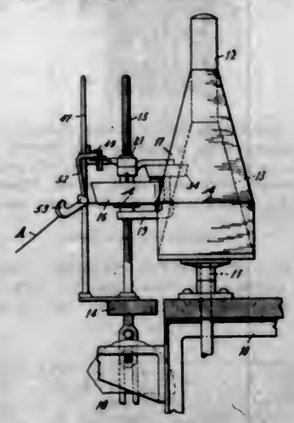
1,627,849. WINDING AND DYEING APPARATUS. ROBERT GOULD JENNINGS, Elmira, N. Y. Filed Sept. 13, 1922. Serial No. 588,097. 46 Claims. (Cl. 8—19.)



2. In a dyeing apparatus, in combination, means for imparting traveling movement to yarn or the like, and means traveling approximately at the same speed as said yarn irrespectively of the rate of travel thereof for random application of dye thereto.

39. A process of treating textiles which includes winding a thread of textile upon a winding surface while moving the thread thereacross for distribution of the textile upon the surface and applying dye over the winding surface synchronously with the movement of said thread across said surface.

1,627,850. JET DYEING APPARATUS AND PROCESS. ROBERT GOULD JENNINGS, Elmira, N. Y. Filed Apr. 18, 1923. Serial No. 631,776. 46 Claims. (Cl. 8—19.)



4. In a dyeing apparatus, the combination with a winding mechanism including a support on which a running textile thread is wound, of a dye jet mechanism mounted adjacent said support adapted to project a jet of dye upon said running textile thread, a valve for said jet mechanism and means controlled by said winding apparatus to operate said valve for rendering said dye jet intermittent.

39. A process for dyeing textile threads which includes, projecting a concentrated jet of dye upon a rapidly travelling thread.

1,627,851. CONTAINER. PHILIP J. KROLL, Joplin, Mo. Filed Nov. 4, 1924. Serial No. 747,861. 3 Claims. (Cl. 221—1.)

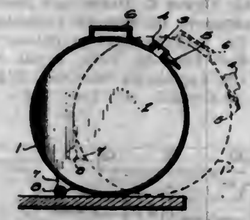
2. A liquid container comprising a cylindrical body portion having its axis arranged horizontally, said container being capable of being rolled on its curved wall, a

weight arranged in the bottom of said container, said container being provided with an outlet opening at a point substantially diametrically opposite said weight,



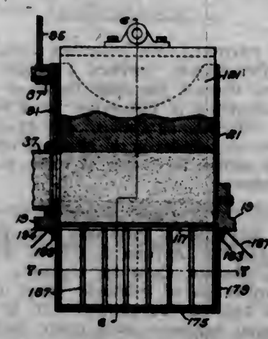
and a handle arranged on the curved wall of said container adjacent the weighted portion thereof and adapted to engage the surface on which said container is resting to prevent movement in one direction.

1,627,852. CONTAINER. PHILIP J. KROLL, Joplin, Mo. Original application filed Nov. 4, 1924, Serial No. 747,861. Divided and this application filed Dec. 10, 1925. Serial No. 74,601. 2 Claims. (Cl. 221—1.)



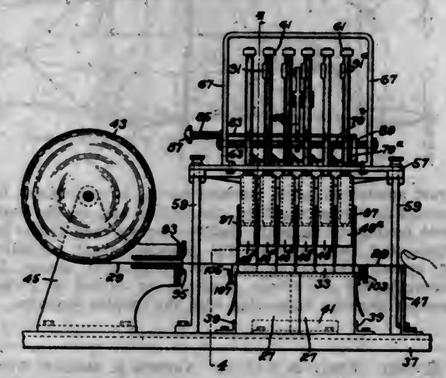
1. A liquid container comprising a cylindrical body portion having its axis arranged horizontally, said container being capable of being rolled on its curved wall, and a weighted handle arranged transversely on said curved wall near the bottom thereof, and adapted to engage the surface on which said container is resting to normally prevent movement of said container in one direction, said container being provided with an outlet opening substantially diametrically opposite said weighted handle.

1,627,853. METHOD OF AND APPARATUS FOR CHARGING CONTAINERS WITH ICE CREAM OR OTHER MATERIAL. FREDERICK X. KUHN, Waltham, Mass. Filed July 27, 1923. Serial No. 654,147. 25 Claims. (Cl. 93—3.)



24. In a device for filling a container with individual portions of ice cream or similar material, a holder for an unpartitioned carton, and means associated with said holder adapted to present in said carton sheets of separating material arranged at intervals therein to constitute separating partitions or walls and sub-dividing the carton into separated compartments.

1,627,854. ICE-CREAM PACKAGE AND METHOD OF AND APPARATUS FOR MAKING THE SAME. FREDERICK X. KUHN, Waltham, Mass. Filed Jan. 25, 1927. Serial No. 163,382. 20 Claims. (Cl. 93—3.)



8. The method of preparing a container to receive individual separated charges of ice cream or similar material which consists in installing in said container a strip of separating material and holding the same to form separate pockets or compartments.

1,627,855. COMBINED MUFFLER AND HEATER. WALTER A. KYSOR, Allegan, Mich. Original application filed May 24, 1924, Serial No. 715,307. Divided and this application filed Jan. 24, 1925. Serial No. 4,543. 2 Claims. (Cl. 257—16.)

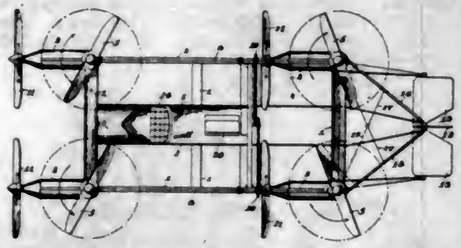


1. In a device of the class described, the combination of concentrically disposed inner and outer tubular walls providing a central elongated gas chamber and a surrounding air chamber, said air chamber having air inlet and discharge openings at the ends thereof, said gas chamber having an annular gas discharge opening at its rear end, and a rearwardly tapered discharge pipe for heated gases disposed centrally within said gas chamber and extending approximately from end to end thereof, the diameter of said pipe at its larger end being such that it lies close to the said inner wall, said pipe having a plurality of side discharge orifices disposed around it so that the heated gases are discharged therefrom in laterally directed jets and thence flow longitudinally through said gas chamber around said pipe to said gas discharge opening at the rear end thereof.

1,627,856. AIRCRAFT DESIGN. JAMES L. MACVICAR, Newport News, Va. Filed June 24, 1925. Serial No. 39,328. 2 Claims. (Cl. 244—19.)

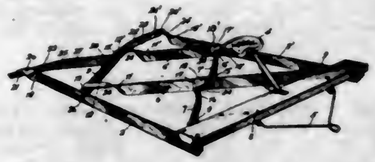
1. In an aircraft, a central power plant, driving and lifting propellers, arranged for intensifying the lifting air stream lines delivered by the lifting propellers, and whereby the entering edge of the driving propeller is provided with a new body of air consisting of the forward driving movement, the air to attack being thrust back and at the same time the lifting propeller being rotated

upwards thereby thrusting the air stream downward and resulting in the downward thrust air stream being banked on top of the air stream from the driving propellers, resulting in greatly intensifying the lifting power of the lifting propellers, suitable propeller shafts, and frame for carrying the power plant propeller and various air-



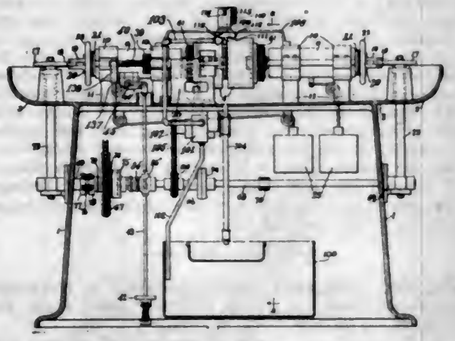
craft appliances, plate brackets having large surfaces for increasing the strength of the frame, and at the same time tending to maintain stability for steerage means for supporting and enclosing the propeller shaft consisting of cylindrical tubular members, additional means for strengthening the frame consisting of curved or arched member portions connecting with the tubular supports.

1,627,857. ROAD SCRAPER. ARTHUR R. MISKIN, Ucon, Idaho. Filed June 26, 1925. Serial No. 39,773. 7 Claims. (Cl. 37—143.)



1. A road scraper, comprising diagonal blades arranged in oppositely inclined sets which cross each other, the blades being rigidly secured to each other at their intersections and at their ends secured to side frame pieces of the scraper.

1,627,858. GRINDING MACHINE. JOHN F. MORGAL, Springfield, Ohio, assignor, by mesne assignments, to Bernard E. Crabbs. Filed Mar. 7, 1921. Serial No. 450,281. 23 Claims. (Cl. 51—118.)

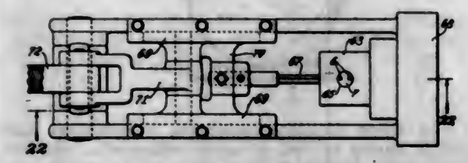


1. In a grinding machine, two grinding members mounted for rotation about a common axis and having opposed grinding faces, means for rotating said grinding members, means for moving one of said grinding members axially toward and from the other grinding member, a work support mounted for rotation about an axis substantially parallel with the axis of said grinding members and having means for supporting an article to be ground for rotation about the axis thereof, a portion of said article extending between said grinding members so that the lateral faces of said article will be simultaneously acted upon by the respective grinding members, said supporting means being of such a character that said article will be automatically positioned thereon by its contact with said grinding members, and means for rotating said work support during the grinding operation to cause the entire circumferential portion of said article to pass between said grinding members.

1,627,859. PROPELLANT POWDER. JOHN M. OLIN and ARTHUR S. O'NEIL, Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Apr. 4, 1924. Serial No. 704,125. 14 Claims. (Cl. 52—11.)

1. A propellant powder mixture of slow-burning powder grains and quick-burning powder grains of substantially the same densities.

1,627,860. METHOD OF AND APPARATUS FOR FORMING DETONATOR IGNITER TERMINALS. JOHN M. OLIN, VICTOR L. DAVIS, and JOHN B. SMITH, Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Original application filed Dec. 30, 1922, Serial No. 609,954. Divided and this application filed Nov. 5, 1925. Serial No. 67,186. 16 Claims. (Cl. 140—71.)



1. In the art of making detonators, the process comprising, forming the ends of a pair of igniter connections a predetermined distance from the plug thereon in a single operation in order to provide a filament seat.

1,627,861. PROPELLANT POWDER AND PROCESS FOR MAKING SAME. ARTHUR S. O'NEIL, East Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Feb. 10, 1923. Serial No. 618,388. 39 Claims. (Cl. 52—11.)

1. A propellant powder grain comprising, a dense core surrounded by a porous envelope.

1,627,862. PROPELLANT POWDER AND PROCESS OF MAKING SAME. ARTHUR S. O'NEIL, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Sept. 4, 1923. Serial No. 660,939. 29 Claims. (Cl. 52—11.)

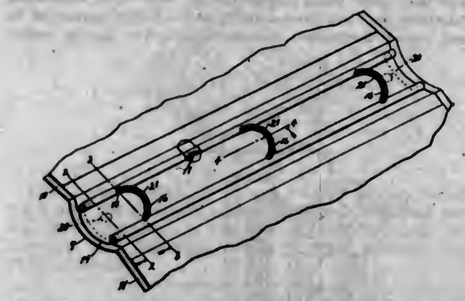
1. A propellant powder grain of dense colloided nitrocellulose the surface layer only of which is impregnated with an oxidizer.

1,627,863. EXPLOSIVE POWDER AND PROCESS OF MAKING SAME. ARTHUR S. O'NEIL, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Dec. 1, 1924. Serial No. 753,844. 25 Claims. (Cl. 52—20.)

1. A globular explosive grain freely formed in space from a completely molten material.

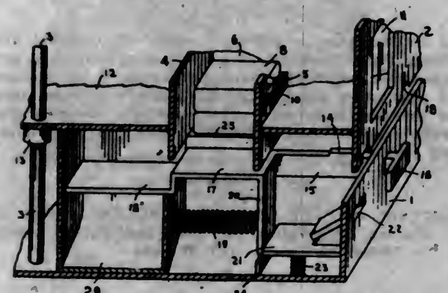
10. The process consisting in causing a completely molten explosive to become solidified in space while under surface tension.

1,627,864. LOOSE-LEAF BINDER. ERNEST L. PEARSONS, Chicago, Ill., assignor to David J. Molloy Company, a Corporation of Illinois. Filed Mar. 26, 1925. Serial No. 18,340. 4 Claims. (Cl. 129—28.)



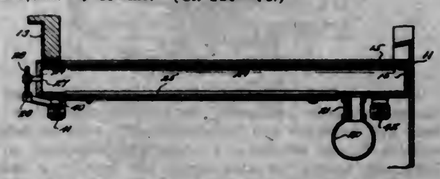
1. In a loose leaf binder, a plate having its longitudinal edges return-bent and provided with notches, a resilient flexible paper-retaining member, and means on each end of said retaining member for detachably engaging said notches for holding said last named member in paper-holding position on said plate, said retaining member assuming the form of a straight element when released.

1,627,865. ESKIMO-PIE-VENDING MACHINE. ALBERT PROBST, Los Angeles, Calif. Filed Jan. 2, 1926. Serial No. 78,867. 3 Claims. (Cl. 211—8.)



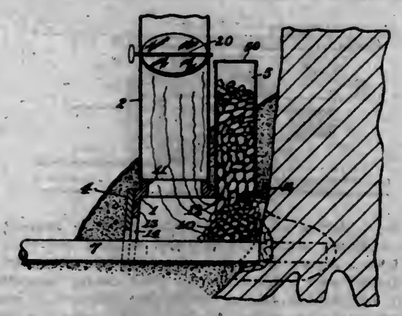
1. A vending machine having in combination a prismatic casing, a heat insulating chamber within said casing, two concentric cylinders within said insulating chamber, a plurality of magazines for holding articles to be vended between said concentric cylinders, a central compartment within the inner of said cylinders, a central shaft upon which said prismatic casing may rotate, and an ejector means beneath said magazines.

1,627,866. GRATE. CLARENCE CLEVELAND RANSDELL, Monroe City, Mo., assignor of one-half to W. L. Harrison, Shelbina, Mo., and one-fourth to J. C. Delonay, Monroe City, Mo. Filed Apr. 14, 1926. Serial No. 102,023. 6 Claims. (Cl. 110—74.)



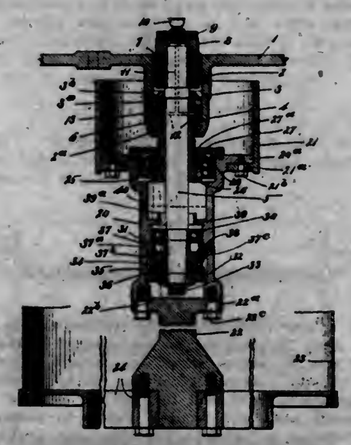
1. In a grate, a plurality of hollow cylindrical grate elements having portions cut away longitudinally, cylinders mounted within said hollow elements, the cylinders last named also being cut away longitudinally, and means for partly rotating the cylinders last named.

1,627,867. STUMP BURNER. HENRY L. REYNOLDS, Seattle, Wash. Filed Aug. 22, 1922. Serial No. 583,485. 1 Claim. (Cl. 110—21.)



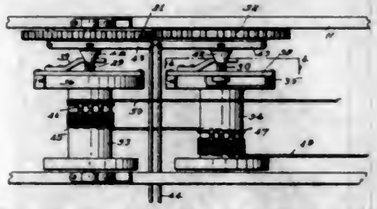
A stump burner comprising a furnace casing having one end open to be placed against the face of the stump to be burned and an opening at the opposite end for the accommodation with the first named opening of an air blast pipe, an air blast pipe adapted to pass through both said openings and movable lengthwise to maintain its discharge face close to the burning face of the stump, said furnace casing having an opening in its top for a stack connection and a separate fuel feed opening between the stack connection and the end of the casing which is placed against the stump, a draft stack and a feeding hopper for solid fuel adapted to be connected with their respective openings in the casing to thereby insure an effective ignition of the body of the stump.

1,627,868. CENTRIFUGAL MACHINE. EUGENE ROBERTS, Salt Lake City, Utah, assignor to The Western States Machine Company, Salt Lake City, Utah, a Corporation of Utah. Filed Dec. 24, 1921. Serial No. 524,664. 10 Claims. (Cl. 308—148.)



9. In a gyratory suspended centrifugal machine, the combination of a hanger, a nonrotating gyratory suspension spindle supported therein to swing upon a spherical ball joint arranged to positively prevent axial movement of said suspension spindle in either direction, a rotary basket shaft suspended to rotate on and swing with said suspension spindle, the suspension spindle being provided with a lubricating passage for conveying lubricant to the spherical surfaces of said joint, substantially as described.

1,627,869. MECHANISM FOR OPERATING AND CONTROLLING EXCAVATOR DIPPERS. GEORGE T. RONK, Fairfield, Iowa. Filed July 27, 1925. Serial No. 46,390. 2 Claims. (Cl. 214—135.)



1. In a device of the class described, a support, a boom, a dipper stick pivotally and slidably mounted on said boom, means for imparting sliding movement to said dipper stick relative to its pivot center comprising a pair of parallel shafts, means for imparting rotary movement to said shafts in opposite directions, a drum for each of said shafts loosely mounted thereon, a cable, one end of which connects one end of said dipper stick, the other end of said cable being wound on one of said drums, a second cable for said drum wound in the opposite direction, said second cable being wound on said second drum in an opposite direction from the first drum, a third cable wound on said second drum in the opposite direction from the winding of the first cable on the first drum, said third cable having its other end connected to the opposite end of the dipper stick from which the first cable is connected means for throwing either of said drums into or out of operative relation with its respective shaft.

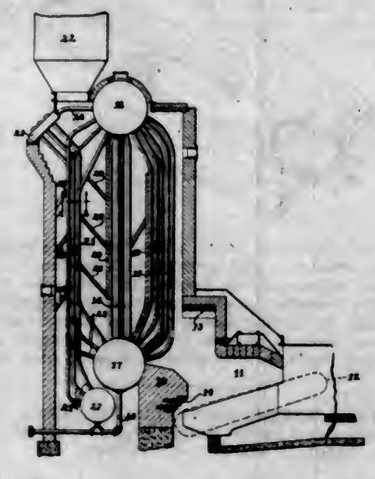
1,627,870. DISPENSING DEVICE. WILLIAM A. SEIDEMANN, Milwaukee, Wis., assignor to Blue Point Tool Company, Racine, Wis., a Corporation of Illinois. Filed Mar. 11, 1925. Serial No. 14,793. 4 Claims. (Cl. 211—8.)



1. In a dispensing device, the combination of a sheet metal plate having struck up tongues arranged in spaced relation and a struck up support adjacent the lower of said tongues, a tubular container having its ends engageable with said tongues and clamped thereby against the plate and secured thereto by endwise sliding movement in opposite directions, the lower end of the container being so positioned relative to said support as to allow only one of the articles, to be dispensed from the container, to be in a position for removal.

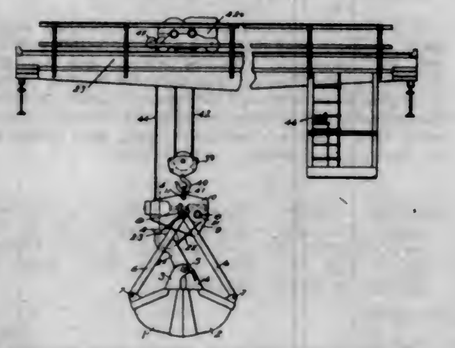
1,627,871. WATER TUBE BOILER. LOYD R. STOWE, St. Louis, Mo. Filed Aug. 30, 1920. Serial No. 407,046. 7 Claims. (Cl. 122—336.)

1. The combination with a furnace and a tortuous flue therefor of a water tube boiler comprising upper and lower chambers and two banks of generating tubes located in the first and second passes of said flue and connecting said chambers, additional upper and lower chambers and a third bank of tubes disposed substantially vertically in the last pass, alternate tubes in said last pass being connected to said first mentioned chambers and the intermediate tubes being connected to said second mentioned chambers, said flue having baffles



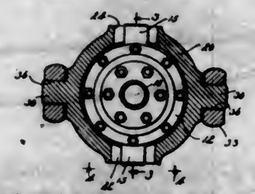
in its last pass arranged to reduce the sectional area substantially below the sectional area of the initial pass whereby a relatively greater proportion of the products of combustion are brought into contact with the tubes of the last pass, said upper chambers communicating with each other and said lower chambers communicating with each other.

1,627,872. POWER-ACTUATED BUCKET. GUY H. STRAYER, Belle Valley, Pa. Filed Dec. 2, 1925. Serial No. 72,682. 3 Claims. (Cl. 37—184.)



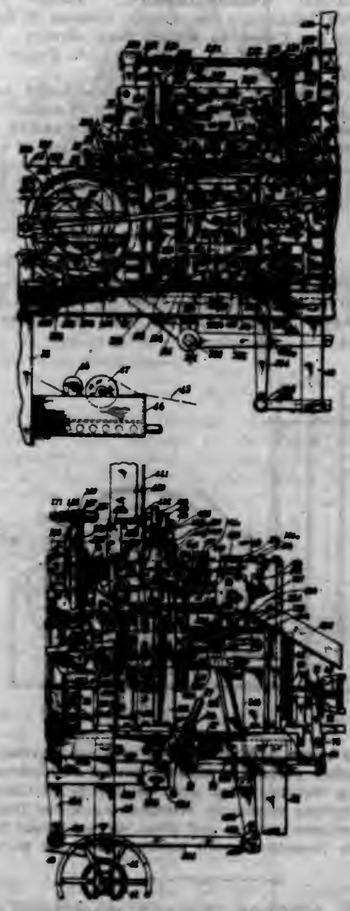
1. In a power actuated bucket, the combination of bucket members; a head; rigid links connecting the head and members and maintaining the head in definite relation to the members; a worm gear mounted in the head and having its axis across the bucket; a sheave locked with the gear; a cable extending from the sheave and actuating said members; a worm actuating the gear and extending lengthwise of the bucket; and a motor mounted on the head in axial alinement with the worm and actuating the worm.

1,627,873. SWIVEL. ROY TAYLOR, Los Angeles, Calif., assignor of one-half to David A. Cant, Los Angeles, Calif. Filed Sept. 2, 1924. Serial No. 735,394. 5 Claims. (Cl. 255—25.)



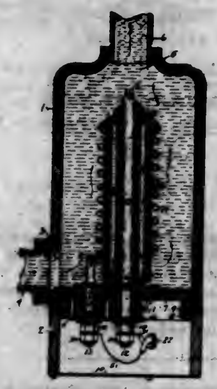
1. A swivel device for rotary drilling outfits, including a body for rotatably supporting a drill stem and having offset trunnions, a ring surrounding the body and receiving said trunnions, and a bail for pivotally suspending the ring.

1,627,874. BOX-MAKING MACHINE AND THE METHOD OF MAKING BOXES. LOUIS TRIOLO, Brooklyn, N. Y. Filed Apr. 4, 1925. Serial No. 20,702. 34 Claims. (Cl. 93—36.)



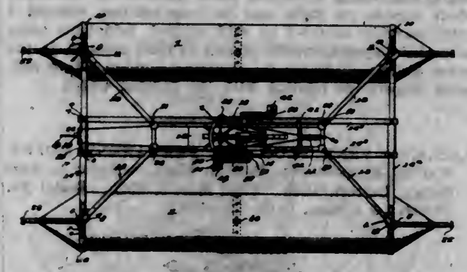
1. In a tensioning device for a paper strip the combination of a pivoted supporting plate, a presser arm pivoted over the plate with its free end adapted to bear on the strip of material supported on the plate.

1,627,875. ELECTRIC WATER HEATER. JESSE J. UNDERWOOD, Tacoma, Wash., assignor of one-half to Joseph B. Antonette, Tacoma, Wash. Filed Aug. 20, 1925. Serial No. 51,358. 1 Claim. (Cl. 219—39.)



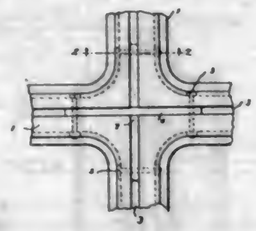
An electric water heater comprising a fixed water chamber provided with connections to the hot water system, whereby it is supported; a removable base closing the lower end of said water chamber and supported thereby, said base having a pair of passages therethrough; a pair of terminals passing through said passages, one such terminal being longer than the other, and each provided with a collar within said chamber and with a screw-nut on its outer end; a water-tight insulating packing in each said passage and surrounding the respective terminal, said packing being compressed within said passage by the screw-nut and the collar whereby leakage of water around the terminal is prevented; an inner insulating tube loosely surrounding the longer of said terminals whereby a free passage for water is provided between the terminal and its insulator; an outer insulating tube loosely surrounding said inner insulating tube, whereby a free passage for water is provided between said inner and outer insulating tubes; a submerged electric heating wire mounted on said outer insulating tube; and connections between the ends of said heating wire and said terminals respectively, whereby electric energy may be conducted to said heating wire.

1,627,876. OVER-WATER CRAFT. JAMES B. WILLIAMS, Tampa, Fla. Filed Aug. 24, 1922. Serial No. 584,008. 7 Claims. (Cl. 115—26.)



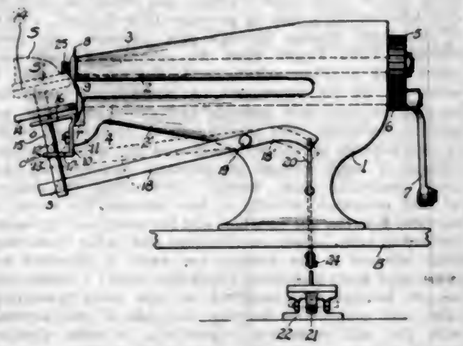
1. A water craft comprising two floats detachably connected in substantially parallel relation by front and rear transverse members, longitudinal members detachably connected to and supported by said transverse members, a paddle-wheel detachably mounted on said longitudinal members, upwardly-extending braces having lower terminals bearing on and holding said transverse members in association with said floats, an upper frame supported by said braces, and a seat on said upper frame.

1,627,877. RAILWAY CROSSING. NORBERT ZINK, Pueblo, Colo. Filed Apr. 19, 1926. Serial No. 103,104. 2 Claims. (Cl. 246—457.)



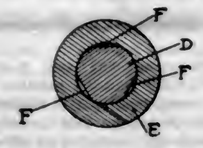
1. A bridge member for a railway crossing, comprising a middle and side portions, the top side of the middle portion projecting above the top side of the outer portions intermediate the ends the member and the outer portions extending below the surface of the side portions at the outer ends thereof.

1,627,878. SOLE-FUDGING ATTACHMENT FOR SOLE-CUTTING MACHINES. JOSEPH ZDVORACEK, St. Louis, Mo. Filed June 5, 1926. Serial No. 113,959. 3 Claims. (Cl. 12—32.)



2. A fudging attachment for a cutting machine having a suitable supporting standard provided with a pair of vertically spaced bearings, a shaft disposed in each of said bearings, means for rotating said shafts, and a rotary knife mounted on the outer extremity of each shaft, comprising a fudging wheel mounted on the upper shaft outside the knife and in close relation thereto, a table movably mounted on said support, said table being normally disposed outside of and in close relation to the lower knife, and means for elevating said table into intimate cooperative relation with the fudging wheel.

1,627,879. VENT PLUG FOR PERMANENT MOLDS. WALTER S. ANDERSON, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Mar. 9, 1925. Serial No. 13,994. 4 Claims. (Cl. 22—183.)



1. In a metal mold having a cavity therein, a vent plug adapted to close said cavity and provided with a flat surface, an air passage between the wall of said cavity and said plug opposite said flat surface not over .015".

1,627,880. AUTOMATIC HANDLE. WILLIAM EDWARDES BAXTER, Louisville, Ky. Filed July 6, 1925. Serial No. 41,815. 3 Claims. (Cl. 294—33.)

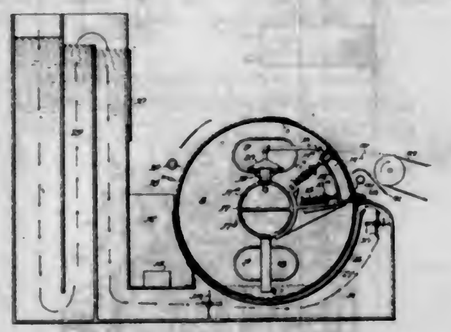


1. A lifter of the class described, comprising a strip of resilient material bent intermediate its ends to form handle members, said handle members being bent towards each other at their outer extremities to form gripping portions of unequal lengths whereby when the handle members are pressed towards each other the gripping portions are moved into interlocked relation, the longer of said portions overlapping the shorter.

1,627,881. PROCESS FOR THE REDUCTION OF HALOGENATED HYDROCARBONS. ALFRED FELIX SEBASTIEN BELLONE, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Jan. 28, 1924, Serial No. 689,169, and in France Nov. 21, 1923. 5 Claims. (Cl. 260—165.)

1. The process of reduction of halogenated hydrocarbons and poly-halogenated derivatives of organic compounds consisting in treating said hydrocarbons with ferrous hydroxide in the presence of water and of a substance having a basic reaction, thereby substituting progressively hydrogen for the halogen atoms in said halogenated hydrocarbons and poly-halogenated derivatives.

1,627,882. PAPER-MAKING MACHINE. EARL E. BERRY, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a Corporation of Wisconsin. Filed Apr. 7, 1923. Serial No. 630,484. Renewed Apr. 27, 1925. 33 Claims. Cl. 92—43.)

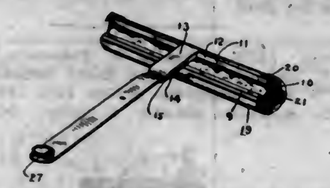


1. In a paper making machine, the combination of a hollow rotary perforated member having an unobstructed interior, a vat in which said member is partially immersed, suction means for withdrawing water from the interior of said member and other suction means for reducing air pressure in said member above the water.

1,627,883. HUMIDOR. ROBERT S. BLAIR, Sound Beach, Conn. Filed May 9, 1919. Serial No. 295,875. 11 Claims. (Cl. 23—252.)

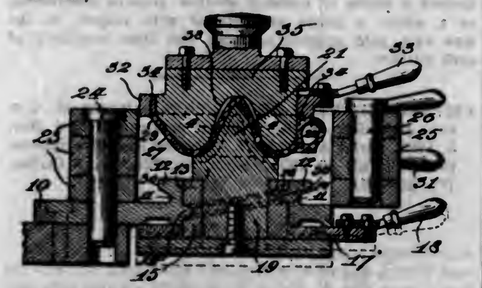
1. In apparatus of the general nature of that herein described, in combination, a container, and a member

adapted to change color on changes in its dampness, mounted in such container and having one surface thereof



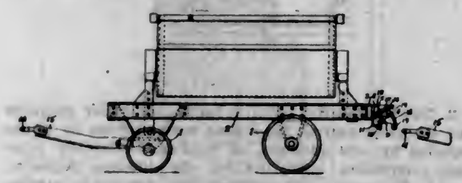
exposed to the interior of said container, said container being formed to expose said member to view from the outside of said container.

1,627,884. METHOD OF MOLDING FRUIT-JUICE EXTRACTORS. WILLIAM M. BRISTOL, Highland, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a Corporation of California. Filed Dec. 16, 1924. Serial No. 756,216. 2 Claims. (Cl. 49—85.)



1. The method of molding a glass fruit-juice extractor, having an upwardly projecting cone in a mold having an upwardly projecting substantially conical core, which consists in placing a ball of glass on top of the core, confining the ball of glass and compressing the same down into the mold from above.

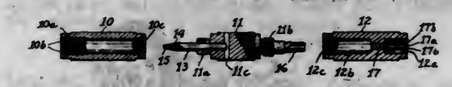
1,627,885. COUPLING DEVICE. SHERWOOD M. CHASE, Columbus, Ohio, assignor to The Chase Foundry & Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 3, 1926. Serial No. 146,050. 10 Claims. (Cl. 280—33.15.)



1. In a coupler, a frame having a hook supporting portion and a stationary eye guiding portion, a hook mounted therein, yielding means to maintain said hook in engagement with said guiding portion, whereby the eye may be pressed against the exterior of said hook passing over the end thereof along the guiding portion to a point behind the hook into locking position.

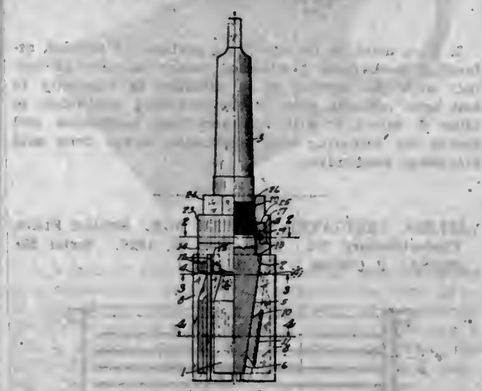
1,627,886. VALVE TOOL. EDWARD C. COOLEY, Elgin, Ill. Filed May 13, 1925. Serial No. 29,865. 12 Claims. (Cl. 7—1.)

7. In a valve tool of the class providing tool members, the combination of a tap for cleaning the internal threads of a valve stem, a die for cleaning the external threads of a valve stem and a wrench for removing a valve core from a valve stem, a straight cylindrical handle consisting of a plurality of parts having end threaded en-



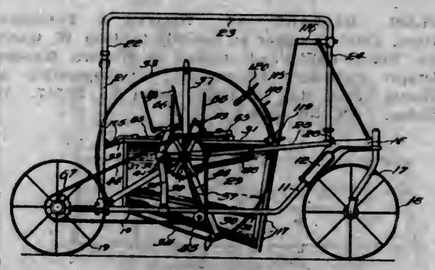
gagement, said parts carrying said tool members on their ends, said tool members being wholly contained within the cylindrical boundary of said handle for the closed condition of said tool.

1,627,887. REAMING OR BORING TOOL. ROBERT R. DAVIS, St. Louis, Mo., assignor, by mesne assignments, to St. Louis Reaming Tool Co., St. Louis, Mo., a Corporation of Missouri. Filed Oct. 29, 1923. Serial No. 671,472. 8 Claims. (Cl. 77—75.5.)



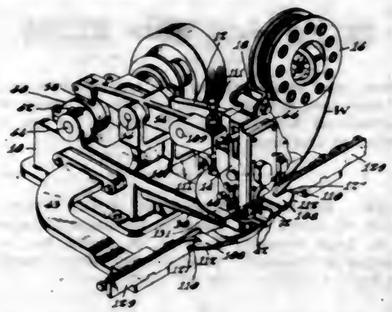
3. A boring-tool or reamer comprising a bar having a radial slot opening upon its peripheral face, in combination with a cutter disposed for adjustable movement in the slot, the cutter having a pocket, and means including a member disposed in said pocket and having engagement with the bar for retaining the cutter against radial displacement within the slot both during adjustments and working operations thereof.

1,627,888. GRAIN SHOCKER. HARRY S. DICKINSON, Moline, Ill., assignor, by mesne assignments, to Berry Shocker Incorporated, Wilmington, Del., a Corporation of Delaware. Filed Mar. 17, 1922. Serial No. 544,514. 35 Claims. (Cl. 56—419.)



1. In a grain shocker, the combination of a tiltable pan, trip mechanism adapted when tripped to permit of the tilting of the pan, packer mechanism adapted to act upon the material accumulated in the pan and means associated with the packer mechanism, and adapted at a predetermined point in such accumulation to actuate the trip mechanism, substantially as described.

1,627,889. ATTACHING MACHINE. WILLIAM E. ELLIOTT, Lynn, Mass. Filed Apr. 5, 1922. Serial No. 549,889. 34 Claims. (Cl. 1—5.)



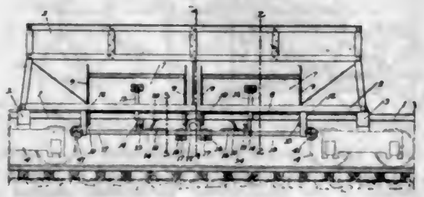
1. In a machine for attaching portions of articles, attaching mechanism, positioning means movable in contact with the portion to be attached in proximity to and upon opposite sides of the attaching mechanism to aline it laterally with the attaching mechanism and means for actuating said positioning means from said attaching mechanism.

1,627,890. IRRIGATED FLOWER BOX. STUART ELLIS, Fredericksburg, Va. Filed Feb. 19, 1926. Serial No. 89,384. 2 Claims. (Cl. 47—38.)



1. In a self-irrigating box, a plate L-shaped in vertical cross section seating on and extending over substantially the entire bottom of the box and having its upstanding end seating against one end of the box, a channel for the passage of water between the upstanding end of the L-shaped plate and the adjacent end of the box, the central bottom portion of the plate having a corrugation extending longitudinally thereof in communication with the first mentioned channel, and having spaced transverse corrugations for laterally distributing the water over the entire bottom portion of the box and the edges thereof.

1,627,891. BALLAST CAR. WILLIAM A. FLANAGAN, Ripon, Calif., assignor of one-half to John W. Garrison, Ripon, Calif., and one-half to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 29,517. 13 Claims. (Cl. 105—251.)



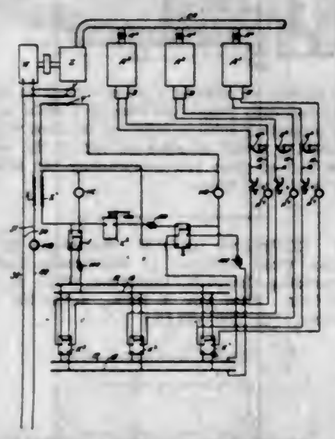
1. A ballast car including a body, downwardly opening gates hinged along the bottom of the body, a power operated mechanism common to all the gates for operating the same, and individual hand controlled means for each gate in addition to the power mechanism, for operating the gates.

1,627,892. LENS. CHARLES W. FREDERICK, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 5, 1922. Serial No. 565,956. 3 Claims. (Cl. 88—57.)



1. A photographic lens with axially symmetrical surfaces and with a finite focal length having on a surface thereof a series of polished shallow grooves comprising, as a whole, a group symmetrical with respect to the lens axis, said grooves covering less than one-third of such surface.

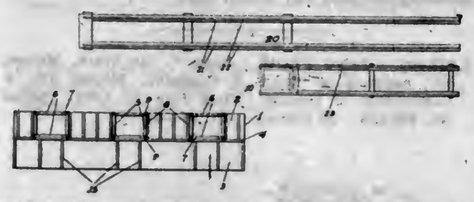
1,627,893. FURNACE REGULATION. GEORGE H. GIBSON, Montclair, N. J. Original application filed Mar. 5, 1923, Serial No. 622,891. Divided and this application filed July 26, 1924. Serial No. 728,344. 5 Claims. (Cl. 290—7.)



2. The combination with a battery of boiler furnaces and electrical current generating means driven by steam supplied by said furnaces, of separate electrically actuated combustion regulators for the different furnaces, means for passing a predetermined fractional portion of the electric current generated to said regulators, and means for dividing the current passed to the different regulating mechanisms among the latter so that a constant current will be supplied to one or more of said regulators and the remaining regulators will receive the balance of said current portion.

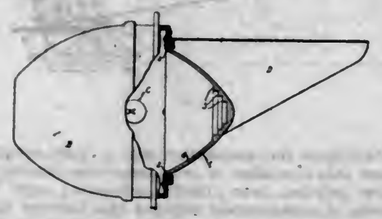
1,627,894. METHOD OF AND APPARATUS FOR MAKING BOX LIDS. HENRY J. GOFF, Stockton, Calif., assignor to Stockton Box Company, Stockton, Calif., a Corporation. Filed Oct. 18, 1926. Serial No. 142,202. 18 Claims. (Cl. 144—7.)

1. A method of making box lids formed of transversely alined boards and end cleats glued across the board, as the lids are made, consisting in assembling a plurality of the component parts of the lids in proper



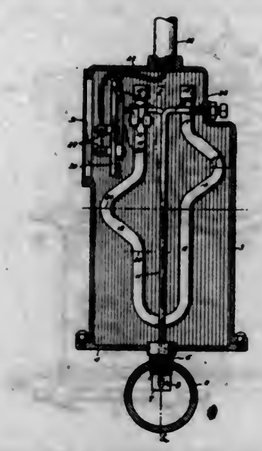
and superimposed order to form a stack, and then applying a clamping pressure to the stack as a unit in the planes of the end cleats.

1,627,895. SIGNAL LANTERN AND LENS THEREFOR. ALEXANDER H. HANDLAN, St. Louis, Mo. Filed Jan. 15, 1925. Serial No. 2,618. 2 Claims. (Cl. 177—329.)



1. A lens for traffic control signal lamps comprising a transparent member in the form of a hollow conoid having beam-forming elements on a face of said conoid near the apex thereof, and a skirt portion designed for diffusing light extending rearwardly from said beam-forming elements to the rim portions of said lens.

1,627,896. NO-FLOW ALARM-CIRCUIT CLOSER. ROY E. HANSON, Los Angeles, Calif. Filed Apr. 29, 1926. Serial No. 105,500. 10 Claims. (Cl. 200—52.)



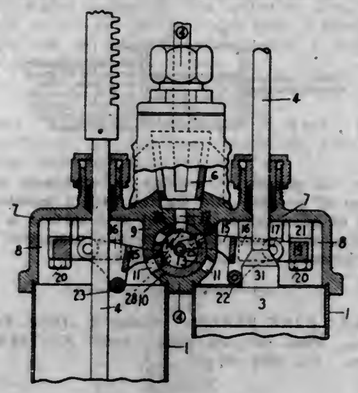
1. A device of the character described comprising; an upright U-tube having closed ends, flexibly positioned for lateral movement in its plane; mercury filling the bend of the tube and portions of its arms; means whereby a flow of fluid may be made to create a difference of pressure in said arms for displacing the mercury to shift its center of gravity and thereby cause lateral movement of the tube; and electric circuit closing means adapted for operation by said lateral movement.

1,627,897. WOVEN-WIRE FABRIC. DOUGLAS G. HARVEY, Dixon, Ill. Filed July 28, 1921. Serial No. 488,093. 2 Claims. (Cl. 33—127.)



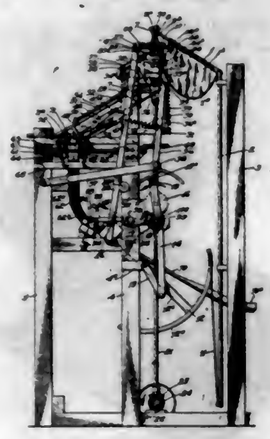
1. A web of wire screen cloth having, measure marks at predetermined distances and adjacent the edge thereof, each of said measure marks consisting of an enlarged opening formed by a separation of adjacent wires and a film of marking medium bridging across and filling the openings between the wires around said enlarged opening.

1,627,898. LIQUID-DISPENSING APPARATUS. WILLIAM T. HATMAKER and EARL E. EICKMEYER, Dayton, Ohio, assignors to The National Recording Pump Company, Dayton, Ohio, a Corporation of Ohio. Filed June 21, 1924. Serial No. 721,485. 20 Claims. (Cl. 103—227.)



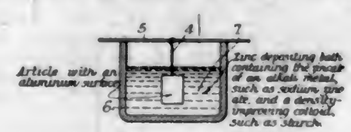
1. In a dispensing apparatus, a cylinder, a piston mounted in said cylinder, means for actuating said piston, a discharge line connected with said cylinder, a cut-off to control said connection, and means supported independently of said cut-off for automatically closing said cut-off when a predetermined quantity of liquid has been discharged from said cylinder.

1,627,899. FISH SEGREGATING, DIRECTING, TIMING, AND TURNING APPARATUS. FRANK HEATH, National City, Calif. Filed June 25, 1925. Serial No. 39,557. 42 Claims. (Cl. 17—3.)



10. In an apparatus of the class described, a shiftable hopper, an intermittently shiftable supporting member positioned at one side of said hopper adapted to receive a few of the members contained in said hopper when the same is shifted, a segregating means for receiving and individually segregating the members discharged from said supporting member, and a pair of angularly positioned, oppositely disposed and oppositely reciprocating brushes positioned contiguous to the discharge end of said segregating means adapted to receive the individually segregated members therein.

1,627,900. PROCESS OF COATING ALUMINUM SURFACES. EDWARD HALLSTED HEWITSON, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 23, 1926. Serial No. 130,828. 9 Claims. (Cl. 91—68.3.)



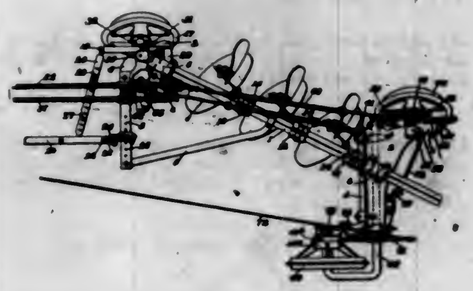
1. In the process of coating an aluminum surface, the step of treating said surface with a solution of a zincate of an alkali metal until said surface is coated with zinc, said solution containing a protective colloid which increases the density of said zinc.

1,627,901. BARK PEELER. HARRY R. HILLS, Emerald, Idaho. Filed Oct. 20, 1924. Serial No. 744,626. 1 Claim. (Cl. 306—45.)



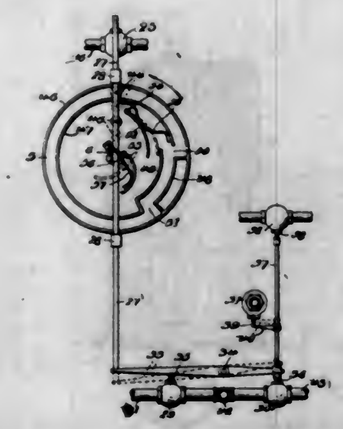
In a bark peeler the combination of a handle bar having a head and oppositely opening, spaced, overlapping slots arranged in parallel planes in said head, a fork having side bars and angular, parallel, oppositely-hooked ends in the overlapping slots, and a retaining ferrule enclosing the head and hooked ends.

1,627,902. GANG PLOW. JOHN V. HOLSTEIN, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 21, 1921. Serial No. 486,455. 26 Claims. (Cl. 97—53.)



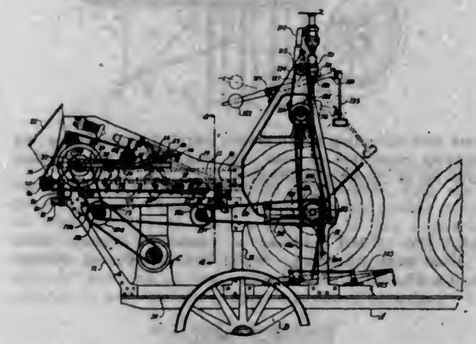
1. In a plow the combination with a frame comprising a front frame member, a rear transverse member, and a plow carrying beam rigidly connecting said frame members, of a transversely disposed axle mounted on said rear frame member and having a crank at the landward end thereof, a bearing on said rear frame member for the furrowward end portion of said axle, means for adjusting the landward end portion of said axle fore and aft, a land wheel mounted on said crank, and means for rocking said axle.

1,627,903. AUTOMATIC CONTROL MECHANISM FOR WATER SOFTENERS. ALBERT C. HOUGLAND, St. Paul, and LYNN G. LINDSAY, Minneapolis, Minn. Filed Sept. 22, 1926. Serial No. 136,943. 8 Claims. (Cl. 137—144.)



1. In an automatic control for a water softener having valve mechanism for controlling the flow of water and regenerating fluid therethrough, the combination with a water driven motor, of means for supplying water to said softener through said motor, means operated by said motor for periodically actuating said valve mechanism, a by-pass for said motor arranged to supply water to said softener and adjustable means disposed in said by-pass to restrict the flow of water therethrough.

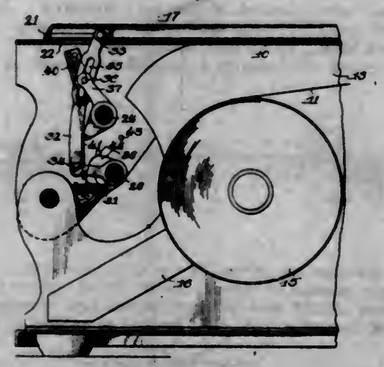
1,627,904. BALING MACHINE. LUCIEN W. HUFFF, Galesburg, Ill. Filed Apr. 16, 1923. Serial No. 632,581. 30 Claims. (Cl. 100—1.)



1. In a baling machine, in combination, a forming box adapted to receive material to be fashioned into continuously running mat form, means for advancing the mat within the forming box and tufting means active to fashion an integrating tie from the material of the mass, consisting of needle members active for the purpose of spaced intervals.

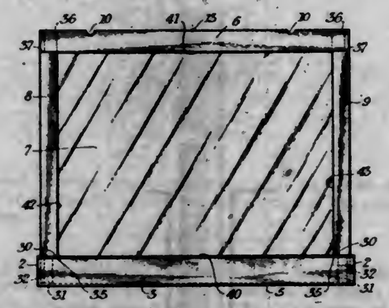
18. The method of forming an integrated mat from grain products, consisting in feeding a grain product mass, under pressure, through a restricted way, and tufting the mat formation during passage through said way, from the constituent material of said mat.

1,627,905. WEB-FEEDING MECHANISM. LOUIS JENSEN, Chicago, Ill., assignor to United Autographic Register Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1924. Serial No. 719,594. 22 Claims. (Cl. 271—2.5.)



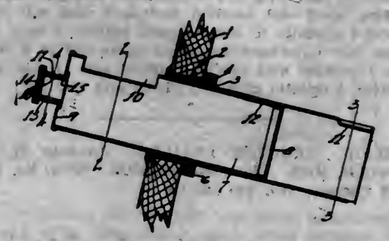
1. A web feed mechanism comprising a rock-shaft, a lever eccentrically fulcrumed on said shaft, and means for causing an oscillatory movement of said lever while engaged with the web to move the latter, said lever being moved into engagement with the web by the rocking of said shaft.

1,627,906. PORTABLE PROJECTION SCREEN. LOYD A. JONES, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 23, 1923. Serial No. 640,992. 4 Claims. (Cl. 88—24.)



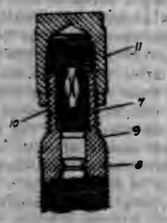
3. In a projection screen, the combination with a base, of side arms supported by the base, a top bar supported by the side arms, a spring roller carried by the base, a screen carried by the roller, the base, top bar and side arms having an area lying in a common plane against which a screen is held flat by the action of the spring.

1,627,907. ASH RECEPTACLE. HANS G. JORGENSEN, Erie, Pa. Filed May 25, 1923. Serial No. 641,375. 3 Claims. (Cl. 220—18.)



1. In an ash receptacle, the combination of a cylindrically shaped mounting, said mounting being screw-threaded at one end and provided with a shoulder; a clamping nut on the screw thread; and a cylindrical drawer slidingly mounted therein.

1,627,908. VALVE CAP. GEORGE F. KEENA, Detroit, Mich. Filed Oct. 13, 1924. Serial No. 743,287. 3 Claims. (Cl. 152—12.)



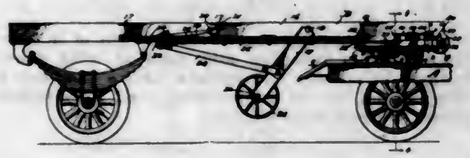
1. A valve cap adapted for threading on an exteriorly threaded valve stem, said cap being made from comparatively soft material and provided with interior threads adapted for engaging said exterior threads, said threads being dissimilar in formation and pitch, to permit the flowing of the threads of said cap into close engagement with the threads of said stem.

1,627,909. ROCK-DRILL BIT. WARREN J. KIRBY, Miami, Ariz. Filed Apr. 26, 1926. Serial No. 104,686. 2 Claims. (Cl. 255—64.)



1. As a new article of manufacture, a drill bit comprising a body 1 provided with an enlarged outer end 5 and with a comparatively large elliptic shaped bevelled surface 8, said body 1 provided with a water channel 2 opening upon said bevelled surface 8, and said body 1 provided opposite to said bevelled surface 8 with an inclined face 6 terminating at its outer end in a straight edge 7 parallel with the longitudinal axis of said body 1, whereby a circular groove is cut by said drill bit.

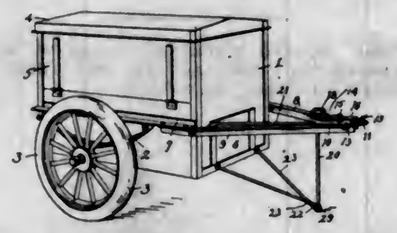
1,627,910. TRACTOR-TRAILER. CHARLES H. LAND, Detroit, Mich. Filed Sept. 10, 1925. Serial No. 55,465. 15 Claims. (Cl. 280—33.1.)



1. In a device of the character described, the combination with a tractor and trailer of a fifth wheel secured to the tractor including a turnable member having converging guide channels adapted to actuate means for operating a supporting leg carried by the trailer; a leg carried by the trailer adapted to support the forward end of the trailer when the latter is disconnected from the tractor and to be released from supporting relation upon coupling the trailer to the tractor, and means co-ordinating with the converging guide channels of the turnable member of the fifth wheel and connected with said supporting leg, whereby upon a forward or backward movement of the tractor the leg may be shifted from a position adapted to support the trailer to a transit position, or vice-versa.

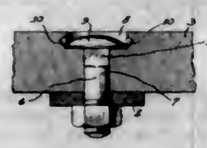
1,627,911. VEHICLE. NIEL P. LARSEN, Cleveland, Ohio, assignor to The American Coach & Body Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 2, 1926. Serial No. 85,482. 5 Claims. (Cl. 280—33.4.)

1. A vehicle of the type described, comprising a body portion and wheels attached thereto, a tongue comprising forwardly converging side members connected to the body portion, means for supporting said members comprising a rod attached at one end to one of the converging mem-



bers and extending substantially parallel therewith, a leg slidably connected to said rod, and means for securing said leg in operable position.

1,627,912. BOLT. HARRY A. LOMASON, Detroit, Mich. Filed Sept. 13, 1924. Serial No. 737,450. 3 Claims. (Cl. 85—9.)



2. A bolt for the purpose described including a head and upstanding lugs integral with the head to provide for entering said head and lugs within a countersink around an opening to receive the bolt, said lugs being bendable into engagement with the side wall of the countersink to hold the bolt against endwise movement.

1,627,913. WALL CONSTRUCTION. JOHN F. MAKOWSKI, Stockton, Calif., assignor, by mesne assignments, to Fire Proof Wall Company, Reno, Nev., a Corporation. Filed Feb. 16, 1926. Serial No. 88,576. 6 Claims. (Cl. 72—115.)



1. A wall stud comprising a thin flat member, and nailing blocks secured to the flat faces of such member.

1,627,914. RADIATOR. SVEN MALER, Milwaukee, Wis. Filed May 17, 1924. Serial No. 714,138. 2 Claims. (Cl. 257—139.)



1. A radiator formed of sheet metal and including vertical fluid chambers and central longitudinal fluid conduits, the depth of the fluid chambers being greater than the distance between them, a plurality of the adjacent fluid chambers positioned on the same side of said fluid conduits being formed from one integral sheet of metal, adjacent portions of said fluid chambers being secured together to prevent lateral and longitudinal spreading.

1,627,915. MOLDING STRIP. WILLIAM MARSHALL, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 1, 1926. Serial No. 112,951. 5 Claims. (Cl. 20—69.)



1. A strip of molding formed of a single piece of metal having a channel-shaped portion, an open return-bent portion extending from one wall thereof and into the channel portion to provide gripping means for a door jamb, and an open return-bent portion extending from the outer wall of the channel-shaped portion longitudinally of the base thereof and adapted to receive a weather strip.

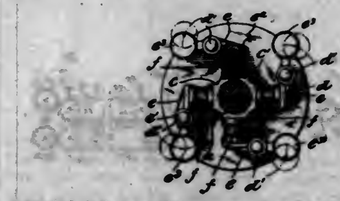
1,627,916. WINDOW. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1925. Serial No. 55,859. 4 Claims. (Cl. 98—8.)



1. In combination with a wall having an aperture, a closure therefor, flexible strips clamped to opposed edges of the closure, and means engaging said flexible strips whereby either one of opposed edges may be spaced from the wall.

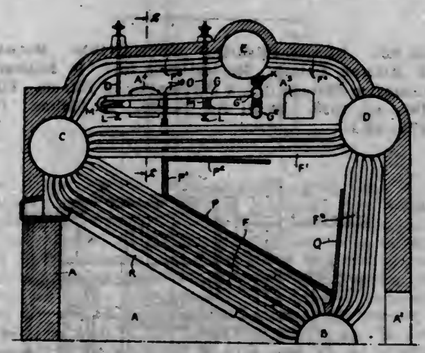
1,627,917. VIBRATION DAMPENER. ALFRED FELLOWS MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 23, 1926. Serial No. 104,242. 2 Claims. (Cl. 74—6.)

1. A vibration damping device comprising a rotating member, a plurality of pivoted elements, means to mount said elements with the rotating member, inertia means on one end of said pivoted means, seats on the opposite ends, co-operating seats on the rotating means, and means



mounted between the co-operating seats to resist movement of the inertia means due to rotation of the rotating member.

1,627,918. SUPERHEATER BOILER. FRANCIS MILLER MACDOWELL, Fanwood, N. J., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Sept. 17, 1923. Serial No. 663,096. 1 Claim. (Cl. 122—302.)



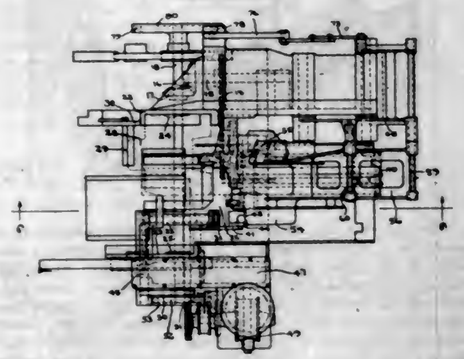
The combination with a water tube boiler comprising a steam and water drum and a water drum adjacent one end of the boiler, a second steam and water drum adjacent the opposite end of the boiler, banks of tubes connecting the water drum to each of the steam and water drums, a third bank of tubes connecting the two steam and water drums, a steam drum parallel to the other drums and located intermediate the ends of the boiler and sufficiently above said third bank of tubes to provide space between said drum and last mentioned tubes for the hereinafter mentioned superheater headers and having a heating gas outlet adjacent said water drum, and tubes connecting said steam drum to each of said steam and water drums, of a superheater located in the space between the steam drum and said third bank of tubes and comprising headers parallel to and beneath the steam drum and tubular superheater elements secured to said headers and extending from the latter toward said opposite end of the boiler in the space between said third bank of tubes and the steam tubes connecting the steam drum to said second steam and water drum, and baffle means including a baffle extending upwardly between the tubes connecting the water drum to the two steam and water drums and across said third bank of tubes, and a baffle formed in part by said headers for causing the heating gases to flow upward toward the last mentioned steam and water drum along the tubes connecting it to the water drum and thence upwardly across an adjacent portion of said third bank of tubes and portions of the superheater elements, and thence downward across the remaining portions of the superheater tubes into said third bank of tubes and thence downward to said outlet through the bank of tubes connecting the first mentioned steam and water drum to the water drum.

1,627,919. MEANS AND METHOD FOR SCUTCHING FIBROUS PLANTS. JOHN A. MCLEOD, Memphis, Tenn. Filed Feb. 25, 1926. Serial No. 90,520. 8 Claims. (Cl. 19—28.)



1. In apparatus of the character described, the combination of crushing means, means for delivering material thereto in predetermined arrangement, scutching means at a distance from said crushing means, means adjacent said scutching means, for regulating the delivery of material from said crushing means to said scutching means, and hackling means receiving material from said scutching means.

1,627,920. BLANK-FEEDING MECHANISM. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1925. Serial No. 74,969. 22 Claims. (Cl. 271—29.)

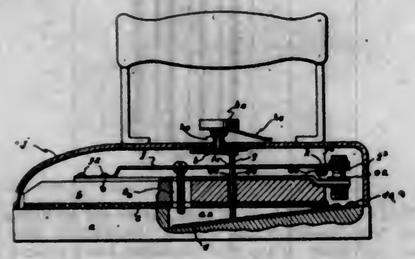


1. Apparatus for feeding blanks comprising a magazine having supporting ledges for a stack of blanks, a suction head for engaging a projecting portion of the lowermost blank of the stack and for moving said projecting portion downwardly, a stripper arranged to enter the space between the said projecting portion and the remaining blanks in said magazine to extract said blanks from said magazine, and a lifter operated by said stripper to raise the remaning blanks in said magazine to permit said lowermost blank to be easily withdrawn from said supporting ledges.

1,627,921. METHOD OF PRODUCING FEED STUFF. CARL S. MINER, Glencoe, and GODFREY STEERUP, Chicago, Ill., assignors to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed May 28, 1921, Serial No. 473,360. Renewed Mar. 23, 1927. 11 Claims. (Cl. 99—11.)

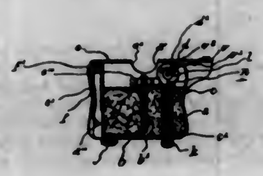
11. The process of treating oat hulls which consists in subjecting them to the conjoint action of heat, pressure and substantially less than its own weight of water in the presence of lime, said lime being present in both the solid and the dissolved state.

1,627,922. FLATIRON. JOSEPH W. MYERS, Jackson, Mich., assignor, by direct and mesne assignments, of one-third to Joseph H. Myers, Jackson, Mich.; one-third to Arthur J. Tuttle, Detroit, Mich.; and one-third to Agnes W. Myers and Joseph W. Myers, Jackson, Mich. Filed Mar. 24, 1924. Serial No. 701,404. 10 Claims. (Cl. 219—25.)



1. In an electrically heated flatiron a removable cover therefor a circuit controlling apparatus, a thermostat adapted to actuate said apparatus, and a cam forming an adjustable yielding force modifying the action of said thermostat, said cam being itself elastic, said cam being permanently secured to said cover and adapted to automatically engage to actuate said apparatus when the cover is adjusted to the iron.

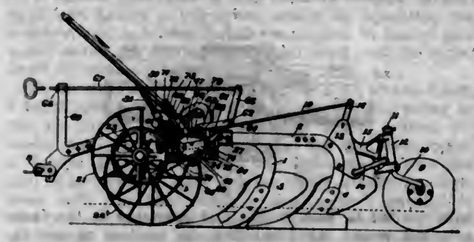
1,627,923. AUTOMATIC FIRE-PRODUCING DEVICE. LOUIS AUGUSTE NEVIÈRE, Chateau de Mere, near Artaimes, France. Filed June 22, 1923, Serial No. 647,010, and in Belgium July 5, 1922. 5 Claims. (Cl. 67—7.1.)



1. In a lighter, the combination of a reservoir member having an enclosed portion adapted to contain an inflammable liquid and also having a projecting portion beyond said enclosed portion, a cover member slidably mounted on said reservoir, a wick located in said enclosed portion and having its end projecting into said projecting portion, ignition means mounted on said reservoir adjacent said projecting end, said ignition means being adapted to be actuated when said cover member and reservoir member are moved relatively to each other in one direction, spring means adapted to actuate said cover member and reservoir member in the opposite direction, one of said members having a perforation and the other of said members having a longitudinal opening, said perforation and opening being adapted to register during the movement of said members against the force of said spring so as to insure a continuous and substantially uniform air supply to said wick.

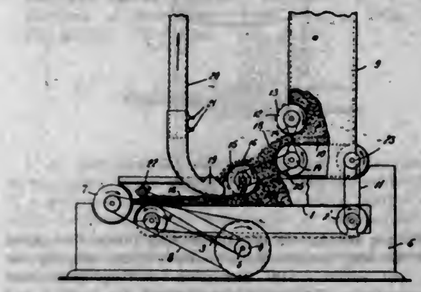
1,627,924. GANG PLOW. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 23, 1920. Serial No. 405,289. 28 Claims. (Cl. 97—73.)

1. In a plow comprising a beam, a furrow opener carried by the beam, and supporting wheels, the combination of a screw supported on the beam, connections operated by the rotation of said screw to move the beam and furrow opener vertically, and a train of gearing between said screw and one of the wheels and operable at will to



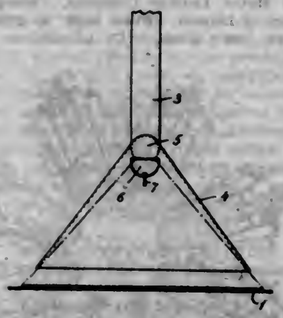
connect the latter wheel with said screw whereby the traction power of said wheel is transmitted to rotate the screw.

1,627,925. SYSTEM OF FEED CONTROL. HENRY HARRIS PAYZANT, Everett, Wash., assignor to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Filed May 28, 1925. Serial No. 33,407. 7 Claims. (Cl. 198—53.)



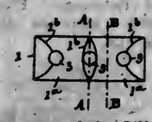
1. The method of forming loose material into a layer of uniform thickness, which consists in continuously depositing an excessive amount of the material onto a traveling support, and simultaneously shaping a portion of the material into a layer and lifting the excess away from said layer.

1,627,926. DISTRIBUTING HOOD. HENRY HARRIS PAYZANT, Everett, Wash., assignor to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Filed May 28, 1925. Serial No. 33,406. 7 Claims. (Cl. 302—59.)



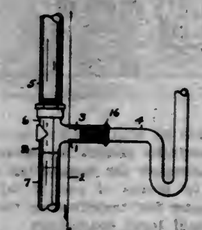
1. A device of the type described comprising a supply pipe, a distributing hood associated therewith, said hood having an opening in the side thereof, and a member having a curved edge, said member being hinged to said hood along one edge of the opening in the side thereof and adapted to swing into the interior thereof.

1,627,927. SAFETY RAZOR. DANIEL PETARD, Nice, France. Filed June 25, 1924, Serial No. 722,224, and in France Feb. 27, 1924. 1 Claim. (Cl. 30—12.)



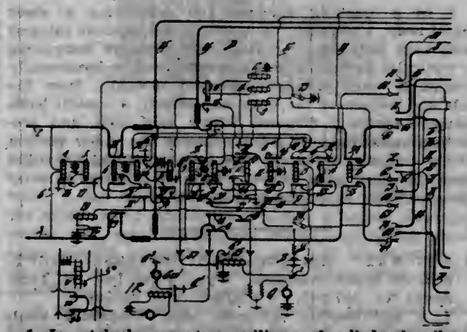
For use on safety razors of the Gillette type, a concavo-convex spacing plate adapted to be interposed between the blade and the curved guard and provided on its convex face with recesses forming separated elevated portions having curved edges and each constituting a support for the razor blade.

1,627,928. VENTED WASTE-PIPE FITTING. CHARLES F. PRESSLER, Fort Wayne, Ind. Filed Nov. 9, 1925. Serial No. 67,707. 1 Claim. (Cl. 182—22.)



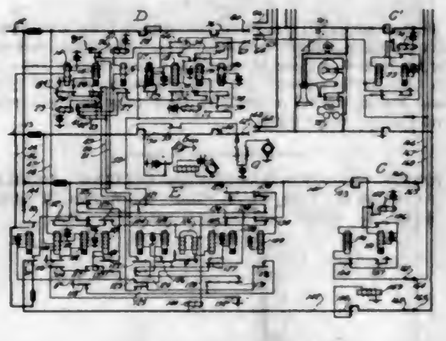
A device of the class described comprising a T-shaped fitting having annular discharge and venting portions in vertical alinement and an annular inlet portion adapted to be removably connected to a waste pipe leading from a plumbing fixture, and having communication with both the discharge and venting portions, the fitting being adapted to be installed in a wall with its inlet portion projecting exteriorly thereof, a seat in the wall of the fitting opposite to and in axial alinement with the inlet portion and an open ended tube adapted to be inserted into the inlet portion and engaged at one end in the said seat and having a port therein adapted to register with the discharge portion, said tube having its outer end threaded.

1,627,929. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 13, 1917. Serial No. 196,380. 80 Claims. (Cl. 174—18.)



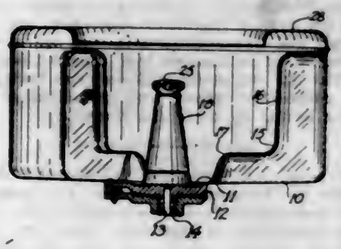
1. In a telephone system, calling and called subscribers' lines, an automatic connector switch controlled by the calling subscriber to connect said lines, and means controlled by the called subscriber for releasing and re-operating said connector to connect the said calling line with another called line.

1,627,930. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 26, 1920, Serial No. 384,353. Renewed July 21, 1926. 90 Claims. (Cl. 179—18.)



1. In an automatic branch exchange, incoming and local connectors, means for completing a call from the main exchange by means of one of said incoming connectors, and means for transferring the call by means of any one of said local connectors.

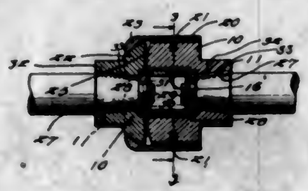
1,627,931. WASHING-MACHINE TUB. SIMON E. SCHROEDER, Newton, Iowa. Filed Feb. 6, 1925. Serial No. 7,226. 3 Claims. (Cl. 259—75.)



1. In a washing machine tub comprising a sheet metal body, a plurality of spaced baffle members integral with said body, each of said baffle members comprising a vertically extending reach member and a horizontally extending reach member impressed inwardly from the side and bottom of the body respectively, a conical baffle member centrally disposed within said body and projecting upwardly to a point adjacent the upper portion of the tub, and a top for said body extending inwardly from the upper edge thereof a distance sufficient to cover the vertically extending reach members.

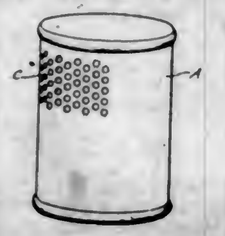
1,627,932. BALL-BEARING UNIVERSAL JOINT. WALTER SCOTT, Sheridan, Wyo. Filed Dec. 28, 1926. Serial No. 157,587. 4 Claims. (Cl. 64—91.)

1. A ball bearing universal joint comprising heads adapted for attachment to shaft sections having lugs upon adjacent faces, said lugs interdigitating and having the adjacent faces thereof provided with coacting grooves combining to produce longitudinally directed ball receiving channels, said lugs and heads combining in the assembled relation thereof to produce a central axial chamber, a sleeve within said chamber and having projecting ball retaining elements corresponding in number to the spaces between adjacent faces of the lugs and



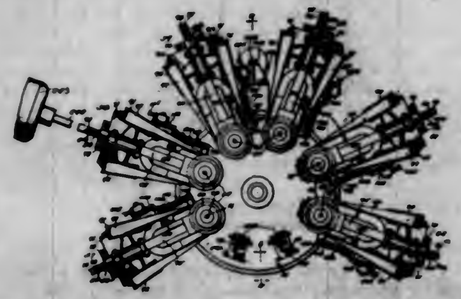
balls carried by said flanges and operating in the channels and means for connecting the sections to one another permitting relative angular displacement thereof.

1,627,933. WINDING BOBBIN. HARRY V. N. SNYDER, Clifton, N. J., assignor to The Manhattan Rubber Mfg. Company, a Corporation of New Jersey. Filed Jan. 19, 1927. Serial No. 162,016. 1 Claim. (Cl. 242—178.)



A winding bobbin suitable for having threads of rayon wound thereon, comprising a hollow, thin, slightly resilient but substantially distortion-resisting body having a multitude of perforations through its surface and communicating with its hollow interior, the exterior and the interior of the winding surface of the bobbin being entirely covered with a thin layer of rubber resistant to acids and alkalis and vulcanized to such a degree between softness and rock-hardness as renders the covering material somewhat yielding but tough and substantially resistant to cracking or chipping and with an exterior surface of high molecular cohesion.

1,627,934. UNIVERSAL MULTIPLE-OPERATION MACHINE. LOUIS H. STEIN, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1924. Serial No. 736,419. 28 Claims. (Cl. 29—38.)

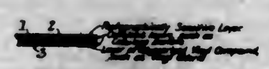


1. In combination, a table adapted to be intermittently advanced by rotary motion, a plurality of working heads stationed at equidistant stations about said table or

carrier, said heads having spindles disposed vertically above the table or carrier, a common central vertical shaft below the table or carrier, a plurality of radial drive shafts connected to the common central vertical shaft and having a belt-driven means for operating the spindles, and a driving member connected to one of said radial shafts for driving the central shaft and the radial shaft in unison.

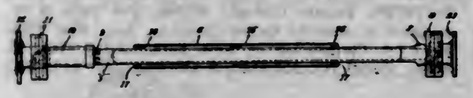
15. In combination a frame having a top frame plate, a barrel and a base, a table having a central bearing in the top frame plate and having a thrust bearing between the bottom of the table and the top frame plate, a Geneva gear connected to the table shaft below the top frame plate, a main driving shaft axially in alignment with the table shaft, a counter-shaft parallel to the axis of the aforesaid shaft, Geneva pinion and cam mechanism loosely mounted on said counter-shaft, a controlling cam shaft, a cam on the cam-shaft controlling the clutching of said counter-shaft to the Geneva cam and pinion, and quick releasable means for changing the cam to control the rate of advance of the table.

1,627,935. LAMINATED FILM WHICH INCLUDES A LAYER OF POLYMERIZED VINYL CHLORIDE. RAY L. STINCHFIELD, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 1, 1926. Serial No. 99,075. 25 Claims. (Cl. 95—9.)



1. A photographic film comprising a light-sensitive photographic layer, a flexible and easily electrifiable layer of a polymerized vinyl compound, and a flexible colloid layer coextensive with said layer of polymerized vinyl compound, and in condition to reduce the potential of electric charges formed on said polymerized vinyl compound layer.

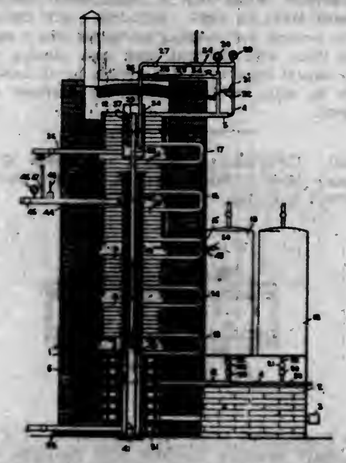
1,627,936. PROPELLER SHAFT. CARL E. SWENSON, Rockford, Ill., assignor of one-fourth to Carl L. Anderson, one-fourth to Levin Faust, and one-fourth to Eric S. Ekstrom, Rockford, Ill. Filed Dec. 30, 1925. Serial No. 78,276. 2 Claims. (Cl. 64—29.)



1. A propeller shaft of the character described comprising in combination a relatively small diameter shaft of about the average length having power-transmitting connections at opposite ends, a comparatively large diameter tubular shaft surrounding an intermediate portion of the length of said first mentioned shaft, and a plurality of rings fixed on said first mentioned shaft in spaced relation and arranged to bear within said second named shaft, said second named shaft being held against endwise movement with respect to said rings.

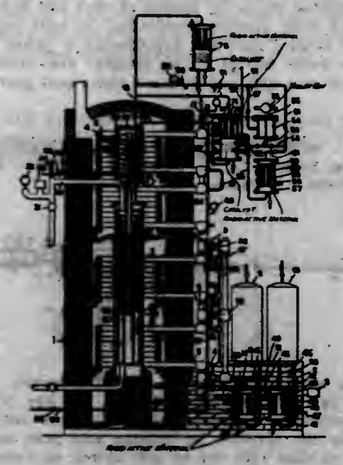
1,627,937. APPARATUS FOR CRACKING AND DISTILLING HYDROCARBON OILS. STEPHEN L. TINGLEY, Nitro, W. Va. Filed Oct. 12, 1923. Serial No. 668,229. 18 Claims. (Cl. 196—110.)

1. A cracking and distillation apparatus comprising a furnace, a coil within said furnace for heating the hydrocarbon oil and means for supplying oil to the same, a jacket entirely surrounding said coil and means for supplying water thereto and causing it to flow in the same direction as the flow of the oil whereby it will be converted into superheated steam by the heat of the furnace and the oil progressively heated, vaporized and the vapors superheated at substantially the same pro-



gressively increasing temperatures as those of the water and its vapor the oil containing coil protected from direct exposure to the heat of the furnace.

1,627,938. OIL DISTILLATION AND CRACKING. STEPHEN L. TINGLEY, Nitro, W. Va. Filed Dec. 28, 1923. Serial No. 683,165. 33 Claims. (Cl. 196—52.)



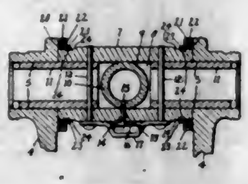
1. An oil cracking and distillation apparatus comprising a furnace, a jacketed coil within said furnace formed in a series of superposed substantially horizontal sections, means respectively for supplying oil and water to the lower end of said coil and jacket, a header communicating with said oil-supplying means and having check valve control connection with said coil intermediate of its sections acting to control the fluctuations of the liquid level of the oil in said coil.

13. An oil cracking and distillation apparatus comprising a furnace, a conduit for the oil within said furnace, a fixation chamber, means for supplying oil to said conduit, means for subjecting the oil before entering said conduit to emanations from a radioactive substance and means for conducting the highly heated oil vapors from said conduit to said fixation chamber.

1,627,939. PROCESS OF COLORING MATERIALS. JOHN P. TRICKEY, Evanston, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 2, 1923, Serial No. 610,351. Renewed Mar. 23, 1927. 8 Claims. (Cl. 260—2.)

1. The process for coloring materials which comprises treating them with furfural, and then causing the furfural to impart color to said materials by an independent reaction in situ involving only the furfural and an acid agent.

1,627,940. UNIVERSAL JOINT. RAYMOND G. UACH, Allegan, Mich. Filed Nov. 3, 1926. Serial No. 145,969. 5 Claims. (Cl. 64—102.)



1. In a universal joint, the combination of a pair of forked shaft members provided with bearings at their ends, a coupling member comprising a center block having intersecting bores of the same diameter, a through journal pin disposed in one of the said bores of said center block, a pair of journal pins disposed in the other bore of said center block at the sides of the said through journal pin, locking pins arranged through said center block to engage said pair of journal pins, and a spring retaining pin disposed through the side of the center block to engage said through journal pin, said spring retaining pin being formed of wire and having a yoke-shaped body portion terminating in coils engaged with said locking pins and constituting a guard, said spring pin being carried by an integral arm extending from one of said coils and disposed under said guard.

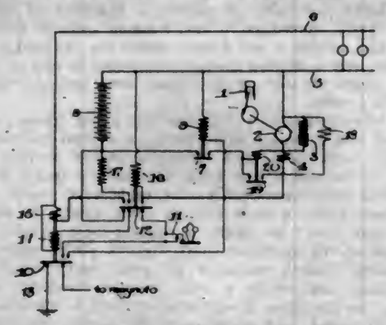
1,627,941. SURGICAL INSTRUMENT. REINHOLD H. WAPPLER, Yonkers, N. Y. Filed Oct. 16, 1924. Serial No. 743,856. 8 Claims. (Cl. 128—7.)



3. In a surgical instrument the combination of a barrel, a pair of jaws mounted upon one end of said barrel, mechanism connected with said jaws and controllable by the operator for causing said jaws to grip and thus to close said end of said barrel, an endoscope extending lengthwise through said barrel and having a field of vision extending obliquely outward from said open end thereof and between said jaws when open, said field of vision having the form of a cone with its axis entirely within the general plane in which said jaws are to be closed.

1,627,942. AUTOMATIC GENERATING PLANT. THOMAS S. WATSON, Milwaukee, Wis., assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed June 12, 1922. Serial No. 567,734. 3 Claims. (Cl. 290—31.)

2. In a gas-engine-operated generating unit, a generator having windings for supplying mains at a service voltage, means for permitting the starting of the engine by a materially lower voltage battery supplying current to said windings for operating the generator as a



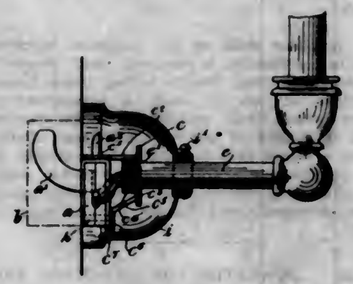
motor and comprising a shunt field coil auxiliary to said windings and included in circuit momentarily at the time of closing the starting circuit.

1,627,943. ROCKING-HANDLE FLUSH-TANK FITTING. ARTHUR W. WELLINGTON, Waterbury, Conn., assignor to The Chase Companies Inc., Waterbury, Conn., a Corporation. Filed Sept. 4, 1926. Serial No. 133,563. 3 Claims. (Cl. 4—67.)



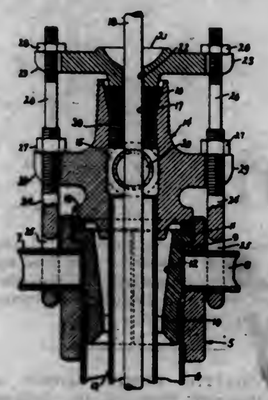
3. An assembly or unit for rocking-handle flush-tank fittings, consisting of a threaded sleeve having its inner end reduced in diameter, a shaft passing through the said sleeve, projecting at each end therefrom, and a pin passing through the reduced end of the sleeve and through the shaft which rocks upon it and shorter in length than the full diameter of the sleeve.

1,627,944. ADAPTER FOR FIXTURE-SUPPORTING DEVICES. ERNEST CANTELO WHITE, New York, N. Y., assignor to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 26, 1921. Serial No. 455,916. 3 Claims. (Cl. 240—85.)



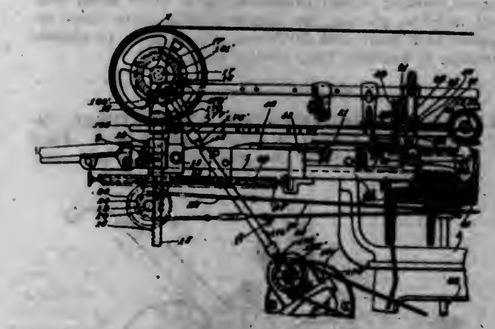
1. An adapter for a demountable electrical connecting and supporting plug for fixtures, the plug having an upstanding lug for engagement with a fixture having a bridge, an inwardly projecting member on said adapter, a slot in said member for detachable engagement with said lug, threaded means on the adapter for supporting the fixture, and means co-operating with the slot for supporting the adapter from the plug.

1,627,945. CASING HEAD FOR OIL WELLS. WILSON B. WIGLE, Long Beach, Calif. Filed Nov. 10, 1925. Serial No. 68,188. 3 Claims. (Cl. 166—14.)



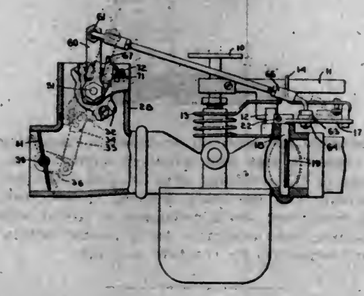
1. A casing head for oil wells comprising a body member having an internal seat adjacent its upper end adapted to be detachably secured to the upper end of a well casing and having gas outlet pipes leading therefrom, a sleeve having a conical bore for the reception of tubing slips mounted on the seat of the body member, an expansible packing member mounted on the upper end of the sleeve, a spider member having a bore therethrough and fluid outlets leading therefrom disposed on said packing member, a packing member disposed in the upper end of said spider bore having an aperture for the passage of pump rods therethrough, the lower end of said bore being threaded for the reception of the upper end of a string of oil tubing, a gland follower bearing against said packing member to compress the same, and means to secure the spider to the body and to simultaneously expand the packing members.

1,627,946. CAN-LABELING MACHINE. CHARLES H. WILD, Baltimore, Md., assignor to Burt Machine Company, Incorporated, a Corporation of Maryland. Filed Aug. 26, 1924. Serial No. 734,160. 58 Claims. (Cl. 216—58.)



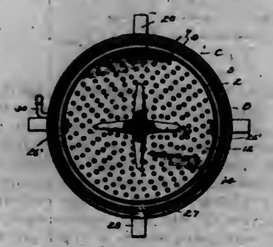
1. In a can labeling machine having a feed belt engaging the cans from above to roll them through the machine, and feed belt pulleys at opposite ends of the machine, means for equally and simultaneously adjusting the feed belt and the feed belt pulleys at the opposite ends of the machine up or down to provide for treating cans of different diameters.

1,627,947. THERMOSTATIC CONTROL FOR CARBURETORS. MERL B. WOLFARD, Cambridge, Mass., assignor to Hopewell Brothers, Watertown, Mass., a Copartnership composed of Charles F. Hopewell and Helen C. Hopewell. Filed Sept. 4, 1924. Serial No. 735,046. 43 Claims. (Cl. 261—39.)



1. In combination with an internal combustion engine having an intake conduit and means for supplying a liquid fuel thereto, means for supplying hot air to said conduit, means for admitting cold air to said conduit, controlling means initially positioned respectively to prevent admission of cold air and to admit a restricted amount of hot air from said hot air supply to said conduit, thermostatic means influenced by the heat from the engine operable upon increase of the temperature thereof to cause said controlling means to admit an increasing supply of hot air to said conduit until a predetermined temperature of the engine is attained, and simultaneous therewith to admit to said conduit an initially less but more rapidly increasing amount of cold air.

1,627,948. LAUNDRY APPLIANCE. CHARLES R. ASMUS, Columbus, Ohio. Filed Dec. 9, 1924. Serial No. 754,832. 2 Claims. (Cl. 68—30.)



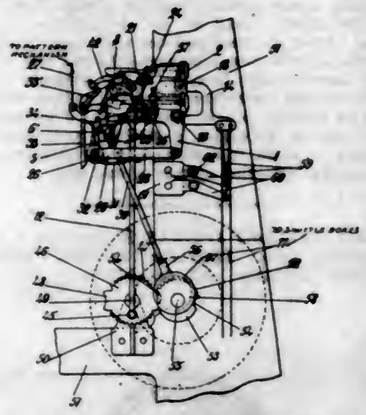
1. In a washing machine, a boiler comprising inner and outer sections, said sections being formed with spaced bottom and side walls, means for suspending the inner section within the outer section, consisting of a fixed ring support arranged interiorly of the outer section, and a complemental ring support stationarily projecting from the side wall of the inner section and engaging the said first named ring support, the engaging surfaces of said support being disposed on an angle with respect to the horizontal so as to center automatically the position of the inner section within the outer section, the non-engaging surfaces of said ring support being angularly disposed so as to facilitate the shedding of water.

1,627,949. ELECTRIC MOTOR. EDGAR N. BAKER, Springfield, Ohio, assignor to The Robbins & Myers Company, Springfield, Ohio, a Corporation of Ohio. Filed July 14, 1924. Serial No. 725,819. 1 Claim. (Cl. 172—278.)



In a motor of the character described, a supporting casing an armature and field windings supported in said casing, one of the windings being of high reactance and low resistance and the other winding of low reactance and high resistance, and a resistance in circuit with the latter winding, said resistance being located within said casing and supported by the field winding.

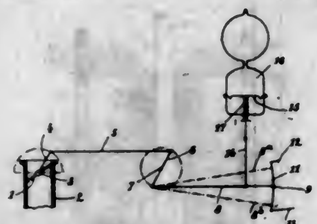
1,627,950. DOBBY FOR LOOMS. PAUL JOSEPH BANZET, Bourgoin, France, assignor to Bruyere Banzet & Co., Societe Dauphinoise de Materiel Textile, Bourgoin, France, a Corporation of France. Filed July 15, 1924, Serial No. 726,080, and in France Nov. 27, 1923. 3 Claims. (Cl. 139—175.)



1. In a double lift dobby mechanism having multiple shuttles and raising box mechanisms for the control thereof, with swinging baulks and griffe bars, the actuating means therefor comprising in combination an intermittent device, comprising a gear attached to a loom shaft, having toothed sectors and plain sectors and a cooperating gear having toothed sectors cooperating with the toothed sectors of said gear, and concave sectors cooperating with said plain sectors, a crank pin attached to said second mentioned gear, and a connecting rod leading therefrom to means cooperating with said griffe bars, whereby a dwell is obtained at the end of each movement of the griffe bars.

1,627,951. CONTROL OF CARBURETORS. MARIUS JEAN-BAPTISTE BARBAROU, Paris, France. Filed Feb. 23, 1924, Serial No. 694,804, and in France Mar. 24, 1923. 6 Claims. (Cl. 123—75.)

1. A transmission gear for the control of the carburetor of an internal combustion engine comprising a control member, a rod and link gear operatively connecting said control member with the throttle valve of the carburetor, an elastic membrane one face whereof is subjected to a pressure substantially equal to the atmospheric pressure at the lowest altitude at which the engine is intended to work, while its other face is subjected to the surrounding atmospheric pressure and means for operatively connecting said membrane to one rod of said rod and link gear,



said rod being adapted to slide on the preceding link whereby the operative length of said link may be varied and the ratio of the transmission of movement is varied in accordance with the altitude and increases at the same time as the latter.

1,627,952. PLASTIC CEMENTITIOUS MATERIAL. HARRY E. BACOKEY, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 8, 1923. Serial No. 656,455. 4 Claims. (Cl. 106—35.)

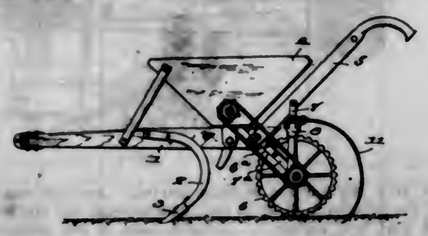
1. A plastic cementitious material comprising substantially eighty-eight parts by weight of hydraulic cement, six parts of finely divided plastic clay and six parts of finely divided hydrated lime.

1,627,953. METHOD OF CONSTRUCTING METAL WHEELS. EDOUARD WILFRID BUGUET, Montrouge, France. Filed Mar. 7, 1924, Serial No. 697,649, and in France Mar. 15, 1923. 6 Claims. (Cl. 29—159.)



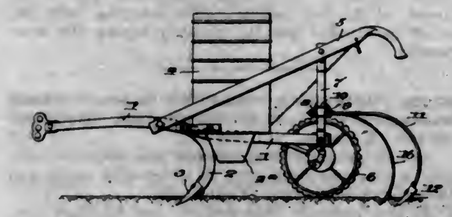
1. The method of constructing metal wheels which comprises forming radially disposed ribs in sheet metal conical member, placing two members with their bases opposite each other, and subjecting said members to stresses tending to augment their conical height.

1,627,954. ATTACHMENT FOR AGRICULTURAL IMPLEMENTS. EUGENE M. COLE, Charlotte, N. C. Filed Feb. 2, 1924. Serial No. 690,179. 4 Claims. (Cl. 97—179.)



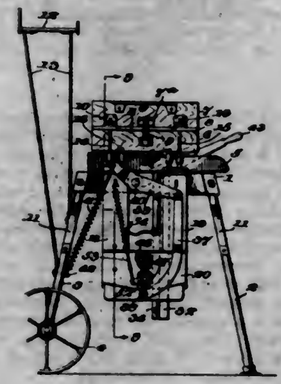
1. An attachment for agricultural implements having a beam, handle bars, and substantially vertical braces extending downwardly from the handle bars, said attachment comprising a bracket having two angularly disposed arms, means for clamping one arm of such bracket to one of said braces at any desired point longitudinally thereof, and a plow shank having its upper end secured to the other arm of said bracket.

1,627,955. ATTACHMENT FOR FERTILIZER DISTRIBUTORS. EUGENE M. COLE, Charlotte, N. C. Filed Feb. 2, 1924. Serial No. 690,181. 5 Claims. (Cl. 97—179.)



1. An attachment for fertilizer distributors or the like, having a frame, and means for supporting the same at two points, handle bars, and braces connecting the frame and handle bars, said attachment comprising a cross bar, means for frictionally clamping said bar to said braces so that it will be supported thereby in a substantially horizontal position said frictional clamping means constituting the sole securing means for said bar, and one or more plow shanks having their ends attached to and carried by said cross bar.

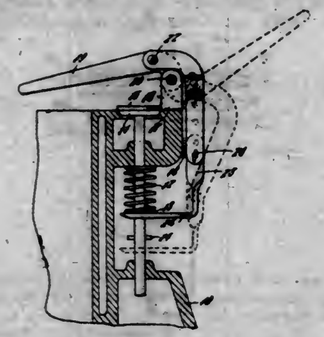
1,627,956. LIFTING MECHANISM. EUGENE M. COLE, Charlotte, N. C. Filed Mar. 5, 1926. Serial No. 92,587. 12 Claims. (Cl. 22—48.)



1. Lifting mechanism comprising a plurality of vertical rods, a frame in which said rods are yieldingly mounted, means for raising said frame, means permitting said rods to yield during the initial movement of said frame, and means for automatically locking said rods to the frame after the latter has traveled a predetermined distance.

1,627,957. VALVE LIFTER. JOHN COTTRELL and JOHN MARKER, Ionia, Mich. Filed Feb. 24, 1926. Serial No. 90,412. 5 Claims. (Cl. 29—86.3.)

1. A valve lifter for use upon and in conjunction with internal combustion engine valves comprising a pair of interassociated horizontally and vertically disposed disks adapted to be seated upon the head of a valve and the corresponding outer side of the cylinder block, an



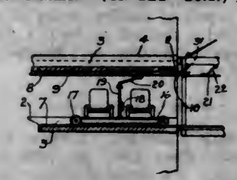
operating lever pivotally mounted between the disks, and lifting means associated with the operating lever and valve mechanism.

1,627,958. RADIOFREQUENCY CHOKE COIL SYSTEM. ALFRED CROSSLEY, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed July 20, 1926. Serial No. 123,785. 4 Claims. (Cl. 175—359.)



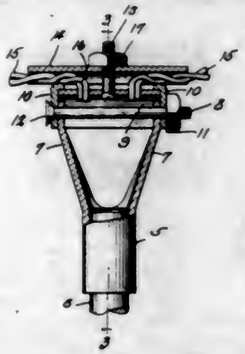
4. A choke coil system comprising in combination a plurality of choke coil units each arranged to have small distributed capacity, means for mounting said choke coil units with respect to each other in such manner that there is no appreciable magnetic or electrostatic coupling therebetween, a series connection between said plurality of coils with the outer terminal of one coil connected to the inner terminal of a succeeding coil with the terminals of said choke coil system across the inside of one of said choke coils and the outside of another of said choke coils for substantially increasing the resistance of said choke system at resonant frequencies for preventing the destruction of said choke coil system at said resonant frequencies while maintaining the distributed capacity of said choke coil system at a low value.

1,627,959. STORAGE BUILDING FOR MOTOR CARS AND THE LIKE. KEPPEL DISNEY, Vancouver, British Columbia, Canada. Filed June 12, 1926. Serial No. 115,693. 3 Claims. (Cl. 214—16.1.)



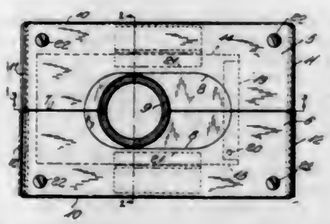
1. A storage building for motor cars and the like comprising two or more superimposed floors and an elevator communicating between the floors, an aisle extending from the elevator shaft bounded on one or both sides with car storage spaces, electric conductors extending along the aisel, energized feeders carried by the elevator and an electric tram adapted to be carried by the elevator for transporting a car along the aisel, said tram deriving its energy from the feeders and the conductors.

1,627,960. MOP-HANDLE FASTENER. JOHN W. DOTY, Olney, Ill. Filed Aug. 20, 1926. Serial No. 130,512. 2 Claims. (Cl. 15—229.)



1. In a mop, a head including a wire frame, a handle, a socket member in which the handle is positioned, said socket member having arms extending therefrom, a clamp including jaws adapted to embrace portions of the wire frame, strands carried by the frame, and means for connecting the arms of the socket member to the clamp to permit the socket member to move to various angles with respect to the mop head.

1,627,961. PLATE THIMBLE FOR PIPES. JOHN W. FARLEY, Cleveland, Ohio. Filed July 23, 1926. Serial No. 124,417. 4 Claims. (Cl. 126—317.)



1. A device of the class described, comprising two substantially rectangular plates disposed in a common plane and having longitudinal edges in contact with each other, said plates being notched to form a pipe-receiving slot and having laterally bent flanges on their ends and on their outer longitudinal edges but not on their abutting edges, a pair of channeled strips receiving the end flanges of said plates, said strips being secured to the end flanges of one plate and being slidably engaged with those of the other plate, a pair of smaller plates at one side of the first named plates notched to form a pipe-receiving opening, and means for holding said smaller plates slidably engaged with the first named plates.

1,627,962. CIRCUIT CLOSER. JOSEPH A. FIEDLER, St. Paul, Minn. Filed Dec. 16, 1925. Serial No. 75,736. 1 Claim. (Cl. 200—52.)

A circuit closer of the class described comprising a movable contact arm, an angular bracket supported within the path of movement of said contact arm, one of the leg members of said angular bracket having a threaded opening formed therein, a thimble threaded through the opening, a head formed on one end of the thimble to provide a closure therefor, said head engaging the leg member of the angular bracket in which the threaded opening is formed, a cap threaded on the open end of the thimble, a headed contact pin arranged within the thimble, the shank portion of said contact pin extending through the cap and adapted for cooperation with the



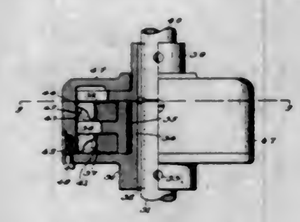
movable contact arm, and an expansible coil spring arranged within the thimble and cooperating with the head of the contact pin for normally urging the same outwardly.

1,627,963. MEDICINAL PRODUCT. HENRY C. FULLER, Washington, D. C. Filed Jan. 30, 1920. Serial No. 355,152. 5 Claims. (Cl. 167—7.)

1. As new products, fluid extracts and tinctures comprising a vegetable drug used as a remedial agent and a halogen-containing ester of glycerine.

5. As new products, fluid extracts and tinctures comprising a vegetable drug used as a remedial agent and monochloraceticmonoglyceride.

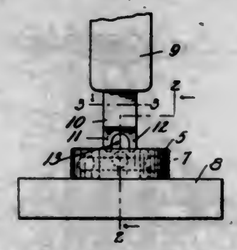
1,627,964. LOST-MOTION COUPLING. ROBERT M. GALLOWAY, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a Corporation of Indiana. Filed Mar. 24, 1925. Serial No. 17,968. 2 Claims. (Cl. 64—26.)



1. In a lost motion coupling, the combination comprising a driving member; a driven member adapted to be operated by said driving member; a floating plate positioned between the driving and driven members; co acting lugs projecting from the sides of said members and the floating plate for driving the driven member from the driving member and for producing a predetermined lost motion upon reversing direction of rotation of the driving member; resilient members positioned between said lugs to prevent shock upon abruptly reversing the driving member, said resilient members extending only through a portion of the total circular distances between engaging lugs; and floating rings mounted on said floating plate for holding said resilient members in position to be engaged by said lugs.

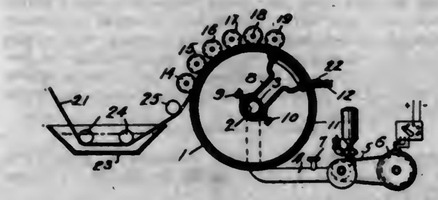
1,627,965. BALL-BEARING-ASSEMBLING DEVICE. ROBERT E. GAMBLE, Philadelphia, Pa., assignor to Standard Steel and Bearings Incorporated, Philadelphia, Pa., a Corporation of Delaware. Filed June 23, 1922. Serial No. 570,476. 2 Claims. (Cl. 29—84.)

1. In a device for loading ball bearings, a wedging member having a forked construction, the members of the forked portion being separated tangentially with relation to the curvature of the race rings when the wedging member is in operative position, the members of the fork being adapted to engage the opposing surfaces of the ring on opposite sides of the filling opening, and the recess separating the members of the fork extending upwardly into the wedging member a sufficient distance to provide for the placing of a ball in position therein and over the filling slot, whereby when the wedging



member is pressed into separating relation with the rings the ball will drop through the opening into the raceway grooves.

1,627,966. APPARATUS FOR OPERATING ON PAPER AND OTHER FABRICS. NICHOLAS M. GOODLETT, New York, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1920. Serial No. 374,636. 39 Claims. (Cl. 92—69.)



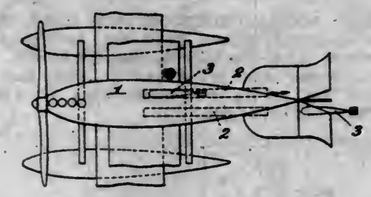
1. In an apparatus for operating on paper, the combination of a supporting surface for the paper having grooves therein parallel with the direction of travel of the paper and a crinkle-forming abutment having serrations fitting into said grooves, and means for applying fluid pressure to the paper immediately in advance of the abutment.

1,627,967. POCKET-IRON LEATHER GUARD. ED HAMBLIN, Jr., Woodward, Okla. Filed Mar. 4, 1926. Serial No. 92,209. 1 Claim. (Cl. 273—12.)



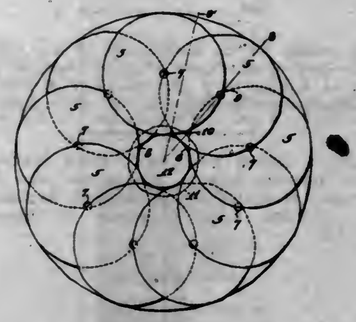
A guard for use in connection with a pool table pocket iron and leather covering therefor, said guard embodying a body portion formed of flexible material, said body portion being curved to conform to the curvature of the pocket iron and being of a length equal to the length of the pocket iron, said guard adapted to grip the pocket iron throughout the entire length of the pocket and adapted to cover the entire front face of the iron, portions of the body portion being cut away providing a plurality of gripping fingers adapted to extend over the rear edge of the pocket iron to grip the pocket iron, said fingers having openings in the upper surfaces thereof, said openings adapted to receive securing rivets to be driven into the leather covering of the pocket iron.

1,627,968. TORPEDO-LAUNCHING MEANS FOR AEROPLANES. FRITZ W. HAMMER, Lichterfelde, near Berlin, Germany, assignor to F. W. Hammer Corporation, a Corporation of New York. Filed Aug. 6, 1924, Serial No. 730,520, and in Germany Oct. 4, 1923. 1 Claim. (Cl. 244—1.)



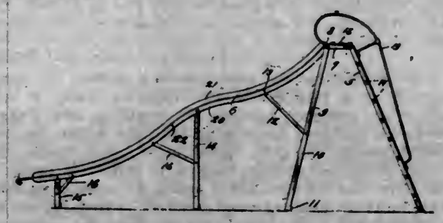
The method of launching a torpedo from an advancing aeroplane which consists in discharging the same tail first in an inclined upward and rearward direction from beneath the aeroplane.

1,627,969. BUFF SECTION FOR BUFFING WHEELS. ROBERT E. HARRISON, Philadelphia, Pa. Filed Aug. 9, 1924. Serial No. 731,011. 4 Claims. (Cl. 51—193.)



1. A buff section adapted to be mounted upon a buffing wheel shaft, and comprising a plurality of uniformly arranged over-lapping discs in annular arrangement spaced across the center of the annulus by a distance considerably greater than the diameter of the shaft to prevent bunching of the overlapping close to the shaft and filling material for the space about the shaft, some of which overlaps the inner edges of the discs.

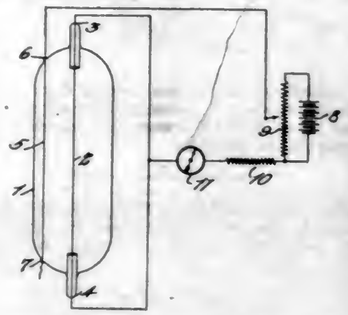
1,627,970. SLIDE. PAUL HELD, St. Cloud, Minn. Filed Nov. 18, 1926. Serial No. 149,139. 3 Claims. (Cl. 272—56.5.)



1. An amusement device including a slide section and a supporting section, said supporting section embodying a ladder, means for pivotally connecting the supporting section and slide section, said slide section including

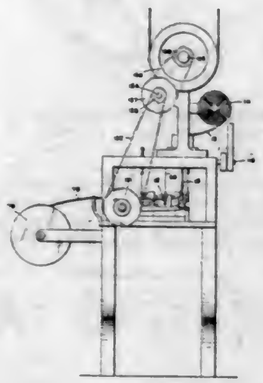
pairs of angle bars, a length of sheet metal extending throughout the length of the angle bars and having its side edges secured between the pairs of angle bars, and said length of sheet metal having its free edge curved downwardly and inwardly.

1,627,971. MANUFACTURE OF VERY THIN WIRES. GUSTAV LUDWIG HERTZ, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed Apr. 22, 1925, Serial No. 25,164, and in the Netherlands June 18, 1924. 2 Claims. (Cl. 176—132.)



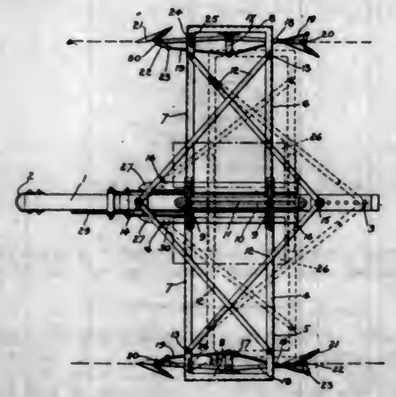
1. A process for the manufacture of very thin wires, characterized in that wires of larger diameter are connected as cathode in a glow discharge at such a current density that disintegration of the cathode occurs.

1,627,972. CHAIN-MANUFACTURING MACHINERY. JOHN HERBERT HEWITT, Birmingham, and BERNARD WULSTAN HARCOURT, Sutton Coldfield, England. Filed Dec. 17, 1925. Serial No. 76,095. 14 Claims. (Cl. 59—7.)



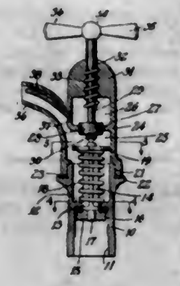
1. In a machine for manufacturing chains, the combination of a feed device for supplying links; a bed having an assembly passage for receiving said links; means for relatively positioning the links within the assembly passage to form chain units; said means including a sliding plunger adapted to relatively position and move forward said links; means for connecting said chain units by inserting pivot members in perforations in the links; and a feed device for engaging the connected units and moving them forward to accommodate the links which are being moved forward by the plunger; whereby the machine is enabled to assemble chains in which the ends of adjacent links of the same course are spaced apart.

1,627,973. FURROWING MACHINE. REGINALD HILL, Kelowna, British Columbia, Canada. Filed June 5, 1924. Serial No. 718,131. 2 Claims. (Cl. 97—225.)



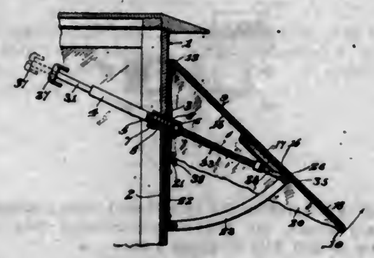
1. A furrow forming machine comprising discs arranged in pairs, each pair being disposed to cut a single furrow, each disc being formed and mounted to present a forward cutting edge and a rear turning edge to the soil to be furrowed and means for maintaining the forward cutting edges of the discs of a pair upon a medial line irrespective of the setting of the discs or the width of the furrow.

1,627,974. STOPCOCK. MAX HIMMERICH, New York, N. Y. Filed Feb. 5, 1926. Serial No. 86,134. 1 Claim. (Cl. 251—140.)



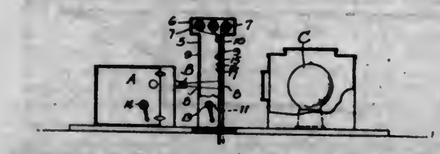
In a stop cock, a self-closing valve comprising a sleeve adapted to be secured to piping, at one end, a housing having a spout removable secured to said sleeve at the other end, an annular flange inside said sleeve projecting toward the pipe end thereof, a web post passing through the opening in said flange, a disk rigid with said post on the pipe end thereof, a gasket embedded in said disk and adapted to contact with said annular flange, a channeled washer rigid with the other end of said post, a coiled spring surrounding said post and having its ends retained between said flange and washer, a threaded plunger rotatably mounted in said housing, a shank aligned with said plunger within the housing, a conical stud at the end of said shank lying in engagement with the washer on said post, said plunger upon rotation thereof causing said stud to force said washer and post toward the pipe end of the sleeve and simultaneously the disk away from said flange, said spring normally urging said disk against said flange to close the valve, the webs of said post and the channels of said washer being provided to lessen the obstruction of the device to the free flow of liquid, and said housing being removable from said sleeve without disturbing the normal closed position of the valve.

1,627,975. AUTOMOBILE VISOR. WILLIAM E. KEMPTON, Marshall, and JOHN RUCKER, Morgan, Minn. Filed Apr. 26, 1926. Serial No. 104,753. 8 Claims. (Cl. 296—95.)



1. A visor for automobiles comprising an adjustable visor body, an adjusting rod therefor extending lengthwise thereof and further slidably connected with the ends of the visor body, supporting means for said visor body and rod, and a lengthwise shiftable adjusting element for said rod, said element having a rigid rear portion and a flexible outer portion connected to said rod centrally thereof.

1,627,976. METHOD OF PRODUCING COMPOSITE MOVING-PICTURE FILMS. ALVIN V. KNECHTEL, Los Angeles, Calif., assignor to Pathe Exchange, Inc., a Corporation of New York. Filed Aug 25, 1924. Serial No. 734,013. 1 Claim. (Cl. 88—16.)

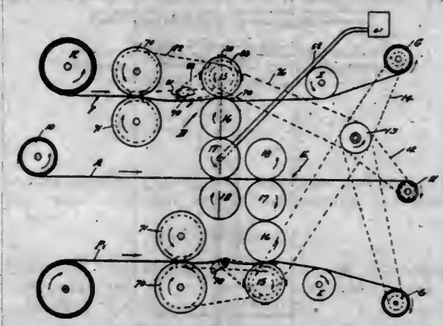


The herein described method of multiplying and forming upon a sensitized film, images of the same objects in motion contained upon a plurality of positive films, which consists in first photographically printing images of objects upon said positive films and in arranging the films so that the order of the arrangement of the images upon one film is relatively different from the order of arrangement of the same images upon another one of said positives, superimposing the positives to cause their frames to coincide in a manner that will multiply the images when viewed through said frames, and finally moving the positives simultaneously while exposing their coinciding frames to a sensitised film.

1,627,977. PROCESS FOR THE PURIFICATION OF BURNER GASES AND FOR OBTAINING CHEMICALLY-PURE SULPHURIC ACID. MAX KRAFFT, Hruschau, Czechoslovakia. Filed June 25, 1923, Serial No. 647,753, and in Germany June 30, 1922. 5 Claims. (Cl. 23—178.)

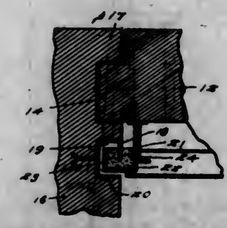
1. Process for the purification of burner gases and for obtaining chemically pure sulphuric acid which comprises freeing the burner gases from dust, passing the dust-free, hot gasses through a washing apparatus and regulating the speed and the quantity of gases passing through the apparatus in such a manner that the particles of impurities in the form of cloud are enlarged by the vaporization and condensation of the washing liquid to such an extent that they are easily separable in an electrical gas-purifier but not to so great an extent that they are deposited in the washing apparatus and separating the enlarged particles in an electrical gas-purifier.

1,627,978. TAG-MAKING MACHINE. CHARLES C. KURTZ, Los Angeles, Calif. Filed June 16, 1926. Serial No. 116,308. 27 Claims. (Cl. 93—92.)



4. In a device for punching patches from patch stock and applying the patches to tag stock, a punch roll, a complementary die roll, means for operating the rolls, means for feeding the patch stock between the rolls, and means for transferring the patch punchings from the die recesses of the die roll to the tag stock.

1,627,979. COMBINED BRICK KILN AND DRIER. NICHOLAS U. LUDWIG, Buffalo, N. Y., assignor of one-third to George W. Weyand, Buffalo, N. Y. Original application filed May 20, 1922, Serial No. 562,419. Divided and this application filed Jan. 2, 1925. Serial No. 209. 1 Claim. (Cl. 25—142.)

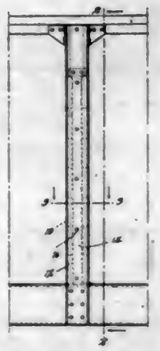


In a combined kiln and drier, a tunnel having longitudinally extending grooves in its side walls and longitudinally extending channels therebelow, cars adapted to travel in the tunnel, the said cars having edge flanges fitted in the grooves to produce a stepped joint between the firing zone and the zone occupied by the wheels of the cars, lining plates in the channels, each of said lining plates having an upper depending flange at the edge of the channel and terminating above the lower edge of the channel, troughs suspended from the cars throughout the lengths of the cars on each side thereof under the flanges and in such relation thereto that the flanges extend through the troughs, and a sealing agent in each trough into which the flanges project.

1,627,980. PARTITION END FOR FREIGHT CARS. ROBERT J. MAGOR, New York, N. Y., assignor to Magor Car Corporation, New York, N. Y., a Corporation of Delaware. Filed July 31, 1926. Serial No. 126,205. 8 Claims. (Cl. 105—376.)

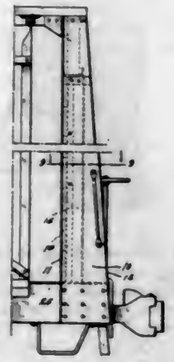
1. A partition end for freight cars comprising a metallic partition post including a pair of channel members centered relative to each other and secured together back to back, the inner channel member being of less width than the outer channel member, a pair of parallel partition boards extending from the partition post inwardly and transversely of the car, said partition boards having

their end edges abutting the rear face of the outer channel member and their inner sides adjacent said end edges engaging the outer faces of the flanges of the inner channel member and through bolts passed through



the partition boards, disposed adjacent to but spaced exteriorally of the inner channel member and acting to secure the partition boards to the partition post with the inner channel member clamped between the partition boards.

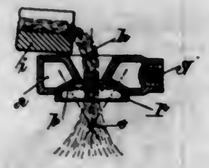
1,627,981. CORNER POST FOR FREIGHT CARS. ROBERT J. MAGOR, Montreal, Quebec, Canada, assignor to Magor Car Corporation, New York, N. Y., a Corporation of Delaware. Filed July 31, 1926. Serial No. 126,206. 9 Claims. (Cl. 105—380.)



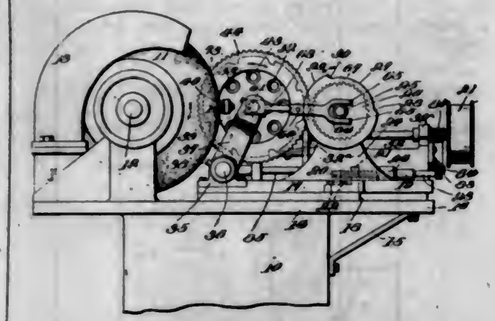
1. In a car, the combination of a flanged pressed plate corner post, an angle having one flange secured to the web portion thereof and extending lengthwise and vertically of the same, a vertically disposed end board extending transversely of the car and having an end thereof fitted in the seat between the post and the angle and bolts passed through the other flange of the angle and the end board adjacent the end thereof engaging the corner post.

1,627,982. METHOD AND MEANS FOR THE TREATMENT OF SLAGS BY FLUIDS UNDER PRESSURE. MARTIAL MAGUET, Le Teil, France, assignor to La Société Anonyme des Chaux et Ciments de Lafarge et du Teil, Le Viviers (Ardeche), France. Filed Oct. 6, 1923, Serial No. 666,975, and in France Oct. 26, 1922. 4 Claims. (Cl. 83—91.)

2. An apparatus for granulating molten slag, comprising an annular member, means for causing a solid stream of molten slag of substantially circular cross-section to fall freely through said member along the vertical axis thereof, said member having means adapted to direct streams of fluid on said stream of molten slag and converging on a point on the axis of said falling stream below said means, and means for conveying fluid under pressure to said fluid directing means.

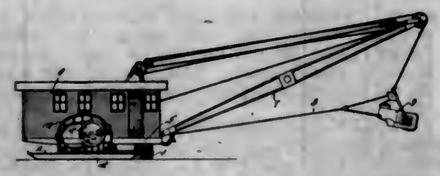


1,627,983. DEMOUNTABLE-DRILL-BIT GRINDER. JOSEPH MAICKEL, Butte, Mont. Filed Jan. 14, 1926. Serial No. 81,221. 24 Claims. (Cl. 51—108.)



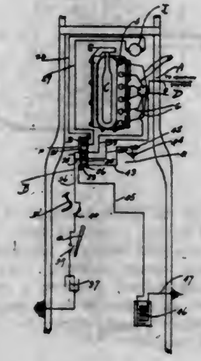
1. The combination with an abrasive wheel, a plurality of work holders, means to successively present said holders individually to the abrasive wheel at a predetermined angle and thereafter to remove the same and present another said holder thereto, said means serving further to later represent said first holder to the abrasive wheel at a different predetermined angle, and means to advance said holders toward the surface of the wheel when presented thereto to effect a dressing of the presented article.

1,627,984. TRACTION MACHINE. OSCAR J. MARTINSON, Chicago, Ill., assignor to Monighan Machine Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 24, 1925. Serial No. 25,567. 13 Claims. (Cl. 180—8.)



1. A mechanism of the class described, comprising a main supporting base, auxiliary bases located at the sides of said main supporting base, a horizontal shaft extending across said main supporting base and provided with toothless eccentric wheels at its ends engaging suitable coacting ways on said auxiliary bases, means for driving said shaft, said ways being in the form of elliptical openings with their major axes extending in the horizontal direction transversely of said shaft, and having minor axes substantially the same as the diameter of the said wheels.

1,627,985. ELECTRIC SPEED CONTROL FOR MOTOR VEHICLES. HENRY L. MASON, Asheville, N. C. Filed Mar. 29, 1920. Serial No. 369,681. 14 Claims. (Cl. 175—355.)



5. In an electric speed control device for motor vehicles, an internal combustion engine including an ignition system, a generator, means operatively connecting the generator with the internal combustion engine, an electric circuit for diverting partial flow of current of the ignition system from the engine, a relay interposed in the circuit including electromagnets, and a pivoted armature, means carried by the armature for closing the circuit when in engagement with the magnets, means for energizing the magnets from the generator, a tension spring connected to said armature, and means for regulating the tension of said spring.

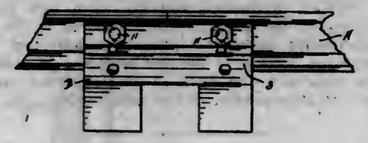
1,627,986. WALL CONSTRUCTION. JOHN MCKENZIE, Whangarei, Auckland, New Zealand. Filed Sept. 30, 1924, Serial No. 740,769, and in New Zealand Jan. 28, 1924. 1 Claim. (Cl. 72—38.)



In a wall, a double row of slabs, each slab consisting of a body and a pair of spaced vertical hook-like ribs extending therefrom towards the opposite slab, said ribs being spaced from the ends of the body, each rib hooked with one rib of an opposite slab, said hook like ribs of each slab extending in opposite directions and all the ribs being substantially parallel to each other.

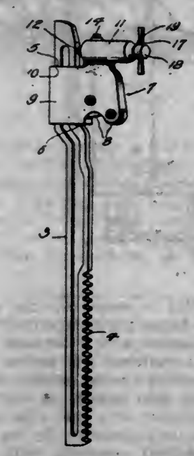
1,627,987. RAIL JOINER. JOHN MORELLO, Salt Lake City, Utah, assignor of one-half to Frank Scaglione, Salt Lake City, Utah. Filed Oct. 4, 1926. Serial No. 139,279. 1 Claim. (Cl. 238—198.)

In a rail joiner the combination of a base member having a vertically disposed rail engaging portion formed on one side thereof; a flange formed on the other side; a locking member adapted to be placed under the flange on said base; a hole through said base and a lug on said



locking member adapted to be placed in said hole in the base when said base and locking member are holding a rail.

1,627,988. CALENDER RACK. FRANK M. MORTON, Phoenix City, Ala. Filed Oct. 11, 1926. Serial No. 140,987. 4 Claims. (Cl. 19—162.)



1. A device of the class described comprising a rack, a lap pin bearing head having a longitudinally slidable connection with said rack, inter-engageable elements on the rack and head to operatively connect them and to normally prevent said head from sliding upon the rack, yieldable means to normally hold said elements in engagement, said means being releasable when abnormal pressure is applied to said head, manual means for stressing said yieldable means to place it in condition to function, and invariable means for limiting the movement of said stressing means, insuring that it shall impart no more than predetermined strength to said yieldable means.

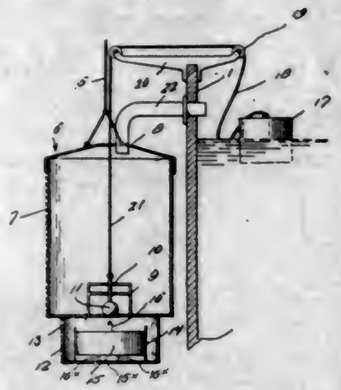
1,627,989. AUTOMATIC WINDSHIELD CLEANER. JOHN L. NILSON and JOHN F. PRINCE, Chicago, Ill. Filed Feb. 10, 1923. Serial No. 618,174. 4 Claims. (Cl. 121—120.)



1. Mechanism for actuating a windshield cleaner shaft, said mechanism embodying a cylinder and piston, a lever connected with said shaft and having two operating por-

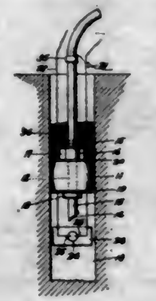
tions, a reciprocating member connected with the piston and having two oppositely inclined slots extending in the direction of the reciprocation of the member and arranged end to end, said slots being open at one end at their point of divergence, whereby when said member is reciprocated the said operating portions of the lever will alternately enter the respective individual slots, the said open portion of the slot operating to cause the lever to rock back and forth at predetermined times in the cycle of reciprocation of the said member.

1,627,990. AUTOMATIC CONTROL FOR WINDMILLS. PATRICK J. NOLAN, Alliance, Nebr. Filed Sept. 15, 1925. Serial No. 56,497. 1 Claim. (Cl. 137—68.)



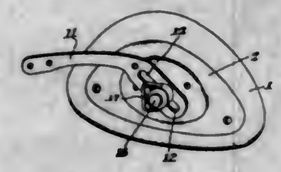
The combination in means for the purpose described, of a hollow container provided at its top with an opening and at its bottom with a discharge opening and also provided with a guide on said bottom, a ball valve cooperable with said discharge opening and having an upwardly extending stem movable in said guide, an operating member connected with said stem and extending upwardly through the opening in the top of the container, a suspension element connected with said top, a cup connected with and pendent from the bottom of said container and provided with a drain hole, a float guided for vertical rectilinear movement in said cup, and a pin extending upwardly from said float and adapted following rising of the float to hold the ball valve off its seat.

1,627,991. BLASTING. WILLIAM O. OWEN, Washington, D. C. Filed June 28, 1924. Serial No. 722,982. Renewed Sept. 27, 1926. 3 Claims. (Cl. 102—5.)



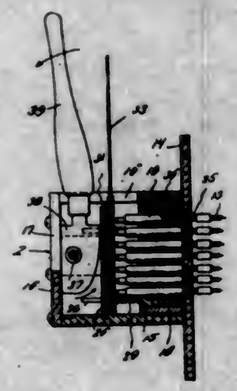
1. A process of blasting which comprises introducing into a plugged hole in a substantially impervious formation, an unconfined mixture of oxygen-containing gas and hydrocarbon fuel, under substantial super-atmospheric pressure, all without any cartridge for holding the same, and igniting the mixture by an electric spark.

1,627,992. TRUSS PAD. ISAAC M. PEASE, Cincinnati, Ohio. Filed Sept. 20, 1926. Serial No. 136,562. 3 Claims. (Cl. 128—112.)



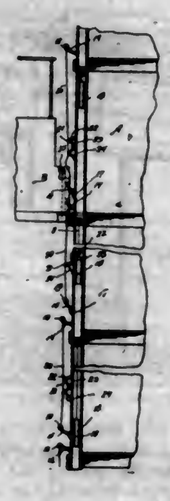
1. In a device of the class described, a truss pad provided with a hub having a smooth bore, a standard rotatable in the bore and slidable longitudinally in the bore, the standard being provided with a circumferentially spaced longitudinal grooves, a clamping device movable in the hub and adapted to be engaged in any of the grooves, a support, and means for assembling the standard with the support.

1,627,993. ELECTRIC SIGN. JOHN PEDERSEN, St. Louis, Mo. Filed Feb. 27, 1926. Serial No. 91,166. 2 Claims. (Cl. 200—46.)



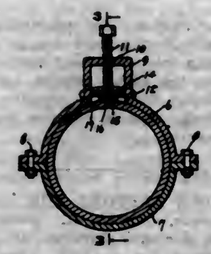
1. In circuit controlling means for an electric sign, comprising a base plate, a casing mounted on said base plate, a block member mounted in said casing against said base plate, a plurality of resilient contact members mounted in said base plate in predetermined relation, guide rods mounted in said block member and projecting in spaced parallel relation within said casing, a movable switch member mounted on said guide rods, a slide holder carried by said movable switch member, a pattern plate movably mounted in said slide holder and movable with said movable switch member adapted to control the engagement of said switch member with said resilient contacts, means on said guide rods for normally holding said movable switch member away from said resilient contacts, and manually operable means movable in said casing adapted to move said movable switch member into engagement with certain of said resilient contacts.

1,627,994. GATE MECHANISM FOR FREIGHT-ELEVATOR HATCHWAYS. JOHN PEDERSEN, St. Louis, Mo. Filed Oct. 28, 1926. Serial No. 144,742. 4 Claims. (Cl. 187—59.)



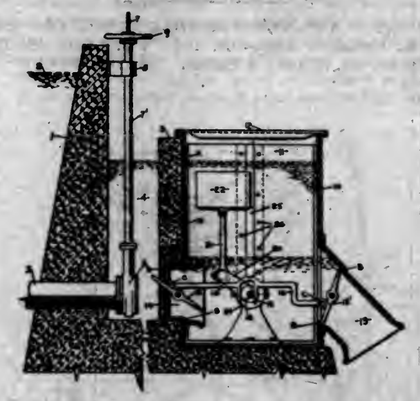
3. In a gate mechanism for freight elevator shafts, vertically slidable gate members for each floor landing of the shaft which gate members are of a height greater than one half the height of the particular floors of the building, means for automatically elevating the gate to closed position, means for locking the gates in closed position, elevator operable means for releasing the gates whereby they may be lowered when the elevator reaches a particular floor landing, means for partially releasing the next lower gate so that when the gate at the floor adjacent the elevator is lowered the same will contact the next lower gate and partially lower the same so as to permit of the full movement of the first mentioned gate to open position, means operable by the elevator at the particular landing for limiting the lowering of the next under gate, said means being further operable to prevent the entire lowering of said next under gate.

1,627,995. PIPE-SEALING DEVICE. WILLIAM J. PENDRY, Martinez, Calif. Filed Dec. 7, 1925. Serial No. 73,755. 2 Claims. (Cl. 137—80.)



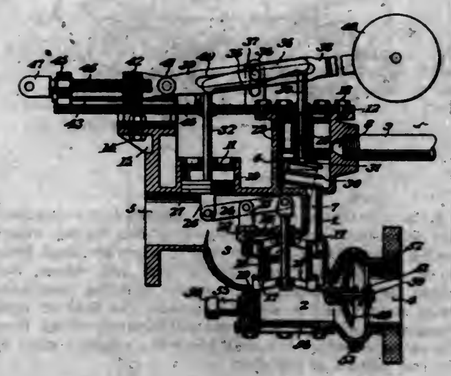
1. As a new article of manufacture, a leak sealer formed of soft metal comprising a body having a centrally disposed conical portion on one side and a skirt thereabout.

1,627,996. HYDRAULIC MOTOR. MARION F. PERKINS, Topeka, Kans. Filed Dec. 9, 1924. Serial No. 754,742. 4 Claims. (Cl. 253—18.)



1. In a hydraulic motor, a dam, a plurality of housings in axial alignment and paralleling said dam, a crank shaft positioned longitudinally in said housings, said shaft having a crank, a float and cam, supply and exhaust valves, a bar actuated by said cam, said bar adapted to open and close said valves alternately for receiving and discharging the water, substantially as shown and described.

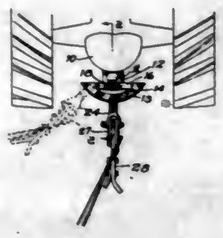
1,627,997. DUPLEX THROTTLE VALVE. FRANCIS NESBITT POIGNAND, Westfield, N. J., assignor, by mesne assignments, to Super-Gas Corporation, Wilmington, Del., a Corporation of Delaware. Filed Apr. 20, 1926. Serial No. 103,396. 10 Claims. (Cl. 50—10.)



1. A valve casing formed with an inlet chamber and an outlet chamber, the inlet chamber being provided with a low-pressure inlet and with a high-pressure inlet; a feed valve controlling communication between said two chambers; means operating to close the feed valve when a predetermined degree of fluid pressure is in the outlet chamber; a high-pressure valve controlling communication between the high-pressure inlet and the inlet chamber; and means to impose equal pressures on the feed

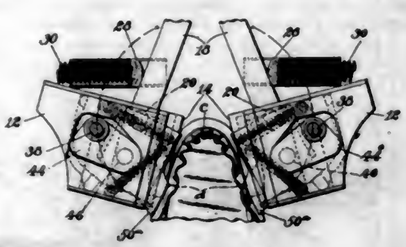
valve and on the high-pressure valve tending to open said valves, said pressure-imposing means opening the high-pressure valve and the feed valve when the pressures in the two chambers fall below the valve-opening pressure.

1,627,998. TRACTOR DRAWBAR COUPLING. CLOYD M. PORTER, Connersville, Ind. Filed Sept. 18, 1925. Serial No. 57,188. 3 Claims. (Cl. 280—33.44.)



1. A drawbar coupling comprising a segmental T section, a supporting web within the segmental section for keeping the T section rigid and adapted for attachment to a tractor, a yoke slidably mounted on the segmental section, and stop means secured to said segmental section for determining the travel of the yoke.

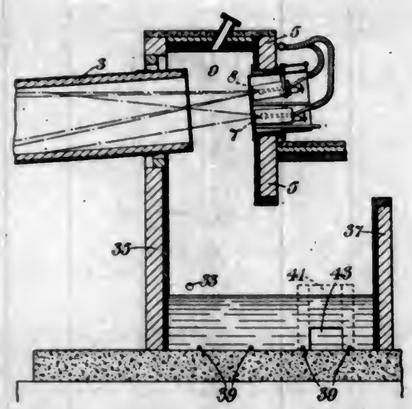
1,627,999. LASTING MACHINE. CHARLES F. PTM, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 20, 1924. Serial No. 700,719. 31 Claims. (Cl. 12—14.)



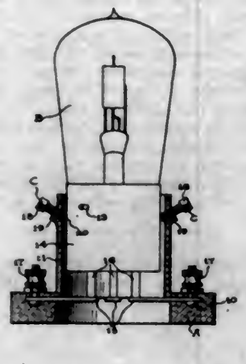
1. In a machine of the class described, the combination with shoe positioning means, of end lasting wipers having substantially straight wiping edges to adapt them to operate on shoes of different sizes and shapes, and means for imparting to said wipers swinging movement about an end of the shoe to transfer the field of their engagement with the upper materials progressively from the extreme end of the shoe along the opposite sides of the end portion of the shoe.

1,628,000. PROCESS FOR THE MANUFACTURE OF CEMENT. THOMAS RIGBY, London, England. Original application filed July 20, 1925, Serial No. 44,865, and in Great Britain July 28, 1924. Divided and this application filed Nov. 28, 1925. Serial No. 71,923. 1 Claim. (Cl. 222—7.)

In a wet process of making cement in a heated rotary kiln having a head at the gas exit end thereof and a chamber immediately beneath and in communication with said gas exit end, the step of immediately passing the hot gases, carrying solid particles from the kiln, upon their exit therefrom, over a body of slurry in said chamber, whereby the heaviest particles of any material swept out of the kiln fall by gravity and are entrained by the slurry in said chamber in the kiln head.



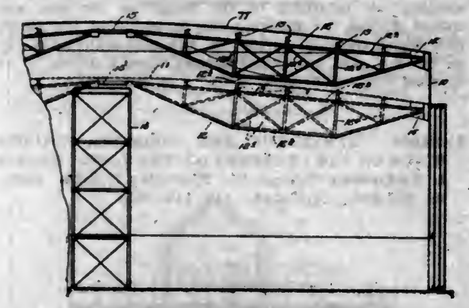
1,628,001. VACUUM-TUBE SOCKET. RAYMOND SCHUR, Chicago, Ill. Filed Jan. 21, 1924. Serial No. 687,569. 4 Claims. (Cl. 173—328.)



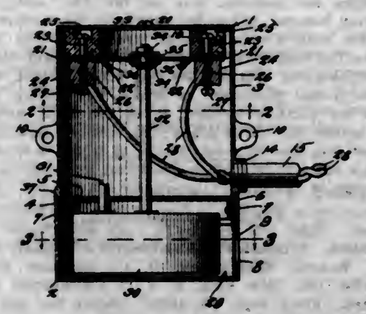
1. A socket for audion tubes comprising a base and a socket portion, individual contact members carried by the base and extending into the socket portion, and a member threaded into the socket portion and engaging the tube base for firmly forcing a plurality of conductors carried by the tube base in effective engagement with said contact members.

1,628,002. CROWN SUPPORT FOR GAS HOLDERS. AUBREY W. SEELS, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1925. Serial No. 60,059. 6 Claims. (Cl. 48—177.)

2. In a gas holder of the character described, having an inner bell with a crown, a crown support comprising; a plurality of radial trusses arranged beneath the crown of the inner bell, having their outer ends connected to said bell, their inner ends somewhat higher than the outer ends and joined together to form a self-supporting arch construction, said trusses not being directly connected to said crown; and a centrally arranged tower in said gas holder adapted to support the inner ends of said trusses when the gas holder is deflated whereby said trusses will then support said crown.



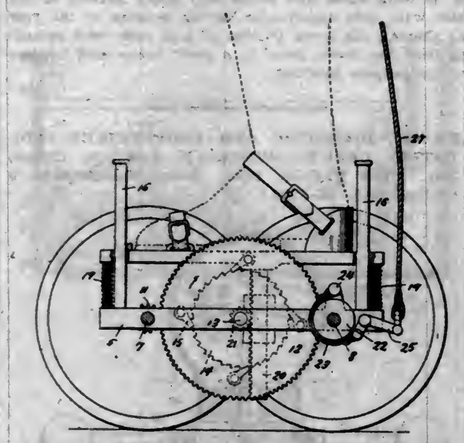
1,628,003. FLOAT-OPERATED SWITCH. EARLY BARNETT SMITH, Tampa, Fla. Filed Feb. 7, 1922. Serial No. 534,830. 1 Claim. (Cl. 200—84.)



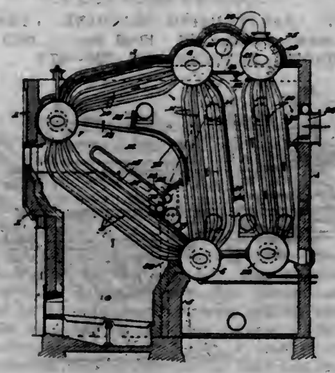
An electric switch comprising contact members having their inner ends spaced apart, a bridge cooperating with the inner ends of the contact members, means for moving the bridge into and out of engagement with the inner ends of the contact members, an annular bracket and means for mounting the bracket in fixed position, the bridge operating within the annular bracket, oppositely disposed retaining blocks having openings for the reception of conductors, the outer ends of the contact members being received between the bracket and the blocks, screws passing through the bracket and the outer ends of the contact members and threaded in to the blocks to bind the outer ends of the contact members between the bracket and the blocks, the screws projecting into the openings of the blocks, and other screws threaded into the blocks in alinement with the first-specified screws, said other screws entering the openings of the blocks and serving to bind conductors against those portions of the first-specified screws which project into the openings.

1,628,004. SKATING DEVICE. JOHN STETSON, San Francisco, Calif. Filed June 29, 1926. Serial No. 119,368. 1 Claim. (Cl. 208—174.)

In a skating device of the class described, a frame, front and rear axles journaled transversely thereon, ground engaging propelling wheels supported on the axles, a shaft journaled transversely on the intermediate portions of the frames, pairs of aligned spur gears keyed on the axles, a pair of driving gears loosely mounted on the intermediate shaft and adapted for engagement with the respective pairs of aligned spur gears, posts extending upwardly from the forward and rear end portions of the frame, a foot resting plate arranged above the frame and adapted for vertical sliding movement, apertured lugs at the forward and rear ends of the plate through which said posts extends, expansible coil springs interposed between the frame and the foot resting plate for normally maintaining the latter in a raised position but to permit the same to be forced downwardly when the weight of the skater is placed thereon, a pinion keyed on the intermediate shaft, a vertical rack bar secured at its upper end to the bottom of the foot resting plate and adapted for engagement with the pinion for rotating the intermediate shaft, ratchet wheels keyed on the intermediate shaft adjacent the respective driving gears, and cooperating pawls pivotally mounted on the driving gears and engaging the respective ratchet wheels for effecting the actuation of the driving gears and a simultaneous operation of the ground engaging propelling wheels in one direction.



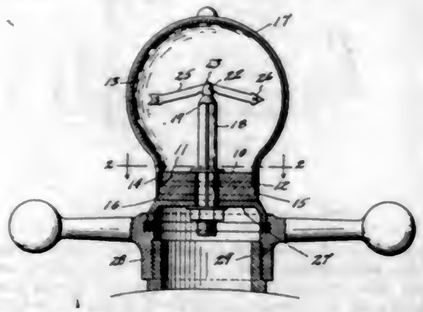
1,628,005. WATER-TUBE BOILER. FREDERICK C. STIMMEL, Chattanooga, Tenn., assignor to The Casey-Hedges Co., Chattanooga, Tenn., a Corporation of Ohio. Filed Sept. 14, 1923. Serial No. 662,629. 1 Claim. (Cl. 122—302.)



A boiler of the character described having a lower drum, two upper drums, and three sets of water-tubes extending between said drums and arranged in triangular

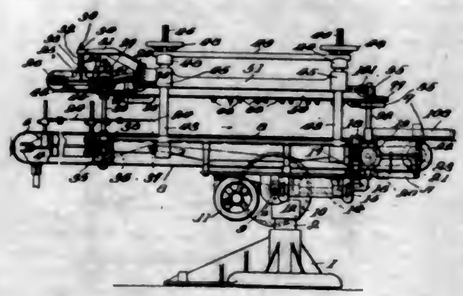
formation, additional water-tubes extending from the lower drum to the front one of the upper drums through the central portion of the triangular space formed between said three sets of tubes, said additional water-tubes being bent intermediate of ther ends and having upwardly and forwardly inclined portions below their bends, a baffle wall extending from the lower drum to a point beyond the bends in said tubes and having its upper portion supported on said additional water-tubes, an upwardly extending ridge on said baffle wall near its front edge, and a superheater arranged above the lower set of water-tubes and below said upper portion of the baffle wall, said superheater having headers at the rear end thereof, the lower portion of said baffle wall extending from the lower drum to a point below said headers for the purpose specified.

1,628,006. DIRECTION AND TEMPERATURE INDICATING DEVICE. CARROLL E. SWENSON, Clifton, Tex. Filed May 17, 1926. Serial No. 109,457. 9 Claims. (Cl. 33—222.)



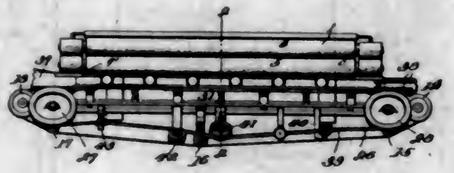
1. In A device of the character described, an upright housing having transparent sides and a top, a mounting for the housing, a supporting member extending upwardly in the housing, a bearing upon the upper end of the supporting member, a magnetic needle having a hub, the hub being rotatably mounted on the bearing and having a depending portion surrounding said bearing for confining it thereon, a fastener depending from the top of housing and having a member on its lower end for engaging the hub of the needle, and means over the top of the housing connected to the fastener for moving it vertically in the housing.

1,628,007. JAR-CLOSING MACHINE. THOMAS L. TALIAFERRO, Chicago, Ill. Filed Dec. 1, 1923. Serial No. 678,032. 30 Claims. (Cl. 226—87.)



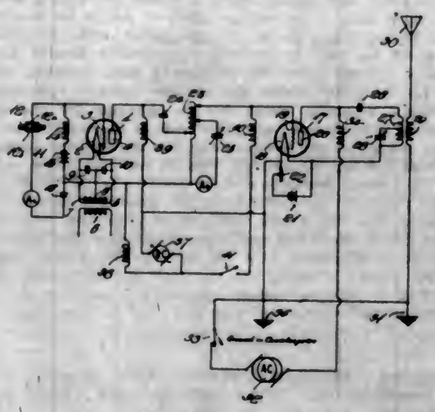
1. A jar closing machine having in combination, means for turning the flange of the jar cap underneath the ledge on the jar, means for conveying the jar with the cap resting thereon through the machine with the cap in rolling contact with the flange turning means, said flange turning means including spaced devices between which the flanged edge of the cap passes for positively starting the inturning of the flange on the cap, and spaced devices for finishing the inturning of the flange underneath the ledge of the jar, and thus sealing the cap on the jar, said last-named devices being mounted so as to yield relative to each other.

1,628,008. APPARATUS FOR FORMING SEALING RINGS ON JAR CLOSURES OR THE LIKE. THOMAS L. TALIAFERRO, Chicago, Ill. Filed May 7, 1924. Serial No. 711,698. 22 Claims. (Cl. 113—80.)



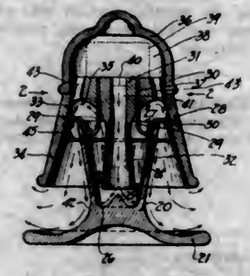
1. An apparatus for applying a plastic sealing material to disks for covering jars or the like, comprising a rotating member, means for supplying the surface of said member with a thin uniform layer of sealing material, means for supporting the disks so that said disks may be rolled along said member one after another with the edges thereof positioned to scrape the sealing material from the rotating member on to the disks, and means for rolling the disks along the member including two cooperating traveling devices one of which is arranged to engage the side face of the disk and the other to engage the edge of the disk.

1,628,009. SIGNAL-TRANSMISSION SYSTEM. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1926. Serial No. 136,701. 5 Claims. (Cl. 250—17.)



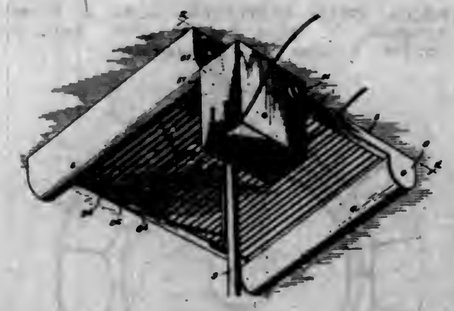
1. In a signal transmission system an electron tube oscillator, an electron tube amplification system having its input circuit connectd to the output circuit of said oscillator and a high potential source for impressing a positive potential upon the output circuit of said oscillator and a negative potential upon the input circuit of said power amplifier.

1,628,010. SOUND AMPLIFIER. CHARLES W. TAYLOR, Salt Lake City, Utah, assignor to Emilius C. F. Hartmann and David Neff, Salt Lake City, Utah. Filed Apr. 22, 1925. Serial No. 25,065. 5 Claims. (Cl. 181—27.)



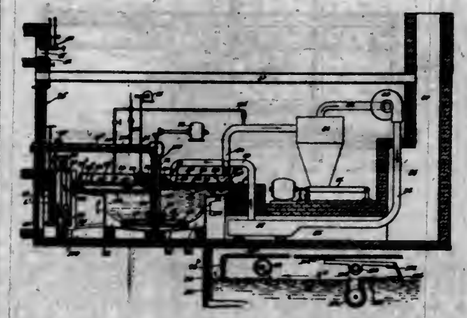
1. A sound amplifier comprising a plurality of hollow bodies of gradually increasing sizes relatively to each other, placed one within the other in alternating reverse order and spaced apart from each other to define a circuitous passage for sound waves, and flexible connections between successive ones of the said bodies.

1,628,011. CLOSURE MEMBER. LEWIS R. TOMPKINS, Atlantic City, N. J., assignor of one-half to George H. Shea, Quarryville, Pa. Filed Feb. 20, 1926. Serial No. 10,698. 10 Claims. (Cl. 268—11.)



1. In a device of the character described, a closure member having a bias toward open position, a motor to close said member, connecting means between said member and said motor, said connecting means being normally locked against movement to retain said closure member in closed position, and combined means for unlocking a portion of said connecting means to permit said closure member to open and for closing a circuit to said motor; said combined means being operable by said motor for connecting said closure member to said motor after a predetermined length of time to close said closure member.

1,628,012. PROCESS AND APPARATUS FOR METALLIZING ORES. HARMON N. TRACY, Los Angeles, Calif. Filed May 29, 1923. Serial No. 642,164. 22 Claims. (Cl. 75—17.)



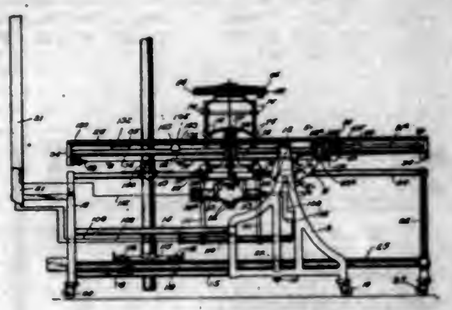
1. A process for extracting metal from ores that includes forcibly throwing metal carrying ore in finely divided form, and with its particles relatively widely dispersed, into a body of metal absorbing liquid at a point below its surface, and maintaining a non-oxidizing atmosphere on the ore and on the liquid surface at the place of entry of the ore into the liquid.

1,628,013. REVOLVING TRAY FOR DINING TABLES. MANDIUS B. TWEDT, Portland, Oreg. Filed Jan. 14, 1924. Serial No. 686,208. 2 Claims. (Cl. 45—26.)



1. In a revolving tray, the combination with a base portion having a smooth upper surface, and a tray portion having a smooth lower surface; of means for rotatably supporting the tray portion above the base portion, comprising an axially disposed pivot means rotatably connecting and supporting the tray portion in spaced relation above the base portion, a triangular shaped roller carrier formed of sheet metal, revoluble upon the pivot means between the base and tray portions and having portions cut from each edge thereof adjacent each point of the carrier and forming radially extending stub shafts each having shoulders formed at its inner end, a roller mounted upon each of said shafts and engaging the confronting faces of the base and tray portions for rotatably supporting the tray member in parallel spaced relation above the base portion, and means for preventing movement of the rollers off of said shafts.

1,628,014. X-RAY APPARATUS. JULIUS B. WANTZ, Chicago, Ill., assignor to Victor X-Ray Corporation, Chicago, Ill., a Corporation of New York. Filed Feb. 11, 1922. Serial No. 535,742. 37 Claims. (Cl. 250—34.)

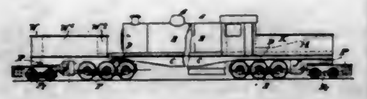


1. In an X-ray photographic and fluoroscopic table comprising a stand, a patient's support having a transverse pivotal mounting in said stand, a fluorescent screen on the upper side of said support and movable therealong, and a tube-supporting member and tube at the opposite and under side of said support and adapted to be moved lengthwise thereof, said tube-supporting member having a tiltable tube holding portion adapting said tube and tube holding portion to adjustment angularly to said patient's support and to said screen.

1,628,015. WASHING COMPOUND. SAMUEL I. WELSHER, New York, N. Y., assignor, by mesne assignments, to Frank A. Bower, Bayside, N. Y. Filed May 8, 1923. Serial No. 637,572. Renewed Nov. 19, 1925. 5 Claims. (Cl. 87—5.)

1. A laundry washing compound composed of material adapted to be poured from its package into the washing water in loose granular form and including a major proportion of a solid oxygen bearing sterilizing and bleaching salt and anhydrous soap thoroughly mixed with said sterilizing and bleaching salt, said anhydrous soap being dehydrated to a high degree so that it is in crumpled flake form.

1,628,016. STEAM LOCOMOTIVE. ROBERT HARBEN WHITELEGG, Manchester, England. Filed Apr. 29, 1926, Serial No. 105,521, and in Great Britain Apr. 17, 1925. 4 Claims. (Cl. 105—175.)



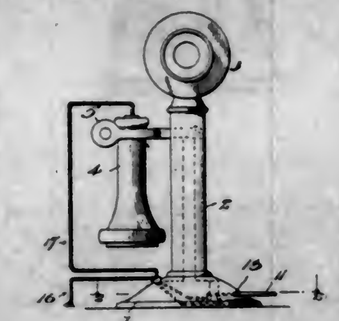
1. An articulated locomotive comprising a boiler unit carrying tanks and having a carrier frame provided with a bogie pivot center at each end beyond the boiler, a power unit and a power driven group of driving wheels, the power unit being provided with tanks arranged beyond the end of the boiler unit and connected to one of the pivot centers of the carrier frame while the other pivot center of the carrier frame is connected to the power driven group of wheels, said power driven group of wheels being provided with an additional power driven group of wheels flexibly pivoted thereto.

1,628,017. TAPPET. MERRILL M. WILCOX, Saginaw, Mich.; A. Elwood Snow, administrator of said Merrill M. Wilcox, deceased, assignor, by mesne assignments, to Wilcox Products Corporation, Saginaw, Mich., a Corporation of Michigan. Filed July 21, 1924. Serial No. 727,338. 1 Claim. (Cl. 123—90.)



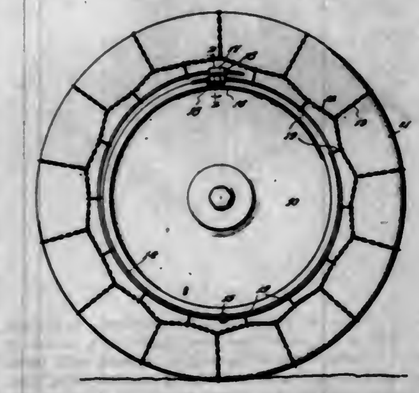
In a tappet having a shank and a platform cast integral and having the working face of said platform hardened by chilling, a raised reinforcing member cast integral with the platform.

1,628,018. TELEPHONE SWITCH. COOPER WHITFIELD WILKERSON, Birmingham, Ala. Filed Aug. 21, 1925. Serial No. 53,573. 1 Claim. (Cl. 179—158.)



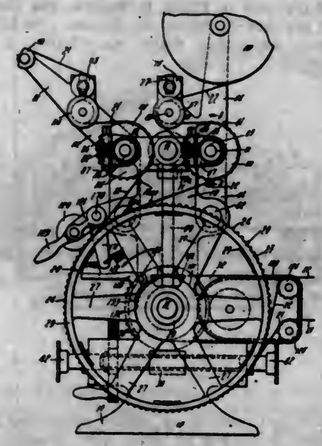
The combination with a slotted hollow telephone base and an insulating base block therein, of a plurality of spaced pairs of arcuate conductor plates supported in said block, a laterally movable switch lever pivoted intermediate said pairs of plates with its free end projecting through the slotted base, and spaced contact pins on said lever for selective co-action with said spaced pairs of plates.

1,628,019. CHAIN TIGHTENER. ROBERT N. WILSON, Colegrove, Pa. Filed Dec. 28, 1926. Serial No. 157,586. 2 Claims. (Cl. 152—14.)



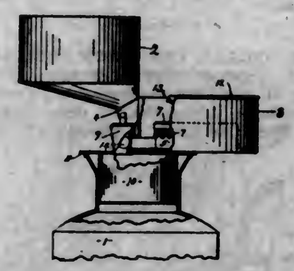
1. In a tire chain tightener, the combination of a rigid side member, and tire chain engaging elements loosely mounted on said member for free rocking movement in the plane of said member, said member being of a stiffness to sustain outward pulling stress of a tire chain on said elements and distribute such stress lineally of said member without elongation thereof and distortion of the shape of said member, and means for adjustably contracting said member with the ends thereof in overlapping relation.

1,628,020. COLORING MACHINE. ALVIN WYCKOFF, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1919. Serial No. 334,623. 23 Claims. (Cl. 271—2.8.)



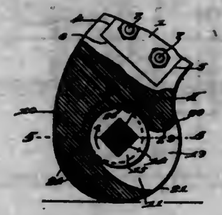
1. In a machine of the character described, a revolving drum adapted to carry a film, and yielding means for placing the film under tension as it is fed to the drum, said means comprising a roller over which the film passes, drive means for the drum and roller, and a yielding connection between the drive means and the roller.

1,628,021. MILK STRAINER. FERDINAND J. ZIEGLER, Topeka, Kans. Filed Dec. 26, 1925. Serial No. 77,737. 2 Claims. (Cl. 210—157.)



1. In a milk strainer, a flanged spout having a reservoir connected thereto and extending to one side so that one side of the wall is in vertical alignment with the axis of the spout, a funnel positioned above the reservoir having a spout in vertical alignment with one side thereof as connecting means for said funnel and reservoir and being so connected and extending in opposite directions to counter-balance on the diametrical axis of the spout, an annular wall concentrically positioned within the reservoir, the top thereof being spaced from the top of the reservoir, a woven fabric strainer to cover the top of said annular wall and held firmly thereto by a removable ring, a duct connecting the spout with the bottom of the annular wall, a rotary valve positioned on the flanged spout adjacent the reservoir and connected thereto by a hollow necked member, the said valve communicating with the flanged spout, all as, and for the purpose described.

1,628,022. UNDERGROUND BEARING. ANDREW E. BERGLOFF, Cheney, Wash., assignor to Wolfe Improved Rotary Rod Weeder, Cheney, Wash., a Corporation of Washington. Filed Nov. 27, 1926. Serial No. 151,219. 8 Claims. (Cl. 97—42.)



1. In an under-ground weeder rod bearing, a shoe, horizontally converged to form a vertically disposed prow-edge, said shoe having a gearing ring cavity within its side walls and said side walls having alined openings for projection therethrough of a weeder rod, a bearing ring peripherally mounted to rotate in said cavity and having a rod journalling opening for supporting said rod free from engagement with said shoe.

1,628,023. BACK BRUSH. JOHN J. ADKINS, Southport, N. C. Filed Nov. 6, 1926. Serial No. 146,737. 3 Claims. (Cl. 15—222.)



1. A brush comprising a plurality of flexible fibrous strands twisted together to form a body, and fibrous material inserted between said strands in the intermediate portion of said body, substantially as set forth.

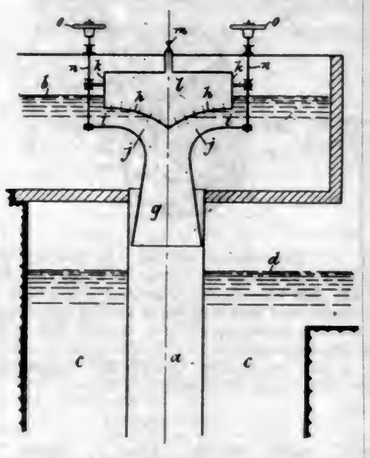
1,628,024. CYLINDER COCK. JAMES G. BLUNT, Schenectady, N. Y. Filed Mar. 13, 1925. Serial No. 15,400. 6 Claims. (Cl. 121—134.)



1. In a cylinder cock structure for steam locomotives, an elongated casing having a steam inlet port in its side wall, a differential piston device mounted in the casing for movement longitudinally thereof, hollow cylindrical seats for the pistons of said differential piston device, the seat for the smaller piston being provided in its side wall with a discharge port adapted to be covered and uncovered by the movement of the piston, said steam inlet port in the casing being located be-

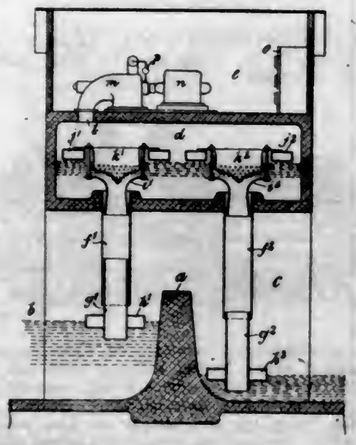
tween the pistons whereby steam pressure will act on the larger piston to move the smaller piston to port closing position, and spring means acting against the outer end of the larger piston to move the smaller piston to discharge port uncovering position upon the fall of steam pressure between the pistons.

1,628,025. HYDRAULIC AIR-COMPRESSION PLANT. JENS ORTEN BOVING, Westminster, London, England. 1, 1925, Serial No. 53,812, and in Great Britain Sept. 8, 1924. 4 Claims. (Cl. 230—13.)



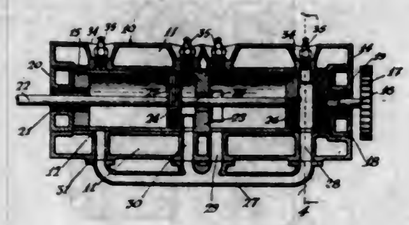
1. In a hydraulic air compression plant wherein down-flowing water inspires air, a downcast shaft, an upcast shaft, a water inlet pipe of Venturi section on said downcast shaft, and a perforated cover plate externally exposed to air on said inlet pipe.

1,628,026. HYDRAULIC AIR-INSPIRING PLANT. JENS ORTEN BOVING, Westminster, London, England. Filed May 4, 1926, Serial No. 106,603, and in Great Britain June 2, 1925. 10 Claims. (Cl. 230—15.)



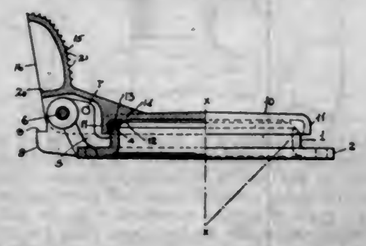
1. A tidal energy utilization plant consisting of a shaft leading from water in a dammed-in basin, a shaft leading from water in a tidal region, a closed chamber to which air is admitted under control interconnecting the upper ends of said two shafts, means above each of said shafts for inspiring air from above and in contact with the water in said chamber by water descending said shafts, and means for maintaining the lower ends of both of said shafts close beneath the respective water level in said dammed-in basin and in said tidal region.

1,628,027. INTERNAL-COMBUSTION ENGINE. GEORGE E. BURSON, Glendale, Calif., assignor of twelve and one-half per cent to Albert L. Burson, twelve and one-half per cent to Harvey W. Burson, twelve and one-half per cent to Frank B. Burson, and twelve and one-half per cent to Harold H. Burson, Glendale, Calif. Filed Nov. 24, 1925. Serial No. 71,107. 5 Claims. (Cl. 123—80.)



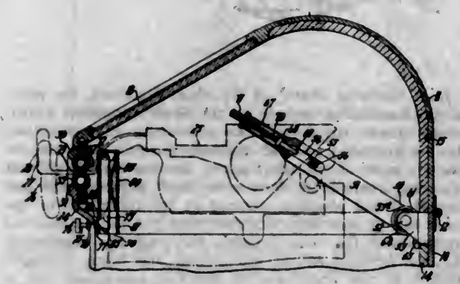
1. An internal combustion engine comprising a rotatable cylinder, a housing in which said cylinder is rotatable, means closing each end of the cylinder, means forming a partition centrally of the cylinder rotatable therewith, a piston rod extending through one end of the cylinder and through said partition, pistons on the piston rod on each side of the partition, there being ports formed in said cylinder on each side of the partition and adjacent each end, means providing an inlet port and an exhaust port adjacent each side of the partition adapted to be uncovered by the ports in the cylinder adjacent the partition, means providing an inlet and an exhaust port adjacent each end of the cylinder adapted to be uncovered by the ports in the cylinder adjacent its end, means for igniting the fuel in the cylinder upon each side of both of the pistons, and means for rotating the cylinder.

1,628,028. COLLAR AND COVER FOR TANK GAUGE HOLES. TRACY J. CALHOUN, Cleveland, Ohio, assignor to The Oil Conservation Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1925. Serial No. 8,734. 7 Claims. (Cl. 220—24.)



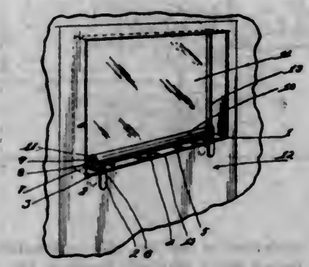
1. In a cover for tank holes, the combination of a collar adapted to be secured to the tank and having a beveled seating edge, a cover pivotally mounted on said collar and having a complementary beveled seating portion, one of said two beveled meeting seats being curved to give a line contact, said pivotal connection being loose so as to allow said cover to center itself in seating position.

1,628,029. TYPEWRITING MACHINE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Continuation of application Serial No. 559,693, filed May 10, 1922. This application filed Mar. 31, 1924. Serial No. 703,090. 10 Claims. (Cl. 220—35.)



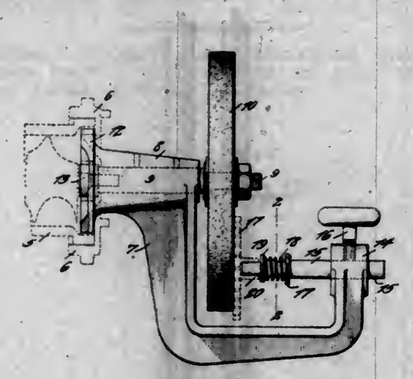
1. A sound-deadening casing for a typewriting machine, comprising a body-part, a cover hinged thereto, and a device tending to open the cover; said opening device including an arm having a pin-and-slot engagement with the cover, a shaft on the casing-body, on which shaft the arm is pivoted, a clutch on the arm, a collar slidable and revoluble on the shaft, a clutch on the collar, and a coil spring anchored at one end to the casing and engaging and bearing upon the collar at its other end to cause the clutch on the collar to engage the clutch on the arm to cause the arm to swing on the shaft.

1,628,030. ROLLER ARM REST. HARRY CATLETT, Los Angeles, Calif., assignor of one-half to Albert N. Scare, Los Angeles, Calif. Filed Apr. 20, 1926. Serial No. 103,251. 3 Claims. (Cl. 155—198.)



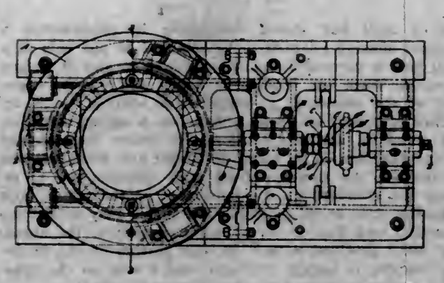
1. An arm rest comprising in combination a pair of brackets having depending arms adapted to engage wall surfaces of a vehicle, the top of the bracket being adapted to be supported on a horizontal surface, a band secured to the brackets and having upturned ears, and a roller journaled in said ears.

1,628,031. SHARPENER FOR GRINDER KNIVES. EMIL G. CHERMAK and FRANK S. PRITZL, Manitowoc, Wis. Filed Oct. 28, 1926. Serial No. 144,836. 4 Claims. (Cl. 51—247.)



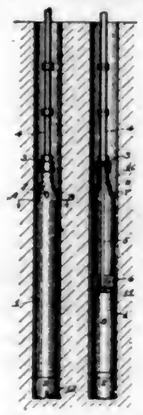
1. In a sharpener for grinder knives, a bearing having a flange adapted to be clamped on a grinder, a shaft rotatable in the bearing and having connection with the shaft of a feed worm of a grinder, an abrading wheel on the outer end of the shaft, a bracket formed as a part of the bearing, said bracket having an angularly disposed apertured boss, a rod adjustable therein, the inner end of the said rod being in proximity to the abrading wheel and adapted to rotatably support a grinding disk, and means for urging the disk into engagement with the abrading wheel.

1,628,032. ROTARY DRILLING MACHINE OF WELL-BORING APPARATUS. JAMES CHILDS, Barrow-in-Furness, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed July 15, 1924, Serial No. 726,110, and in Great Britain Sept. 1, 1923. 4 Claims. (Cl. 255—23.)



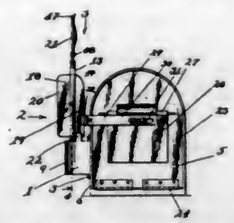
1. In a rotary well drilling machine having a turntable and a shaft for driving said turntable the combination with said shaft of a locking collar loosely mounted thereon, a pawl adapted to engage with said collar to prevent rotation thereof, and a device secured to said shaft for impositively connecting said collar to said shaft to yieldably lock said shaft against rotation when said pawl is in engagement with said collar, whereby if said machine is started while said shaft is yieldably locked, said device will slip and permit said shaft to rotate said turntable.

1,628,033. DRILLING APPARATUS. FRANCIS FALCONER DAVIS, Mount Vernon, Ohio, assignor to Francis Harley Davis, Monterey, Calif. Filed June 12, 1923. Serial No. 644,912. 13 Claims. (Cl. 255—72.)



1. In a calyx drill apparatus of the kind described, an elongated tubular structure comprising a drill element and a calyx element means for carrying fluid through the calyx and a bulkhead adapted to close the bottom end of the calyx, the said bulkhead composed of substance that will swell when wet, as wood.

1,628,034. ATTACHMENT FOR MAIL BOXES. JOHN R. DE MIER, Los Angeles, Calif. Filed Feb. 11, 1926. Serial No. 87,567. 4 Claims. (Cl. 232—35.)



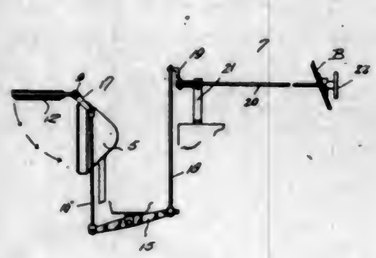
1. A mail box signal comprising in combination a vertical housing adapted to be attached to one side of a mail box, a vertical standard journaled in and extending upwardly from the housing, a signal flag on the upper end of the standard, a trigger arm adapted to be attached to a door or lid of a mail box, a spring coiled on the standard, normally tensioned to rotate the standard in one direction on its axis, the trigger arm being adapted to restrain the standard from such rotation and to release the standard on the movement of the trigger arm with the door or lid, whereby the spring may rotate the standard and flag to one signalling position, the standard being provided with a fin, one portion of the fin being adapted to engage a trigger, and a stop on the housing adapted to engage another portion of the fin.

1,628,035. PROCESS OF SPROUTING BUDS AND PLANTS. FRANK EARL DENNY, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y., a Corporation of New York. Filed July 14, 1926. Serial No. 122,506. 8 Claims. (Cl. 47—58.)

1. The method of treating buds prior to planting which consists in contacting them with a halogen derivative of ethylene.

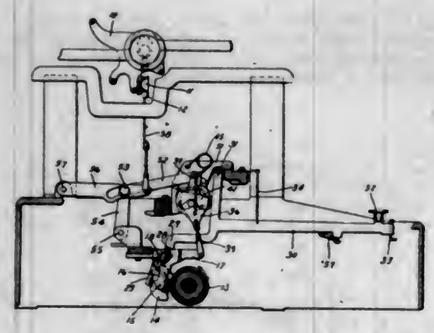
7. The method of treating potatoes prior to planting which consists in immersing them in a solution of ethylene chlorhydrin.

1,628,036. VEHICLE HEADLIGHT-DIMMING DEVICE. PATRICK DOHERTY, Gary, Ind. Filed Feb. 13, 1926. Serial No. 88,099. 1 Claim. (Cl. 240—45.6.)



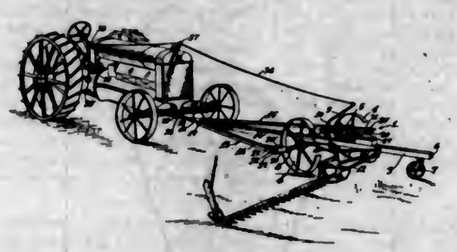
In a dimming device of the class described, for automobile headlights, an oscillatory shaft supported transversely across the front of an automobile radiator above the headlights, a pair of dimmers secured upon the respective ends of the shaft above the headlights, an arm extending rearwardly from said shaft adjacent one end thereof, a rod pivotally secured at its upper end to the inner end of siad arm, a rocker arm pivotally supported intermediate its ends beneath the radiator supporting bar, the forward end of said rocker arm being pivotally secured to the lower end of the last mentioned rod, a horizontal shaft arranged rearwardly of the aforementioned transverse shaft, the forward end thereof terminating in a crank, a connection between the rear end of the rocker arm and said crank portion, and an actuating handle secured on the inner end of the horizontal shaft for rotating the same in order that said dimmers may be moved into or out of position in front of the headlights.

1,628,037. POWER MECHANISM. FARNUM F. DORSEY, Rochester, N. Y., assignor to North East Appliances Inc. Rochester, N. Y., a Corporation of New York. Filed July 31, 1925. Serial No. 47,379. 3 Claims. (Cl. 197—73.)



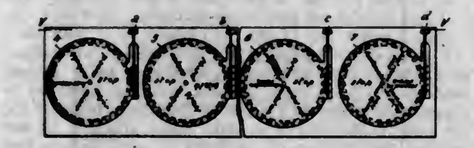
2. In a typewriter or the like, the combination, with a part to be moved and a manually operable key, of power mechanism, for moving said part, comprising: a constantly moving power-member; a driven member cooperable with said power-member, normally disengaged therefrom, but operable, under control of said key, to engage and be moved by the power-member; and mechanism, interposed between said driven member and said part to be moved, constructed and arranged to cause successive similar movements of the driven member to produce successive opposite movements of said part.

1,628,038. TRACTOR PUSH DRIVE FOR MOWING MACHINES, BINDERS, HEADERS, HARVESTERS, OR THE LIKE. LAWRENCE P. DRAPER, Mesa, Ariz. Filed Sept. 7, 1926. Serial No. 133,856. 20 Claims. (Cl. 280—33.18.)



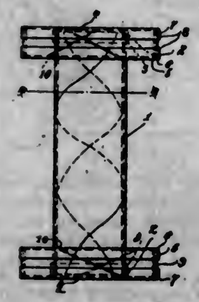
1. A tractor push drive for implements comprising in combination a pusher attachment, means to pivotally connect same to an implement having supporting wheels, the pivotal connection having horizontal pivots to the implement, and a fixed vertical pivot to the tractor.

1,628,039. MUSICAL APPLIANCE. CARLO FANELLA, Rome, Italy. Filed Mar. 24, 1925, Serial No. 17,887, and in Italy Mar. 27, 1924. 6 Claims. (Cl. 84—470.)



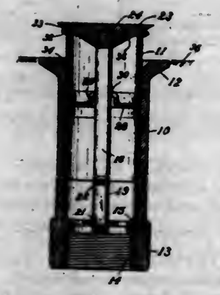
1. In a musical synoptical table and indicator serving to point clef, tonics, major or minor, for assisting in the performance of exercises, the combination of a plurality of independently rotatable discs having legends thereon pertaining to tones, intervals of all the scales, inversions of arpeggios, and spaced superimposed casing members embracing the discs and provided with openings through which the legends on the discs may be seen, the face of the casing having a series of musical staffs indicating the sharps and flats with the notes of the corresponding tonics.

1,628,040. PAPER SPOOL. BERNARD E. FRANKE, Catonsville, Md. Filed Aug. 21, 1926. Serial No. 130,589. 8 Claims. (Cl. 242—119.)



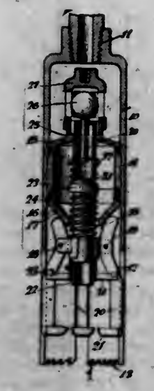
1. A spool including a barrel and heads, the latter being formed with inner and outer spaced walls, said barrel extending through the inner walls and being affixed to the outer walls, said inner walls being constructed to yield under endwise pressure of the material wound upon said spool, relieving the joints between said barrel and outer heads of excessive strain.

1,628,041. AUTOMATIC LAWN SPRINKLER. RAY F. FRYE, Cleveland, Ohio. Filed May 28, 1924. Serial No. 716,364. 9 Claims. (Cl. 299—61.)



1. A lawn sprinkler comprising a body portion, a spraying device mounted for reciprocation in said body portion, means for automatically raising the spraying device above the body portion, said means operating to automatically adjust the volume of water emitted from said spraying device.

1,628,042. FISHING TOOL. PAUL G. GATES, Long Beach, Calif. Filed Mar. 4, 1926. Serial No. 92,210. 9 Claims. (Cl. 294—116.)

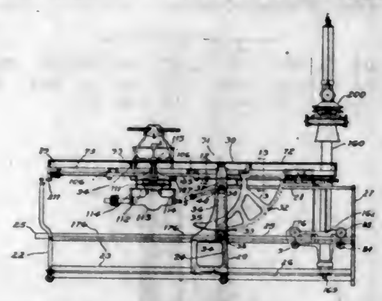


1. A fishing tool comprising a body, fish engaging members pivotally mounted upon said body, and hydraulically operated means for causing the fish engaging members to swing into fish engaging position.

1,628,043. X-RAY OPERATING TABLE. JULIUS J. GROSS, Chicago, Ill. Filed Sept. 11, 1922. Serial No. 587,426. 30 Claims. (Cl. 250—84.)

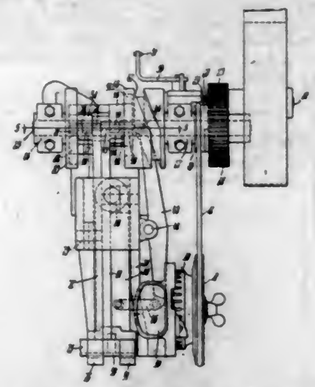
1. In an X-ray operating table, the combination of a support, a table top pivotally mounted on said support, an X-ray tube element support, a counterweight whose weight in unequal to that of said X-ray tube element

support movably supported on said table top, and connections between said counterweight and tube support adapted to move said counterweight and tube support for



increments of distance substantially in inverse ratio relative to the respective weights of the said X-ray tube element support and said counterweight.

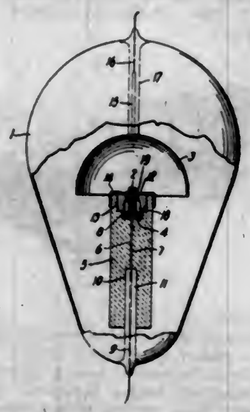
1,628,044. RIVETING MACHINE. ARTHUR R. HAVENER, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass., a Corporation of Massachusetts. Filed Apr. 12, 1924. Serial No. 706,103. 23 Claims. (Cl. 218—2.)



18. A machine for punching and riveting sheet material comprising, in combination, a main frame, an auxiliary frame pivotally mounted upon said main frame, punching instrumentalities embodying therein a punch, said punch being mounted in said auxiliary frame, a stripper slide mounted in said auxiliary frame and operatively connected to said punching instrumentalities, a pawl to hold said stripper slide in engagement with said sheet material, means to engage said pawl to disengage the latter from said stripper slide whereby the latter is released from engagement with said sheet material, rivet setting instrumentalities embodying therein a driver slide and driver mounted in said auxiliary slide, a rivet carrier mounted upon said driver slide, and means to rock said auxiliary frame to alternately move said punching instrumentalities and said rivet setting instrumentalities into the same operative position relatively to said sheet material.

1,628,045. ELECTRONIC DISCHARGE DEVICE. WILLIAM F. HENDRY, Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Inc., a Corporation of Massachusetts. Filed Oct. 8, 1926. Serial No. 140,809. 11 Claims. (Cl. 250—27.5.)

6. In an electric discharge device, an electrode mounting comprising an electrode, an insulating support and an annular cylinder of insulating material surrounding said electrode and spaced a small distance therefrom, the ratio of the width of the said small distance to the

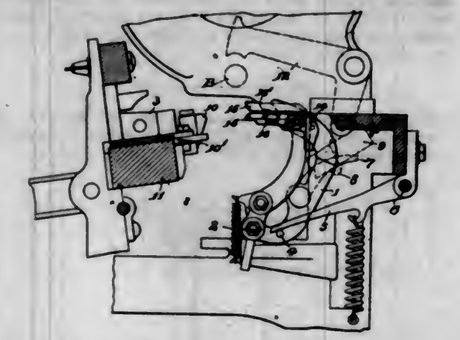


length of the annular cylinder being approximately one-eighth, whereby electrical breakdown of the insulating support is prevented.

1,628,046. ORE FLOTATION PROCESS. JOHN HERMAN, Los Angeles, ARTHUR W. ALLEN, Berkeley, and HARRY R. NEWITT, Los Angeles, Calif. Filed Nov. 25, 1925. Serial No. 71,430. 3 Claims. (Cl. 209—166.)

1. A process of flotation in the treatment of oxidized metalliferous ores comprising subjecting finely ground oxidized ore pulp to a gaseous reducing agent at a temperature where said agent is chemically inert to the ore pulp under treatment, said agent adhering to the oxidized metalliferous ore particles in small bubbles and causing them to rise to the top of the ore pulp.

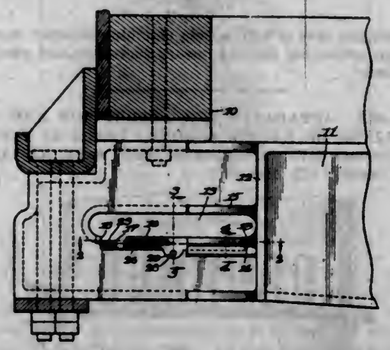
1,628,047. AUTOMATIC WEFT-REPLENISHING LOOM. DENIS MACHELL HOLLINS, Blackburn, England, assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 26, 1926, Serial No. 90,774, and in Great Britain Apr. 14, 1925. 1 Claim. (Cl. 139—264.)



In an automatic weft replenishing loom the combination with a shuttle feeler movable toward and from the lay, the shuttle feeler operating as described, and a thread cutter carried by said shuttle feeler and operating to cut the weft end extending from the selvage when a transfer has been effected, of clamping means carried by the shuttle feeler comprising a lateral extension from the shuttle feeler in the direction of the selvage upturned at its inner end to form a fixed clamping member having an extended vertical clamping face, a movable clamping member in the form of a plate secured to the movable

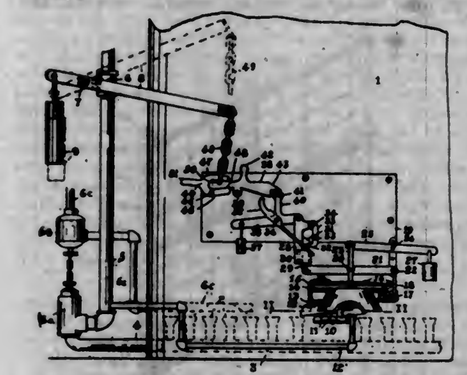
cutting blade on the shuttle feeler and offset at its rear end to present an extended vertical clamping face cooperating with and adjacent and parallel to the clamping face of the upturned portion of the fixed clamping member, the under edge of said rear end and the upper edge of the fixed clamping member forming jaws between which the weft can pass as the shuttle feeler moves rearwardly with the movable cutting blade open to ascertain the position of the shuttle, and an upward projection from the rear of the top edge of the upturned portion of the fixed clamping member whereby, when the clamping members close upon the weft end and are carried forward with the shuttle feeler, the weft end after severance will be held clamped although pulled a long distance through the clamp and will be prevented from sliding rearwardly by the said projection.

1,628,048. DRAFT SILL. CHARLES MELVEN HOUSE, Bloomington, Ill. Filed July 3, 1926. Serial No. 120,494. 7 Claims. (Cl. 213—50.)



1. In draft rigging, a draft member provided with a draft key slot adapted to receive a draft key, a wear shoe engaging the lower marginal wall forming said slot, said lower marginal wall and shoe being provided with interengaging portions for preventing endwise and lateral movement of said shoe on said sill, but permitting the removal of said shoe by a vertical movement whereby said shoe will be held from removal by said key when the latter is in position in said slot.

1,628,049. AUTOMATIC CUT-OFF FOR GAS BURNERS. ELIAS KAUFFELD, Pittsburgh, Pa. Filed Feb. 18, 1926. Serial No. 89,236. 10 Claims. (Cl. 67—116.)

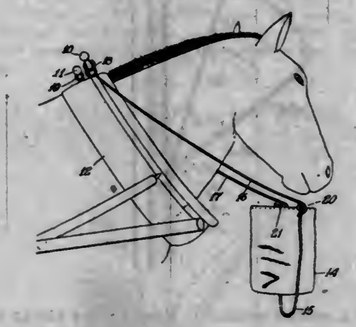


1. In an automatic gas cut-off, a gas-supply pipe, a cut-off valve therefor, means biasing the valve when open to move to closing position, a main burner connected to receive gas through the said pipe and valve, a thermostatic diaphragm, an auxiliary burner arranged to ignite the main burner and heat the diaphragm, and means fastened to the diaphragm and operatively connecting the intermediate portions of the diaphragm and the biasing means and controlled by the transverse distortion of the diaphragm, when heated by the auxiliary burner, so as to prevent the biasing means from closing the valve, and controlled by the reduction of said distortion, due to the cooling of the diaphragm when the auxiliary burner becomes extinguished, so as to release the biasing means, the said connecting means including a catch connecting portions of the connecting means together in combination with means for disconnecting the catch upon the release of the biasing means, the catch being biased to reconnect the said portions together when the latter are in predetermined relative positions, one of the portions being connected to the diaphragm and moved thereby, when heated, to its said predetermined position.

1,628,050. ALLOY. CHARLES A. KRAUS and CONRAD C. CALLIS, Worcester, Mass., assignors to Standard Development Company, a Corporation of Delaware. Filed Mar. 30, 1923. Serial No. 628,734. 7 Claims. (Cl. 204—2.)

1. The process of making an alloy of lead and sodium, which comprises electrolyzing sodium chloride to produce molten sodium and combining the sodium with lead in the electrolytic bath, while preventing access of oxygen.

1,628,051. FEED-BAG HOLDER. MATTHEW C. LOWDEN, Brooklyn, N. Y. Filed Mar. 3, 1924. Serial No. 696,486. 5 Claims. (Cl. 119—67.)

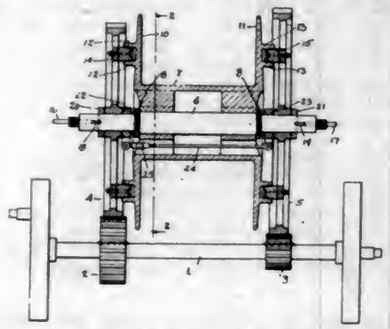


1. A feed-bag holder adapted to be suspended from the harness of a horse and consisting solely of a pair of rigid and independent rods each having integral means at the inner end for supporting the said rods on the respective horns of the hame upon opposite sides of the neck of a horse, contacting with the horns to determine the position of the rods in a vertical plane and said rods being provided at their outer ends with integral retaining means for suspending therefrom a feed bag.

1,628,052. ENGINE. JOHN R. MCGIFFERT, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a Corporation of Maine. Filed Apr. 24, 1923. Serial No. 634,284. 5 Claims. (Cl. 254—187.)

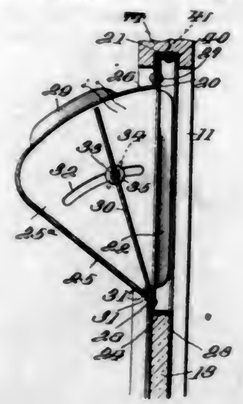
1. In mechanism of the character described, the combination of a drive shaft, a second shaft, pairs of intermeshing gears of different ratios, one member of each such pair of gears being fixed on said drive shaft and the other being rotatably and longitudinally movable on said second shaft, a winding drum rotatably mounted on

said second shaft between the two gears thereon, said drum being held against longitudinal movement on said shaft, means for moving either of said gears on said



second shaft into engagement with said drum, and a thrust element within the drum for maintaining the said gears in definite spaced relation to each other.

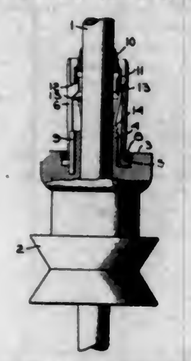
1,628,053. WINDOW VENTILATOR FOR AUTOMOBILES AND THE LIKE. ARTHUR D. MCTIGHE, Trenton Junction, N. J. Filed Apr. 3, 1926. Serial No. 99,582. 4 Claims. (Cl. 98—2.)



1. In a window ventilator, a front panel having louvres formed therein and an upper flange adapted to be received within the window frame, a rear plate having a flange adapted to be fitted upon the window sash and providing an upper arcuate wall, means to connect said plates together, said arcuate upper wall having its center of curvature substantially at the lower juncture of the said plates, a shutter located between said plates and pivoted substantially at the center of curvature of said upper wall, said upper wall having a plurality of louvres therein extending at an angle to the upper flange of the device, said shutter closing selected portions of the areas of said louvres, and means for adjusting and holding said shutter in adjusted position from the exterior of said casing.

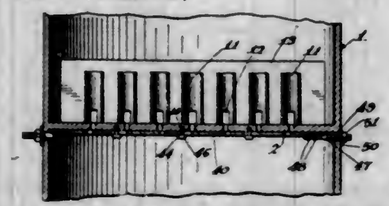
1,628,054. BOBBIN-CLUTCHING MEANS FOR ROTATABLE SPINDLES. JOSEPH A. MILLER, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 5, 1926. Serial No. 146,397. 4 Claims. (Cl. 242—46.6.)

1. A rotatable spindle comprising a blade, a plurality of elongated segmental bobbin clutching members surrounding the blade and rotatable therewith, means for limiting radial outward movement of the ends of the bobbin clutching members, and a spring located inter-



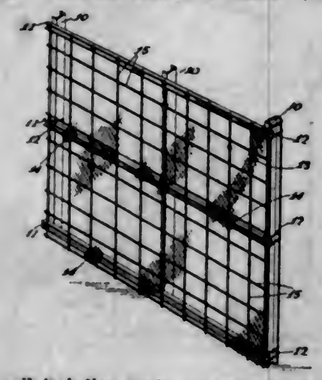
mediate the ends of each bobbin clutching member, secured thereto, projecting radially inward therefrom and abutting the blade.

1,628,055. APPARATUS FOR ABSORPTION AND DISTILLING OF HYDROCARBONS. DANIEL L. NEWTON, Fullerton, Calif. Filed Dec. 9, 1925. Serial No. 74,280. 5 Claims. (Cl. 196—8.)



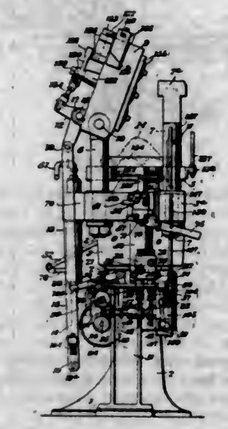
4. A distilling and blending apparatus comprising in combination a series of blending chambers each having a partition adapted to hold an absorbing liquid medium, each of said partitions having perforations adapted to allow passage upward of gas containing vapors from one chamber to another, and means operatively connected to each partition to control the flow of gas into each chamber, independently of the rate of flow into other chambers.

1,628,056. BUILDING WALL CONSTRUCTION AND METHOD OF MAKING THE SAME. FRANK NILES and LESTER NILES, Santa Barbara, Calif. Filed July 21, 1926. Serial No. 123,940. 9 Claims. (Cl. 72—46.)



1. A wall including studs, a layer of relatively fine metal fabric fastened to the studs, reinforcing means positioned against said layer, a layer of self-hardening plastic material applied to the back of said layer and worked therethrough, and a second layer of self-hardening plastic material applied to the front of the layer imbedding the reinforcing means therein.

1,628,057. MOLDING APPARATUS. HUBBARD D. NITCHIE, Cranford, N. J., assignor to The Watson-Stillman Co., New York, N. Y., a Corporation of New Jersey. Filed June 21, 1926. Serial No. 117,379. 41 Claims. (Cl. 18—16.)

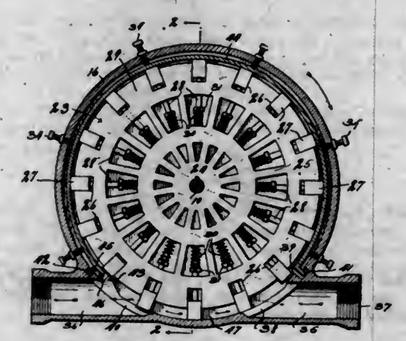


3. In an apparatus of the class set forth, the combination of a pivoted press head; a reciprocable press head; fluid-pressure-operated means for swinging the pivoted head into and out of parallelism with the reciprocable head; fluid-pressure-operated means for reciprocating the reciprocable head; means operating automatically, upon movement of the pivoted head into parallelism with the reciprocable head, to first supply pressure fluid to the head-reciprocating means and then exhaust pressure fluid therefrom; control means for said head-swinging means operating automatically by the retraction of the reciprocable head, upon exhaust of pressure fluid from the head-reciprocating means, to cause the head-swinging means to swing the pivoted head out of parallelism with the reciprocable head; and manually operable means for actuating the control means to cause movement of the pivoted head into parallelism with the reciprocable head.

35. In an apparatus of the class set forth, the combination of a pair of co-operating press heads; fluid-pressure-operated means for forcing one of said heads toward the other head; valve means for controlling the supply of pressure fluid to and the exhaust thereof from said fluid-pressure-operated means; means for actuating said valve means to first establish and maintain for a predetermined time a fluid supply and then to establish a fluid exhaust; means for operating the valve actuating means; means adapted to be operated when one of said press heads is in pressing position for establishing an effective operative connection between the valve actuating means and the operating means therefor, and automatically breaking said connection after a single cycle of operation of the valve actuating means; and manually-operable means for putting the apparatus in operation for a single cycle of movements.

1,628,058. METERING PUMP. NEELY NIX, Long Beach, Calif, assignor, by direct and mesne assignments, of two-thirds to M. R. Humpton and one-third to B. A. Stone, Long Beach, Calif. Filed Feb. 5, 1925. Serial No. 7,189. Renewed Oct. 23, 1926. 2 Claims. (Cl. 103—136.)

1. A metering and pumping mechanism of the character described including an outer cylindrical casing having an inlet passage intersecting the casing tangentially and an opposed outlet passage intersecting the casing tangentially to the periphery of the casing, a rotor mounted within the casing, a flexible, arcuate packing member disposed between the casing and the rotor and extending from the beginning of the inlet passage around the rotor to the end of the outlet passage, a plurality of adjusting means mounted upon the periphery of the casing in circumferential series and engaging said packing member whereby it may be shifted toward or from the rotor,



spring-projected blades mounted upon the rotor and engaging the inner face of the packing member as they travel over the packing member and the inner face of the casing between the ends of the packing member, guides extending across the inlet and outlet openings and against which the extremities of the blades bear, and means for guiding the blades over the inner face of the packing member to the inner face of the casing at the inlet opening and from the inner face of the casing to the inner face of the packing member adjacent the outlet opening.

1,628,059. TOBACCO-PIPE ATTACHMENT. JOHN JOSEPH O'TOOLE, Pittsburgh, Pa. Filed Mar. 29, 1924. Serial No. 702,755. 3 Claims. (Cl. 131—12.)

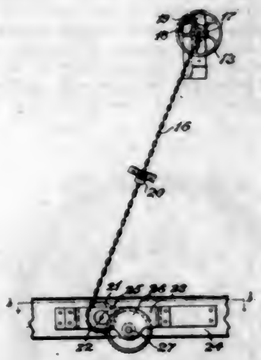


1. An attachment for an ordinary tobacco pipe embodying a bowl having its charge-receiving opening at its upper end, comprising a perforate disk member adapted to rest on the charge and being of sufficiently smaller diameter than the inner diameter of the bowl to permit the disk to move and be moved downwardly as the charge is consumed, said disk having means for frictional engagement with an element in the bowl for preventing its ready accidental displacement.

1,628,060. BRAKE-OPERATING MECHANISM. JOHN S. PAYNE, Midland Park, N. J. Filed July 10, 1926. Serial No. 121,602. 2 Claims. (Cl. 74—112.)

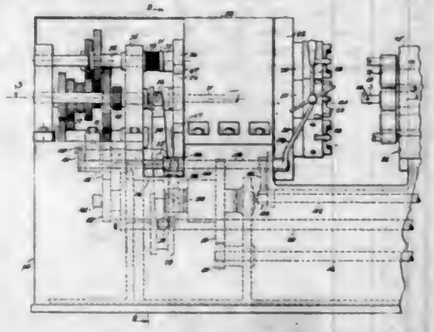
1. In a brake operating mechanism, the combination of a brake lever; a shaft; a flexible member connected to the lever and the shaft; and adapted to be wound around

the shaft; a second shaft; a driving connection between the first and second shafts; a drum mounted on the



second shaft; a third shaft; and a flexible member having one end wound around the drum, and the other end attached to the third shaft.

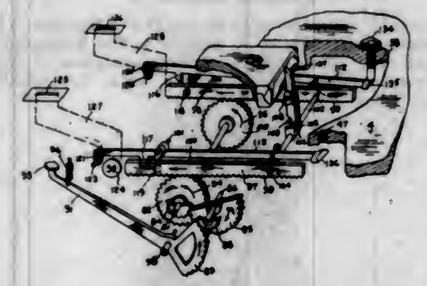
1,628,061. MULTIPLE-SPINDLE METAL-TURNING MACHINE. CARL M. PETERSEN, Bridgeport, Conn., assignor to The Bullard Machine Tool Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 31, 1924. Serial No. 729,202. 67 Claims. (Cl. 29—38.)



1. In a machine of the class described, a plurality of working stations, a tool for each station, a feeding means for each tool including a revolving feed member, and means for controlling said feeding means comprising a rotatable and longitudinally movable driving member for each feed member adapted for individual adjustment so that they may be arranged so the individual feed members will start to revolve at different times and will cease to revolve at the same time.

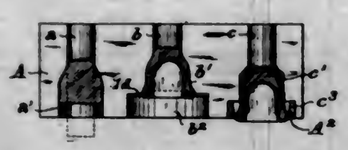
36. In a machine of the class described, a tool carrier, feeding means for said carrier, driving means for the feeding means including a forwardly driving clutch and a reversing clutch, a slidable shaft, means carried by said shaft for operating the clutches, means for rotating said shaft including a clutch, means operated by turning movement of said shaft for reciprocating the shaft, a screw, a lever for controlling the latter clutch secured to said screw, a gear having threaded engagement with said screw, spaced means on the said screw adapted for operative engagement with said gear to swing said lever, and driving means between said gear and the driving means for the feed.

1,628,062. COIN-SLOT MECHANISM FOR VENDING MACHINES. NELS P. PETERSEN, Los Angeles, Calif. Filed Apr. 13, 1925. Serial No. 22,745. 22 Claims. (Cl. 194—58.)



1. A coin controlled machine having two coin controlled mechanisms each adapted to be controlled by the insertion of the proper coin, means controlled by the insertion of a coin in one of the coin control mechanisms in cooperation with means controlled by the operation of the machine to eject a certain priced article, means controlled by the insertion of a coin in the other coin controlled mechanism in cooperation with means controlled by the operation of the machine to eject another article of a different price and means controlled by the insertion of coins in both coin controlled mechanisms simultaneously to eject still another article of different price.

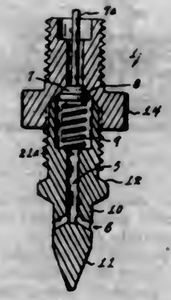
1,628,063. MANUFACTURE OF STEAM-BOILER STAY BOLTS. ARTHUR F. PITKIN, Schenectady, N. Y. Filed July 19, 1922. Serial No. 576,027. 1 Claim. (Cl. 10—27.)



The method of forming stay bolts, having a socket at one end for the reception of the rounded head of a companion member, which comprises the following steps: heating a rod to forging temperature; confining the rod in a die cavity, having a constricted portion and an enlarged portion; expanding one end of the rod in the enlarged portion by the pressure of a plunger; confining the rod in a second die cavity; applying pressure to the expanded end of the rod to form a socket therein, with the mouth of said socket thicker than the rest of the wall and curved in cross section; confining the rod in a third die cavity, and cutting off any fin formed around the thickened mouth of the socket.

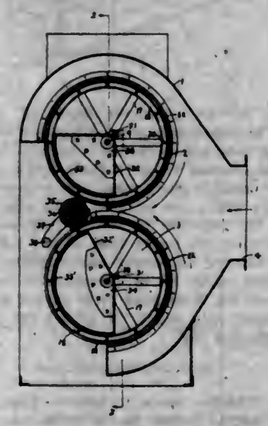
1,628,064. TIRE VALVE. CLARENCE S. PRESTON, San Diego, Calif. Filed May 8, 1926. Serial No. 107,691. 1 Claim. (Cl. 152—12.)

In an attachment for tire valve bodies, a two piece elongated core body member providing an internal valve receiving space, a non-return valve in said space, an intermediate externally threaded portion to said core body surrounding said space, a head above said externally threaded portion, an integral annular enlargement to said core body below said externally threaded portion; said body provided with an air course continuing downwardly from said valve space and opening outwardly of the core body below said annular enlargement; and further provided with an outer seating end beyond the opening of said air course; said core body being composed of two pieces non-revolubly joined to each other intermediate of said head and said intermediate externally threaded portion, respectively, and a cap-like casing having an open lower end providing a downwardly opening cavity, an upper closure wall to said cap provided with an internally threaded bore of smaller diameter than said cavity; said cap-like casing fitted to said core body by inter-engagement of the threads of the externally threaded portion of



the core body with the threads of the internally threaded bore of the cap-like casing; the lower portion of said core body extending outwardly through the open end of the cap-like casing with said annular enlargement disposed in said cavity; said annular enlargement to said core body and the said closure wall of said casing providing corresponding seating surfaces for the purpose set forth; said cap-like casing provided with means for attachment to a tire valve body.

1,628,065. LINT CONDENSER. FRANK W. PROVOST and GEORGE B. HAYWOOD, Houston, Tex. Filed May 11, 1925. Serial No. 29,432. 2 Claims. (Cl. 19—156.)

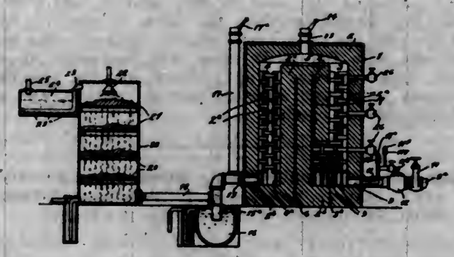


1. In a cotton condenser, a housing having a cotton receiving opening at one side thereof, spaced parallel shafts fixed against rotation in said housing, foraminated cylinders rotatable in contact with each other on said shafts, brackets on said shafts within said cylinders, baffles on said brackets extending along said cylinders on their sides away from said opening, a wiper roll contacting with the lower of said cylinders adjacent said baffles spaced slightly from said upper cylinder and rotating in the same direction as one of said cylinders, suction means at the ends of said cylinders, said baffles being positioned to extend on one cylinder in advance of the line of contact and in the other to the rear of said line, to allow said suction to be exerted upon a portion of the surface of the second named cylinder adjacent an obscured surface of the other in the manner described, said wiper roll being held resiliently in contact with and receiving the cotton from said second named cylinder.

1,628,066. GAS FOR CUTTING AND WELDING PURPOSES. JAMES R. ROSE, Edgeworth, Pa., assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 3, 1918. Serial No. 248,135. 1 Claim. (Cl. 48—19.)

A gas for cutting and welding with oxygen, comprising essentially a mixture of hydrogen with substantially 20 per cent by volume of methane.

1,628,067. GASEOUS FUEL. JAMES R. ROSE, Edgeworth, Pa., assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa., a Corporation of Delaware. Filed Dec. 31, 1919. Serial No. 348,679. 2 Claims. (Cl. 48—199.)



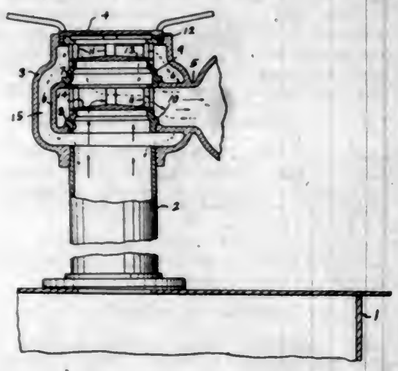
1. A combustible welding and cutting gas especially useful with oxygen in metal cutting, welding and the like, consisting essentially of from 80% to 98% of hydrogen and from 20% to 2% of other gases, such other gases consisting principally of methane and including a small proportion of propane and butane.

1,628,068. GUN MOUNTING FOR USE ON AIRCRAFT. FREDERICK WILLIAM SCARFF, London County, England, assignor to Vickers Limited, London, England, a British Company. Filed Nov. 7, 1924, Serial No. 748,375, and in Great Britain Nov. 27, 1923. 11 Claims. (Cl. 89—40.)



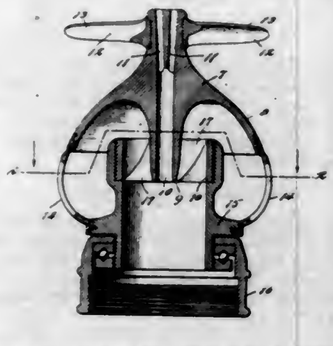
7. In a gun mounting of the ring type for use on aircraft, the combination with a rotatable ring and the elevating arm, of a plurality of metallic springs of the helical compression type for balancing the elevating arm against the weight of the guns carried by said arm and means whereby certain of said springs can readily be removed when only one gun is to be carried by said arm and can readily be replaced when more than one gun is to be carried.

1,628,069. TANK VENT. GEORGE C. SCHMIDT and FRANK G. D. MULLER, Houston, Tex. Filed Aug. 21, 1926. Serial No. 130,579. 1 Claim. (Cl. 277—61.)



An apparatus of the character described formed with a passageway, valve seats disposed one above the other therein, valves controlling said seats, a cage-like structure anchoring said seats in fixed relation, said structure also serving to retain the valves in operative relation with the seats, said cage-like structure being removable with the valves from said passageway as a unit, said apparatus being provided with an opening through which said structure may be removed, and a closure for said opening.

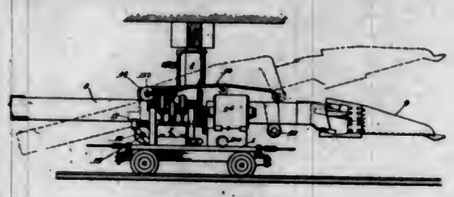
1,628,070. SELF-PROPELLED HOSE NOZZLE. SIDNEY C. SLADDEN, Freeport, N. Y. Filed May 12, 1926. Serial No. 108,480. 1 Claim. (Cl. 15—104.12.)



A nozzle as characterized embodying a power driven rotary member, and a plurality of spirally twisted propeller blades, the forward and upper edges thereof being sharpened to form cutting members, said blades being disposed in spaced relation to the power driven member; and a plurality of bowed blades radially extended from said rotary member beyond the perimeter thereof for completing the removal inaugurated by said cutting blades.

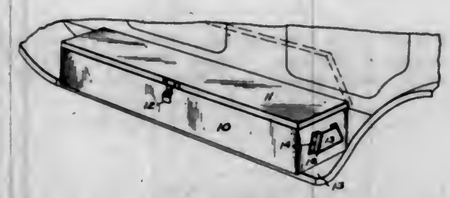
1,628,071. POWER SHOVEL. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 18, 1922. Serial No. 607,692. Renewed June 30, 1926. 39 Claims. (Cl. 214—135.)

10. In a power shovel, the combination of a base, a vertically adjustable holding jack mounted on said base and extending upwardly therefrom to engage a fixed support above the machine, a movable scoop on said base having suitable power actuating devices and control mechanism therefor, and power connections between said power actuating devices and said holding jack for applying a holding pressure on the latter, varying with the power utilized in actuating said scoop.



15. In a power shovel, the combination of a base, a vertically adjustable holding jack mounted on said base and extending upwardly therefrom to engage a fixed support above the machine, a movable scoop on said base having suitable hydraulic actuating devices and control mechanism therefor, means associated with said hydraulic devices for automatically applying to and maintaining on said holding jack the maximum hydraulic pressure utilized in actuating said scoop, and manually controlled means for releasing the power on said jack at will.

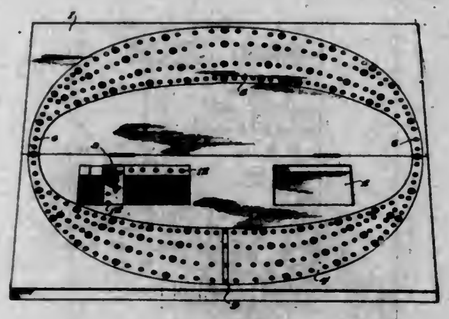
1,628,072. COMBINED CAMP BOX AND BENCH. JOSEPH I. SMITH, Ogden, Utah. Filed Mar. 24, 1926. Serial No. 97,107. 1 Claim. (Cl. 190—12.)



A device of the character described, comprising a member to be supported, a handle-socket secured to the member and tapering upwardly, a pair of upwardly converging legs adapted to have their upper ends inserted within the handle-socket, such upper ends having contacting edges which are adapted to be substantially vertical when the legs are in the upright position, and a hinge connecting the upper ends of the legs and having its axis of turning movement substantially parallel with the contacting edges, the arrangement of the hinge being such that one leg is adapted to be turned generally upon its longitudinal axis and to be folded flat upon the side of the companion leg.

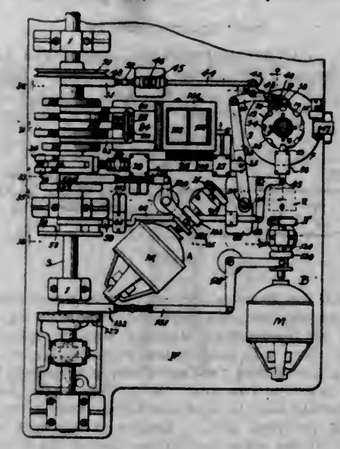
1,628,073. GAME. JOHN B. SOUSA, Reno, Nev. Filed Apr. 21, 1926. Serial No. 103,536. 2 Claims. (Cl. 273—134.)

2. A game comprising a base including similar hinged sections having an elliptical race course delineated thereon and comprising a plurality of tracks which gradually and symmetrically merge into single tracks at opposite ends in line with the major axis, there being a starting line at one side coinciding with the minor axis, one of the sections having recesses forming pockets within the course, stripes of contrasting color intersecting one of the pockets and having the portions at one side of the pocket numbered, game pieces of contrasting color and numbered to agree with the said stripes, score pegs of contrasting color to match the stripes and game pieces



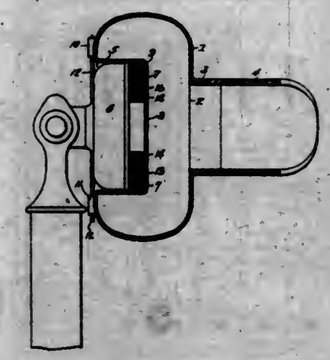
and dice, certain dice bearing numbers on their faces and another dice bearing arithmetical signs, a numeral and a character to indicate that the play is backward.

1,628,074. APPARATUS FOR MAKING RECEPTACLES. IRVING STANLEY, New York, N. Y., assignor, by mesne assignments, to Sealed Containers Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 8, 1925. Serial No. 61,174. 42 Claims. (Cl. 93—39.)



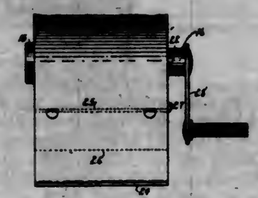
1. In apparatus for applying a closure to a receptacle body, a holder for a receptacle body, a rotatable carrier for the holder, and means to intermittently advance the holder carrier to position the holder relative to means to form and apply a closure to one end of the body in the holder, to means to break down and upset the material of the closure and receptacle body to secure the closure therein, and to position to eject the receptacle from the holder, comprising a drive shaft, a disk having notches in the periphery thereof rotatable with the holder carrier, a feeding pawl to co-operate with certain of said disk notches to advance the carrier, a dog movable with the feeding pawl to co-operate with other of said disk notches to prevent overthrow of the carrier, a cam on the shaft, and an operative connection between said cam and the pawl and dog to actuate the same.

1,628,075. MUFFLER ATTACHMENT FOR TELEPHONES. FRANCIS J. STROBEL, Philadelphia, Pa. Filed Apr. 6, 1925. Serial No. 21,113. 2 Claims. (Cl. 179—188.)



1. A telephone attachment comprising a casing adapted for reception of the transmitting head of a standard telephone instrument, said casing having a rear wall contiguous with the rear wall of said transmitting head and extending in a plane common to both, and front and side walls spaced apart from the respective walls of said head, whereby a sound chamber is formed completely around the periphery of said head and to the front thereof; and a mouth piece on said front wall adapted to entirely embrace the mouth of a person using said instrument.

1,628,076. PENCIL SHARPENER. CECIL M. SYKES, Milford, Conn., assignor to The Hayes Meserole Mfg. Co., Milford, Conn., a Corporation. Filed June 8, 1926. Serial No. 114,381. 2 Claims. (Cl. 120—96.)

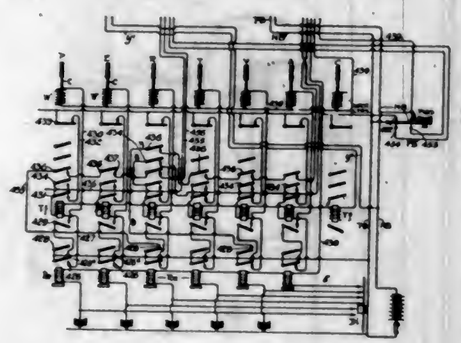


1. A pencil sharpener, comprising a cutter, a frame in which the cutter is mounted, said cutter provided with a crank-handle, and a housing formed with a transverse floor, the central portion of the floor outwardly bowed and the forward edge of the floor formed with lips against which the cutter-frame bears.

1,628,077. METHOD AND SYSTEM OF VIBRATORY SIGNAL CONTROL. JOHN P. TARBOX, Garden City, N. Y. Original application filed Apr. 10, 1917, Serial No. 161,016. Renewed Nov. 12, 1921. Serial No. 564,621. Divided and this application filed Oct. 22, 1923. Serial No. 669,888. 23 Claims. (Cl. 178—31.)

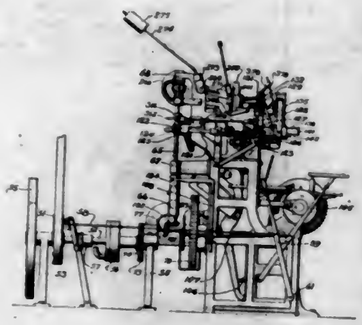
1. A system of vibratory signal control comprising a primary vibration receiving device, a translating device associated with said receiving device during both its vibratory energization and deenergization and in the

one case itself energized and in the other case deenergized and by its state of energization differentiating between the conditions of energization and deenergization



of the receiving device, and an electromagnetic actuating element of a signal recording machine the operation of which is controlled by said translating device.

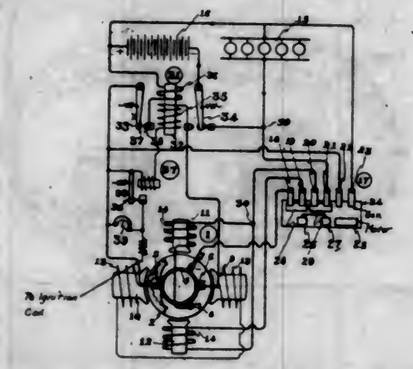
1,628,078. PRINTING MECHANISM. HOLGER THIELGAARD, Chicago, Ill., assignor to Electrograph Advertising Service, Chicago, Ill., a Corporation of Illinois. Filed Feb. 2, 1922. Serial No. 533,538. 29 Claims. (Cl. 101—57.)



1. In a printing press, the combination of a bed, a printing chase mounted thereon, means locking said chase to said bed, means unlocking the chase and moving it to a position off the bed, and means substituting a slug group in said chase when so moved.

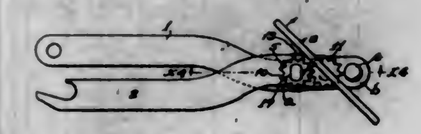
1,628,079. DOUBLE-CIRCUIT STARTING AND GENERATING SYSTEM. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Feb. 3, 1921. Serial No. 442,055. 12 Claims. (Cl. 290—31.)

7. In a system, in combination, a storage battery, translating devices, a dynamo-electric machine having a pair of circuits of different voltages, switch means for connecting said devices and said battery in one of said circuits and for changing the connection of said battery from one circuit to the other circuit.



12. In a starting and generating system, a dynamo-electric machine, a pair of outside circuits supplied by said machine at different voltages, said machine being provided with modifying means for modifying the field flux to produce a quadrature relation between the resultant field flux and the armature cross flux under motoring conditions, said modifying means being provided with windings for modifying the field flux under generating conditions for regulating purposes.

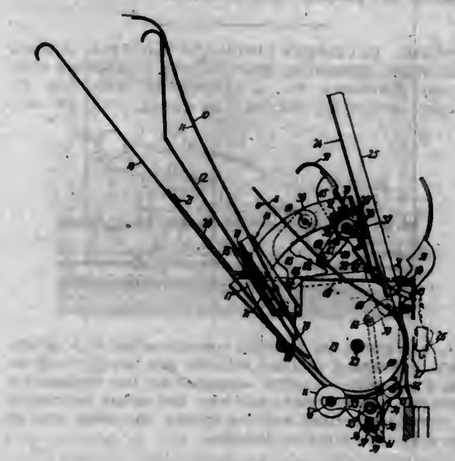
1,628,080. CAN-TOP REMOVER. EDGAR VAN LEUNEN, Long Beach, Calif. Filed Apr. 5, 1926. Serial No. 99,965. 9 Claims. (Cl. 30—3.)



1. A can top remover comprising two levers fulcrumed together at one end and each provided with an oblique slot and an intermediate opening between the fulcrum and such slot; said slots being arranged to cross each other and one of said openings forming a journal bearing and the other a clearance; a driving shaft journaled in the journal bearing and extending through the clearance, and provided with a handle at one end, a driving wheel at the other end on one side of the levers, and a spur gear on the other side of the levers; a circular cutter having a stub shaft extending through the oblique slots; and a gear on the stub shaft to drive the cutter.

1,628,081. TYPEWRITING MACHINE. HARRY H. VICKERS, Corona, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 6, 1925. Serial No. 7,243. 21 Claims. (Cl. 197—128.)

1. In a typewriting machine, including a revoluble platen and feed-rolls therefor, the combination of a rear table, a guide-plate for guiding a record-sheet at the introductory side of said platen, said rear table forming a chute for conducting a statement-sheet between the table and the guide-plate, a front table at the delivery side of said platen for laterally positioning the statement-sheet, a cross-bar for mounting the front table, a rock-shaft rockably supported on said cross-bar, clamps operatively mounted on said rock-shaft co-operating with



the platen to hold the record-sheet thereabound, and means for simultaneously releasing the feed-rolls and rendering the clamps effective.

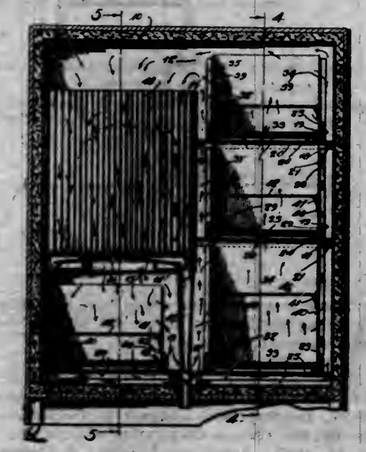
1,628,082. COMPOSITE CORK DISK. ENRIQUE VINCKE, Barcelona, Spain, assignor to Manufacturas de Corcho, S. A., Barcelona, Spain. Filed Feb. 8, 1923. Serial No. 617,881. 4 Claims. (Cl. 154—45.5.)



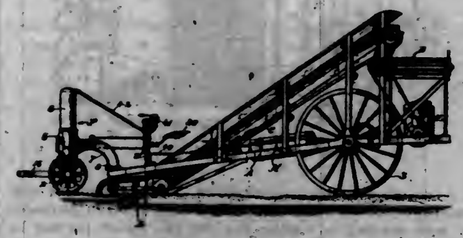
1. As a new article of manufacture, a composite cork disk for a crown cap comprising outer disks of natural cork of high quality secured to a cork disk of poor quality and means for bonding said disks to one another disposed circularly outwardly of the region of engagement of said outer disk with the contents of the bottle to which the crown cap is applied.

1,628,083. REFRIGERATOR. BENEDICT F. VOGT, Louisville, Ky. Filed Mar. 30, 1926. Serial No. 98,482. 10 Claims. (Cl. 62—51.)

1. In a refrigerator, a walled compartment, a drawer slidable into and out of said compartment and spaced from the sides, top and bottom of the compartment to permit free circulation of air about the drawer, said drawer having a bottom and side walls provided with openings to permit free circulation of air through the drawer from the bottom and sides thereof, and a reticulated shelf supported in said drawer in spaced relation to the bottom, certain of the openings in the side walls of the drawer being above the level of the shelf.



1,628,084. LIFTING DEVICE. JACOB S. WALCH, Oakland, Calif. Filed July 30, 1925. Serial No. 47,050. 3 Claims. (Cl. 37—102.)

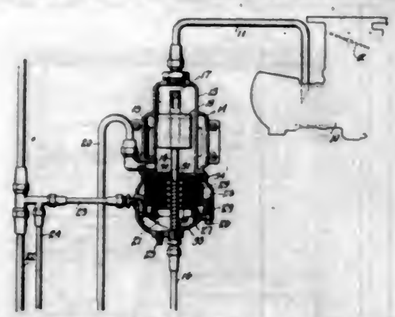


1. The combination with a frame supported by front and rear wheels and a digging implement carried by the frame, of a fluid actuated lifting mechanism interposed between the frame and the front wheels, said mechanism comprising a cylinder secured to the frame, a piston within the cylinder, a rod forming a connection between the piston and the front wheels, means for admitting a fluid, under pressure, to the cylinder and on top of the piston to raise the cylinder and the frame with relation to the piston and the wheels, said means also capable of exhausting said fluid to permit the cylinder and frame to be lowered with relation to the piston and wheels, locking teeth carried by the piston rod, a rack bar carried by the cylinder and having teeth adapted to engage the locking teeth on the piston rod to form a positive lock between the piston and the cylinder, and means for moving the rack bar into or out of engagement with the teeth on the piston rod.

1,628,085. OIL RECTIFIER. WILLIAM G. WALL, Indianapolis, Ind., assignor to Rectifier Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Sept. 26, 1925. Serial No. 58,950. 12 Claims. (Cl. 128—196.)

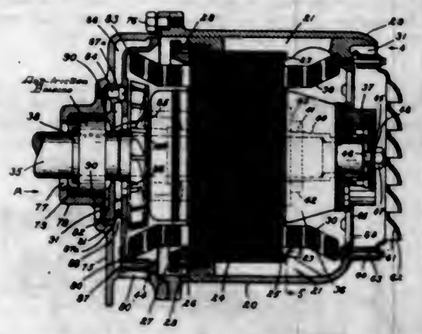
1. An oil rectifier comprising a casing, a sediment chamber at the bottom of the casing, a partition between

the sediment chamber and the upper part of the casing, an oil inlet into said casing, an oil outlet from said



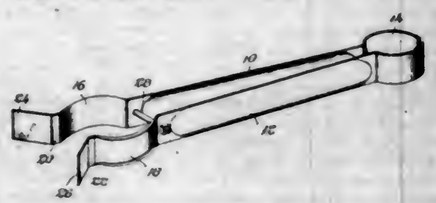
casing, and a strainer between said inlet and outlet comprising a bag and having means for holding the same collapsed, substantially as set forth.

1,628,086. EECTRICAL APPARATUS. CLARENCE WARNER, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 15, 1923. Serial No. 675,003. 5 Claims. (Cl. 172—36.)



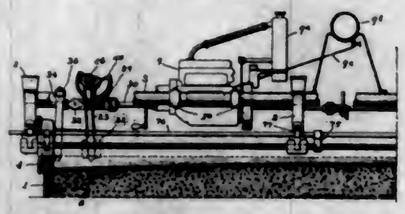
3. An electric motor comprising in combination, a supporting frame, a bearing in said frame, a shaft journaled in said bearing, a cooling fan for the motor carried by said shaft, and means for securing the bearing in position including an air directing baffle.

1,628,087. CANE STRIPPER. JOHN S. WARREN, Sun, Miss. Filed May 18, 1926. Serial No. 109,836. 1 Claim. (Cl. 130—31.)



A cane stripper comprising a pair of arms each including a handle portion, a knife or cutter portion and a finger for directing the stripper into operative engagement with a stalk to be stripped, yieldable means connecting said arms together, said means permitting said arms to move towards and away from one another and also to move in a direction at right angles to their direction of movement towards and away from one another, and a pin or bolt secured rigidly to one of said arms and engaged loosely through an opening in the other of said arms, to hold said arms against movement in a direction at right angles to their direction of movement towards and away from one another, said pin being located adjacent to the knife or cutter portions of said arms whereby it serves as a stop to limit engaging movement of the stripper upon a stalk.

1,628,088. PAVEMENT-FINISHING MACHINE. GEORGE E. WEBB, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Apr. 17, 1922. Serial No. 553,990. 58 Claims. (Cl. 94—45.)



1. A machine for finishing concrete while in a plastic state, including a carriage with its own means of traveling, a plurality of rollers supported by the carriage for operating on the plastic concrete, and means for raising or lowering together and for raising one roller and at the same time lowering another.

1,628,089. PENCIL SHARPENER. GEORGE G. WEIB, Brooklyn, N. Y., assignor to Blaisdell Pencil Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,804. 1 Claim. (Cl. 120—93.)



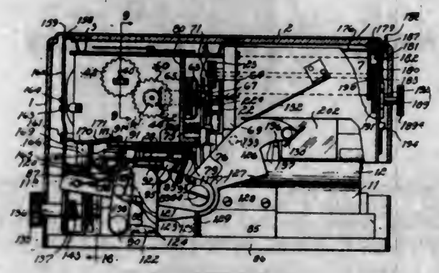
A sharpener for paper pencils of the kind described composed of a cylindrical portion and a tapered portion slotted from end to end, and having a cut-out portion between the cylindrical and tapered portions with one edge of the latter adjacent the cut-out portion sharpened and turned inwardly and so spaced with relation to the cylidrical portion and the tapered portion as to form a means for cutting the cover and stripping a single ribbon of the spirally wound paper.

1,628,090. SOUND-INSULATING PLATE, SHEET, OR SLAB. JOHANNES WEISS, Leipzig, Germany. Filed Sept. 26, 1924. Serial No. 740,148. 1 Claim. (Cl. 20—6.)



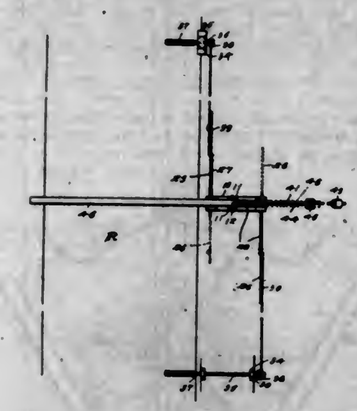
A slab or plate for the purpose set forth comprising a sheet of elastic material and elastic members joined to said sheet, spaced horizontally apart and each making on one side an acute angle with the plane of said slab or plate and on the opposite side an obtuse angle with said plane.

1,628,091. RETAIL AND WHOLESALE FABRIC-MEASURING MACHINE. JOHN L. WHEELER, St. Louis, EDWIN A. REED, Maplewood, and GREENE CARLTON HOSCH, St. Louis, Mo., assignors to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,364. 26 Claims. (Cl. 33—133.)



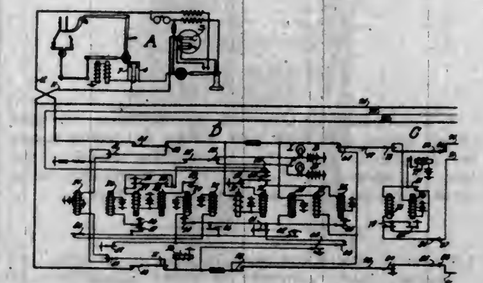
2. In a fabric measuring and cost computing machine, the combination of a measuring roller, length indicating mechanism for indicating a quantity measured, cost indicating mechanism for indicating the cost of the quantity indicated, totalizing mechanism, driving mechanism actuated by said measuring roller for driving the length indicator and the cost indicating mechanism including a clutch connecting the cost indicating mechanism with the totalizing mechanism, means operated at will to effect the opening of the said clutch and to effect the resetting of the length indicating mechanism to zero, and means for resetting the cost indicating mechanism when the clutch is open.

1,628,092. GATE-OPERATING MECHANISM. CARLOS M. WHITAKER, Ghent, Ky. Filed May 28, 1926. Serial No. 112,384. 4 Claims. (Cl. 39—60.)



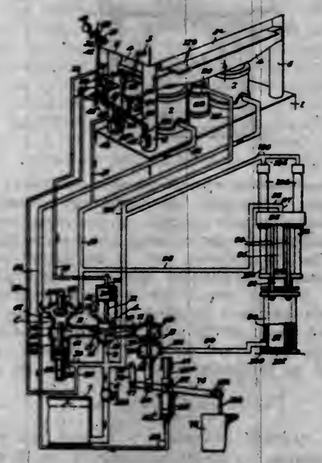
1. In combination with a gate pivoted to swing from a closed position where it is horizontal to an open position where it is vertical, a pair of parallel bars spaced longitudinally of the gate and extending transversely thereof, said bars being arranged at opposite sides of the pivot of the gate, a web secured to the gate at opposite sides of the pivot thereof and passing about guides arranged at opposite sides of the pivot of the gate in a direction longitudinal of the gate and a connection between the bars whereby movement of either the bars causes a corresponding movement of the other bar in the reverse direction, including a member paralleling the web and shifting longitudinally at that portion thereof paralleling the web as the bars are shifted and a connection between the web and member.

1,628,093. MEASURED-SERVICE TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed July 3, 1922. Serial No. 572,658. 24 Claims. (Cl. 179—6.3.)



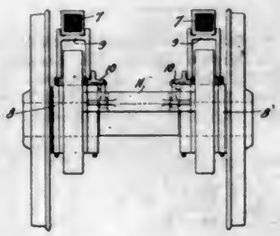
1. In a telephone system, an automatic switch, a called line, means for operating said switch to connect with said line, means for releasing said switch, pay-station mechanism on said line, a magnet in said pay-station mechanism for controlling deposited coins, and means individual to said line operative when said automatic switch is released for closing a circuit for energizing said magnet.

1,628,094. HYDRAULIC PRESSING APPARATUS. CARL WIGTEL, Brooklyn, N. Y., assignor to The Watson-Stillman Co., New York, N. Y., a Corporation of New Jersey. Filed June 2, 1926. Serial No. 113,197. 28 Claims. (Cl. 188—17.)



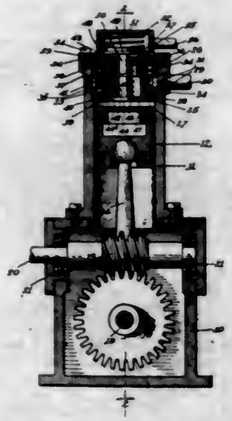
1. In an apparatus of the class set forth, the combination of opposed relatively shiftable pressing members, means operable by liquid under pressure for automatically imparting a relative approaching movement between said members first under the influence of liquid under one stage of pressure and then under the influence of liquid under higher pressure, and finally automatically effecting a relative separating movement between said members.

1,628,095. LOCOMOTIVE. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Apr. 22, 1924. Serial No. 708,131. 2 Claims. (Cl. 105—80.)



1. A locomotive wheel base having three or more closely spaced axles with their wheels, and having means for distributing among the intermediate wheels of the base the inward force due to the rail elevation on a curve which is unbalanced by centrifugal force.

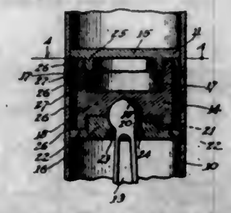
1,628,096. COMPRESSOR. CLEMENS S. WORTH, Los Angeles, Calif., assignor, by mesne assignments, to Edward G. Burghard. Filed Dec. 1, 1924. Serial No. 753,009. 16 Claims. (Cl. 230—34.)



1. The combination with a cylinder and piston of an exhaust valve mechanism comprising two chambers; a passage connecting said chamber; a port connecting one of said chambers with the cylinder and a normally closed valve therefor; an exhaust port in the other chamber; a valve normally closing the passage intermediate said chambers; yielding means for normally holding said valves closed, arranged to cause the cylinder port valve to be opened ahead of the passage valve on the exhaust stroke of the piston and to cause the passage valve to close ahead of the cylinder port valve on its suction stroke.

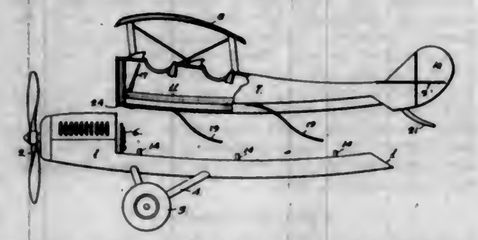
1,628,097. PISTON. CLEMENS S. WORTH, Los Angeles, Calif., assignor, by mesne assignments, to Edward G. Burghard. Filed Dec. 1, 1924. Serial No. 753,012. 1 Claim. (Cl. 74—108.)

A piston comprising a body portion, consisting of cylindrical walls and an intermediate transverse partition, a semi-spherical recess in the bottom face of the partition to form a seat for the ball end of a connecting rod, a bottom removably engaging the body portion and overhanging the periphery thereof to form a peripheral flange thereon, said bottom also having a central aperture therein through which the connecting rod extends, the perimiter of which is adapted to engage the ball thereon to hold it in said seat, a disk-like top for the body portion, removably secured thereto, and overhanging the



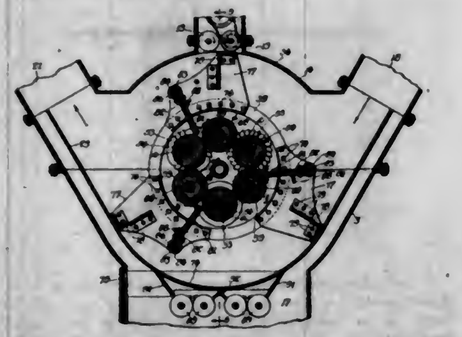
periphery thereof to form a peripheral flange therearound, and a plurality of sealing and spacing rings removably retained around the body portion comprising the major portion of the cylinder engaging portion of the piston.

1,628,098. AEROPLANE. JOAQUIN S. ARREU, San Francisco, Calif. Filed Feb. 11, 1926. Serial No. 87,591. 18 Claims. (Cl. 244—2.)



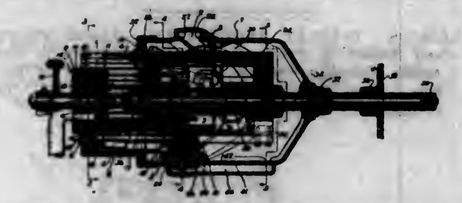
18. In an aeroplane, the combination with a body equipped with propelling mechanism, of a fuselage arranged to carry an operator and passengers or freight, said fuselage being detachably secured to the body whereby said fuselage may be applied upon any of a plurality of bodies and whereby said fuselage may be released when in flight for independent operation as a glider.

1,628,099. COAL-GRINDING MILL. MILTON W. ARROWOOD, Wilmette, Ill. Filed Jan. 20, 1923. Serial No. 613,867. 24 Claims. (Cl. 83—12.)



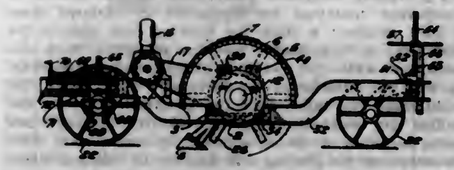
3. In a grinding mill the combination of a stationary housing, a plurality of grinding rolls mounted within said housing, means for rotating said rolls, alternate rolls being rotated in opposite directions, means for revolving all of said rolls as a unit about a common axis, and pneumatic means for removing the ground material from the housing.

1,628,100. INTERNAL-COMBUSTION ENGINE. BYRON R. BACON, New York, N. Y., assignor of two-fifths to Wilber N. Bacon, New York, N. Y. Filed Jan. 31, 1924. Serial No. 689,641. 10 Claims. (Cl. 123—58.)



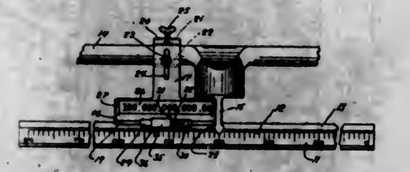
2. In a four-cycle internal combustion engine of the class described the combination of a cylinder, a piston reciprocating in the cylinder, a housing provided with a continuous internal undulatory groove lying in a cylindrical surface, said engine cylinder being mounted to be rotatable about the axis of the cylindrical surface and relatively to it, a member engaging the groove, a rod operatively connecting the member and the piston, said groove being so shaped that at the end of the exhaust stroke the piston has travelled substantially to the end of the cylinder, while at the end of the compression stroke it is still at a material distance from the end of the cylinder.

1,628,101. PINEAPPLE-STUMP SHREDDER AND HARROW. WILLIAM A. BALDWIN, Haiku, Territory of Hawaii. Filed Mar. 29, 1923. Serial No. 628,612. 5 Claims. (Cl. 55—118.)



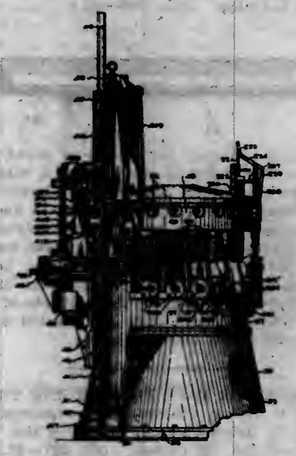
1. In a device of the class described, a vehicle, a shaft carried thereby, spaced disks keyed to said shaft, a plurality of rods arranged through registering apertures in said disks, vegetable-matter shredding and harrowing elements pivotally carried by alternate rods and movable between said disks, said elements being freely suspended in unbalanced relation to engage the soil by centrifugal force when operating, the other alternate rods functioning as stops to limit the deflection of said elements through contact with the soil.

1,628,102. TYPEWRITING-MACHINE ATTACHMENT. JOHN LAWRENCE BALLARD, Denver, Colo. Filed Aug. 22, 1925. Serial No. 51,829. 6 Claims. (Cl. 197—191.)



1. In typewriting machine attachments of the character disclosed, embodying an adapter with a scale thereon graduated to conform with the scale of the typewriting machine, and an adjustably mounted indicator member carrying a plurality of indicator means, one of which said indicator means is associated with said adapter scale, while another of which is adapted for association with said machine scale in separately adjustable relation therewith and with said adapter scale indicator means.

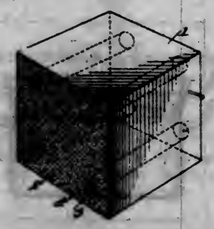
1,628,103. MULTIPLE-STATION AUTOMATIC MACHINE. FRANK ELLISON BEST, Seattle, Wash. Filed Jan. 10, 1924. Serial No. 685,382. 31 Claims. (Cl. 29—38.)



1. In an automatic machine, a rotatably mounted work table arranged for indexing movement, a plurality of work holding devices carried in the peripheral portion of said work table, a plurality of tools arranged at intervals in normally spaced relation from said work table and in substantial alignment with said work holding devices, a gear housing located centrally of said tools and coaxially of said work table, driving gears in said housing a plurality of tool driving shafts projecting radially from said housing for driving said tools and a plurality of cam shafts extending radially from said housing for moving said tools toward and away from said work holding devices.

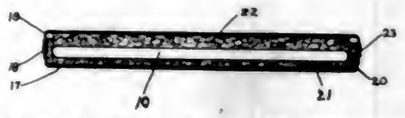
20. In a multiple station automatic machine an upright upper frame embodying a circular base ring, spaced apart radial webs extending upwardly from said base ring and affording openings therebetween, a fluted portion above said webs the indentations of said fluted portion registering with the spaces between said webs, an overhanging ring-like portion above said fluted portion and having vertical openings that register with the indentations in said fluted portion, a rotatable work table operatively disposed in said overhanging ring-like portion and tool units operatively disposed in the indentations formed by said fluted portion and said webs.

1,628,104. PROCESS OF MAKING SEPARATORS AND SEPARATOR STOCK. RAYMOND C. BENNER, Bayside, N. Y., assignor to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 28, 1923. Serial No. 628,375. 5 Claims. (Cl. 136—145.)



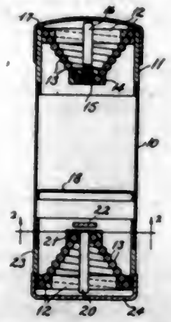
1. Process of making separator stock, comprising mixing fibrous material and a binder, molding the resulting mixture into a mass of suitable form for severing into separators, making openings in the mass, and securing a wear-resisting material in the openings.

1,628,105. SHIPPING CONTAINER FOR SOUND-REPRODUCING RECORDS. ROBERT S. BLAIR, Stamford, and BURLING D. WELLS, Danbury, Conn.; said Wells assignor to said Blair. Filed Oct. 3, 1921. Serial No. 504,977. 3 Claims. (Cl. 206—62.)



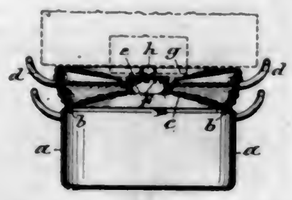
2. A shipping container for records of sound-reproducing machines comprising in combination a substantially flat imperforate receptacle comprising a plurality of separable members shaped to stiffen their walls and provide a surface on one of them suitable for receiving an address, means adapted to hold said members together at their outer portions, said means comprising interfitting flanges on said members, and yielding means in said receptacle interposed between the flat surfaces of a record and the adjacent stiffened walls and adapted to prevent abrasion of the record surface thereby.

1,628,106. BOX FOR FACE POWDER AND THE LIKE. PHILIP C. P. BOOTY, Chicago, Ill., assignor of one-half to Michael T. Daley, Chicago, Ill. Filed Mar. 25, 1926. Serial No. 97,253. 9 Claims. (Cl. 221—61.)



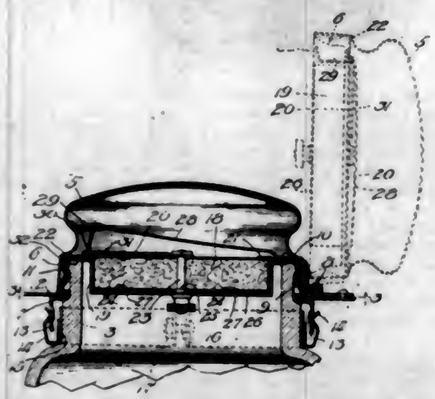
1. In a container, the combination of a casing having an opening thereto, and means comprising a coil mounted in said opening and having a plurality of plies overlying each other in progressively extended position along the axis of the coil and serving by contact with each other in such progressively extended position to close said opening.

1,628,107. SAUCEPAN AND THE LIKE. PAUL BRAACH, Siegen, Germany, assignor of one-half to Hermann Rosenberger, Augsburg, Germany. Filed Sept. 3, 1926, Serial No. 133,461, and in Germany Sept. 12, 1925. 8 Claims. (Cl. 53—1.)



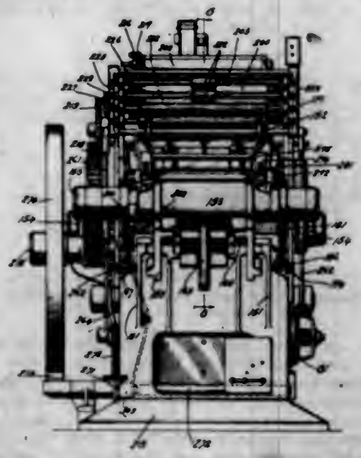
1. An intermediate cover for saucepans arranged one over the other comprising in combination a bottom container for collecting the condensed steam and having steam outlet openings in its bottom permitting steam to pass from the lower sauce-pan against the bottom of the upper saucepan and an upper plate supporting the saucepans and covering the water of condensation collected in said bottom container and directing the condensed steam into the bottom of the container.

1,628,108. DISPLAY RECEPTACLE. ALBERT BROWN and ROBERT G. PECK, Chicago, Ill., assignors to The Aridor Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1924. Serial No. 685,535. 19 Claims. (Cl. 215—48.)



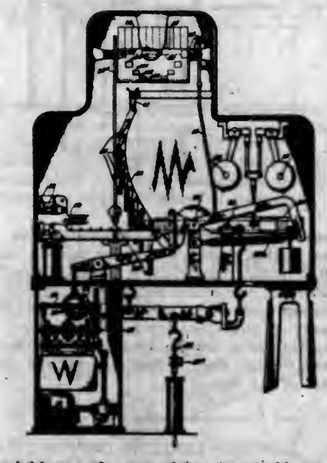
1. A display receptacle comprising, in combination, a transparent container for displaying an enclosed mass of hard candies; a door for opening and closing the receptacle; a hygroscopic medium protected from the atmosphere while the receptacle is open and communicating with the interior of the receptacle when closed, for conditioning the interior of the receptacle to keep the candies dry and glistening for effective display; and means including a device actuated by engagement with the receptacle for placing said medium in communication with the interior of the receptacle when the same is closed.

1,628,109. PRINTING PRESS. GEORGE F. BRYANT, Chicago, Ill., assignor to Electrograph Advertising Service, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1923. Serial No. 673,434. 26 Claims. (Cl. 101—57.)



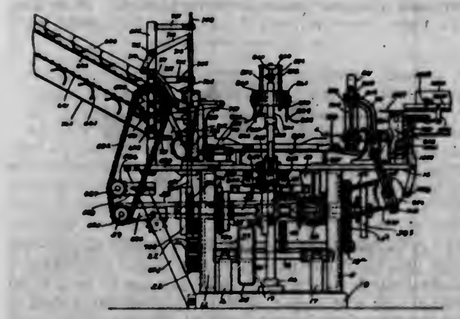
2. In a printing press, the combination of a bed, a slug carrier, means for moving the slug carrier into printing position as an incident to each operation of the press, and means independent of said moving means for locking said slug carrier in printing position and against the printing pressure.

1,628,110. SCALE. JAMES W. BAYCE, Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Mar. 13, 1923. Serial No. 624,708. 10 Claims. (Cl. 265—48.)



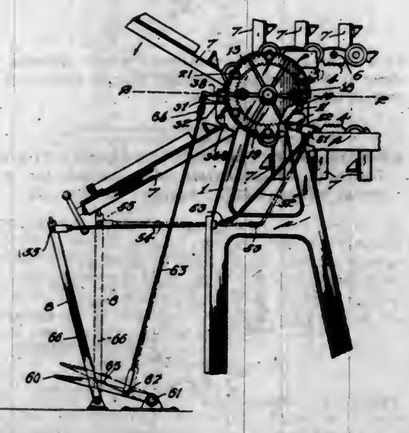
1. A weighing scale comprising in combination, beam weighing mechanism for offsetting a portion of the applied load, automatic weighing mechanism for offsetting the remainder of the applied load, a plurality of capacity weights, means called into action by applied loads in excess of predetermined amounts for applying capacity weights to said beam, a chart having successive series of graduations, means for selecting a series of graduations according to the portion of the applied load offset by said beam weighing mechanism, and means controlled by said automatic weighing mechanism for distinctively disclosing a portion of a selected series in accordance with the applied load.

1,628,111. WRAPPING MACHINE. CARL H. BUNKER, Arlington, Mass., assignor to Mellins Food Company of North America, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1924. Serial No. 699,547. 76 Claims. (Cl. 93—5.)



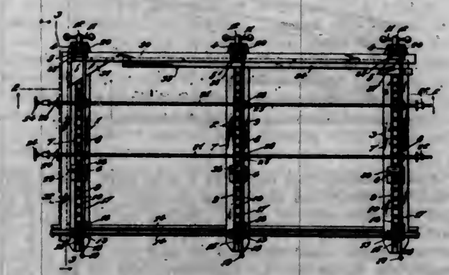
1. A package wrapping machine having a rotary table, means for rotating the table, a supporting cradle mounted upon the table, means for supplying wrapping material to the cradle, mechanism disposed adjacent to the table for depositing spaced daubs of adhesive upon wrapping material carried by the cradle as the latter is brought into operative relation to said mechanism by the rotation of the table means for depositing an article to be wrapped upon the wrapper carried by the cradle, means for folding the wrapper cylindrically about the article, and means for folding in the ends of the wrapper.

1,628,112. CLAMP MACHINE. RAYMOND W. BURNS, Poughkeepsie, N. Y. Filed July 15, 1925. Serial No. 43,790. 41 Claims. (Cl. 144—280.)



1. A clamp machine comprising a frame, a plurality of clamps, means for mounting said clamps on said frame to successively move to and from a predetermined position including a rotatable shaft, a driving member, an operative connection between said shaft and said driving member including a revoluble element, means for holding and releasing said revoluble element, and means to cause rotation of said shaft when said revoluble element is held against turning and to stop rotation of said shaft when said revoluble element is released.

1,628,113. END-CLAMPING DEVICE. RAYMOND W. BURNS, Poughkeepsie, N. Y. Filed July 1, 1926. Serial No. 119,844. 28 Claims. (Cl. 144—291.)

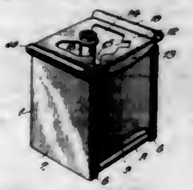


1. The combination with a plurality of main clamps adapted to engage the side edges of a piece of work, and rods on said main clamps adapted to swing each toward and away from the work-receiving surface of its clamp, of an end-clamp mounted on said rods.

1,628,114. SMOKER'S ARTICLE. EDWIN CALDWELL, New York, N. Y. Filed Mar. 11, 1924. Serial No. 698,379. 16 Claims. (Cl. 131—51.)

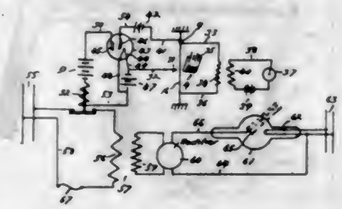
1. A cigar and cigarette support comprising an ash receptacle with an aperture in a wall through which ashes

may be inserted into the receptacle and opposing walls in the aperture of a width slightly less than the diameter



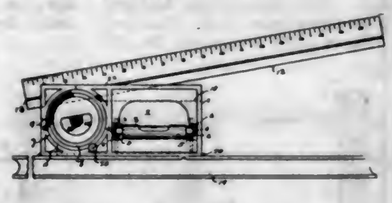
of a cigar or cigarette between which opposing walls a cigar or cigarette when wedged may be supported so as to extend into the receptacle.

1,628,115. ELECTRIC-CIRCUIT CLOSER FOR RELAYS. LLOYD L. CALL, Detroit, Mich. Filed Apr. 17, 1922. Serial No. 554,055. 2 Claims. Cl. 250—34.)



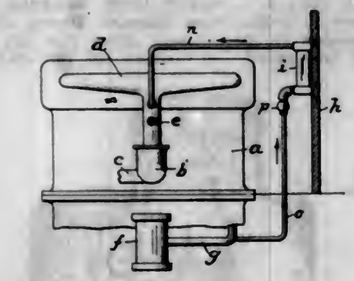
1. The combination with a cricuit and a microphone controlling said circuit, of an auxiliary circuit means for reproducing and amplifying current conditions of the microphone circuit in the auxiliary circuit, an X-ray tube, a control circuit therefor, and a means for reproducing current conditions of the auxiliary circuit in the X-ray tube circuit.

1,628,116. COMBINATION TOOL. LEWIS J. CHERRY, Houston, Tex. Filed July 5, 1922. Serial No. 573,025. 1 Claim. (Cl. 33—88.)



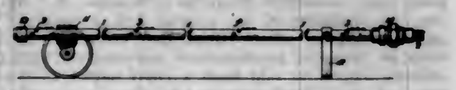
A combination tool including a level base, a protractor head, said head and base being provided, one with a rib and the other with a groove adapted to recive said rib, said head having a cut away portion at one end, a detachable spirit level mounted in said cut away portion, means for adjusting the respective ends of said spirit level, the other end of said head having a circular opening, a graduated disc rotatably mounted in said opening, one side of said head having a long narrow groove and the end of said head adjacent the disc having a transverse groove, a graduated blade seated in said first mentioned groove, said blade having a lengthwise groove in one side, said disc having a central cut away portion and a radial bearing, a thumb nut located in the cut-away portion of said disc, a clamp rod working through said radial bearing in said disc into one end of which said thumb nut is threaded and whose outer end has a catch which is received by the groove of said blade.

1,628,117. APPARATUS FOR LUBRICATING INTERNAL-COMBUSTION ENGINES. ARTHUR LUDLOW CLAYDEN, Ridley Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Jan. 5, 1925. Serial No. 556. 15 Claims. (Cl. 123—196.)



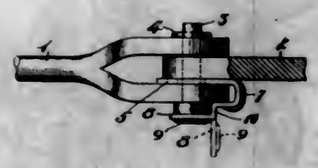
1. Means for preliminarily lubricating an internal combustion engine having a cylinder and an intake passage leading thereto, comprising a lubricant supply, a conduit affording a connection between the supply and said intake passage and means in said conduit adapted under the influence of atmospheric pressure to permit the flow to said passage of a definite amount of lubricant and to prevent the further flow of lubricant to said passage by the suction of the engine.

1,628,118. LAWN-SPRINKLING DEVICE. WALTER H. COLES, Troy, Ohio. Filed Feb. 19, 1924. Serial No. 693,805. 9 Claims. (Cl. 299—19.)



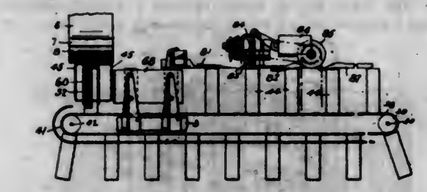
1. An irrigating apparatus comprising: a non-oscillating substantially horizontal distributing member having an upper surface sloping from the vertical, and a plurality, greater than two, of nozzles in the surface of said member at one side of and inclined at different angles from the vertical and so disposed that the space between adjacent nozzles increases as the nozzles are progressively inclined away from the vertical.

1,628,119. SAFETY LOCK FOR BRAKE-ROD PINS. GEORGE THOMAS COOKE, New York, N. Y. Filed Mar. 12, 1926. Serial No. 94,116. 2 Claims. (Cl. 287—100.)



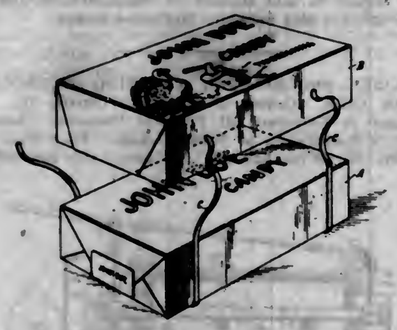
1. As an article of manufacture, a safety retainer for pivot pins and the like for brake rods, comprising a bendable metal strip perforated at one end to form a pin passage, and a U-shaped bend intermediate the length of said strip for fitting snugly over the brake rod, the other end of said strip being bent outwardly to form an offset shoulder, the outer portion of said offset shoulder being bendable to form a retainer for the outer end of the pin.

1,628,120. PACKAGING MACHINE. SIMON COOPER, Brooklyn, N. Y. Filed Mar. 22, 1921, Serial No. 454,429. Renewed Oct. 9, 1926. 29 Claims. (Cl. 93—44.)



1. In a machine of the character described, a traveling mandrel, means for advancing a web of material into position at the side of said mandrel, means for clamping said material against the mandrel, means for severing the material while thus held and means for folding the severed length of material about the mandrel.

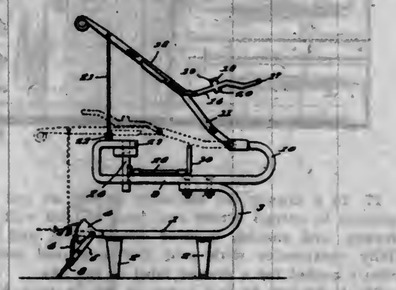
1,628,121. PACKAGE. NATHAN EDWIN COVEL, Newtonville, Mass. Filed July 9, 1925. Serial No. 42,537. 2 Claims. (Cl. 229—8.)



2. As an element of a mercantile package, a box designed to be filled with gift articles, and having an outer covering, displaying suitable information to indicate the nature of said gift articles, and an auxiliary cover displaying information relative to some special occasion, and adapted to be placed over said outer covering whereby the box may be used in forming a package adapted to be sold as a gift package with reference to the special occasion when said auxiliary cover is in place, and as a standard, staple package when the auxiliary cover is removed.

1,628,122. TIRE-PATCHING MACHINE. JULIUS P. CURLS, Coffeyville, Kans. Filed June 18, 1926. Serial No. 116,937. 1 Claim. (Cl. 78—48.)

In a device for the purpose set forth, a leg supported base having one of its ends rounded, a table on said end, said table having an upset end merging into an inwardly directed part which provides a bed, the second end of the table being rounded upwardly and inwardly, an arm pivotally secured to the last mentioned end of the table, said arm having an opening therethrough designed to be arranged over the bed when the arm is swung thereagainst, a washer, a supporting member carried by the lever and arranged transversely with respect to the opening therethrough and having its upper face depressed and its under face grooved around said depression and said grooves designed to receive a washer therein, a lever pivotally secured to the arm, a head on the lever having rightangle cutting surfaces, a boss on the lever opposite the head, a plunger movable through the table and the bed and designed to have seated thereon a rivet, said bed adapted to provide a rest for a tire casing and a patch to be riveted thereto, means for moving the plunger to force rivet through the casing and through the patch, after the arm has been swung to hold the patch and casing on the bed, an eye carrying rod swingably supported on the arm, a segmental rack on one end of the base, a lever pivotally secured on the rack, a swingable dog carried by the lever, a hook on the dog to engage with the eye of the rod, and said first mentioned lever designed to be swung on the arm to bring its head against the projecting end of the rivet to spread said end of the washer, as and for the purpose set forth.



1,628,123. DRAFT APPLIANCE. CLAUDE DAUGHERTY, Butler, Mo., assignor of one-fourth to Lee A. Woods and one-fourth to Elmer D. Cutler, Smithville, Mo. Filed Aug. 10, 1925. Serial No. 49,371. 1 Claim. (Cl. 278—43.)

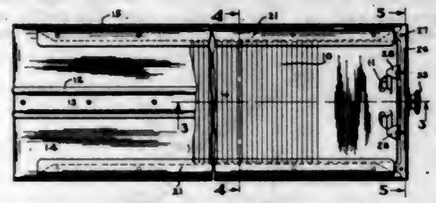


In a draft appliance wherein there is provided a pair of hounds rigidly mounted on the axle of a vehicle, a queen bolt passing transversely through the hounds forwardly of the axle, a frame pivoted on said queen bolt between the hounds forwardly of the axle, a stop on said frame engageable with the hounds adjacent the axle, and a stub tongue rigidly attached to the frame between the hounds; said appliance including a second frame mounted on the outside of one of said hounds, said queen bolt passing through the second frame and therebeyond, a main tongue hinged to the queen bolt adjacent the second frame so as to swing in a plane in parallelism with the plane in which the stub tongue swings, and a curved brace fixed at one end to the main tongue forwardly of the queen bolt and pivotally engaged at its outer end with the queen bolt adjacent the hound which is farthest from the main tongue.

1,628,124. INDEX OR FILE. WILLIAM H. DAY, East Haven, and CLIFFORD R. THOMAS, West Haven, Conn., assignors, by mesne assignments, to Rand Kardex Bureau, Inc., Tonawanda, N. Y., a Corporation of Delaware. Filed Oct. 5, 1921. Serial No. 505,658. 36 Claims. (Cl. 129—16.)

19. A drawer having a front facing member thereon, said member being spaced from the front face of said

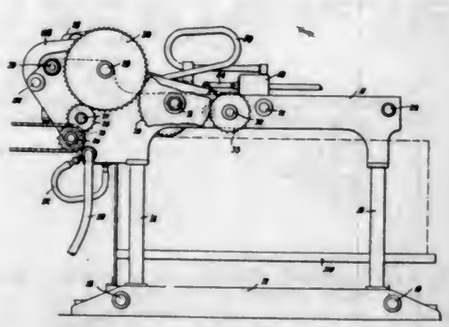
drawer to provide a recess, and a knob secured to said member having securing means passing therethrough and disposed in said recess.



27. In a drawer for an index or file, an end member adapted to extend across and form an end wall on said drawer, and another member spaced from and substantially coextensive with said first-mentioned member to form a pocket for a drawer label or the like.

35. A drawer for an index or file, having a bottom with a substantially flat portion, said bottom being curved upwardly along its side edges, means to secure a plurality of reference members thereon, and means comprising an inwardly projecting part extending longitudinally of the side edges of said drawer and overlying the edges of said reference members.

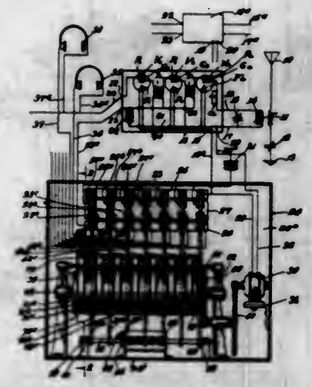
1,628,125. PAPER-FEEDING MACHINE. TALBOT C. DEXTER, Pearl River, N. Y. Filed July 29, 1925. Serial No. 46,700. 30 Claims. (Cl. 271—38.)



1. A paper feeding device comprising a reciprocatory head having a suction chamber and ports for causing paper to adhere thereto, means for reciprocating said head to advance adhering paper, a comb wheel for feeding a sheet of paper toward said reciprocatory head, and means for automatically discontinuing the feeding operation of said comb wheel when a sheet of paper is caused to adhere to said reciprocatory head.

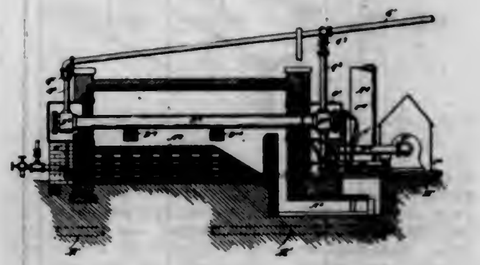
1,628,126. SYSTEM OF DISTRIBUTION OF INTELLIGENCE. LUDWIG M. DIETERICH, New Brunswick, N. J., assignor of sixteen per cent to Robert S. Blair, Stamford, Conn., and twenty-four per cent to William T. Kniesner, New York, N. Y. Filed June 3, 1922. Serial No. 565,641. 23 Claims. (Cl. 179—6.3.)

1. In apparatus of the general nature of that herein described, in combination, a main receiving circuit adapted to be connected to a channel of communication, a receiving translating device, means for connecting said translating device to said main receiving circuit, normally ineffective means for effecting a disconnection of said translating device from said main receiving circuit after the lapse of a predetermined time interval, and means effective upon the making of said connection



adapted to make operative said main receiving circuit with respect to said channel of communication and to make effective said normally ineffective means.

1,628,127. PROCESS FOR TREATING HYDROCARBON OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 17, 1921. Serial No. 523,113. 2 Claims. (Cl. 196—132.)

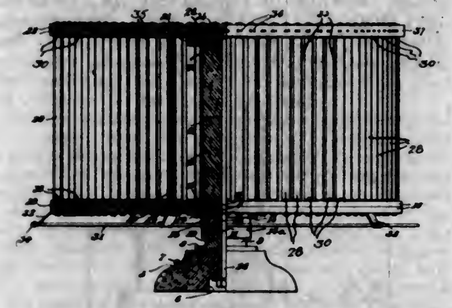


1. The process for cracking hydrocarbon oil, which consists in supplying oil under pressure to a heating zone, in pasing heated oil from the heating zone to a distilling zone, in taking off vapors from the distilling zone, in controlling the quantity of oil supplied to the heating zone by the liquid level of the oil maintained in the distilling zone and in continuously maintaining a local cyclic circulation of the oil undergoing treatment in the heating zone.

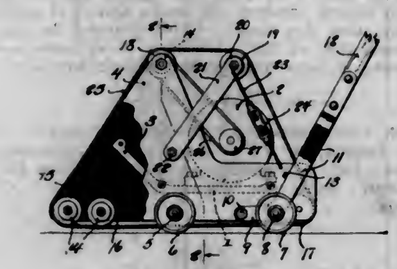
1,628,128. FILING CABINET. FRANK J. DUNN, Elmira, N. Y. Filed Sept. 29, 1925. Serial No. 59,272. 1 Claim. (Cl. 45—3.)

In a rotatable filing cabinet, a central supporting structure comprising a base stand, a bearing block secured to the stand, an inverted cup shaped block rotatable on the bearing block and having a depending annular flange inclosing the upper end of the bearing block, a relatively large disk member axially secured to the upper side of the rotatable block with a central depression therein, a vertical post having a lower end extension seated in the disk depression, a head plate having a depression in its lower face, an end extension on the upper end of the post

received in the head plate depression, a relatively large disk member axially secured to the upper side of the head plate, circumferentially spaced guide rods connecting the outer edges of the disk members, said upper disk member having a central socket in the lower side thereof, there being registering bores in the central supporting structure, a vertical rod extending through said bores with the lower end anchored in the base stand and the upper end extending into the upper disk member socket and means carried by opposite ends of the rod cooperating with the base stand and head plate to retain the superstructure on the base stand.



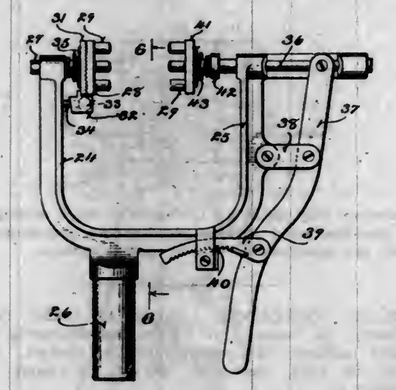
1,628,129. FLOOR SANDER. LOUIS DURR, Milwaukee, Wis. Filed Apr. 16, 1923. Serial No. 632,503. 2 Claims. (Cl. 51—174.)



1. A sanding machine comprising a body portion having belt receiving pulleys, a belt passing over said pulleys and following substantially the exterior outline of said machine, a motor carried by said frame work and driving said belt, a guiding handle having a forked lower end provided with a bell crank lever pivoted to said frame work at its outer end, a pair of supporting rollers pivoted to said lever at its point of union with said handle, and a second pair of rollers pivoted to said machine at a point spaced from said handle, whereby said guiding handle functions in the capacity of a guiding handle and also as means for tilting the frame work to cause said belt to engage or move away from the floor.

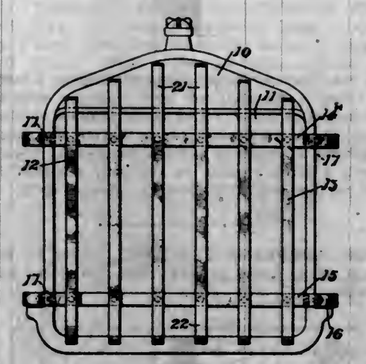
1,628,130. SHOE-REPAIR STAND. EUGENE F. EICHENBERGER, Plymouth, Wis. Filed July 13, 1925. Serial No. 43,311. 1 Claim. (Cl. 12—123.)

A shoe repair device comprising a head having a pair of spaced arms, a pair of aligned shafts carried by said arms and projecting towards each other, clamping heads carried by said shaft and universally mounted upon the ends of said shafts, one of said clamping heads having a rear face contacting with a disc carried by its shaft, a spring urging said disc into frictional engagement with



the associated head, and a stationary member engaging such disc and preventing rotation of the disc while permitting rocking motion thereof.

1,628,131. RESILIENT RADIATOR SHIELD. ROLLIE B. FAGEOL, Oakland, Calif. Filed Oct. 15, 1923. Serial No. 668,600. 4 Claims. (Cl. 293—54.)

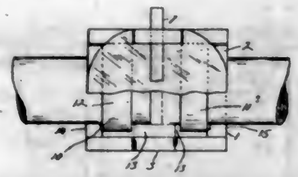


1. A radiator shield comprising loop end bars, means for securing the terminating ends of the loops of the bars to the opposite sides of a radiator shell whereby to dispose the intermediate portions of the bars spaced from the radiator to render the same resilient, and a plurality of shield members disposed at right angles to said bars and supported thereby in a protective position in front of the radiator.

1,628,132. PIPE COUPLING. ALBIN FARNSTROM, Detroit, Mich., assignor of forty-five one-hundredths to Stanley Fons, Royal Oak, Mich. Filed Sept. 24, 1924. Serial No. 739,671. 9 Claims. (Cl. 285—194.)

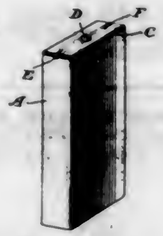
1. In a pipe coupling, the combination with a clamping section having longitudinally extending shoulders at its opposite sides, of a cooperating clamping section having longitudinally extending shoulders at its opposite sides, said sections surrounding adjacent ends of a pair of pipes and means for sealing the gap between the adjacent ends of the pipes including a unitary packing

member surrounding the end of one of the pipes and a separately formed unitary packing member surrounding the end of the other of the pipes and provided with



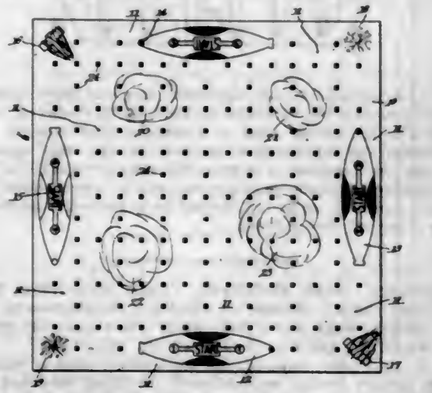
transverse projections at its opposite sides overlapping the first-mentioned packing member and engageable between the shoulders of said clamping sections.

1,628,133. CONTAINER. MONIE A. FERST, Dekalb County, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed Feb. 12, 1924. Serial No. 692,218. 2 Claims. (Cl. 206—1.)



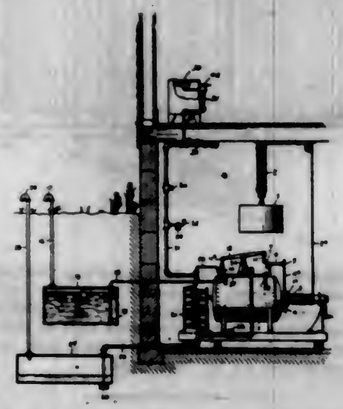
1. A container for pencil leads comprising a body portion having a plurality of lead receiving openings, a flexible swivelled unperforated cover adapted to close the openings and a stationary pin to swivel the cover, the cover having a depressed portion adapted to frictionally lock with a latch opening in the body portion, the depressed portion being unlocked by rotation of the cover.

1,628,134. AIRPLANE CHECKER. DAVID B. FINLAY, Fresno, Calif. Filed Aug. 24, 1926. Serial No. 131,256. 4 Claims. (Cl. 273—131.)



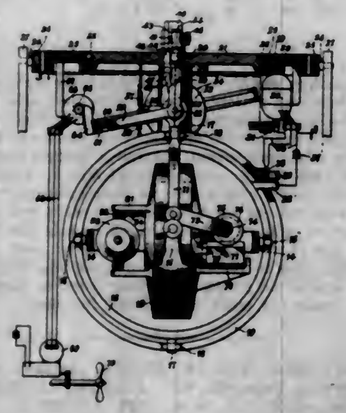
1. A game apparatus comprising a board having one face divided into a series of spaces by dot-like markings, the markings designating the boundaries of the several spaces forming lines extending in a plurality of directions from each of the spaces, certain of the spaces bearing indications of obstacles or dangers incident to aviation, and a plurality of games pieces, individually representing airplanes, adapted to be moved over said spaces on the aforesaid lines provided by the dot-like boundaries of the spaces.

1,628,135. METHOD OF PRODUCING AIR GAS FROM INFLAMMABLE LIQUIDS. HANS FORRSTERLING, Jamesburg, N. J. Filed Mar. 5, 1925. Serial No. 13,069. 7 Claims. (Cl. 48—219.)



6. The method of converting a volatile inflammable liquid into an air gas suitable for heterogeneous combustion without further addition of air, comprising vaporizing the liquid with air in such a proportion that an air gas is directly obtained, the oxygen content of which is slightly above that required theoretically for the complete combustion of the combustible constituents and which ceases to burn upon further dilution with air.

1,628,136. GYROSCOPIC COMPASS. HANNIBAL C. FORD, Jamaica, N. Y., assignor to Ford Instrument Company, Inc., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,417. 39 Claims. (Cl. 33—204.)

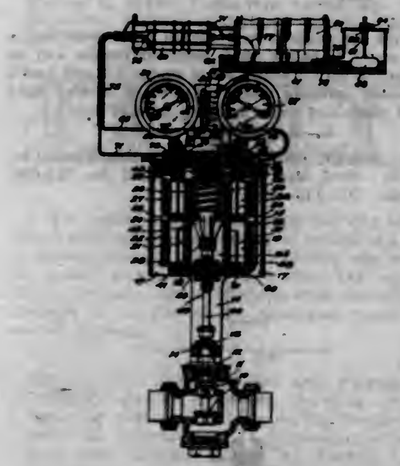


1. The method of preventing deviations of a gyroscopic compass having a gyroscopic element mounted upon a supporting structure to turn about mutually perpendicular axes, due to the effect on the element of the movement over the surface of the earth of the craft on which the compass is mounted, which method consists in applying about the axis of the gyroscopic element about which such deviations occur a torque of such value as to cause the element to precess about the other axis at a rate equal to the meridional component of the angular velocity of the craft over the surface of the earth.

12. In a gyroscopic compass for use on a moving craft and provided with a gyroscope mounted upon mutually perpendicular axes, the combination of means for applying to the gyroscope about one of the axes a torque which varies as the cosine of the heading of the craft and a function of the speed of the craft.

22. In a meridian seeking gyroscopic compass for use on a moving craft and including a gyroscope having means for orientation normally responsive to north-south movement of the craft and to the earth's rotation, the combination of a cam member adapted to be displaced in accordance with changes in course or speed of the craft, an arm coacting with the cam member, a mass movably mounted with respect to the gyroscope and normally ineffective thereon, and a viscous fluid device having a part connected to the arm and a part connected to the mass for displacing the mass while the cam member is undergoing changes in position to compensate for the effect upon the gyroscope of changes in speed of the craft.

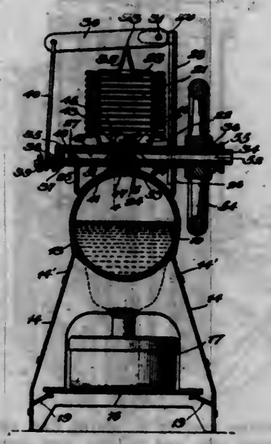
1,628,137. REGULATING DEVICE. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Aug. 30, 1922. Serial No. 585,328. 46 Claims. (Cl. 236—44.)



1. In a humidity controlling device, the combination of means for regulating the supply of moisture and means for operating said regulating means responsive to the wet and dry bulb temperatures of the air, said operating means including juxtaposed and axially aligned expansible and collapsible vessels the interiors of which are annular in cross section so as to provide aligned chambers extending throughout the length of said vessels.

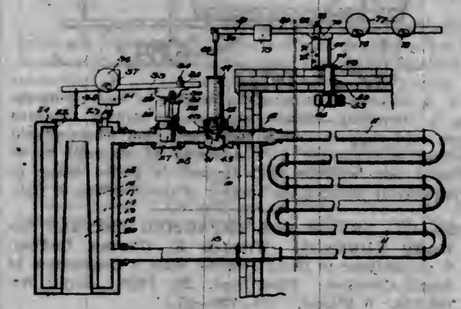
1,628,138. STEAM ENGINE. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Feb. 14, 1924. Serial No. 692,805. 12 Claims. (Cl. 121—48.)

9. A toy steam engine including an expansible and collapsible vessel having a stationary end wall mounted on a container for a motive fluid and a movable end wall, a rotatable tubular shaft interposed between said stationary end wall and said container and adapted to alternately open communication between said container



and said vessel and to exhaust said vessel through said shaft to the air, and means cooperating with said movable end wall for rotating said tubular shaft.

1,628,139. THERMOSTATICALLY-REGULATED INCUBATOR. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed June 16, 1924. Serial No. 720,484. 8 Claims. (Cl. 236—4.)

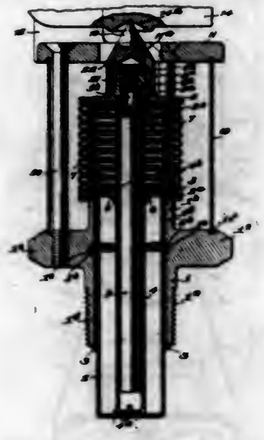


1. In an incubator, in combination with the incubator casing, means for regulating the temperature within said casing including a valve and a lever for operating the same, a sleeve projecting through the casing wall, an adjustable fulcrum plate for said lever clamped in position by said sleeve, a thermostat adjustably mounted on the inner end of said sleeve, and a rod projecting freely through said sleeve and contacting the movable wall of said thermostat and said lever.

1,628,140. DAMPER REGULATOR. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Aug. 7, 1925. Serial No. 48,895. 18 Claims. (Cl. 297—8.)

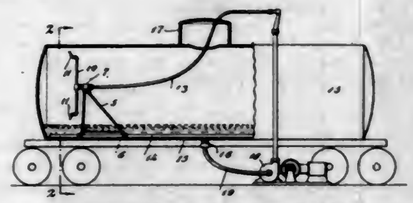
1. A regulator comprising, in combination, a frame, a thermosensitive bulb and an expansible and collapsible

bellows secured to said frame, a guide tube and guide rod associated with the ends of said bellows, said rod



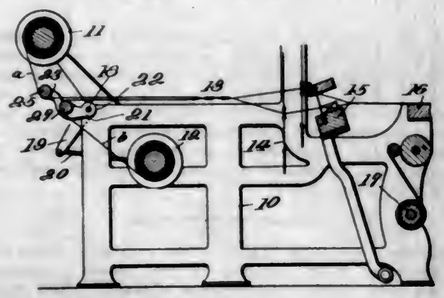
having a passage whereby a volatile fluid may be introduced into said bulb and bellows, and means actuated by the expansion and contraction of said bellows.

1,628,141. CLEANING DEVICE. HIRAM LIGGETT GRAY, Scarsdale, N. Y., assignor to Oakite Products, Inc., New York, N. Y., a Corporation of New York. Filed May 20, 1925. Serial No. 31,584. 7 Claims. (Cl. 141—1.)



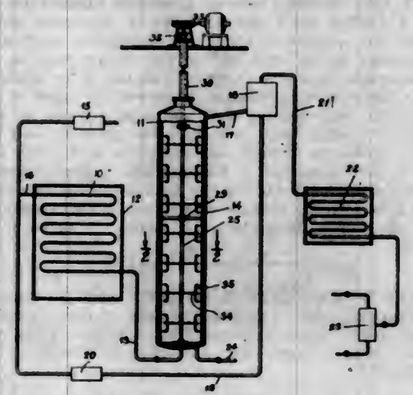
1. A device for cleaning the interior of tanks comprising a travelling foldable support, a sprayer mounted upon said support and a hose connection whereby said sprayer is connected with a source of material to be sprayed and whereby said support is pulled along to progressively advance the sprayer in the direction of pull.

1,628,142. DEVICE FOR IMPARTING CRINKLE TO WARP THREADS. WILLIAM K. GUNTER, Gaffney, S. C., assignor to Derry Damask Mills, a Corporation of South Carolina. Filed Sept. 28, 1926. Serial No. 138,264. 6 Claims. (Cl. 139—97.)



1. A device for imparting crinkle to warp threads comprising an oscillatory whip roll arm adapted to be located intermediate between the upper and lower warp beams, said arm having means for supporting a plurality of whip rolls in spaced relation with respect to each other but out of alignment with respect to the axis of oscillation of said arm, so that the thread of one whip roll will be under less tension than the thread of the other whip roll when the arm is oscillated whereby a crinkle will be produced in the first mentioned thread.

1,628,143. TREATING HYDROCARBONS. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Sept. 15, 1923. Serial No. 662,820. 1 Claim. (Cl. 196—135.)



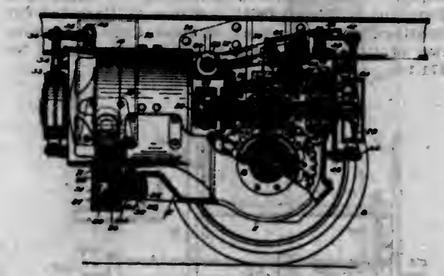
Apparatus for cracking hydrocarbon oils, comprising a cracking vessel, a hollow shaft mounted therein and in communication with a source of oil supply for said vessel and rotatable spraying means adapted to receive fluid from said shaft and to be actuated by said fluid.

1,628,144. SCREW DRIVER. WILLIAM HERRMANN, Chicago, Ill. Filed May 16, 1924. Serial No. 713,696. 3 Claims. (Cl. 145—52.)



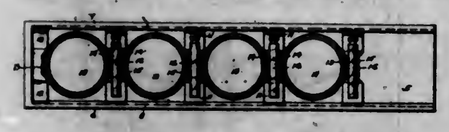
1. In a screw driver of the class described, the combination of a shank, a pair of springs, one of which abuts against a flange on said shank, a collar slidable on said shank between said springs, gripping fingers connected to said collar, and an operating sleeve engaging the other spring slidable over said collar and said gripping fingers for rocking said fingers relative to said collar.

1,628,145. VEHICLE. JOHN H. HERTNER and EDWARD H. REMDE, Cleveland, Ohio, assignors to The Baker-Raulang Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 30, 1920. Serial No. 420,630. 38 Claims. (Cl. 180—62.)



1. In apparatus of the class described, the combination of a frame, an axle mechanism having wheels for supporting said frame, and a suspension mechanism comprising a pair of compensating members, each mounted on said frame to swing in a direction longitudinally thereof only, and having spaced pivotal connections with said axle mechanism in a longitudinal plane substantially midway between said wheels.

1,628,146. DISPLAY RACK FOR FACE POWDERS. TARVIN A. HOOPS, Cody, Wyo. Filed Apr. 13, 1926. Serial No. 101,643. 5 Claims. (Cl. 211—28.)



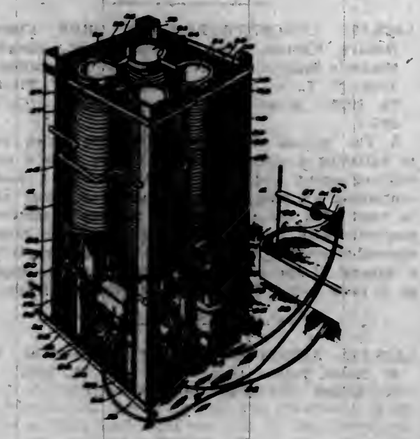
1. The combination with a supporting tray adapted to receive packages of substances to be vended, of a plurality of spacing elements associated therewith and separating the several packages from each other and sample containing elements carried by the spacing elements for the reception of samples of the substances carried in the several packages.

1,628,147. PAD FOR IRONING AND PRESSING MACHINES. GEORGE C. HOUCK, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Feb. 14, 1923. Serial No. 618,999. 1 Claim. (Cl. 68—9.)



A pad for ironing and pressing machines, comprising a base plate, padding mounted on the base plate, having a covering for the padding, the base plate being formed with depressions at its lower face, and prongs extending across the depressions and inwardly toward the center of the plate, the prongs being located substantially in the plane of the base plate, and the covering having its margin folded under the base plate and caught on said prongs.

1,628,148. ARC-WELDING MACHINE. GROVER CLEVELAND HUBBLE, Bonners Ferry, Idaho. Filed Mar. 20, 1926. Serial No. 96,324. 49 Claims. (Cl. 171—119.)

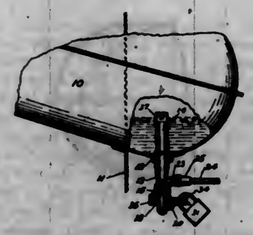


1. In an alternating current electric arc forming circuit including a source of alternating current supply, a reactance disposed between each terminal of the arc and the poles of the alternating current supply, and means adapted to be controlled at will and remotely from the coils for regulating the voltage and amperage across the arc.

1,628,149. MANUFACTURE OF MALLEABLE NICKEL. NOAK VICTOR HYBINETTE, Ottawa, Ontario, Canada. Filed Jan. 17, 1921. Serial No. 437,996. 5 Claims. (Cl. 204—14.)

1. The process of producing malleable nickel by electrodeposition, which comprises maintaining the electrolyte in condition by withdrawing it from the electrolytic tank, subjecting it to a boiling operation, and returning it for further use.

1,628,150. FUEL-RESERVE-SUPPLY SYSTEM FOR MOTOR VEHICLES. FRANCIS JEADONE, Jr., Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 31, 1923. Serial No. 683,683. 2 Claims. (Cl. 158—46.5.)



1. In combination with a liquid tank, a rotary valve comprising a casing secured to the bottom of said tank, a stem within said casing having a shoulder thereon coacting with a portion of said casing to prevent downward withdrawal of said stem, a packing nut engaging said casing and the lower part of said stem for preventing leakage, a downwardly removable handle on said stem below said packing nut, an extension upon said

casing, and means for locking the handle to said extension whereby downward movement of said handle on said stem is restricted and said valve component parts are locked together as a unit.

1,628,151. CONCENTRATION OF ORES. CORNELIUS HORACE KELLER, San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Filed Nov. 24, 1925. Serial No. 71,226. 9 Claims. (Cl. 209—167.)

1. The process of concentrating ores which consists in agitating a suitable pulp of an ore with a mineral-frothing agent and with a xanthate and a substance containing an anion group including a metal adapted to react with the xanthate and produce a substance to cooperate with the mineral-frothing agent to produce a mineral-bearing froth containing a large proportion of a mineral of the ore, said agitation being so conducted as to form such a froth, and separating the froth.

1,628,152. AUTOMOBILE LIGHT DEFLECTOR. MASON H. KERN, Toledo, Ohio. Filed July 15, 1925. Serial No. 43,664. 3 Claims. (Cl. 240—41.)



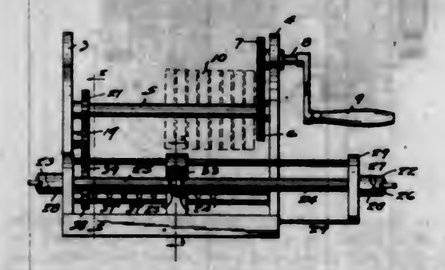
1. In an automobile lamp, a lens, a plano-convex area located on the lower portion of the glass, the convex area being formed in the outer surface of the glass and substantially elliptical in outline, the major axis of the ellipse being in a substantially horizontal plane, the upper portion of the glass having a plurality of semi-circular prismatic ridges formed on the inner surface, two sources of light and means for tilting the lamp to direct the rays from one source through one of the said portions to the road and for tilting the lamp to direct the rays from the other of the said sources through the other of said portions to the road.

1,628,153. AUTOMOBILE HEADLIGHT. MASON H. KERN, Toledo, Ohio. Filed Sept. 19, 1925. Serial No. 57,402. 1 Claim. (Cl. 240—41.)



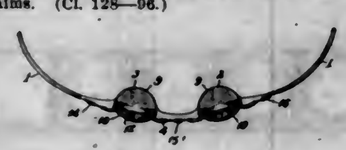
In an automobile lamp, a shell, means for turning the shell for moving its upper edge portion towards and away from the road, a main reflector located in the shell and having its axis coincident to the axis of the sell, a main electric bulb located substantially in the axis of the main reflector, a thin convex lens of uniform thickness located substantially at right angles to the axis of the shell, an auxiliary reflector located so that its axis is located substantially in the plane of the edge of the lamps, and a secondary bulb located in front of the auxiliary reflector and below the axis of the shell, a source of current and means whereby the circuit is switched from the main bulb to the secondary bulb upon tilting the shell.

1,628,154. CALCULATING MACHINE. CLARENCE L. JOHNSTON, Oakland, Calif., assignor to Marchant Calculating Machine Company, Oakland, Calif., a Corporation of California. Filed May 20, 1921. Serial No. 471,180. 1 Claim. (Cl. 235—130.)



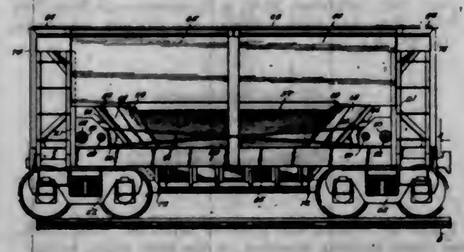
In a machine having alinged shafts, and an organized mechanism associated therewith; means for axially relatively moving the shafts, and means operative by and upon said axial movement of either shaft to lock the said mechanism.

1,628,155. ABDOMINAL TRUSS. JAMES O. KING, Cleveland, Ohio. Filed Feb. 27, 1924. Serial No. 695,561. 9 Claims. (Cl. 128—96.)



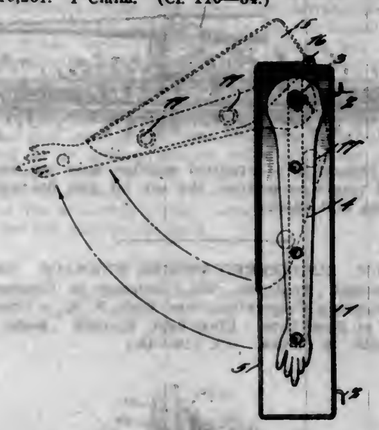
2. In an all metal abdominal truss, a hollow pad having a wire receiving aperture and a helical wire spring band having the convolutions of one free end screwed into said aperture and its other end secured to a swivel connector included in said band.

1,628,156. HOPPER CAR. PAUL KLEMOFF, Chicago, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed Mar. 26, 1926. Serial No. 97,658. 32 Claims. (Cl. 105—250.)



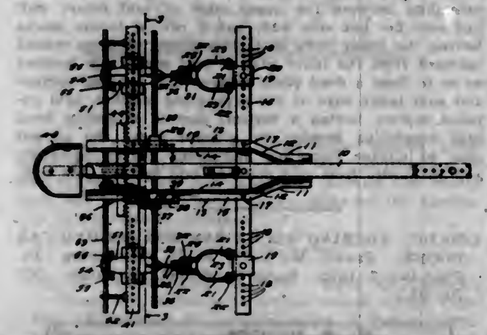
8. A hopper, the walls of which are disposed in a general rectangular arrangement, the inner surfaces of certain of said walls at the corners of the hopper extending progressively from their upper to their lower end-portions at an increasing angle to the median line of the car.

1,628,157. HOLLOW-ARM SIGNAL. KURT KOENIGSBERG, Seattle, Wash. Filed May 19, 1926. Serial No. 110,261. 1 Claim. (Cl. 116—54.)



In a signal, a housing, a signal arm movable within the housing and capable of being projected beyond the housing, and a protecting cover pivoted on the housing and movable with the arm, means for illuminating the arm, said cover being formed with openings to register with the arm illuminating means when the arm is in operative position.

1,628,158. AGRICULTURAL IMPLEMENT. CHARLES H. KRENGEL, Twin Falls, Idaho. Filed May 18, 1926. Serial No. 109,971. 8 Claims. (Cl. 97—55.)



1. In a corrugating machine, a frame including longitudinally extending members, longitudinally spaced transversely extending bars secured to the longitudinally extending members and having their ends projecting therebeyond, a shovel beam pivotally connected with each end of the foremost transverse bar by a connection adjustable longitudinally along the bar, a packer wheel mounted in bearings secured to the rearmost bar, the bearings being adjustable along the bar to permit the packer wheels to align with the shovels, a transverse shaft rotatably mounted in bearings supported from the longitudinally extending members, arms adjustable longitudinally of said shafts and connections between said arms and the associated shovel beams.

1,628,159. TEMPORARY BINDER. JOHN S. LACEY, Columbus, Ohio. Filed Feb. 13, 1924. Serial No. 692,608. 10 Claims. (Cl. 129—1.)

1. A temporary binder for an assemblage of record leaves which have been removed, with their supporting posts, from a loose-leaf binder, comprising relatively separable cover-supporting members, having opposed channeled sides to freely accommodate the ends of the said posts, covers supported thereby, and means operable to relatively adjust the said members to position clamping the assemblage and to position spaced from the opposite

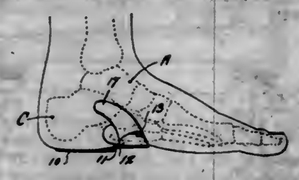


sides of the assemblage and clearing the ends of the posts, whereby, in the latter instance, to permit of removal of a blank leaf from one side of the assemblage and the placement of a written leaf at the other side of the assemblage.

1,628,160. PREPARATION AND DYEING OF LEATHER. MORRIS CHARLES LAMB, Bermondsey, London, England. Filed June 9, 1925, Serial No. 36,052, and in Great Britain Apr. 27, 1925. 5 Claims. (Cl. 8—5.)

1. In the dyeing of leather, treating the leather with an emulsion of hydrogenated naphthalene and with a dyeing agent.

1,628,161. ARCH SUPPORTER. OSCAR J. LE BOEUF, Gary, Ind. Filed Mar. 13, 1926. Serial No. 94,502. 5 Claims. (Cl. 36—71.)

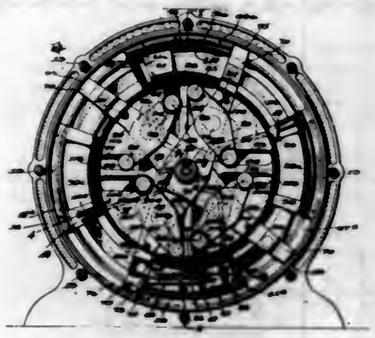


1. An arch support of the character described consisting of a heel plate having a forward portion adapted to extend beneath the instep of the foot, and having attached to its forward end a transversely curved member extending upward and outward on each end, the inner end of the curved member being higher than the outer end thereof, the curved member being thereby adapted to extend beneath the astragalus and at its inner end extend upward and rearward opposite the astragalus, the heel plate being so formed as to cause said curved plate to be disposed beneath the ankle bone.

1,628,162. ROTARY ENGINE. JOHN A. LEHNERT, Howard, S. Dak. Filed Mar. 26, 1925. Serial No. 18,603. 30 Claims. (Cl. 123—11.)

2. In a rotary internal combustion engine, a housing, a shaft, a pair of spaced cooperating rotor plates keyed to the shaft, said plates adjacent their peripheries being provided with circular grooves, cylinders mounted in a fixed spaced relation in the grooves and adapted to move

with the rotor plates, pistons mounted in each cylinder, oscillating bars loosely mounted on the shaft, means on the oscillating bars and means in the plates and housing



and cooperating with the means on the bars for causing oscillation of the bars and pistons independently of the rotary movement of the rotor plates.

1,628,163. PURIFYING COMPOSITION FOR COUNTERACTING THE FORMATION OF SCALE IN BOILERS. HANS LILLEJORD, Trondhjem, Norway, assignor to A/S Norsk Kjelerensningsmiddel Ideal, Kirkegaten, Oslo, Norway. Filed Apr. 10, 1926. Serial No. 101,205. 2 Claims. (Cl. 87—27.)

1. A purifying composition for counteracting the formation of scale in boilers which consists of caustic soda, sodium carbonate, and quebracho in a water solution.

1,628,164. AUTOMATIC RIBBON-REVERSING MECHANISM FOR CASH REGISTERS. WALTER E. LIPPERT, Ilion, N. Y., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed Jan. 31, 1924. Serial No. 689,760. 16 Claims. (Cl. 197—162.)



1. In a machine of the class described ribbon mechanism comprising a pair of rotatable spools adapted to be rotated in either direction, friction means tending to turn one of said spools in a constant direction on each operation of the machine, means for rotating the other of said spools in either direction, and a pair of detents for said last mentioned spool adapted to be alternatively rendered effective under control of said rotating means.

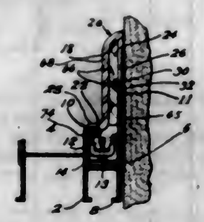
1,628,165. SYSTEM OF MOBILE ARMAMENT. LAWRENCE W. LUELLEN, Mountain Lakes, N. J. Filed May 26, 1917. Serial No. 171,158. 33 Claims. (Cl. 89—40.)

1. The combination of a railroad track, including a main track, a car body, wheeled trucks therefor, a gun mounted thereon, supplemental track supports adjacent the main track, adapted to withstand recoil shocks incident to gun fire and means on the car body adapted



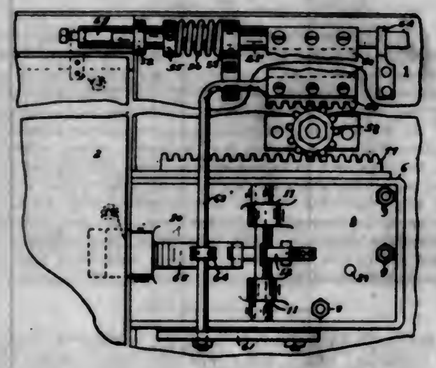
to be brought into supported position upon the supplemental tracks to position the car for gun fire and to transmit said shocks.

1,628,166. UNDERFEED STOKER FURNACE. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1922. Serial No. 587,050. 8 Claims. (Cl. 110—44.)



6. An underfeed stoker furnace having, in combination, a fuel retort having its outer wall spaced from the side wall of the fire box of the furnace, a supporting member extending between the upper edge of said retort wall and said fire box side wall, and a row of tuyère blocks having the lower ends of their exposed surfaces spaced outward from the inner edge of said supporting member so as to form a dead plate between said exposed surface and said inner edge of the supporting member, said exposed surface having a vertical portion extending from said supporting member to a point above the normal zone of clinker formation and being curved upwardly and outwardly from said point to said fire box side wall.

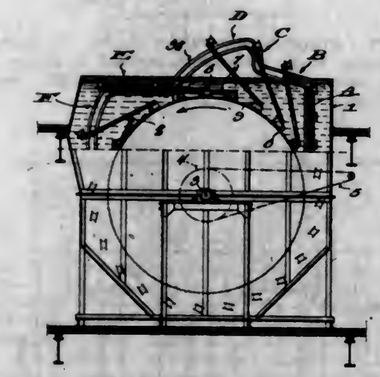
1,628,167. LOCKING MECHANISM FOR SLIDING CAR DOORS. FRANK MACHAVA, South Greensburg, Pa. Filed Oct. 7, 1925. Serial No. 60,988. 2 Claims. (Cl. 70—31.)



1. In a locking mechanism for a railroad car sliding door, the combination of a casing being adapted to be secured to the wall of the car and provided with a cover,

a latching bar pivotally connected at its rear end in said casing, a yoke pivotally connected in said casing and engaging the inner side of said latching bar, said cover having a hinged forward portion shiftable inwardly to the open position to permit of the inward lateral movement of the forward end of said latching bar to the locking position, means carried by said car door and engaging said hinged cover portion for releasing the latter when said car door is shifted to the closed position, a spring mounted in said casing and engaging the outer side of said latching bar for shifting the latter laterally inward to the locking position when said cover portion is released, and key bolt mounted in said casing and operable to actuate said yoke for shifting said locking bar to the unlocking position, substantially as described and for the purpose set forth.

1,628,168. TESTING AND DEFLATING MACHINE. SVEN MALKE, Milwaukee, Wis. Filed June 30, 1926. Serial No. 119,780. 11 Claims. (Cl. 73—51.)



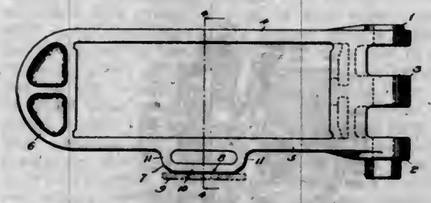
1. In a machine for operating upon inflated inner tubes provided with filling valves, the combination of means for receiving the tubes and holding the valves open, and means for deflating the tubes by the application of hydrostatic pressure.

1,628,169. COMPOUND GAUGE. BERT MCCLELLAND, Perkasie, Pa., assignor to United States Gauge Company, Sellersville, Pa., a Corporation of Pennsylvania. Filed Nov. 6, 1924. Serial No. 748,080. 6 Claims. (Cl. 73—109.)



3. In a compound gauge the combination with a pointer pinion and spindle, and a pointer mounted thereon, of two arms loosely mounted on the pinion shaft and spring impelled in opposite directions, a fixed stop towards which said arms are impelled, and means extending from the pinion into the path of the said arms and on opposite sides of the same for holding the pointer at zero when the arms are in contact with the stop.

1,628,170. DRAFT YOKE. WILLIAM MCCONWAY, Jr., Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 9, 1925. Serial No. 35,933. 2 Claims. (Cl. 213—72.)

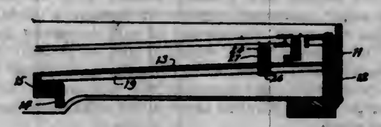


1. A draft yoke closed at its rear end and formed at its forward end for connection with a car coupler, said yoke being provided with spaced arms adapted to receive a cushioning device between them, and being provided with a lug offset outwardly from the outer face of the adjacent yoke arm, said lug comprising a bearing portion and a plurality of spaced columns, said bearing portion being adapted to contact a draft gear carry iron and being spaced outwardly from the adjacent yoke arm and being integrally united to the later by said columns.

1,628,171. FIREPROOF COMPOSITION. ABE MCINTYRE, Billings, Mont. Filed Feb. 15, 1926. Serial No. 88,461. 6 Claims. (Cl. 134—44.)

2. A fire-proof composition comprising a reaction product formed from a mixture of asbestos, flour, lye, and salt the flour being affected by the chemical action of the lye.

1,628,172. PIANO CONSTRUCTION. CHARLES MEHLIN, Fort Lee, N. J. Filed Aug. 3, 1923. Serial No. 655,421. 7 Claims. (Cl. 84—192.)

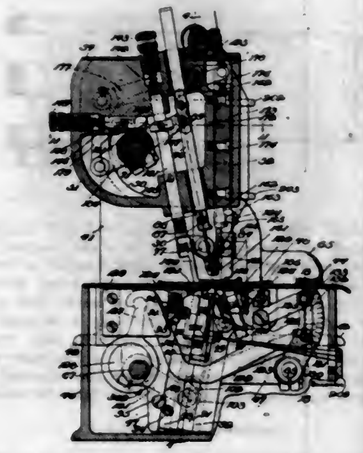


4. In a piano, the combination of a rim, a sound board secured at three sides to said rim, a rail supporting said sound board at the fourth side, and ribs reinforcing said sound board and engaged in said rail and said rim and of full thickness throughout their length, said sound board being cut away to provide a free edge at right angles to the grain thereof.

1,628,173. SEWING MACHINE. ARTHUR A. MERRITT, Edgewood, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1918, Serial No. 209,987. Renewed Oct. 4, 1926. 55 Claims. (Cl. 112—197.)

36. In a sewing machine, the combination of a first looper and a second looper operating one above the other on opposite sides of the work respectively with means reciprocating said loopers across the path of seam formation, a first set of thread carrying needles and means reciprocating them in an inclined path passing to the rear of the first looper and in front of the second looper, and a second set of thread carrying needles and means reciprocating them in an inclined path passing to the rear of the second looper and in front of the first looper, one of said loopers operating to engage loops of thread projected through the work by the first set of needles

and to extend loops of thread across the seam into position for the second set of needles to pass therethrough, and the other looper operating to engage loops of thread

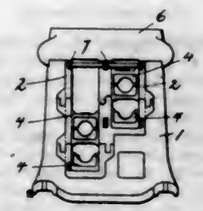


projected through the work by the second set of needles and to extend loops of thread across the seam into position for the first set of needles to pass therethrough.

1,628,174. METHOD OF TREATING ALUNITE. THOMAS AUSTIN MITCHELL, Denver, Colo., assignor to Lafayette M. Hughes, Denver, Colo. Filed Aug. 9, 1922. Serial No. 580,689. 14 Claims. (Cl. 23—52.)

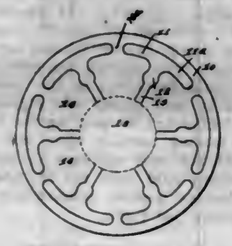
1. The method of treating alunite comprising the steps of mixing raw crushed alunite with an alkaline earth metal compound capable of forming a sulfate by reaction therewith, the amount of said compound present being in excess of that which is the equivalent of the aluminium in the alunite for forming an alkaline earth metal aluminate, and calcining the mixture to form an aluminate having alkaline earth metal sulfate interspersed therethrough.

1,628,175. ROLLING MILL. FRITZ MÖLLER, Dusseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a Corporation of Germany. Filed Mar. 11, 1926. Serial No. 93,832, and in Germany Mar. 13, 1925. 2 Claims. (Cl. 80—55.)



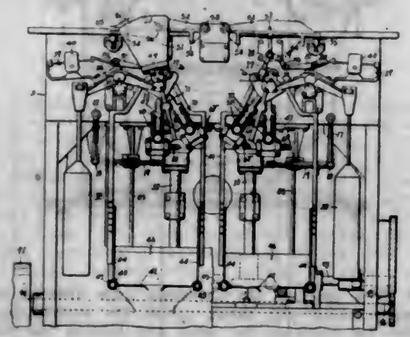
1. In a double two high mill, the combination with the housing, of a single exchangeable frame, a plurality of sets of rolls rotatably journalled in said frame, and a central partition provided between said sets of rolls and forming a portion of said frame.

1,628,176. BASKET. CHARLES R. MOAT, New York, N. Y. Filed Oct. 28, 1925. Serial No. 65,488. 12 Claims. (Cl. 220—83.)



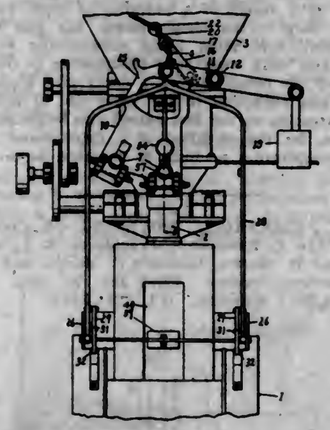
1. A sheet metal basket consisting of a horizontal base, a container made of lattice work integrally formed upon said base, and a pedestal beneath said base also made of lattice-work formed integrally upon said base.

1,628,177. FILLING MACHINE. LEWIS D. NELSON, Coldwater, Mich., assignor of one-half to Robert M. Neale, Union City, Mich. Filed June 18, 1925. Serial No. 37,955. 38 Claims. (Cl. 249—60.)



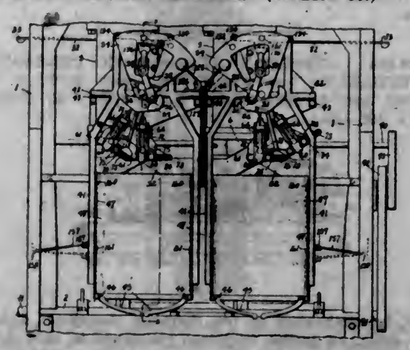
1. In a structure of the class described, the combination of a feed means including a feed valve, a cam for actuating said valve, a weighing mechanism including a scale beam, a platform operatively associated with said scale beam, a carrier pivotally mounted on said scale beam for vertical and oscillating movement, a yoke on the upper end of said carrier having seats on opposite sides of the carrier pivot, a pivotally mounted actuating lever coacting with said yoke to actuate said carrier as the lever is actuated and to hold it in its actuated position when said scale beam is in its initial position, an actuating cam for said lever, a rock shaft provided with an arm operatively connected to said actuating lever, a pitman operatively associated with said control cam, said rock shaft having a second arm to which said pitman is connected, a pair of driving ratchets, driven members operatively connected to said valve and lever actuating cams and provided with pawls coacting with said driving ratchets, a pivotally mounted trip lever operatively connected to said platform and provided with tripping tappets coacting with said pawls, a cam operatively associated with one of said driven members coacting with said trip lever to insure complete actuation of the mechanism, a counterweight on said actuating lever, a pivotally mounted stop member provided with a central stop recess and a pair of spaced stops, stop pins on said counterweight adapted to alternately engage with said stop recess and with said stops on said stop member, said stop member being provided with a support for its swinging end and whereby the stop pins remain in engagement with the stop recess during the initial downward movement of the scale beam, and spouts pivotally mounted on said carrier to be alternately brought into operative relation with said feed means.

1,628,178. WEIGHING AND FILLING MACHINE. LEWIS D. NELSON, Coldwater, Mich., assignor of one-half to Robert M. Neale, Union City, Mich. Original application filed Mar. 20, 1924, Serial No. 700,567. Divided and this application filed Aug. 17, 1925. Serial No. 50,722. 10 Claims. (Cl. 249—60.)



1. In a structure of the class described, the combination of feed means having a feed opening, a weighing mechanism comprising a scale beam, a combined carrier and valve member mounted on said scale beam for oscillating and vertical movement, spouts pivotally mounted on said member to be alternately brought into operative relation to said feed opening, a keeper with which said spouts engage when in operative position, means for releasing said spouts from said keeper on the downward movement of said member, a tilting platform carried by said scale beam, a latch for holding said platform in erected position, and a trip with which said latch is engaged on the downward movement of said platform.

1,628,179. BAG-FILLING MACHINE. LEWIS D. NELSON, Coldwater, Mich., assignor of one-half to Robert M. Neale, Union City, Mich. Filed May 12, 1926. Serial No. 108,504. 22 Claims. (Cl. 249—60.)



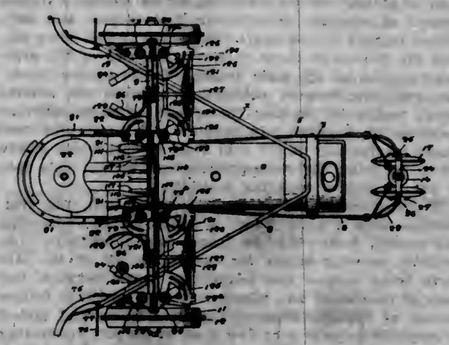
1. In a structure of the class described, the combination of a feed means including a valve, means for actuating said valve including a cam, a rockshaft provided with an arm coacting with said cam and a second arm connected to said valve by a link, a weighing mechanism including a scale beam, a scale frame carried by said scale beam, a carrier pivotally mounted on said frame for oscillating movement, spouts mounted on said carrier to be alternately brought into operative relation with said feed means, a yoke on said carrier having seats on opposite sides of the carrier pivot, a pivotally mounted actuating lever coacting with said yoke to actuate said carrier as the lever is actuated, an actuating cam for said lever, a rockshaft carrying said lever, said rockshaft being provided with an arm, a pitman connected to said arm and operatively associated with said lever actuating cam, a driving ratchet, a driven member operatively connected to said valve and lever actuating cams and provided with a pawl coacting with said driving ratchet, a trip member for said pawl operatively associated with said scale beam for releasing the pawl when the scale beam is in its initial position, a friction brake means operatively associated with said driven member, and a positioning means for said driven member adapted to act after its said pawl is disengaged.

1,628,180. FIRE-ARCH CONSTRUCTION. JOHN L. NICHOLSON, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a Corporation of Delaware. Filed June 25, 1923. Serial No. 647,422. 4 Claims. (Cl. 110—87.)



1. The combination with a fire box and an internal waterleg therein of a refractory arch across the fire box comprising fire brick resting on said waterleg and recessed adjacent the same to afford passage for gases through the arch in contact with the water leg.

1,628,181. CULTIVATOR. J. HARTLEY NIXON, Woodstown, N. J. Filed Feb. 26, 1925. Serial No. 11,810. 29 Claims. (Cl. 97—47.)



1. In a cultivator of the class described, the combination with a main frame, a power driven supporting and driving means for the frame, and a manually controllable steering means for the frame in advance of the steering means, all of the said parts being narrow and adapted to travel between two rows of plants; of a wheel supported auxiliary frame located adjacent the rear of the main frame at one side thereof and arched to pass over a row of plants; two sets of ground engaging cultivating

tools carried respectively by the main frame and the auxiliary frame; means for adjusting the tools carried by the main frame vertically in parallelism; and other means supported in part on the auxiliary frame and operable from the main frame for adjusting the tools carried by the auxiliary frame vertically in parallelism.

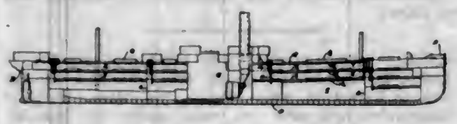
7. In a cultivator of the class described, the combination with a main frame, a power driven supporting and driving means for the frame, and a manually controllable steering means for the frame, all of the said parts being narrow and adapted to travel between two rows of plants; of a wheel supported auxiliary frame located adjacent the rear of the main frame at one side thereof and arched to pass over a row of plants; two closely adjacent angularly adjustable vertical bars carried by the auxiliary frame adjacent the outer side of the last said row; arms connected respectively to the said bars near the lower ends thereof and adapted for carrying cultivating tools; and means for vertically adjusting both of the bars simultaneously together with the arms connected thereto.

14. In a cultivator of the class described, the combination with a main frame, a power driven supporting and driving means for the frame, and a manually controllable steering means for the frame, all of the said parts being narrow and adapted to travel between two rows of plants; of a wheel supported auxiliary frame located adjacent the rear of the main frame at one side thereof and arched to pass over a row of plants; two closely adjacent angularly adjustable vertical bars carried by the auxiliary frame adjacent the outer side of the last said row; arms connected respectively to the said bars near the lower ends thereof and adapted for carrying cultivating tools; two other closely adjacent angularly adjustable vertical bars carried by the main frame adjacent the inner side of the last said row; arms connected respectively to the last said bars near the lower ends thereof and adapted for carrying cultivating tools; two pairs of arms adjacent the upper ends of the bars of the respective pairs; means for holding one arm of each pair in adjusted position; a transverse link connecting the other arm of one pair with the other arm of the other pair; and means comprising a rack and pinion for moving the said link endwise to adjust the last said arms simultaneously.

21. In a cultivator of the class described, the combination with a main frame, a power driven supporting and driving means for the frame, and a manually controllable steering means for the frame, all of the said parts being narrow and adapted to travel between two rows of plants; of two wheel supported auxiliary frames located at opposite sides of the main frame and each arched to pass over a row of plants; four tool arms pivoted for movement about vertical axes, two of the arms being carried by the main frame and two by the respective auxiliary frames; cultivating tools on the several arms; means for locking the several arms in different positions of angular adjustment; and means for vertically moving any of the said arms independently of the others to bring the corresponding cultivating tools into or out of ground engaging position.

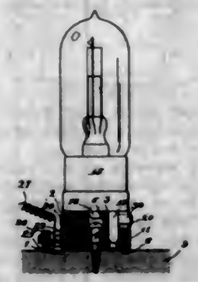
29. In a cultivator of the class described, the combination with a main frame, a power driven supporting and driving means for the frame, and a manually controllable steering means for the frame, all of the said parts being narrow and adapted to travel between two rows of plants; of two wheel supported auxiliary frames located at opposite sides of the main frame and arched to respectively pass over two rows of plants; cultivating tools carried by the main and auxiliary frames respectively and arranged to travel along the opposite sides of the said rows of plants, some of the said tools being normally fixed against lateral movement and others being freely movable laterally; two separate means independently operable from the main frame for laterally adjusting the last said tools on opposite sides of the respective rows simultaneously and in the same directions and means whereby the said normally fixed tools can be laterally adjusted and held in adjusted positions.

1,628,182. APPARATUS FOR DETECTING AND EXTINGUISHING FIRES IN THE CARGO SPACES OF VESSELS. HARRY S. ORR, Alameda, Calif. Filed Sept. 22, 1926. Serial No. 136,952. 2 Claims. (Cl. 169—16.)



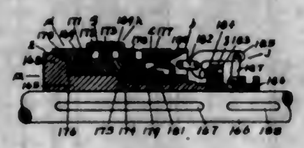
1. The combination with the cargo compartments and the deck of a vessel, of a plurality of pipes extending from the deck to the compartments, one pipe to each compartment, said pipes being substantially vertically disposed and their lower ends terminating in the upper portions of the compartments, a spray pipe horizontally disposed and connected to the lower end of each pipe, and an extension on the first named pipe below the spray connection, for the reception of a thermometer to permit the temperature readings to be taken in each compartment.

1,628,183. ELECTRICAL MOUNTING OR CONNECTER. PYAM L. PENDLETON, Providence, R. I., assignor to Edgar W. Martin, Laurence C. Martin, and George W. Bleecker, trustees. Filed Jan. 24, 1923. Serial No. 614,559. 4 Claims. (Cl. 173—328.)



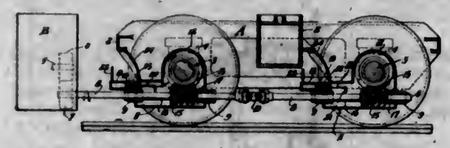
1. An electrical receptacle comprising a block of insulating material provided with parallel holes for receiving the terminals of a vacuum tube, said block having slits leading from its outer surface into the holes and extending longitudinally thereof, and strips of conducting material fastened to the outside of the block and provided with spring fingers having their ends projecting through the slits and radially into the holes in the block.

1,628,184. OVERLOAD AND STRAIN RELEASING MECHANISM. ARTHUR PESTEL, New York, N. Y. Filed Apr. 5, 1921. Serial No. 458,787. 25 Claims. (Cl. 192—56.)



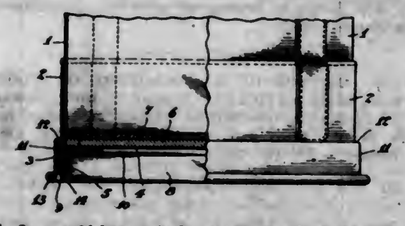
25. In mechanism of the character described, a friction drive, an initial frictional resistance in said drive and means to automatically create an additional frictional resistance on two sets of friction surfaces through said initial resistance in said drive.

1,628,185. DRIVING APPARATUS FOR LOCOMOTIVE BOOSTER MOTORS. FRANK RICHARD PETERS, New York, N. Y., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed June 10, 1924. Serial No. 719,149. 8 Claims. (Cl. 105—119.)



1. In combination with a locomotive booster motor and a plurality of axles to be driven thereby, a shaft driven by the booster motor extending transversely of the axles for interconnecting them, and means for effecting a driving connection between said axles and said shaft which connection is immediately broken when the booster power is cut off.

1,628,186. GOLF-BAG BOTTOM. GEORGE L. PIERCE and HENRY V. RAU, Brooklyn, N. Y., assignors to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Jan. 22, 1926. Serial No. 82,893. 4 Claims. (Cl. 150—1.5.)



1. In a golf bag, a body, a bottom piece, an attaching ring secured to said body, and a bottom ring having an inwardly extending supporting portion engaging said bottom piece, said bottom ring being attached to the bag solely by being rolled with the attaching ring to form a bead.

1,628,187. WINDOW CONSTRUCTION. FRANCIS J. PLYM, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a Corporation of Michigan. Filed Aug. 21, 1922. Serial No. 583,081. 4 Claims. (Cl. 20—42.)



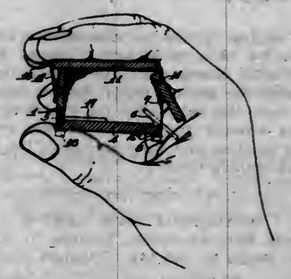
1. In a window construction, a trackway adapted to be secured to a window frame, said trackway having attaching and body portions and an inwardly offset guideway, the opening of which is concealed from view when in use.

1,628,188. THIMBLE. OVID PULLEN, Harmony, N. C. Filed Apr. 2, 1926. Serial No. 99,304. 3 Claims. (Cl. 30—14.)



1. In a device of the class described, an annular support, a blade mounted for right-line reciprocation on the support, a member mounted on the support for axial rotation with respect thereto, and means connecting the blade with said member to impart right-line reciprocation to the blade when said member is rotated.

1,628,189. TOY TRICK BOX. AUGUST C. RAISNER, Philadelphia, Pa. Filed July 13, 1926. Serial No. 122,099. 9 Claims. (Cl. 206—1.5.)

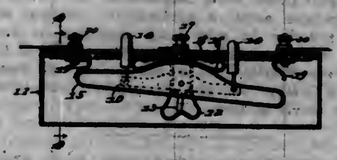


2. In a trick box having opposed sides and a bottom secured to the sides; a back swingably mounted on the sides; a lid hinged to the back, and means in the bottom for locking the back in closed position.

1,628,190. METHOD OF PRODUCING FINELY-DIVIDED NICKEL. MURRAY RANEY, Chattanooga, Tenn. Filed May 14, 1926. Serial No. 109,169. 7 Claims. (Cl. 23—236.)

1. A method of preparing a catalytic material which includes the step of alloying the same with aluminum and dissolving the aluminum from the resultant alloy, whereby the catalytic material remains in finely divided condition.

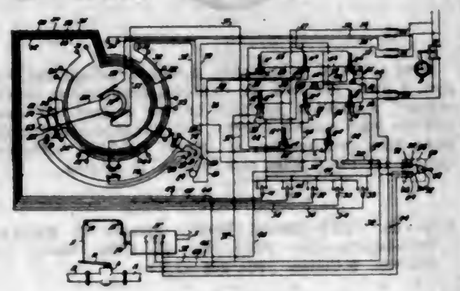
1,628,191. DOUBLE-POLE TWO-WAY PUSH-BUTTON SWITCH. JOSEPH J. RATTAY, McKeesport, Pa. Filed Feb. 18, 1922. Serial No. 537,481. 1 Claim. (Cl. 200—6.)



A two-way double pole switch for house lighting having a plurality of simultaneously movable push button actuable rockers, terminal and intermediate contacts disposed in operative relation with each rocker which is provided with an intermediate approximately concentric portion

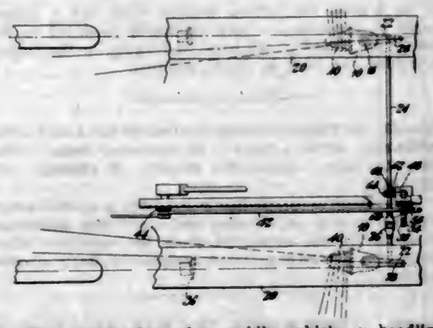
engaged with the intermediate contact and having a circumferentially arranged contact element for engagement with the terminal contact, the rocker having a radial pin, and a spring looped around the rocker and bent at the loop to provide a hump traversed by the pin when the rocker is moved on its pivot to hold the contact elements of the rocker in engagement with either of said terminal contacts.

1,628,192. CONTROL CIRCUITS. PALMER W. REYNOLDS, Bronxville, N. Y. Filed Nov. 24, 1925. Serial No. 71,202. 14 Claims. (Cl. 137—139.)



1. In a control system the combination with a motor-operated valve, of a main switch, means whereby the closing of said switch causes said motor to open said valve, means for intermittently causing said motor to close and open said valve after the closing of said switch, and means whereby the opening of said switch causes said motor to close said valve and stops the intermittent closing and opening thereof.

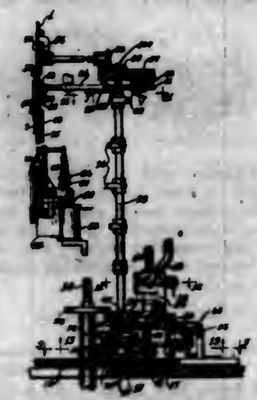
1,628,193. HEADLIGHT FOR MOTOR VEHICLES. FREDERICK WILLIAM RIEHL, Yonkers, N. Y. Filed Dec. 6, 1922. Serial No. 605,147. 7 Claims. (Cl. 240—7.1.)



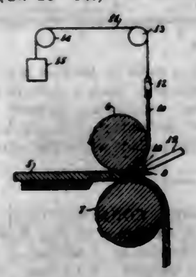
1. The combination of a mobile vehicle, a headlight lamp mounted in a frame at the side of the vehicle, said frame being adjustable about a substantially horizontal axis, and said frame being attached to the vehicle so as to be adjustable about a substantially vertical axis, a parabolic reflector in said lamp arranged to direct a stream of light rays substantially in the direct line of travel of the vehicle, and a reflector in the lamp for throwing a stream of rays substantially transverse of the line of travel of the vehicle.

1,628,194. VENDING APPARATUS FOR LIQUIDS. ROBERT R. ROBINSON, Los Angeles, Calif., assignor to Lucy L. Hicks, Oxnard, Calif. Filed Mar. 2, 1925. Serial No. 12,574. 8 Claims. (Cl. 194—6.)

1. In a vending apparatus having a measuring cylinder for vending gasoline or the like, the combination of a rotary variable stop-device operating to arrest the movement of the measuring piston at selective points, a solenoid and a circuit therefor having switches which may be closed by coins of different denomination, means actuated by the solenoid for operating the rotary variable stop-device, and automatic means for determining the amount of movement imparted by the solenoid to the rotary stop device to correspond with the denomination of the inserted coin.



1,628,195. METHOD OF MANUFACTURE OF COAGULUM-RUBBER ARTICLES. ROBERT W. ROST, Newark, N. J., assignor of one-half to Andrew F. Bigger, New York, N. Y. Filed Feb. 12, 1925. Serial No. 8,858. 11 Claims. (Cl. 18—50.)



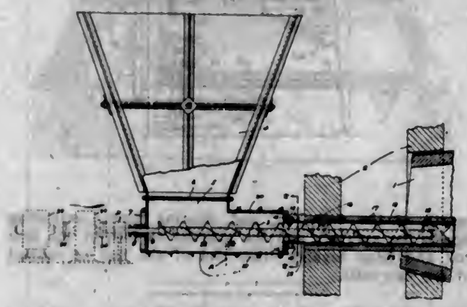
6. The method which consists in splitting from a slab of unvulcanized coagulum rubber sheets having crust thereon for discard of the sheets, and splitting the remainder of the slab into sheets of desired thickness and free from crust for forming articles thereof.

1,628,196. SPRING-PAD CONSTRUCTION. GEORGE E. RYAN, Los Angeles, Calif., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed July 1, 1924. Serial No. 723,575. 2 Claims. (Cl. 68—9.)



2. A spring pad construction for pressing machines comprising a base plate, coiled springs mounted on the base plate and having outward extensions of their lower coils overlying the plate, and means for securing said extensions to the plate, a covering over the upper ends of the springs, the springs having means selfcontained therewith for hooking into the covering and thus holding the springs from lateral movement.

1,628,197. CEMENT-KILN FEEDER. ROBERT W. RYDER, San Francisco, Calif., assignor to Santa Cruz Portland Cement Company, San Francisco, Calif., a Corporation of California. Filed Nov. 14, 1925. Serial No. 68,994. 6 Claims. (Cl. 214—18.)



1. A cement kiln feeder comprising a tube in substantially horizontal extension, a spiral conveyor fitting therein for forcing material therethrough, said tube connecting with a material receiving box of larger internal dimensions, and said conveyor extending into the box whereby foreign heavy matter delivered with the material to the box for feeding by the spiral conveyor may separate and fall below the working diameter of the conveyor, and a door on said box for the removal of such matter.

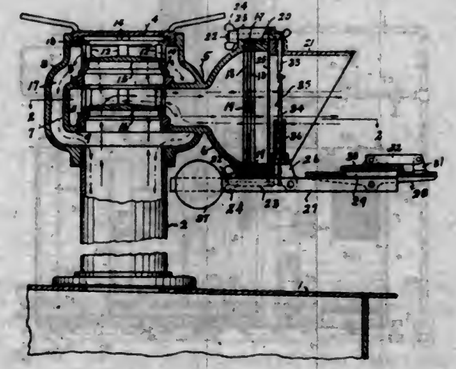
1,628,198. WINDSHIELD WIPER. EDMUND O. SATHER, Oakland, Calif. Filed Feb. 2, 1925. Serial No. 6,401. 16 Claims. (Cl. 121—169.)



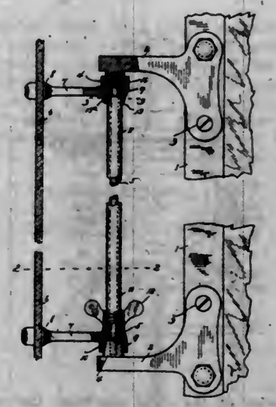
1. In a wiper mechanism, a cylinder having a flexible wall, a suction operated piston reciprocable in the cylinder, means carried by the piston to form a bulge in said wall traveling along the wall with the piston, an arm carried by the piston and extending from said cylinder through said bulge, a wiping element carried by said arm, and means for automatically reversing the travel of the piston.

1,628,199. COMBINATION TANK VENT, FLAME ARRESTER, AND AUTOMATIC SNUFFER. GEORGE C. SCHMIDT and FRANS G. D. MULLER, Houston, Tex. Filed Mar. 30, 1925. Serial No. 19,385. 5 Claims. (Cl. 220—88.)

1. An apparatus adapted for application to a fluid reservoir and having a passageway provided for the exit of fluid from said reservoir and the inlet of air into the reservoir, valve seats in said passageway, valves cooperating with said seats and controlling said passageways, one of said valves being adapted to open under the influence of pressure outwardly from said reservoir, through said passageway, the other of said valves being adapted to open under the influence of fluid pressure in the opposite direction through said passageway, swinging doors adapted to close said passageway and one of which is arranged to normally be held closed by gravity, means tending to swing the other door into closed position and means including a fusible link normally holding the last named door open.

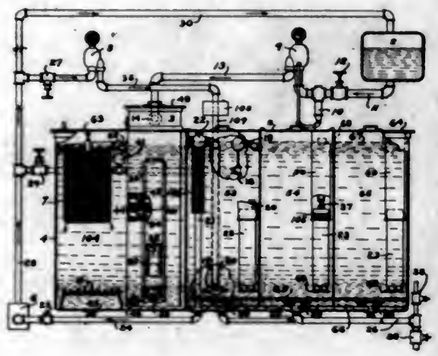


1,628,200. WINDSHIELD-WING MOUNTING. LOUIS RAYMOND SCOTT, Toronto, Ontario, Canada, assignor to George L. Mitchell, Detroit, Mich. Filed Apr. 28, 1924. Serial No. 709,582. 2 Claims. (Cl. 296—84.)



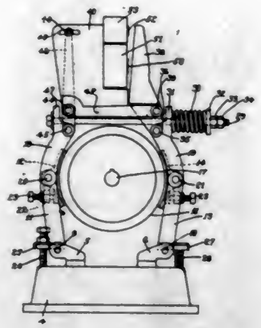
1. In a device of the character described, the combination with a pair of spaced carrier brackets, and means connecting said brackets in a fixed spaced relation, of a pair of supporting brackets seating respectively upon said carrier brackets between the latter, a compression member extending between the two supporting brackets and seating at one end against one thereof, and a nut threaded upon the other end of said compression member and bearing upon the other supporting bracket, one end of said compression member having a flat lateral face engaging a corresponding face of the adjacent supporting bracket to restrain said compression member and bracket from relative rotation.

1,628,201. LIQUID CONDITIONING AND SUPPLY SYSTEM. EUGENE M. SCOVILLE, Milwaukee, Wis., assignor of one-half to Floyd L. Swanberg, Danville, Ill. Filed May 31, 1924. Serial No. 716,946. 27 Claims. (Cl. 210—44.)



1. In combination, a source of oil supply, a preliminary purifier communicating with said source, a filter communicating with said purifier, a final purifier, and means for interchangeably conveying oil either directly from said filter to said source or from said filter through said final purifier to said source.

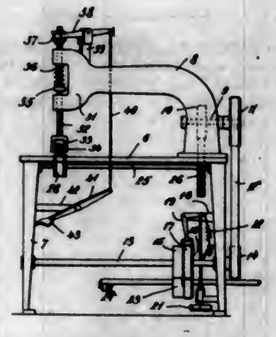
1,628,202. ELECTRIC BRAKE. OSCAR F. SHEPARD, Cincinnati, Ohio. Filed Jan. 15, 1924. Serial No. 686,431. 13 Claims. (Cl. 188—171.)



1. In a device of the class described the combination with a brake drum of brake shoes for engagement with the drum, a pivotally mounted armature controlling the brake shoes and a plurality of electro magnets operative on said armature, the electro magnets being aligned perpendicular to the axis of the pivotal mounting of the armature and arranged for jointly controlling said armature.

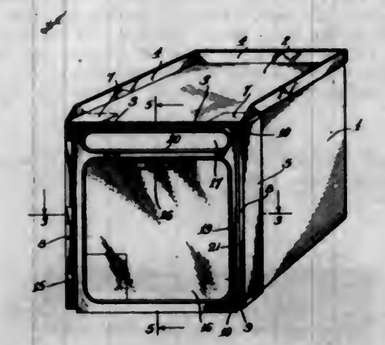
1,628,203. MACHINE FOR UNITING SHEET RUBBER. JACOB STEIN, New York, N. Y. Filed Nov. 8, 1924. Serial No. 748,615. 10 Claims. (Cl. 154—1.)

1. A machine for uniting rubber sheets, which comprises the combination of a table, a roll mounted in the table and having a portion of its face exposed through an aperture in the table, driving means for this roll, a second roll resiliently held with its face in contact with the first roll, this roll having a length less than the



length of the first roll, and clearing means extending across the aperture and the exposed surface of the first roll and lying beyond either end of the line of contact of the two rolls.

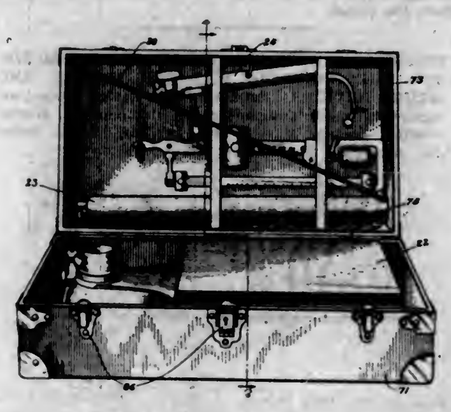
1,628,204. DISPLAY COVER. GEORGE A. TAYLOR, Weehawken, N. J., assignor to National Biscuit Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 8, 1921. Serial No. 499,232. 23 Claims. (Cl. 220—82.)



1. A display cover for association with the open side of a receptacle, said cover being formed of sheet metal and including a main frame, continuous flanges extending rearwardly from three edge portions thereof, a pair of spaced flanges extending rearwardly from the fourth edge of said frame and disposed adjacent the ends of said fourth edge, all of said flanges being adapted for engagement solely with similar faces of said receptacle to maintain the body of said frame applied to said receptacle, and an auxiliary frame hingedly secured to one of the sides of said main frame.

1,628,205. SCALE. MATHIAS J. WEBER, Chicago, Ill., assignor to Continental Scale Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 10, 1921, Serial No. 506,656. Renewed Mar. 26, 1927. 15 Claims. (Cl. 265—55.)

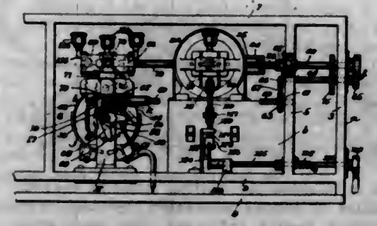
1. A portable platform scale outfit, comprising, a demountable scale, and a carrying case, said demountable scale being arranged to have greater dimensions when set up than when demounted and said case being constructed to receive the separate scale parts when demounted and to retain said parts in fixed and predetermined positions.



1,628,206. MOLDED PRODUCT AND PROCESS FOR ITS MANUFACTURE. HOWARD F. WEISS and RALPH F. NORRIS, Madison, Wis., assignors, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed June 17, 1924. Serial No. 720,511. 23 Claims. (Cl. 18—47.5.)

11. The process which comprises mixing an intumescent binder with a filler, introducing the batch so formed into a mold and there rapidly heating it until the material puffs to a porous coherent product.

1,628,207. THERAPEUTIC DEVICE. GEORGE STARR WHITE, Los Angeles, Calif. Filed July 30, 1923. Serial No. 654,654. 4 Claims. (Cl. 174—177.)



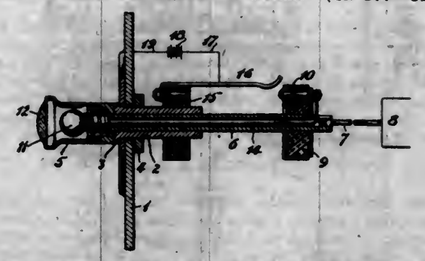
1. A device of the character disclosed adapted to control the illumination of two lamp members, including four segmental members arranged in spaced cooperating pairs, a switch member for play upon such segmental members, such segmental members being adjustable as to the length of path to be traversed by such switch member, whereby selected periodicity of the illumination of each respective lamp may be regulated.

1,628,208. MATCH-BOX HOLDER OR THE LIKE. WILLIAM H. WHITE, Chicago, Ill. Filed Sept. 16, 1925. Serial No. 56,685. 2 Claims. (Cl. 232—1.)

1. As a new article of manufacture, a match box container formed from a single piece of material and including a back portion, side portions and front face of the container, and side portions and floor of a coin receptacle positioned beneath said container, the side portions of the container having slots, and tongues formed on the front face of the container and the floor of the coin receptacle for cooperation with said slots.

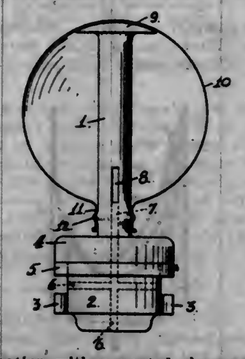


1,628,209. SIGNAL FOR CHOKERS AND THE LIKE. EDSON B. WILCOX, Meriden, Conn. Filed Jan. 22, 1926. Serial No. 82,950. 2 Claims. (Cl. 177—311.)



1. A warning signal for a choker operating device for a gasoline carbureter comprising, a movable rod to operate a choker, a support therefor, a handle for said rod, and electric signal in front of said support a signal circuit controller at the rear of said support, and operable by the movement of said rod to cause the signal to go "on" when said rod is in one position, and to cause said signal to go "off" when in another position.

1,628,210. VAPOR CONDENSER. JOHN J. WILT, Bakersfield, Calif. Filed Mar. 22, 1926. Serial No. 96,493. 3 Claims. (Cl. 257—25.)



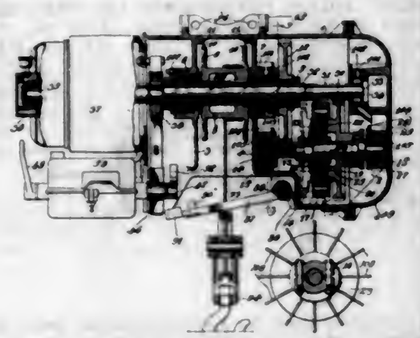
1. In combination with a vented closure-member of a liquid-container, an inflatable-member in receiving and draining communication with the vent of said closure-member, and resiliently associated with said closure-member to afford automatic release of excess pressure.

1,628,211. METHOD OF GRINDING VISCOUS MATERIALS. HARRY F. WINSLOW, Brooklyn, N. Y. Filed June 29, 1921. Serial No. 481,324. 5 Claims. (Cl. 83—12.)



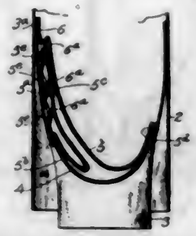
2. The method of grinding viscous materials which consists in passing the same over a sequence of grinding rolls, causing the material adjacent the ends of a later roll in the sequence to be deposited on an earlier roll, and delivering as a finished product the remainder of the material on said latter roll.

1,628,212. LOAD LIFTER. FRANK J. WINTERER, Philadelphia, Pa. Filed Aug. 2, 1923. Serial No. 655,178. 5 Claims. (Cl. 184—11.)



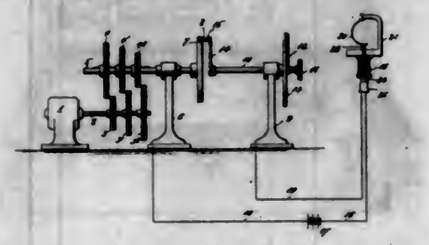
1. In a load lifter having a casing forming an oil chamber, a roof on the chamber, pairs of bearings for rotating parts disposed one above the other in a chamber, a fin wheel rotatable between a pair of lower bearings and adapted to splash oil against the roof whence it is deflected into the upper bearings which have oil ducts formed in their bottoms whereby oil will pass from the upper to the lower bearings, and means to rotate the fin wheel.

1,628,213. WEARING APPAREL. ALBERT WITZ, Philadelphia, Pa. Filed Sept. 13, 1926. Serial No. 135,093. 5 Claims. (Cl. 128—159.)



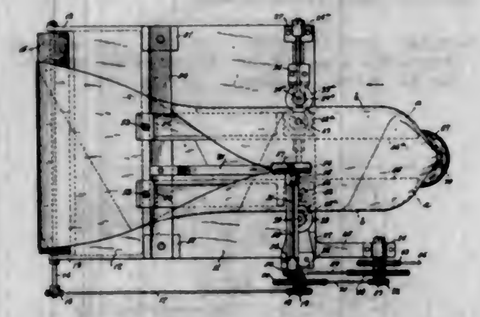
1. In a garment of the character specified, a trousers portion, an inner suspensory strap comprising front and rear portions having their lower ends connected with the front and rear portions of the seat of the trousers respectively, the upper ends of the strap portions being connected together and adapted to extend upwardly within the trousers, and means for adjustably attaching the upper end of said strap to the front of the garment above the crotch.

1,628,214. METHOD AND MEANS FOR DETERMINING THE ERROR IN WATCHES, CLOCKS, AND OTHER DEVICES. EZEKIEL WOLF, Boston, Mass., assignor, by mesne assignments, to Hammond V. Hayes, trustee, Boston, Mass. Filed Dec. 16, 1921. Serial No. 522,853. 10 Claims. (Cl. 73—51.)



1. The method of measuring differences in the frequencies of two oscillating systems which consists in bringing the two systems initially into simultaneous operation, adjusting one of the systems whereby the two systems will be maintained in phase and determining the difference in frequencies between the two systems by measuring the amount of said adjustment.

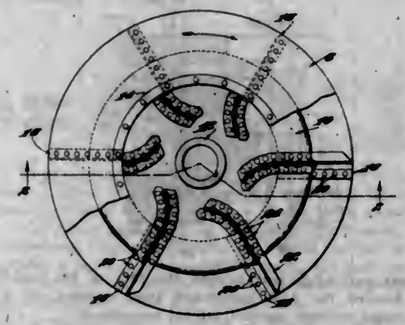
1,628,215. SLITTING MACHINE. ORRIN B. ZOLINE, New York, N. Y., assignor to Brand & Oppenheimer, Incorporated, New York, N. Y., a Corporation of New York. Filed July 10, 1925. Serial No. 42,673. 7 Claims. (Cl. 164—60.)



1. In a machine for slitting tubuular material, the combination of slitting mechanism, spreaders adjustable in directions toward and away from each other over which the tubular material passes to said slitting mechanism, and feeding devices located partly within said spreaders and partly exteriorly thereof for feeding said tubular material lengthwise of said spreaders.

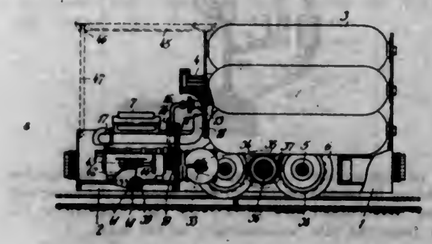
1,628,216. BLOWER. GEORGE W. ALLEN, Hyde Park, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a Corporation of Massachusetts. Filed Aug. 18, 1923. Serial No. 658,132. 4 Claims. (Cl. 230—11.)

1. A blower wheel comprising a pair of annular side plates, having large central openings for admission of air, a solid rotatable central disk between the side plates of a diameter less than the outer diameter of the side plates and greater than their inner diameter, and a series of floats having flanges at their ends reveted to the disk and to the side plates, the inner portions of the floats and the flanges thereon adjacent the disk extending inwardly beyond the inner margin of the side plates and



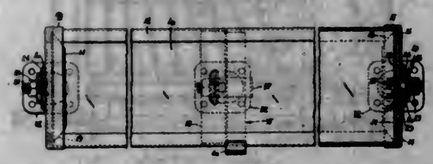
near the center of the disk to provide additional riveting surfaces to the disk without obstruction of the air admission openings of the side plates.

1,628,217. COMPRESSED-AIR LOCOMOTIVE. ERNST OTTO BAUM, Jungenthal, near Kirchen, Germany. Filed Aug. 2, 1924, Serial No. 729,712, and in Germany Aug. 10, 1923. 10 Claims. (Cl. 105—65.)



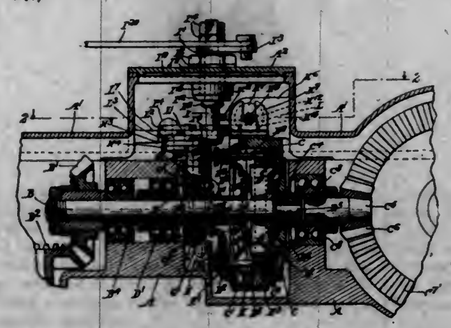
1. A compressed air locomotive, comprising a front frame section and a rear frame section both having vertical end walls adapted for close contact and detachably connected with each other, a compressed air tank mounted on one of said sections, a motor mounted on the other section, tubular means having a detachable joint and connecting said tank with said motor, driving wheels supporting the tank carrying section, and power transmitting means including a detachable joint and connecting said motor and driving wheels.

1,628,218. ADJUSTABLE REFLECTOR. DORA F. BEAUCHAMP, Forest Hills, N. Y. Filed Feb. 9, 1926. Serial No. 87,110. 17 Claims. (Cl. 45—97.)



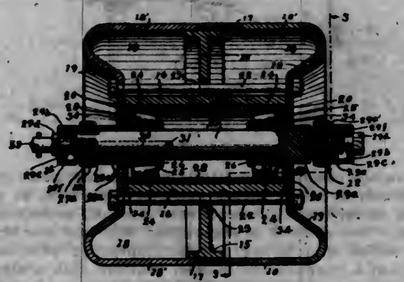
1. A device of the character described comprising an elongated reflecting panel, an end member fitting one end of the panel, longitudinal members fitting the edges of said panel and engaging said end member to hold it in place against the end of said panel, a cap fitted over said end member and ends of the longitudinal members, and a supporting member connected to said end member and retaining said cap in place.

1,628,219. CLUTCH MECHANISM. CHARLES H. BENEDICT, Streator, Ill., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed July 10, 1926. Serial No. 121,520. 46 Claims. (Cl. 192—17.)



3. In a drive mechanism, a drive shaft, a driven shaft, a clutch connection therebetween, a brake mechanism, actuating mechanisms for said clutch and brake mechanisms, each including toggle links, a control shaft transversely positioned in relation to the drive and driven shafts a lever thereon, and a link connection between it and the brake and clutch controlling toggles respectively.

1,628,220. PULLEY. NANSTAD BERG, Cleveland, Ohio, assignor to Berg Manufacturing Company, Cleveland, Ohio, a Copartnership composed of Andrew C. Denison and Nanstad Berg. Filed June 18, 1925. Serial No. 37,961. 5 Claims. (Cl. 64—17.)

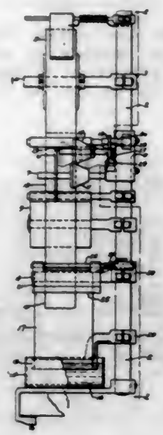


1. A pulley structure comprising a hub having intermediate its ends a spider terminating in an annular member, a pair of opposed shells having annular walls disposed in abutting relation and end walls, the abutting ends of said annular walls fitting over and supported on the annular member of said spider and said end walls being formed with openings through which said hub extends, and means for maintaining said shells in fixed relation to said annular member.

1,628,221. DEVICE FOR MOISTENING ADHESIVE TAPE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Feb. 5, 1926. Serial No. 86,348. 6 Claims. (Cl. 91—14.5.)

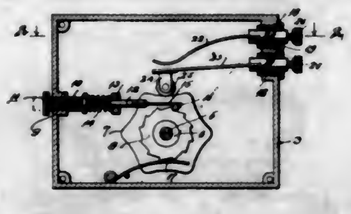
1. An adhesive tape moistening device including in combination, a container for a liquid, a normally station-

ary web extended into the liquid in a manner to cause the liquid to rise by capillary action in the web to a portion thereof contacting with a length of tape drawn



over the web, means to regulate the distance between the liquid and said point of contact and means to regulate the pressure between the web and tape at said point.

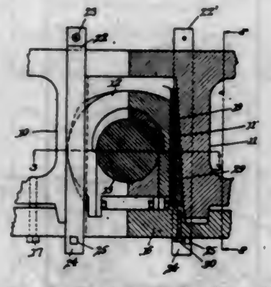
1,628,222. AUTOMATIC SWITCH FOR ELECTRIC LIGHTS. ARTHUR BERTH, Sheboygan, Wis. Filed Apr. 25, 1923. Serial No. 634,434. 1 Claim. (Cl. 200—54.)



A switch comprising a rigidly coupled multipoint cam and a ratchet wheel having twice as many teeth as the points on said cam, a contact arm, a second contact arm movable into and out of engagement with said first arm, said second arm having a roller contacting with said cam, and a reciprocatory member provided with a single pawl for engaging the teeth of the ratchet wheel for rotating the ratchet wheel a space of one tooth when said reciprocatory member reciprocates in one direction only, whereby the contact arms close at every other complete reciprocation of said reciprocatory member.

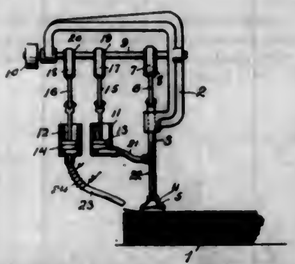
1,628,223. DRIVING-BOX MOUNTING. WILLIAM R. BLACKLEY, Hamlet, N. C., and ROBERT M. MEREDITH, Savannah, Ga. Filed Aug. 25, 1926. Serial No. 131,452. 11 Claims. (Cl. 105—81.)

1. In combination with a driving box and a frame receiving the same between spaced pedestal jaws, of detachable shoe retaining strips supported on the frame on opposite sides of one pedestal jaw and projecting beyond the face of said jaws toward the other jaw, a relatively flat shoe element interposed between the box and the pedestal jaw, said shoe being positioned between the projecting portions of said strips, and a relatively flat wedge element between the box and the other pedestal jaw, and a pair of detachable shoe retaining strips supported on the frame on opposite sides of said wedge



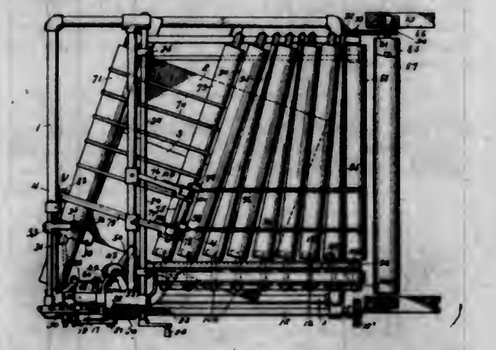
element and projecting beyond the face of the pedestal jaw toward the first mentioned jaw, whereby to hold the wedge element against lateral movement.

1,628,224. PAPER FEEDING. HARRY BRADSHAW, Kansas City, Mo. Filed Jan. 28, 1921. Serial No. 440,600. 10 Claims. (Cl. 271—27.)



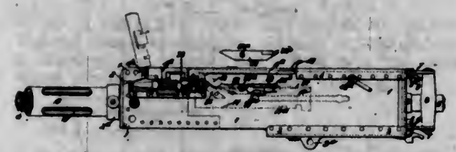
1. In feeding sheets of paper from a pile, the method consisting in projecting heated fluid against the outer side of the outer sheet preliminary to the removal of the sheet from the pile, substantially as set forth.

1,628,225. PAPER FEEDING. HARRY BRADSHAW, Topeka, Kans. Filed Aug. 7, 1924. Serial No. 730,630. 9 Claims. (Cl. 271—13.)



1. In paper feeding, means for lifting a corner portion of the outer sheet of a pile of paper, and means for engaging said corner portion and withdrawing the sheet from the pile with its sides reversed and in a direction at an angle to the adjacent longitudinal edge of the pile.

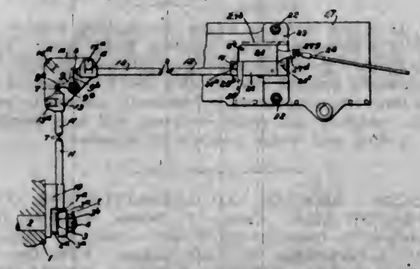
1,628,226. AUTOMATIC FIREARM. JOHN M. BROWNING, Ogden, Utah; John Browning administrator of said John M. Browning, deceased. Filed July 31, 1923, Serial No. 654,955. Renewed May 15, 1926. 77 Claims. (Cl. 89—8.)



7. In an automatic firearm, the combination of a breech casing, a barrel and barrel extension supported for longitudinal movement in said casing, a breech block supported for longitudinal movement in said barrel extension, and a mechanism connected with the barrel extension for absorbing a part of the energy of recoil, the said mechanism being located within the casing and comprising a composite spring buffer and liquid brake.

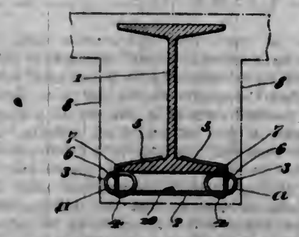
22. In an automatic firearm, a casing, a barrel and barrel extension supported and guided for longitudinal movement in said casing, a rocking lever having an operative connection with said barrel extension to lock said barrel and barrel extension in rearward position, and means for yieldingly holding said lever in locking relation with said barrel extension, said means comprising a flat spring co-operating with a recess in the hub of said lever.

1,628,227. FIRING CONTROL FOR AUTOMATIC MACHINE GUNS. JOHN M. BROWNING, Ogden, Utah; John Browning executor of said John M. Browning, deceased. Filed July 14, 1924. Serial No. 725,868. 32 Claims. (Cl. 89—27.)



1. In a firing control for an automatic machine gun, the combination of a breech casing and a trigger mechanism unit carried by said casing and constituting a part additional thereto, the said unit comprising means whereby the gun to which it is applied may be fired, at will, either in synchronism with a rapidly rotating element or automatically at the normal rate of fire of the gun.

1,628,228. CONCRETE CLIP. ROBERT E. CARRICK, Larchmont, N. Y. Filed Mar. 15, 1926. Serial No. 94,671. 6 Claims. (Cl. 72—109.)



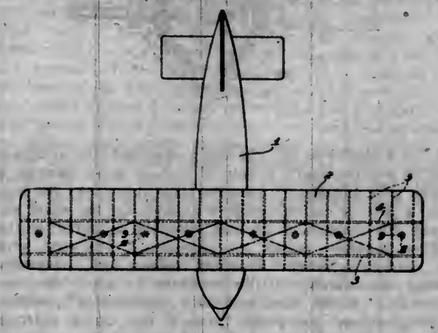
1. A concrete clip consisting of a metal rod or wire of suitable length having an intermediate portion terminating in loops at its opposite ends and the said rod or wire having its end portions extended across the said loops and transversely of the said intermediate portions, which end portion are adapted to engage a girder, beam, column, or the like.

1,628,229. SOAP-SHEET PACK. PETER J. CHRISTMAN, Jr., Green Bay, Wis. Filed July 12, 1924. Serial No. 725,635. 1 Claim. (Cl. 87—23.)



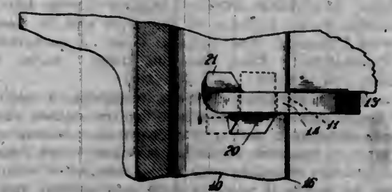
A new article of manufacture comprising a package consisting of a series of separate interfolded sheets of paper impregnated with soap, with the folded portion of one sheet enclosing the ends of the adjacent sheet to thereby protect successive sheets, whereby one sheet may be removed without moistening the next sheet, and will cause a portion of the next sheet to assume a freely accessible position.

1,628,230. UTILIZING FABRIC OF AIRCRAFT AS DIAPHRAGM FOR LOUD SPEAKERS. JAMES M. COBURN and BERNARD KNAPP, Kansas City, Mo., assignor to Plane Speaker Corporation, Kansas City, Mo., a Corporation of Delaware. Filed June 2, 1926. Serial No. 113,181. 7 Claims. (Cl. 244—31.)



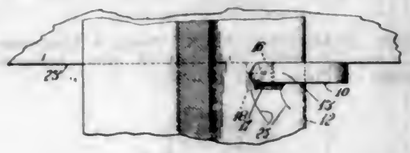
1. An aircraft comprising in combination an expanded frame structure having a surface covering secured thereto, and a sound reproducing device secured to said cover to constitute a section thereof a sound producing diaphragm.

1,628,231. RAIL ANCHOR. ROBERT L. COCHRANE, Chicago, Ill. Filed Aug. 9, 1926. Serial No. 128,087. 32 Claims. (Cl. 238—321.)



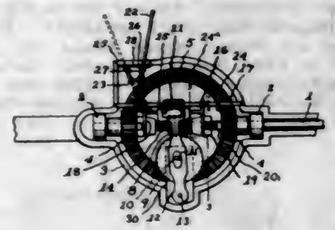
23. A one-piece rail anchor comprising jaws formed with teeth disposed at an angle to each other and adapted to be driven into biting engagement with the top and bottom surfaces of the rail base.

1,628,232. RAIL ANCHOR. FREDERICK A. PRESTON, Highland Park, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 20, 1926. Serial No. 136,511. 10 Claims. (Cl. 238—330.)



1. A rail anchor adapted to grip one flange only of a rail and consisting of a flat metal plate, recessed to provide upper and lower jaws adapted to be forced into gripping engagement with the top and bottom surfaces of a rail base; one of said jaws being formed with a resilient tooth bent outwardly from one side of the body of the plate but which is adapted to bite into the rail base at a point within the side planes of the jaws during the application of the anchor to a rail.

1,628,233. REVERSING-GEAR MECHANISM. ALEXANDER DANIEL, Cleveland, Ohio. Filed Mar. 16, 1926. Serial No. 95,028. 11 Claims. (Cl. 74—50.)

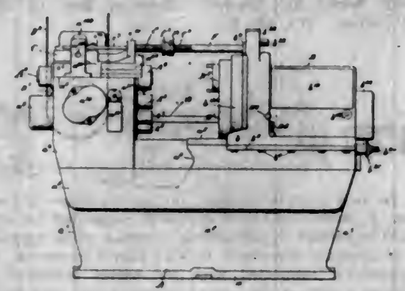


1. In a device of the character described, the combination of a drive shaft, a pair of pinions loose thereon, a driven gear engaged at opposite sides thereof by the pinions, a pair of clutch members slidable on the shaft adjacent the respective pinions, slidably mounted clutch shifting members which are operatively connected with the respective clutch members, means for alternately sliding the clutch shifting members to move the corresponding clutch members into inoperative position, yielding means interposed between the clutch shifting members whereby when one of the clutch shifting members is moved to retract the corresponding clutch member the other clutch shifting member is moved under the action of the yielding means to shift the other clutch member into operative position, and means for moving the clutch shifting members toward each other to disable the mechanism.

1,628,234. MACHINE TOOL. ADOLPH L. DE LEEUW, Plainfield, N. J., assignor to The Goss and De Leeuw Machine Company, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 30, 1923. Serial No. 615,884. 57 Claims. (Cl. 29—38.)

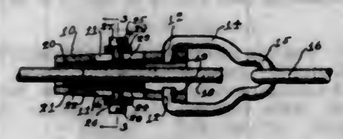
10. A metal working machine comprising a bed; a turret and a turret-head mounted for translation simultaneously along said bed; a cylindrical cam coaxial with said turret; a member normally stationary with respect to said bed and engaging said cam; means for rotating said cam to enable it to coact with said member and be thereby self-propelled and means for intermittently rotating said turret in its head.

25. A metal working machine combining a head; an elongated shaft journaled in the respective end walls of said head; a turret affixed to one end of said shaft and carried thereby; means operative through said shaft for indexing said turret; an external contractile clamp



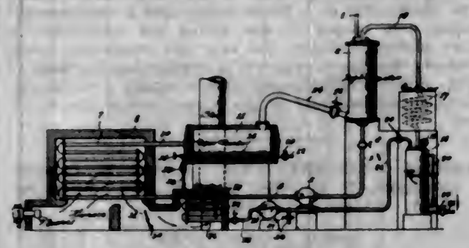
means for binding a peripheral portion of said turret against the end wall of said head; and means for automatically operating said clamp.

1,628,235. LINE CLAMP. VLADIMIRO DE MEO, Waterbury, Conn. Filed Jan. 6, 1927. Serial No. 159,388. 11 Claims. (Cl. 24—126.)



1. In a line clamp, a hollow conical body member, a pair of semi-conical wedge members fitting within said body member, means connected with said body member for permanently securing one end of a line, the other end of said line being adapted to be frictionally gripped by said wedge members, and means enclosing said body member for holding said wedge members in alinement.

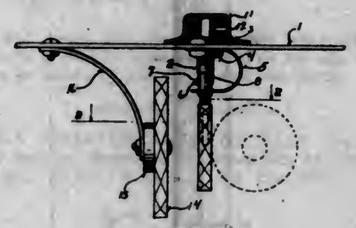
1,628,236. PROCESS AND APPARATUS FOR CONVERTING OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Oct. 8, 1921. Serial No. 506,225. 11 Claims. (Cl. 196—62.)



1. A process of converting hydrocarbon oils, which comprises passing a stream of oil through a cracking zone where said oil is subjected to a cracking temperature, in delivering the highly heated oil to an insulated vapor chamber located outside of the cracking zone and in which chamber a pool of liquid oil collects, in discharging vapors from said chamber to a dephlegmator, in returning reflux condensate from the dephlegmator to the oil stream passing through the cracking zone, in discharging uncondensed vapors from the dephlegmator to a final condenser and receiver, in removing incondensable gases from said receiver, in heating said gases, and in then passing the heated gases into a conduit immersed

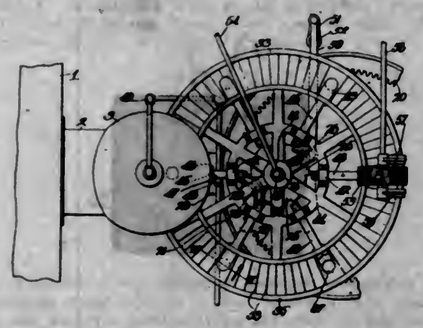
in the liquid oil in the vapor chamber, in discharging the gases from said conduit into said oil, and in maintaining a superatmospheric pressure on the oil in the cracking coil and in said vapor chamber.

1,628,237. VARIABLE INDUCTANCE UNIT. MILTON MERWIN EELLS, Chicago, Ill., assignor to Western Coil & Electrical Co., Racine, Wis. Filed Sept. 20, 1926. Serial No. 136,627. 5 Claims. (Cl. 171—119.)



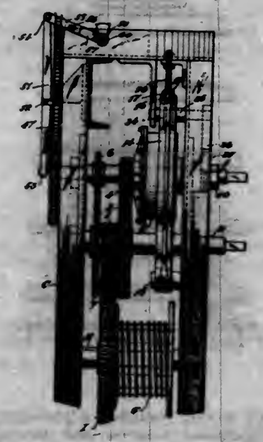
1. The combination of a panel, a stationary coil supported therefrom, a shaft mounted approximately parallel to the plane of the stationary coil and at right angles to the axis thereof, a support for said shaft, means for rotating said shaft, and a movable coil mounted tangentially with reference to said shaft, whereby said movable coil may be rocked approximately about a tangent and may thus vary its effect on the stationary coil.

1,628,238. MOLTEN-GLASS-FEEDING MECHANISM. ENOCH T. FERNGREN, Toledo, Ohio. Filed Feb. 23, 1912. Serial No. 679,236. 38 Claims. (Cl. 49—55.)



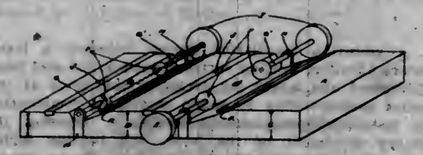
82. In glass manufacturing, the method which consists in intermittently emitting a voluminous freely vertically descending discharge of fluent glass from a flow spout, successively associating shearing means with said glass while in transit beyond said spout and cutting off quantities therefrom without previously affording under support for said quantities with said shearing means, receiving each cut-off quantity in a mold that is awaiting the same, and periodically in between such emitting of glass, and immediately after each cutting thereof effecting a limited discharging movement of glass in said spout and delivering heat to the glass that is in said spout.

1,628,239. ELEVATING APPARATUS. HENRY S. GERMOND, Jr., Bayonne, N. J., and HAROLD GREEN, Yonkers, N. Y., assignors to said Germond. Filed July 24, 1925. Serial No. 45,803. 23 Claims. (Cl. 192—15.)



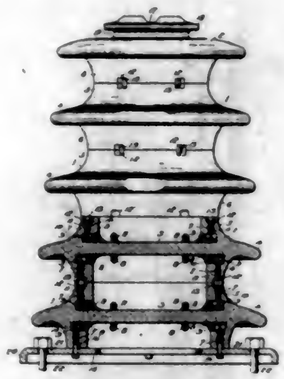
2. In an elevating apparatus, the combination of means for raising a load comprising a cable, a drum for winding said cable, two driving shafts, a driving connection between both of said shafts and said drum whereby said drum can be rotated at different speeds from said shafts, and manually releasable brake mechanism operable at all times except when manually held released to hold both said shafts against rotation under influence of gravity on said load in the direction to lower the load and operable to release said shafts automatically upon rotation of either of said shafts under influence of force applied thereto in either direction to permit raising and lowering of the load respectively under influence of said force.

1,628,240. COIN-WRAPPING MACHINE. GEORGE T. GILLETTE, Los Angeles, Calif. Filed June 1, 1926. Serial No. 112,777. 4 Claims. (Cl. 93—2.)



4. A coin wrapping machine comprising a front horizontal section of low height, a holder extending across and attached to sides of such section, a plane sided groove terminating such front horizontal section and rising to a rear horizontal section of greater height, the front side of said groove being at a greater angle to the horizon than the rear side of said groove, and movable abutments having their centers on about the bisector of the angle made by the plane sides of the groove suspended in said groove.

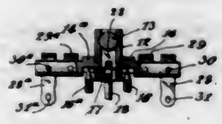
1,628,241. INSULATOR. WALTER T. GODDARD, Hamilton, Ontario, Canada, assignor to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Oct. 1, 1921. Serial No. 504,667. 6 Claims. (Cl. 173—318.)



3. In a high tension insulator, a plurality of units arranged in superposed relation and having contacting faces formed with mating recesses, securing bolts arranged in circular series and embedded within the units with their threaded ends projecting into said recesses, and nut members upon said ends of the bolts and located within the mating recesses.

5. In a high tension insulator, a plurality of sections of insulating material of disk form, nuts secured to said sections, and turnbuckle means for engaging the nuts to secure the sections together.

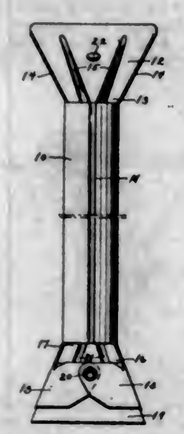
1,628,242. SOUND-VIBRATION-TRANSLATING DEVICE. ELWOOD GRISSINGER, Buffalo, N. Y. Filed Aug. 18, 1923. Serial No. 658,009. 23 Claims. (Cl. 274—35.)



1. A vibration translating device including a lever, members affording bearing surfaces upon which said lever is fulcrumed and means for actuating said lever at frequencies corresponding to sound waves, in combination with restoring spring means resiliently opposing the vibratory movement of the lever, and bearing spring means acting approximately in the plane of the pivotal axis of the lever to maintain the bearing surfaces in intimate non-slip contact, but substantially without restoring spring effect upon said lever.

1,628,243. KITCHEN UTENSIL. JULIUS S. HAGEN, Des Moines, Iowa. Filed Mar. 12, 1924. Serial No. 698,688. 2 Claims. (Cl. 15—245.)

1. A kitchen utensil, comprising a tubular handle substantially circular in cross-section, a blade formed integrally on one end of said handle, said blade being formed with flanges on its side margins, and a flexible scraping element mounted against said blade and extending beyond the free margin thereof, said flanges being bent around the lateral margins of said scraping element



into a plane substantially parallel with said blade, said scraping element being engaged and held by the side flanges of said blade.

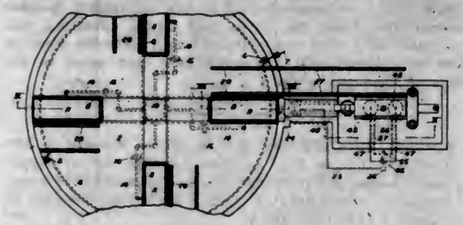
1,628,244. SPOOLLESS TWINE BALL, CROSS-WOUND BOBBIN, OR THE LIKE. WILLEM HOOS, Wassenaar, Netherlands, assignor to Naamlooze Vennootschap Vereenigde Touwfabrieken, Rotterdam, Netherlands. Filed June 29, 1926, Serial No. 119,375, and in Germany Mar. 22, 1926. 4 Claims. (Cl. 242—128.)



1. In a coreless twine ball, cross-wound bobbin or the like having a central hole from one end of which projects the free end of the twine, a stopper inserted in said end of the central hole to lock the said free end of the twine.

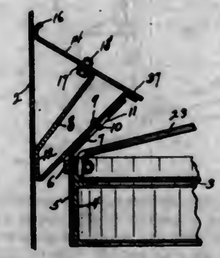
1,628,245. METHOD OF AND APPARATUS FOR WELDING. PEACY E. HUNTER, Pittsburgh, Pa., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1923. Serial No. 629,256. 22 Claims. (Cl. 78—82.)

1. Means for heating metal and then quickly subjecting it to formative treatment consisting of a pressure exerting machine having an upper fixed anvil and a lower vertically moving co-acting die, a portable heating fur-



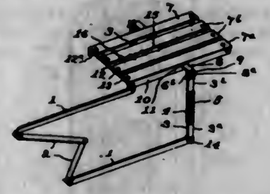
nace, and means for moving a metal blank from the furnace to a position between the anvil and die whereby it may be raised by the die against the anvil.

1,628,246. NONEVAPORATING OIL TANK. FRANK ALBERT IDDINGS, Warren, Ohio. Filed July 18, 1924. Serial No. 726,795. 2 Claims. (Cl. 220—26.)



1. In an oil tank, a floating deck of less diameter than the tank, means slidably interposed between the deck and the side of the tank, a cover plate over the slidable means and a pin firmly attached to the slidable means and loosely moving in an under support of the slidable means.

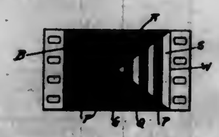
1,628,247. MAGAZINE AND BOOK SUPPORT. FLOYD D. JONES, Cleveland, Ohio. Filed Aug. 14, 1925. Serial No. 50,210. 8 Claims. (Cl. 45—82.)



7. A device of the character described, comprising a supporting frame adapted to rest loosely upon a chair seat and having a portion fitting flat upon the seat and adapted to receive the weight of the occupant of the chair, spaced pivoted uprights projecting therefrom and having slotted upper ends, a flat cross bar connecting the uprights, clamping bolts carried by the ends of the cross bar and pivotally mounted within the slots of the uprights for adjustably and removably clamping the cross bar to the uprights, and a table mounted upon the cross bar and having flanges provided with openings receiving and interlocking with the sides of the flat cross bar to hold the table in position thereon.

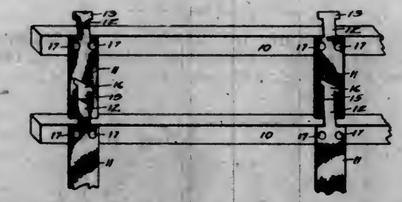
8. A device of the character described, including a pair of side bars adapted to be arranged upon opposite sides of the occupant of a chair, means connecting the side bars adjacent their free ends and extending across the chair seat so as to receive the weight of the occupant of the chair, uprights pivotally connected to the side bars, means for holding at said pivots the uprights in an adjusted position, and a table supported by the uprights for rotative adjustment thereon.

1,628,248. PHOTOGRAPHIC IMAGE AND METHOD OF MAKING SAME. WILLIAM V. D. KELLEY, Los Angeles, Calif., assignor, by mesne assignments, to Prizma, Incorporated, a Corporation of New Jersey. Filed Nov. 19, 1919, Serial No. 339,044. Renewed Oct. 21, 1926. 45 Claims. (Cl. 95—2.)



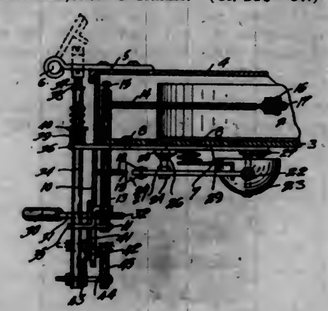
1. A support carrying dry photographic emulsion, separated portions of the emulsion being light insensitive and intervening portions being light sensitive, said portions being additive.

1,628,249. STRUCTURE FOR TRELLISES AND THE LIKE. JOHN S. KIRFMAN, Des Moines, Iowa. Filed Oct. 13, 1924. Serial No. 743,396. 1 Claim. (Cl. 47—44.)



A structure having a series of parallel bars, means for connecting these bars comprising a plurality of connecting members, each comprising a plate substantially rectangular in outline having at one end a T-shaped head and at the other a substantially T-shaped slot with the laterally extending portions of said slot inclined from the longitudinal axis of the plate, whereby the completed structure has expansibility and contractability with possible movement of the bars toward or from each other, so that the bars may be arranged in a circle or other forms, without removal of said T-shaped head from said slot.

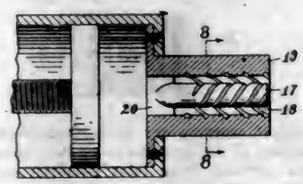
1,628,250. MOTION-PICTURE APPARATUS. WILLIAM J. KNORRE, Spokane, Wash., assignor of one-half to Grover C. Ealy, Spokane, Wash. Filed June 12, 1926. Serial No. 115,630. 3 Claims. (Cl. 116—67.)



3. The combination in an attachment for motion picture apparatus with an annunciator and its actuating means, of a rock shaft having a detent for co-action with

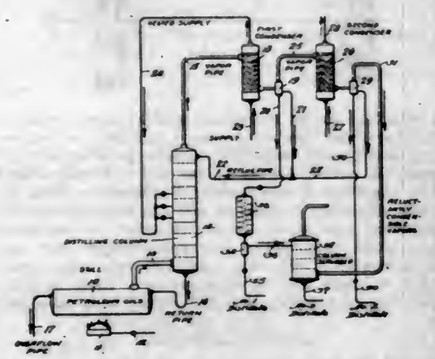
said means, an arm on the rock shaft and a friction element on the arm for co-action with an unwinding picture strip, a pin on the shaft and a counterweight on the pin, a setting bolt actuated by the closing of the door of the apparatus, and a lever on the bolt for co-action with said pin for setting the rock shaft in operative position.

1,628,251. METHOD OF MAKING CANDY. WILLIAM B. LASKEY, Marblehead, Mass. Filed Apr. 30, 1921. Serial No. 465,643. 1 Claim. (Cl. 107—54.)



The method of forming chocolate candy in elongated form, which consists in forcing cold solid chocolate composition through a die under sufficiently heavy pressure to form a continuous piece of chocolate which retains the shape given it by said die.

1,628,252. METHOD OF REFINING PETROLEUM. WALTER E. LUMMUS, Lynn, Mass. Filed May 21, 1923. Serial No. 640,332. 7 Claims. (Cl. 196—94.)



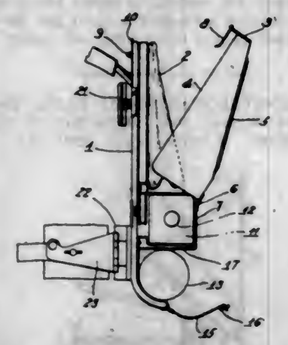
2. The method of refining petroleum oils by separating the heavier oils from the lighter and passing the vapors of the latter through a plurality of condensers which condense and discharge condensate fractions of the vapors of different boiling points, and subjecting the uncondensed vapors from the last condenser to the absorbing action of a higher boiling of said condensate fractions.

1,628,253. ANCHORING DEVICE. MORTIMER CARLISLE LYDDANE, Yonkers, N. Y. Filed Dec. 2, 1925. Serial No. 72,686. 14 Claims. (Cl. 85—2.4.)



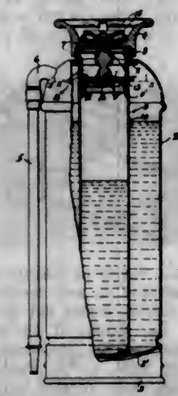
1. An anchoring device comprising a rigid expanding member and a soft metal expansible member adapted to be assembled in coaxially extending relation to each other by a relative axial movement of said members so that one end of the expanding member is disposed in expanding contact with an opposed end of the expansible member without distorting the latter, and means operating concurrently with such assemblage of said members whereby they are permanently connected with each other in the form of a composite unit.

1,628,254. BREATHING APPARATUS. GEORGE S. MCCAA, Pittsburgh, Pa., assignor to Mine Safety Appliance Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 21, 1923. Serial No. 640,295. 4 Claims. (Cl. 128—191.)



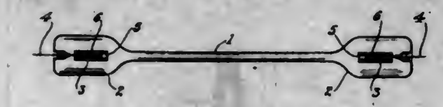
1. In a breathing apparatus, a supporting frame having a breathing bag attached to its upper end, and a protecting hood for said bag pivotally attached to said frame whereby access may be quickly had to the breathing bag.

1,628,255. FIRE EXTINGUISHER. PETER G. MACGREGOR, Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a Corporation of Delaware. Filed Oct. 13, 1924. Serial No. 743,348. 1 Claim. (Cl. 169—32.)



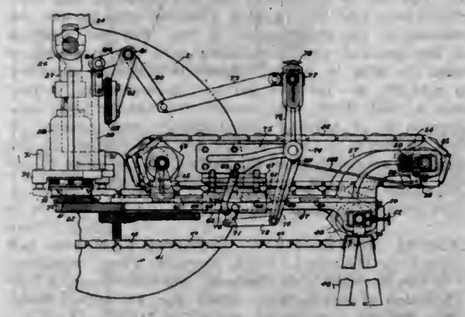
In a fire extinguisher, a liquid container of substantially uniform diameter throughout its length having openings in its wall near the top and formed with an inwardly pressed bead in its wall below said openings, an annular lip positioned upon and secured to said bead within said container, said lip extending inwardly and downwardly thereby forming a seating surface, and a stopple having a diameter substantially equal to the inside diameter of said container and adapted to seat upon said seating surface.

1,628,256. NEON TUBE. RAYMOND R. MACHLETT, New York, N. Y., assignor to Rainbow Light, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 16, 1926. Serial No. 142,026. 10 Claims. (Cl. 176—125.)



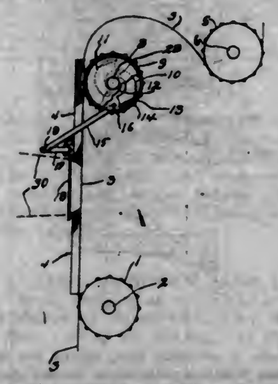
1. A luminous tube having a monatomic gaseous conducting atmosphere therein and having interior electrodes and means within the tube for supplying a foreign gas localized in the immediate neighborhood of the electrodes for facilitating transfer of energy from each electrode to the conducting gas, as set forth.

1,628,257. APPARATUS FOR FORMING ARTICLES FROM PAPER OR SIMILAR MATERIAL. GEORGE P. MALLORY, Philadelphia, Pa., assignor to Sanitary Products Corporation of America, Philadelphia, Pa., a Corporation of Virginia. Filed May 26, 1923. Serial No. 641,591. 38 Claims. (Cl. 18—19.)



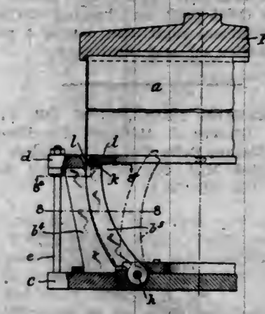
1. An apparatus for forming articles from sheet material comprising, in combination, dies for punching blanks from said material, and shaping dies movable into and out of position to receive said blanks from said punching dies.

1,628,258. SAFETY DEVICE FOR MOTION-PICTURE-PROJECTING MACHINES. WILLIAM MALM, New Orleans, La. Filed May 21, 1925. Serial No. 31,870. 4 Claims. (Cl. 88—17.)



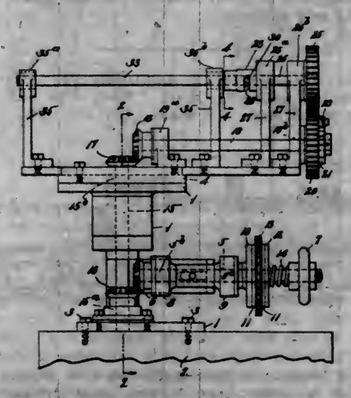
1. In a motion picture machine, the combination with a motion picture film, of means for automatically protecting said film from fire, comprising an automatic light shutter actuated by a suitable clutch device, said clutch device being driven by an auxiliary sprocket wheel, said sprocket wheel meshing with said film and moving in synchronism with said film and located at a suitable point between the intermittent driving sprocket and upper feed sprocket of said machine.

1,628,259. PROCESS AND APPARATUS FOR INCREASING THE STRENGTH OF ARTICLES. ALFONS MAUSER, Cologne-Marienburg, Germany. Filed Nov. 6, 1924, Serial No. 748,031, and in Germany Sept. 20, 1924. 10 Claims. (Cl. 153—70.)



1. The process of corrugating a blank of bendable material to form a container having a corrugated end portion, the diameter of which increases progressively from the end towards the mid-length of said container which consists in exerting pressure upon opposite sides of said blank along a plurality of spaced line contacts only, by means of pressure producing instrumentalities distributed along spaced longitudinally extending converging lines inclined laterally to the sides of said blank in overlapping staggered relationship, and producing relative longitudinal movement between said blank and the pressure producing instrumentalities, while preventing movement of the pressure producing instrumentalities relatively to each other during the corrugating action to form progressively and simultaneously in said blank a plurality of longitudinally extending corrugations of gradually increasing depth by a combined longitudinal and transverse folding of the material.

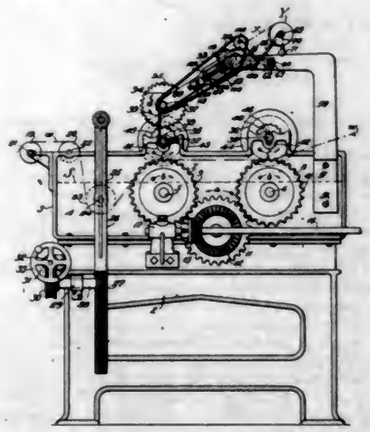
1,628,260. POWER-TRANSMISSION UNIT. JESSE H. MAXIM, Everett, Mass. Filed Oct. 27, 1926. Serial No. 144,439. 3 Claims. (Cl. 74—101.)



1. A power transmission unit comprising, in combination, a frame; a rotary turret surmounting the frame; a rotary shaft horizontally disposed on the frame and furnished on its outer end with a frictionally engaged,

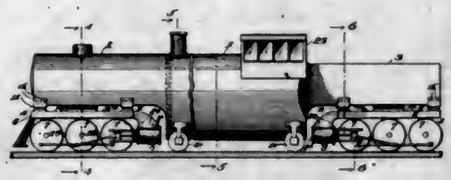
spring-controlled sprocket; a second rotary shaft horizontally disposed on the turret and furnished on its outer end with a gear loosely mounted thereon and driven by a spring controlled pawl and ratchet affixed to the outer end of the shaft; a third rotary shaft horizontally disposed on the turret above and parallel to the second shaft above mentioned and furnished on its outer end with a gear affixed thereto and engaged by the gear on said second shaft; a vertically disposed rotary shaft operatively connecting the inner ends of the first and second mentioned shafts; bearings on the turret in axial alignment with the third shaft mentioned for receiving and holding an additional shaft; and a clutch on the inner end of the third shaft for grasping and holding an end of such additional shaft, and having a part of one independent rotation on said third shaft.

1,628,261. TEXTILE PROCESSING OR FINISHING MACHINE. GEORGE J. MCGANN, Providence, R. I., assignor to Slasher Rolls Co., a Corporation of Massachusetts. Filed Mar. 26, 1925. Serial No. 18,546. 19 Claims. (Cl. 28—28.)



1. In a processing machine, the combination of cooperating rolls between which material passes, of which one is a press roll, and means whereby strand material may be applied to cover the face of said press roll by operating said machine.

1,628,262. HEAVY-DUTY LOCOMOTIVE. DAVID R. MCGINNIS, Kalispell, Mont. Filed Feb. 12, 1926. Serial No. 87,822. 3 Claims. (Cl. 105—37.)



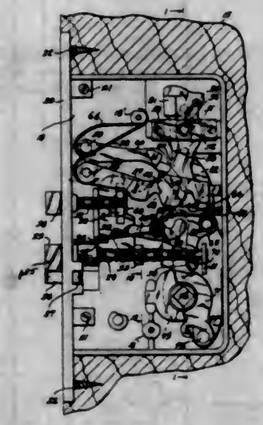
1. In a locomotive, the combination with driving wheel trucks, of a boiler down between said driving wheel trucks and having at its ends projecting units overhanging said trucks, and ball bearing devices interposed between said trucks and said projecting units whereby the boiler is supported upon the trucks.

1,628,263. GAS COCK OR VALVE. FRANK W. MOORE, Redlands, Calif. Filed Mar. 22, 1926. Serial No. 96,516. 2 Claims. (Cl. 67—16.)



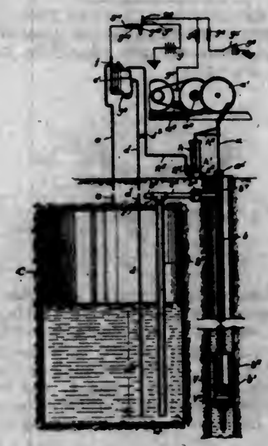
1. In a gas-cock, the combination of a body and a rotatable plug with cooperating gas ports, said body having a fixed stop on the said body, a single stop member mounted to move with the plug for engaging the fixed stop in the "off" position of the gas-cock, a handle for rotating the plug in a direction to bring the gas-cock to its "full on" position with the gas ports in full communication, said body having a second stop beyond the position of the stop-member in the "full on" position of the gas-cock and cooperating with the stop-member when the plug is rotated further in the same direction to hold the gas ports in partial communication, to produce a small flame, said second stop-member being constructed to be adjusted longitudinally and mounted so that its end face abuts against the stop-member on the plug, and accessible from the exterior of the valve to enable the size of the small flame to be regulated.

1,628,264. HOTEL LOCK. ALEXANDER K. MORTON and JOHN A. HALLORAN, South Norwalk, Conn., assignors to The Norwalk Lock Company, Norwalk, Conn., a Corporation of Connecticut. Filed Apr. 15, 1924. Serial No. 706,683. 29 Claims. (Cl. 70—71.)



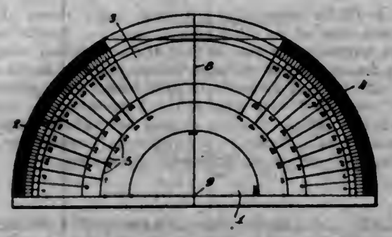
1. In a lock, a movable bolt, means for withdrawing said bolt from holding position, a second means for retracting said bolt, independent means for rendering the second means ineffective, and means operable by said first mentioned means to render said second mentioned means effective when said first mentioned means is operated to withdraw the bolt.

1,628,265. HYDROPNEUMATIC CONTROLLER FOR WATER SYSTEMS. GLENN MUFFLY, Cleveland Heights, Ohio. Filed Sept. 25, 1922, Serial No. 590,449. Renewed Oct. 14, 1926. 8 Claims. (Cl. 103—25.)



1. In a water supply system of the character described a fluid pressure gauge having a column of liquid arranged to rise and fall within a closed chamber under the action of pneumatic pressure, and means controlled by the rise and fall of said liquid for operating an electrical switch.

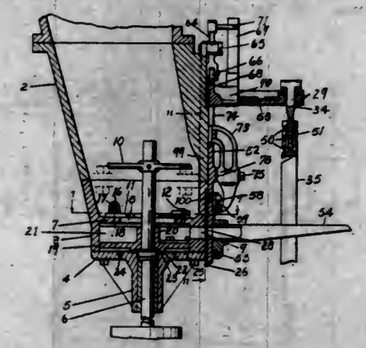
1,628,266. PROTRACTOR AND METHOD OF USING SAME. GENARO M. NAVA, New York, N. Y. Filed June 11, 1926. Serial No. 115,152. 4 Claims. (Cl. 33—1.)



1. A protractor for use in determining the relative positions between the frets of stringed instruments, including a semi-circular body having means thereon defining a central segment and other segments arranged on opposite sides of said central segment, respectively, said other segments being divided by radial lines into at least six equal parts.

1,628,267. FILLING MACHINE. LEWIS D. NELSON, Coldwater, Mich., assignor of two-thirds to Robert M. Neale and William M. Hatch, Union City, Mich. Filed Mar. 20, 1924. Serial No. 700,566. 15 Claims. (Cl. 221—120.)

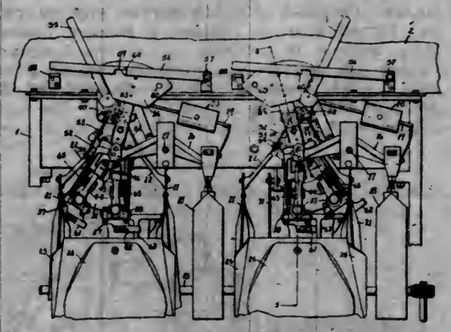
4. In a structure of the class described, the combination of a horisontally disposed cylinder having a central inlet opening at the top, an adjusting valve for said opening comprising opposed segmental members, means for simultaneously adjusting said valve members whereby the feed to the cylinder is maintained centrally thereof, and a rotor comprising a web having ejector blades on its upper side, said cylinder having a discharge opening in the horizontal plane of said blades.



10. In a structure of the class described, the combination of a vertically disposed cylinder having a central valved inlet opening at the top and a peripheral discharge opening, and a rotor comprising a web having ejector blades on its upper side.

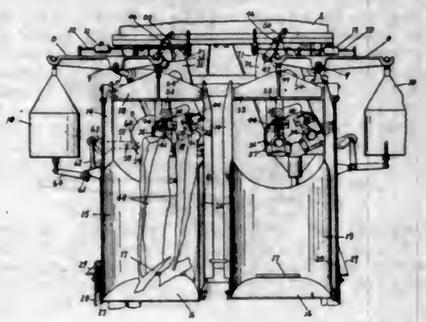
15. In a structure of the class described, the combination of a hopper, a cylinder disposed vertically below said hopper and having a central inlet opening, a rotor shaft disposed vertically through said cylinder and projecting into said hopper, a rotor comprising a web-like body having ejector blades disposed on the upper side thereof, said cylinder having a discharge opening in the horizontal plane of said ejector blades, and an agitator on said shaft within said hopper.

1,628,268. FILLING MACHINE. LEWIS D. NELSON, Coldwater, Mich., assignor of one-half to Robert M. Neale, Union City, Mich. Filed Nov. 29, 1924. Serial No. 752,887. 36 Claims. (Cl. 249—60.)



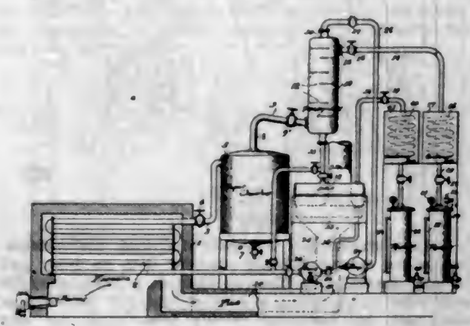
1. In a structure of the class described, the combination of an ejector cylinder provided with an inlet port opening centrally at the top thereof, a rotor provided with blades and having a deflector disposed centrally of said port, an upwardly seating inlet valve for said port, an arm on which said valve is rotatably mounted, the axis of the valve coinciding with that of the rotor shaft, a rock shaft by which said arm is carried, an actuating means for said rock shaft including a cam, a feed valve, a weighing mechanism, means for controlling said feed valve operatively associated with said weighing mechanism to be controlled thereby, and means for controlling the rock shaft actuating cam operatively associated with said weighing mechanism to be controlled thereby.

1,628,269. RAG-FILLING MACHINE. LEWIS D. NELSON, Coldwater, Mich. Original application filed Mar. 20, 1924, Serial No. 700,566. Divided and this application filed Aug. 17, 1925. Serial No. 50,721. 35 Claims. (Cl. 240—60.)



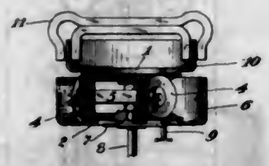
1. In a structure of the class described, the combination of a feed valve, a weighing mechanism including a scale beam, an oscillating carrier pivotally mounted on said scale beam, means for actuating said carrier controlled by the vertical movement thereof on said scale beam, spouts pivotally mounted on said carrier to be successively brought into register with said feed valve, means for normally holding said spouts in erected position, means for automatically releasing said spouts on the downward movement of the carrier, a pivoted platform carried by said scale beam, means for normally supporting said platform in erected position, means for releasing said platform on the downward movement of the scale beam, a dog for holding said carrier in its actuated position adapted to be disengaged by the downward movement of the carrier, and means for actuating said valve operatively associated with said scale beam.

1,628,270. PROCESS AND APPARATUS FOR CRACKING PETROLEUM OIL. ROBERT T. POLLOCK, Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 6, 1920, Serial No. 428,790. Renewed Oct. 6, 1926. 17 Claims. (Cl. 196—48.)



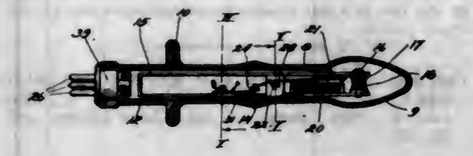
2. A process of cracking petroleum oil, consisting in subjecting the oil to a cracking temperature under a superatmospheric pressure to cause substantial vaporization, subjecting the generated vapors to reflux condensing action by passing them directly to a reflux condenser also maintained under a superatmospheric pressure, delivering reflux condensate to a still where it is subjected to distillation at substantially atmospheric pressure to release those constituents that are of the desired predetermined end point, then returning the liquid portions of said reflux condensate to the cracking zone, and heating said atmospheric still by the flue gates from the furnace of the cracking zone.

1,628,271. SPEEDOMETER. GEORGE RAMSET, Brooklyn, N. Y. Filed Nov. 24, 1925. Serial No. 71,088. 4 Claims. (Cl. 264—10.)



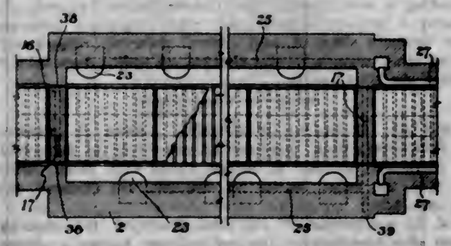
1. In a speedometer, a differential gear unit comprising a pair of main gears and a planetary train, an eddy current member mounted to rotate with one of said main gears, a stationary magnet adapted to brake said eddy current member, a scale member mounted to rotate with the other of said main gears, means to bias said scale member in a particular position, and means to rotate the planetary train in response to the rotation of a machine part.

1,628,272. DILATOR. ALBERT F. RUITZ, Kansas City, Mo. Filed Nov. 23, 1925. Serial No. 70,797. 2 Claims. (Cl. 128—41.)



1. A dilator comprising a hollow casing closed at one end and open at its other end, an electric vibrator mechanism within the closed end of the casing and comprising a frame member mounted within said casing, an electric vibrator coil mounted in said frame, a vibrator element associated with said coil and operating by impact alternately against one end of said coil and the adjacent portion of said frame, and an external switch for controlling the circuit through said mechanism.

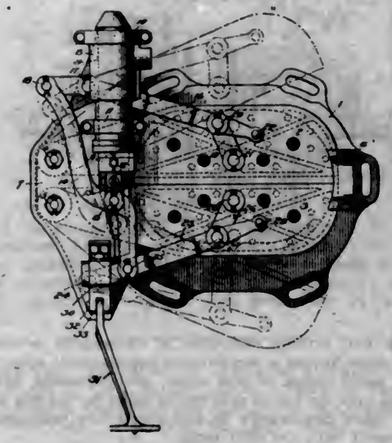
1,628,273. METHOD AND APPARATUS FOR BURNING CLAYWARE. WILLARD D. RICHARDSON, Columbus, Ohio. Filed May 23, 1924. Serial No. 715,325. 35 Claims. (Cl. 25—142.)



7. The method of burning clay ware in tunnel kilns which comprises sealing one portion of the kiln from another and passing gases through a portion of the seal.

14. In combination with a tunnel kiln of means on the conveying units for sealing the passage of gases above the ware and means for controlling the passage of gases through successive conveying units.

1,628,274. FIRE DOOR FOR FURNACES. JAY G. ROBINSON, Chicago, Ill. Filed Nov. 22, 1920. Serial No. 425,850. 15 Claims. (Cl. 110—177.)



1. The combination of a pair of oppositely swingable fire doors working in a vertical plane and meeting in a substantially horizontal joint, door operating levers pivotally connected to the said doors, and fluid actuated mechanism including a vertically arranged cylinder associated with the levers for both positively opening and closing the doors.

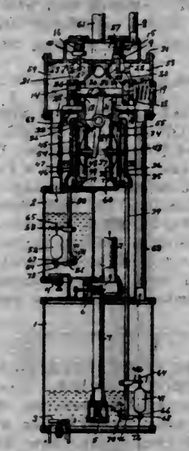
1,628,275. CURETTE. SAMUEL F. ROBINSON, Columbus, Ohio. Filed Apr. 30, 1926. Serial No. 105,716. 1 Claim. (Cl. 128—304.)



A curette having an elongated handle and a substantially circular concavo-convex blade having a circumambient operating rim, said blade secured eccentrically thereof at its concave side to the handle within the rim thereof and in a position having the major portion of its diameter including said connection lying at an acute angle to the axis of said handle and the portion beyond said connection at an obtuse angle to said axis whereby both said portions are available for removing obstructions from the ear.

1,628,276. PNEUMATIC PUMP. HOMER S. ROGERS, Milwaukee, Wis., assignor to Milwaukee Air Power Pump Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,606. 7 Claims. (Cl. 103—238.)

2. In a pneumatic pump of the class described, a plurality of pump chambers, a valve chest communicating with each of said chambers, an exhaust chamber common to both said pump chambers and communicating therewith through said valve chests, valves for controlling the latter communication, an air admission chamber also common to and communicating with both said pump chambers and said valve chests, valves mounted in said admission chamber for controlling such communication and means for actuating said valves.



1,628,277. BUMPER. WILLIAM F. SCHACHT, Huntington, Ind. Filed Aug. 29, 1925. Serial No. 53,324. 2 Claims. (Cl. 4—148.)



1. A bumper for the purpose specified comprising a longitudinally curved body of uniform cross section provided with knobs on its under sides adjacent its ends, and with sockets for the accommodation of fastening devices.

1,628,278. JEWELRY. SYDNEY SCHRUBB, Brooklyn, N. Y. Filed Mar. 17, 1926. Serial No. 95,429. 2 Claims. (Cl. 63—2.)



2. An article of jewelry comprising, an ornamental object for display on the back of the hand, a flexible loop for engaging a finger and receiving the knuckle of said

finger, a loop for engaging the wrist, means for securing the object to the finger engaging loop, means for securing the object to the wrist engaging loop, and means to take up slack to fit the article to different sized hands and retain the ornamental object in snug contact with the back of the hand.

1,628,279. SENSITIVE LAYER ON A SUITABLE BASE AND PROCESS OF MAKING SAME. MAXIMILIAN PAUL SCHMIDT and WILHELM KRIEGER, Biebrich-on-the-Rhine, Germany, assignors to Kalle & Co. Aktiengesellschaft, Biebrich-on-the-Rhine, Germany, a Corporation of Germany. Filed June 19, 1925, Serial No. 38,288, and in Germany May 28, 1924. 8 Claims. (Cl. 95—7.)

1. Process for producing sensitive layers on a suitable base, consisting in covering the base with a diazo compound being formed from amino compounds containing at least one other amino group and an azo dyestuff component.

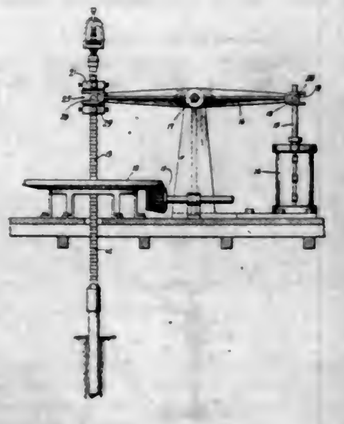
1,628,280. PROCESS FOR PREPARING NITRILES OF THE BENZANTHRONE SERIES. MAXIMILIAN PAUL SCHMIDT and WILHELM NEUGEBAUER, Biebrich-on-the-Rhine, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 23, 1926, Serial No. 90,205, and in Germany Nov. 17, 1924. 3 Claims. (Cl. 260—61.)

3. As a new product, dicyanobenzanthrone.

1,628,281. PROCESS OF MAKING BASIC OPEN-HEARTH STEEL. JULIAN L. SCHUELER, Peoria, Ill. Filed Mar. 27, 1926. Serial No. 98,018. 8 Claims. (Cl. 75—27.)

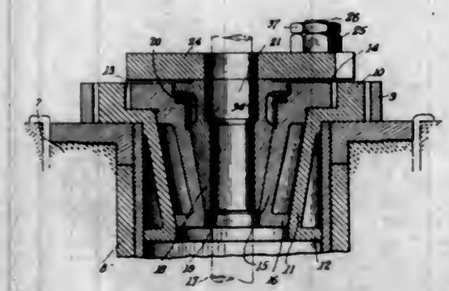
1. The process of making basic open hearth steel using cold charges, which consists in first charging an insufficient amount of limestone to form a finishing slag with respect to the weight and kind of metal charged, and without removing the slag formed, finally making up the insufficiency of limestone after the charge has melted by the addition of burned lime to form the finishing slag.

1,628,282. WELL-DRILLING APPARATUS. WALDO SHELDON, Greenwich, Conn. Filed May 29, 1923. Serial No. 642,182. 15 Claims. (Cl. 255—22.)



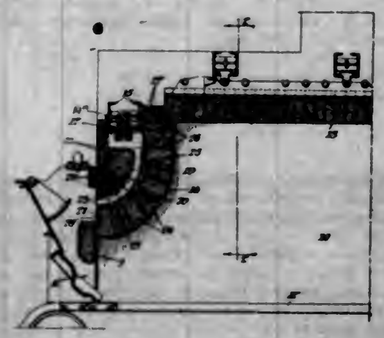
1. In deep oil well drilling apparatus, the combination with a rotary table having a chuck passage at the center for the drill steam, of a power device supported in fixed relation at one side of the rotary table and a drill controlling and pressure applying lever extending from said power device over the table and having provision for a rotary connection with the drill stem.

1,628,283. WELL-DRILLING CHUCK. WALDO SHELDON, Greenwich, Conn. Filed Sept. 6, 1924. Serial No. 736,206. 48 Claims. (Cl. 255—23.)



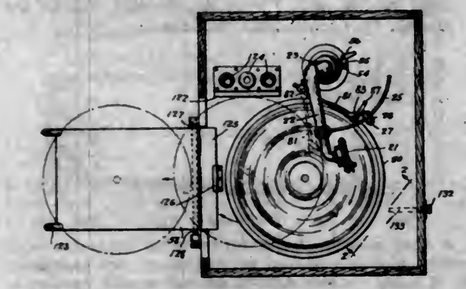
1. In well drilling apparatus, a horizontally mounted rotary table having a downwardly faced conical socket, a spring collet seated in said socket and adjustable means engaged over the top of said spring collet for forcing said spring collet downwardly in said socket into compressive engagement with the drill stem.

1,628,284. FURNACE-ARCH CONSTRUCTION. NATHANIEL D. STEVENS, Hazleton, Pa., and LOUIS H. HORBEIN, Chicago, Ill., assignors to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 9, 1920. Serial No. 422,775. 24 Claims. (Cl. 110—99.)



1. In a furnace having a fuel inlet at a margin of a grate, an ignition arch arranged above the margin of the grate, at which fuel is introduced, said ignition arch comprising a series of spaced-apart depending frame members having a convex inner portion rising abruptly from the lower end, said convex portion having a laterally projecting flange for a part of its length, and a series of wedge-shaped bricks having in their smaller ends recesses accommodating the said flange to sustain said bricks in abutment with one another.

1,628,285. PHONOGRAPH. HENRY C. STOLL and HUGO L. SCHRODER, New York, N. Y., assignors, by direct and mesne assignments, of one-third to Harry B. Kanter and one-third to Philip S. McLean, New York, N. Y., and one-third to said Schroder. Filed June 1, 1921. Serial Serial No. 474,114. 22 Claims. (Cl. 274—10.)



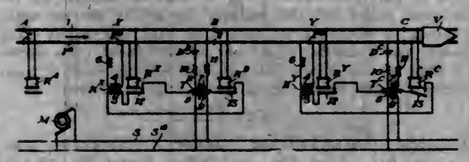
1. In a phonograph, a turn-table rotating in a fixed plane and provided with a retractable center pin, means for retracting said pin clear of the topmost of a pile of records on the turn-table and means for shifting the topmost record when thus freed clear of the turn-table.

1,628,286. METHOD OF MAKING RUBBER TUBES. JAMES D. TEW, Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 13, 1925. Serial No. 22,549. 1 Claim. (Cl. 154—8.)



The method of making rubber tubes which comprises forming successive elongated blanks of warm and tacky rubber stock, longitudinally feeding the said blanks of stock in procession to a rolling position without intermediate storage of the blanks, and there mounting each blank upon a mandrel by rolling the mandrel transversely upon the blank, the blanks being formed in spaced-apart relation in procession by severing and removing zones of stock from a continuous strip of stock.

1,628,287. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HOWARD A. THOMPSON, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 25, 1926. Serial No. 83,441. 7 Claims. (Cl. 246—34.)



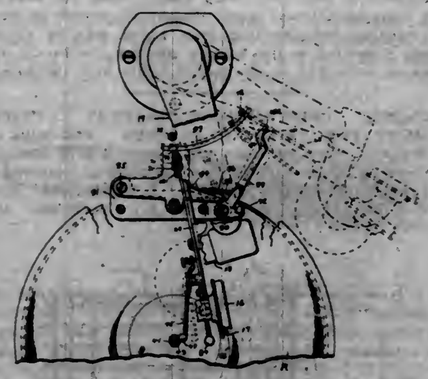
1. Railway traffic controlling apparatus comprising a stretch of railway track, a source of track circuit current for said stretch, a transformer having a primary constantly supplied with alternating current and two secondaries, means for constantly connecting one said secondary with the rails of said stretch, and means for at times supplying train controlling current from the other said secondary to at least one rail of said stretch.

1,628,288. RADIATOR. JOSEPH TRISKA, Omaha, Nebr. Filed Feb. 1, 1923. Serial No. 616,349. 2 Claims. (Cl. 137—72.)



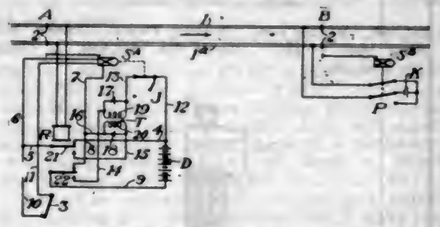
2. In a radiator of the class described, the combination with upper and lower tanks, inlet and outlet pipes connecting respectively with said tanks, and a connecting body between said tanks having multiple passages for the flow of liquid from one to the other; of an overflow-pipe starting in the upper portion of the upper tank, thence descending through said tank, through the connecting body, thence through the lower tank at a portion thereof adjoining the outlet pipe, and thence directed to discharge impingingly upon the outlet pipe whereby a flow of steam through said overflow-pipe may serve to thaw frozen liquid in and thereby open a continuous passage through the radiator between the inlet and outlet pipes thereof.

1,628,289. PHONOGRAPH. JOHN WAHLBERG, New York, N. Y. Filed May 17, 1922. Serial No. 561,586. 33 Claims. (Cl. 274—9.)



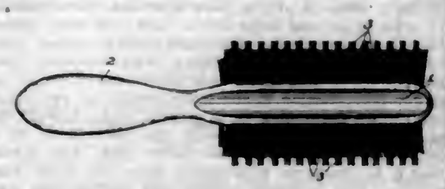
1. In a phonograph, a turn-table having a record guiding pin provided with a cam sunk in the side thereof, a swinging tone arm, a pivoted trip lever adapted to be carried by said tone arm into operative engagement with said cam at the end of the playing of a record on the turn-table and means for controlling a function of the phonograph under control of said trip lever.

1,628,290. RAILWAY SIGNALING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 9, 1926. Serial No. 140,450. 7 Claims. (Cl. 246—41.)



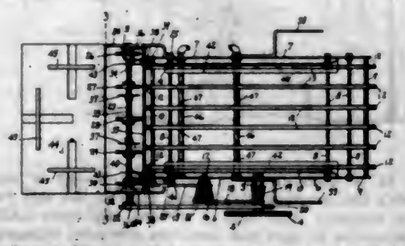
1. In combination with a railway signal having the usual operating mechanism, a circuit for said mechanism, means for at times interrupting such circuit for a brief interval, and means for supplying a surge of energy to the mechanism during such interval.

1,628,291. HAIRBRUSH. FRANK R. WEBER, Troy, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a Corporation of New York. Filed Aug. 27, 1925. Serial No. 52,830. 1 Claim. (Cl. 15—160.)



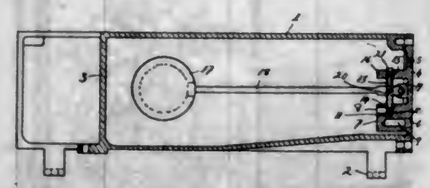
A hair brush comprising an elongated body portion, one end thereof forming a handle and the other end thereof being relatively thin and having its longitudinal sides curled upwardly to provide a brush back substantially U-shaped in cross section, and a plurality of bristles arranged in longitudinally extending substantially parallel rows and projecting outwardly from the convex face of said substantially U-shaped back, said bristle tufts providing a brushing and combing surface which is substantially at least semi-circular and the outer ends of the tufts of each row being spaced from the ends of the tufts of adjacent rows whereby to provide a series of combing and brushing rows which may be successively presented to the hair by rotating the handle and back as the brush is also moved bodily over the hair.

1,628,292. PRINTED-SHEET-DELIVERY ATTACHMENT FOR PRINTING PRESSES. FREDERICK J. WERMES, Norwood, Ohio, assignor to S & W Machine Company, Cincinnati, Ohio, a Partnership composed of Frederick J. Wermes and Robert H. Steitenpohl. Filed Feb. 15, 1924. Serial No. 693,117. 6 Claims. (Cl. 271—69.)



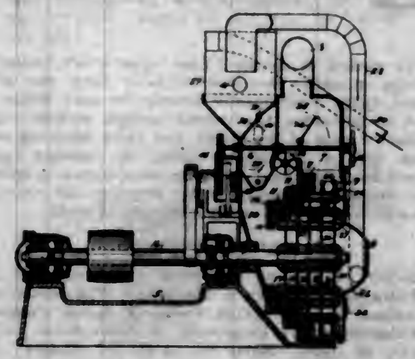
1. In an attachment for printing presses of the character described, means for conveying printed sheets off of a printing press, said sheets having an unprinted margin at each side, said conveying means operating at a given speed in combination with said wheels for engaging said sheets on said margin, said feed means operating at a greater rate of speed to precipitate said sheets to a given point.

1,628,293. FLOAT CHAMBER. THOMAS C. WHITEHEAD, Detroit, Mich. Filed Jan. 7, 1924. Serial No. 684,861. 1 Claim. (Cl. 137—103.)



A float chamber for a refrigerating apparatus comprising a casing having an opening at one end thereof, of a cap for said opening having an inlet passage at the upper end thereof through which the refrigerant may be supplied to the chamber and having an inwardly extending enlargement, said enlargement having spaced longitudinally extending passages respectively opening interiorly and exteriorly of said chamber and a transversely extending passage connecting said longitudinally extending passages, an inwardly extending projection above the enlargement, a valve pin slidably mounted in the projection and enlargement for controlling the flow of fluid through the transversely extending passage, and means for controlling the movement of said valve pin including an arm pivoted upon the cap intermediate the projection and enlargement and pivotally connected to the valve pin, and a float carried by said arm.

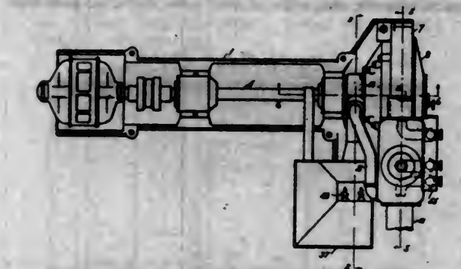
1,628,294. COAL PULVERIZER. ALGOT A. WICKLAND, Chicago, Ill. Filed Dec. 19, 1923. Serial No. 681,455. 14 Claims. (Cl. 83—11.)



1. In a device of the kind described and in combination a pulverizer comprising a housing having an inlet and outlet for the material, a rotary driven shaft therein, a plurality of series of pins driven by said shaft, and grinding rings, one spaced about each series of pins, the said rings and the cooperating ends of said series of pins being arranged in stepped relation.

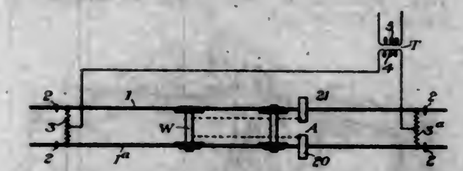
1,628,295. PULVERIZER. ALGOT A. WICKLAND, Chicago, Ill. Filed Feb. 20, 1925. Serial No. 10,458. 31 Claims. (Cl. 83—11.)

1. In a pulverizer, a pulverizing chamber, a coal receiving chamber mounted adjacent to said pulverizer chamber, a coal deflecting and distributing sleeve formed in said receiving chamber; a coal receiving well, an upwardly inclined chute joining the said well to the said coal receiving chamber, said well being adapted to be



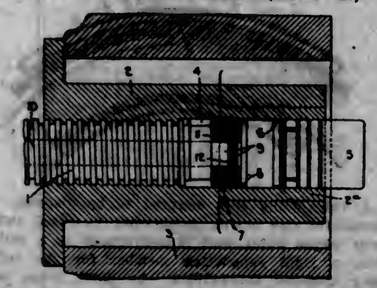
supplied with un-pulverized coal from a hopper mounted there-above; and means in said well to agitate the coal in the well, forward toward said inclined chute.

1,628,296. TRAIN-CARRIED RECEIVER FOR AUTOMATIC TRAIN-CONTROL SYSTEMS. CONRAD H. ZIERDT, Rosedale, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1926. Serial No. 95,863. 2 Claims. (Cl. 246—63.)



1. A train carried receiver comprising a pair of cores disposed transversely over the two track rails respectively and each provided with two legs projecting downwardly on opposite sides of the associated rail, and a winding made up of a coil on each leg said coils being connected in series in such manner that the electromotive forces induced in such winding by fluxes due to current flowing in the same direction in the track rails are additive but that the resultant electromotive force created in said winding by foreign fluxes passing through said cores is substantially zero.

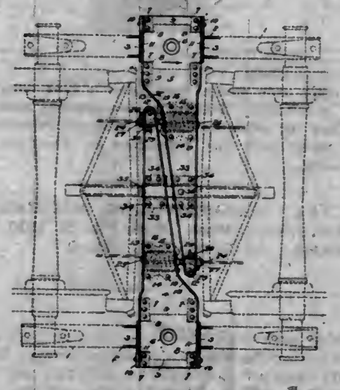
1,628,297. MEANS FOR AUTOMATICALLY RELIEVING THE PRESSURE ON PRESSURE MEMBERS WHEN THE SAME ARE SUBJECTED TO UNDUE STRESS. WILLIAM ERNEST ABBOTT, Rochdale, and JOHN ROBERT ELGEY, Littleborough, England, assignors to George Spencer, Moulton & Company, Limited, London, England, a Company of Great Britain. Filed June 11, 1926, Serial No. 115,412, and in Great Britain Nov. 12, 1925. 3 Claims. (Cl. 18—2.)



1. A pressure relieving device, comprising a support provided with a screwthreaded hole and a pressure chamber for fluid, a screw for applying pressure engaging

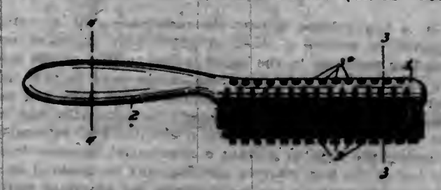
with the said hole and having an outlet for the fluid, a piston slidable in the pressure chamber and bearing against the end of the screw and having a longitudinal passage, an imperforate disk of frangible material normally closing the said passage, and a plunger slidable in the pressure chamber and operated by the pressure therein.

1,628,298. CAR TRUCK. GUSTAF A. ANDERSON, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed June 2, 1922, Serial No. 565,319. Renewed Mar. 5, 1927. 30 Claims. (Cl. 105—179.)



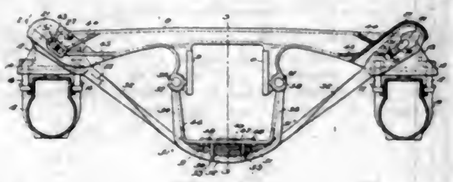
1. In a car truck, the combination with longitudinally movable side frame members, of means connecting said side frame members, said means including inwardly extending cooperating portions rigidly carried by said side frame members, and yieldable means connecting said cooperating portions upon opposite sides of the longitudinal center of the truck, said yieldable means being energized upon displacement of the side frame members from normal position and acting to restore said side frame members to normal position upon cessation of the force producing displacement.

1,628,299. HAIRBRUSH. GAYNS B. AUFSESSER, Albany, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a Corporation of New York. Filed Aug. 27, 1925. Serial No. 52,810. 2 Claims. (Cl. 15—160.)



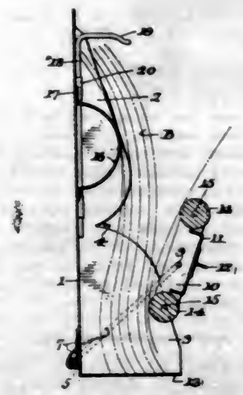
1. A hair brush comprising a handle member having a longitudinal extension forming a brush back, a plurality of substantially parallel rows of bristle tufts arranged longitudinaly of said back in outwardly diverging relation to one another, the rows being arranged to provide a brushing surface which is at least substantially semi-circular with the back constituting substantially the axis of the arc defined by said brushing surface, the outer ends of the tufts of each row being spaced substantially from the ends of the tufts of adjacent rows whereby to provide a series of combing and brushing rows which may be successively presented to the hair by rotating the handle and back as the brush is also moved bodily over the hair.

1,628,300. TRUCK SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Mar. 16, 1925. Serial No. 15,856. 30 Claims. (Cl. 105—204.)



1. A truck side frame comprising a cast compression member, a relatively flexible tension member, and means intersecting the adjacent ends of said members and connecting them with the formation of non-rigid joints therebetween.

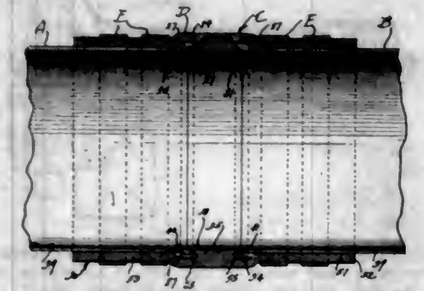
1,628,301. BAG-DELIVERING MACHINE. EARL BLACKER, Everett, Wash. Filed Feb. 23, 1926. Serial No. 90,143. 1 Claim. (Cl. 211—2.)



In a bag holding device, the combination of a casing adapted to receive a stack of paper bags, mounted upstanding members in the upper inside portion of the casing to cause the upper portions of the bags to bow upwardly, an arm adjustably mounted on the bags and extending over the bags and loosely engaging the top of the outermost bag, and means resiliently and releasably engaging the bags at a point a substantial distance from the top of the bag, whereby one bag may be removed at a time readily without tearing the bags, the aforesaid resilient bag engaging means including swingable arm members, plates swingably mounted on said arm members, said plates carrying loosely mounted rollers at each end thereof to engage the bags, substantially as described.

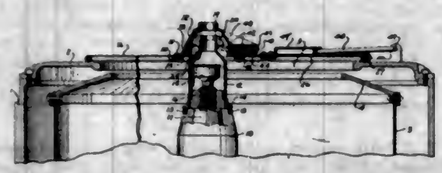
1,628,302. COUPLING SLEEVE FOR DREDGING PIPES. NORMAN C. BRAY, Portland, Oreg. Filed June 13, 1925. Serial No. 36,896. 3 Claims. (Cl. 285—90.)

1. In a flexible dredging pipe joint the combination of a pair of pipe sections, and a coupling arrangement including a flexible sleeve with a passageway therethrough adapted to receive the ends of said pipe sections, said sleeve internally thereof providing a filler band against which the ends of said pipe sections may abut to fill the space between the ends of said pipe sections, said pipe



sections at their ends and filler band being so formed as to provide an expansion and contraction pocket at the juncture of each of said pipe sections with said band.

1,628,303. SAFETY GUARD FOR CENTRIFUGAL MACHINES. TANDY A. BRYSON, Troy, N. Y., assignor to Tolhurst Machine Company, a Corporation of New York. Filed July 5, 1923. Serial No. 649,458. 23 Claims. (Cl. 192—136.)



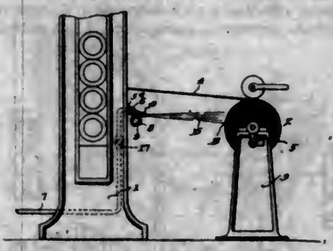
2. A safety device for centrifugal machines, including in combination a basket, a hub therefor, a closure for the basket, a locking member carried by the closure at substantially the central part thereof, a cooperating locking member carried by the hub and rotating therewith, one of said locking members being rotatable relatively to the part on which it is mounted, said two locking members normally locking the cover closed, and permitting unlocking of the cover only when the said relatively rotatable locking member is slightly rotated.

1,628,304. SECTIONAL AIR BAG. RICHARD S. BURDETTE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 10, 1925. Serial No. 22,206. 7 Claims. (Cl. 18—45.)



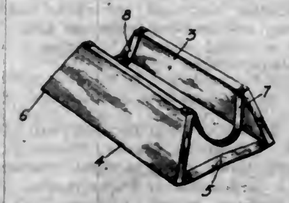
1. A vulcanizing core adapted to be disposed within a pneumatic tire casing comprising a closed inflatable member whose outer wall is continuous in a radial direction, a rigid supporting member for the inflatable member disposed therewithin, the parts being so constructed and arranged that the ends of the inflatable member are not secured to the supporting member but are free to roll therealong when the container is inflated.

1,628,305. SPRAY MARKER. WILLIAM H. CANNARD, Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a Corporation of Wisconsin. Filed Aug. 25, 1924. Serial No. 734,114. 7 Claims. (Cl. 93—93.)



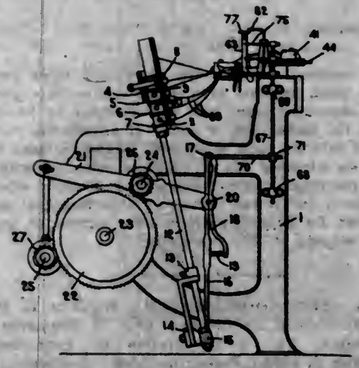
1. In a method of dividing a web into equal sections, the step of spraying a marking fluid upon a moving web at intervals predetermined by the speed of travel of the web.

1,628,306. TIRE-DISPLAY HOLDER. RUFUS W. CLARK, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 10, 1923. Serial No. 656,654. 3 Claims. (Cl. 211—24.)



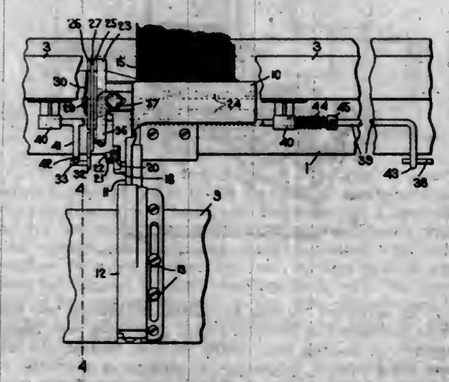
1. A tire holder comprising two rigid quadrilateral members disposed in side-by-side relation, means connecting the bottom portions of said members, and spaced flexible means connecting the top portions thereof and adapted to cause the top portions to move toward each other in clamping relationship to support a tire between the members.

1,628,307. FILLING CLAMPING AND PARTING MECHANISM FOR SHIFTING SHUTTLE-BOX LOOMS. EDWARD A. CUNNIFF, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 29, 1925. Serial No. 65,584. 14 Claims. (Cl. 139—116.)



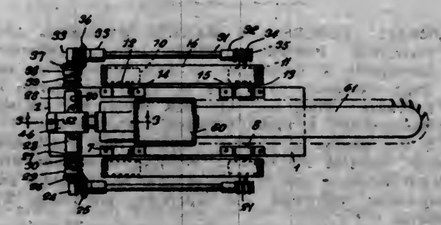
1. A shifting shuttle box loom comprising filling clamping mechanism located normally out of position to receive a filling extending from the selvage to an inactive shuttle and means actuated upon each shift of the shuttle boxes to cause the clamping mechanism to move into a position to receive such a filling.

1,628,308. FILLING CLAMPING AND PARTING MECHANISM FOR SHIFTING SHUTTLE-BOX LOOMS. EDWARD A. CUNNIFF, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 29, 1925. Serial No. 65,585. 9 Claims. (Cl. 139—116.)



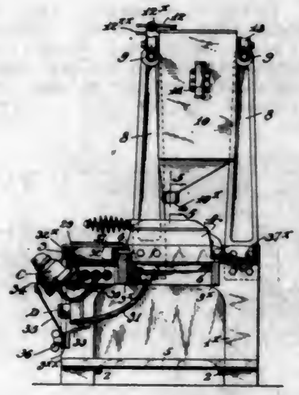
1. A shifting shuttle box loom comprising filling clamping and parting mechanism located adjacent the selvage on the drop box side, and means acting upon the completion of the first pick succeeding a shift of the boxes to cause said mechanism to clamp the filling running to a shuttle shifted from active to inactive position and to part said filling between the selvage and the point at which it is clamped.

1,628,309. MINING-MACHINE CARRIER. KENNETH DAVIS, St. Benedict, Pa., assignor, by mesne assignments, to Rembrandt Peale, St. Benedict, Pa., W. Sanders Davis, New York, N. Y., and William S. Wallace, Philadelphia, Pa., trustees. Filed June 28, 1919, Serial No. 306,156. Renewed May 13, 1925. 9 Claims. (Cl. 180—4.2.)



3. A carrier for mining machines comprising a relatively long shallow platform, tractor treads mounted on each side thereof and constructed and arranged to support said platform in underslung relation thereto in close proximity to the ground, a transverse shaft journaled relatively to said platform, means including clutches to selectively drive said treads from said shaft, a first worm gear on said shaft, a second worm gear having a conical bore hole therein and journaled for rotation in operative relation with said first worm gear, a stub shaft in said bore hole and associated with said second worm gear to drive the same, said stub shaft having a permissive movement in said bore hole to aline it with the driving connection of a mining machine when in loading position upon said platform.

1,628,310. ELECTRICAL COOKING APPARATUS. MILTON J. DE ROOS, New York, N. Y. Filed Feb. 2, 1925. Serial No. 6,218. 6 Claims. (Cl. 107—66.)



1. An electrical cooking apparatus comprising two end frame members and horizontal bars connecting said frame members at the top and toward the base thereof, the top bars being spaced to provide a support, a plurality of waffle irons each having a lateral projecting flange resting on said horizontal bars and each iron having electrical connections extending between and below said bars and leading to a switch at the front of the apparatus, two risers carried by each frame member, each riser being connected to the corresponding riser at the opposite end of the apparatus, by means of a horizontal rod, and a batter container disposed between the rods and depending from supporting wheels adapted to roll upon the rods.

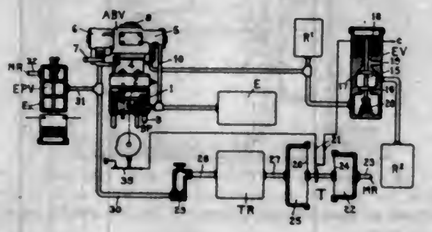
3. In cooking apparatus, a set of cooking irons arranged side by side in a row, independent heat controls for said irons arranged below and in front of the same and a batter carrier mounted for travel over the rearward portions of said irons so as to leave the forward portions of said irons fully exposed and provided with a forwardly pitched discharge spout for delivering the batter to the central portions of the irons.

1,628,311. PROCESS OF MAKING MAGNESIA AND CALCIUM PENTASULPHIDE. VIGGO DREWSEN, Larchmont, N. Y., assignor to West Virginia Pulp and Paper Company, New York N. Y., a Corporation of Delaware. Filed Dec. 11, 1923. Serial No. 680,043. Renewed Oct. 8, 1926. 8 Claims. (Cl. 23—138.)

8. The process of treating dolomitic lime which comprises, effecting the chemical reaction of sulphur with slaked dolomitic lime to form calcium pentasulphide and magnesium hydroxide, and separating magnesium hydroxide.

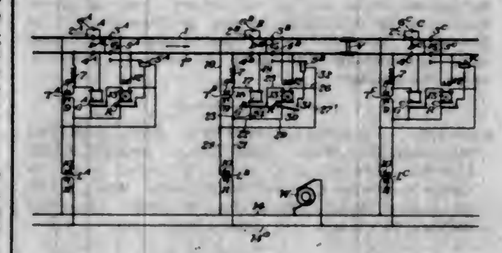
1,628,312. BRAKE-APPLYING APPARATUS. SAMUEL W. DUDLEY, New Haven, Conn., and CHARLES S. BURNELL, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y. Filed May 11, 1925. Serial No. 29,430. 12 Claims. (Cl. 303—13.)

1. Brake applying apparatus for trains employing a braking system of the type in which the brake pipe is normally charged and in which venting thereof effects a brake application; the combination of an equalising reservoir, a brake pipe, an equalising discharge piston valve connecting said equalizing reservoir and brake pipe for exhausting air from the brake pipe to atmosphere if brake pipe pressure is higher than equalising reservoir pressure, and two reduction reservoirs normally connected together; a brake applying valve which may be controlled manually; automatically controlled pneumatic means for operating said valve to the brake applying position, said valve if operated to the brake applying position connecting said equalizing reservoir to one of the reduction reservoirs, thereby effecting a predetermined reduction in equalizing reservoir pressure; pneumatically controlled means



connected to be operated when said first mentioned pneumatic means is operated for isolating said two reservoirs from each other; and means annulling the effect of said last mentioned means effective a predetermined time after said automatically controlled pneumatic means is operated, whereby said two reservoirs are again connected together and a second stage of reduction of equalizing reservoir pressure results.

1,628,313. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. ROBERT M. GILSON, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1926. Serial No. 88,799. 6 Claims. (Cl. 246—34.)

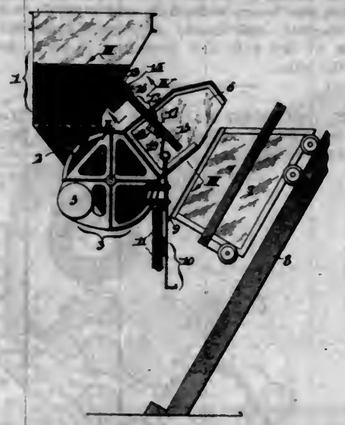


1. In combination, a stretch of railway track divided into two track sections by a short intermediate portion of track separated from both said sections by insulated joints in the track rails, a source of alternating current connected with the rails of one said section, a track relay having two windings one of which is connected with the rails of the other section, and means normally effective but rendered ineffective if any of said insulated joints break down for supplying alternating current to the remaining winding of said track relay.

1,628,314. SKIP-HOIST SYSTEM. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 7, 1925. Serial No. 7,509. 5 Claims. (Cl. 214—125.)

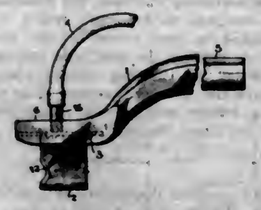
1. In a system of the character described, the combination with a skip bucket and a cooperating loader, of

gravity-influenced interconnected members, serving to normally lock the loader positively against lateral displace-



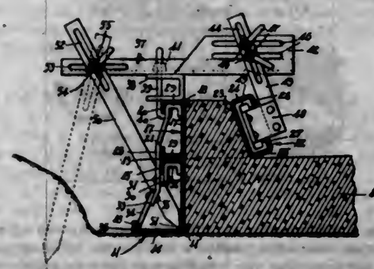
ment in inactive position but automatically actuable to release the same when the bucket approaches loading position.

1,628,315. CUTTING TOOL. CHARLES E. HAMILTON, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 14, 1925. Serial No. 2,370. 3 Claims. (Cl. 30—9.)



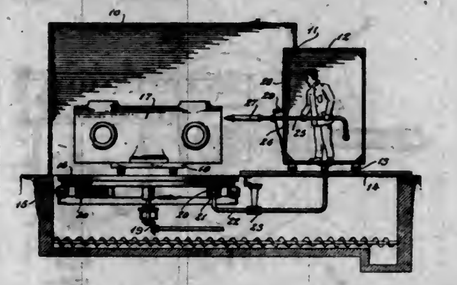
1. A tire regrooving tool comprising a holder adapted to retain a cutting blade, and a lubricant conducting tube positioned over the blade and communicating therewith through the holder to permit the flow of fluid evenly to all parts of the blade during operation of the tool.

1,628,316. CONCRETE FORM. JOHN N. HELTZEL, Warren, Ohio. Filed Dec. 8, 1925. Serial No. 74,018. 32 Claims. (Cl. 25—118.)



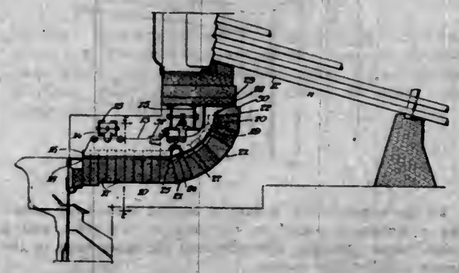
1. In a concrete form, a device adapted to be disposed at the exterior of a form having means for clamping it between and against the flanges of a lower form rail and having a portion for holding in place an upper form rail

1,628,317. CARRIAGE ARRANGEMENT FOR SAND-BLAST APPARATUS. HERMAN F. HONVEL, New York, N. Y. Filed Dec. 24, 1921. Serial No. 524,626. 4 Claims. (Cl. 51—15.)



1. In apparatus of the character described, a rotary support for the work to be treated, a nozzle-carriage movable toward and from said support, and a connecting rod one end of which is connected eccentrically with said support, the other end being connected with said carriage to cause movement of the carriage toward and from the support to occur simultaneously with the rotation of the support in such a way that the carriage is always approximately at the same distance from the surface of the work to be treated.

1,628,318. FURNACE-ARCH CONSTRUCTION. LOUIS H. HOSBEIN, Chicago, Ill., and RAYMOND D. FOLTZ, East Orange, N. J., assignors to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1921. Serial No. 461,358. 22 Claims. (Cl. 110—95.)

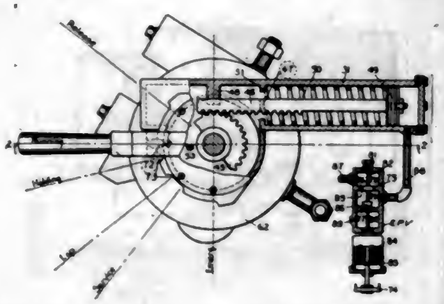


1. In furnace arch construction, the combination of a main arch bar, a row of bricks carried thereby, a rear extension member on said bar having a rearwardly and upwardly curved brick-supporting portion, and a series of tapering bricks carried by said member and having their broader end faces associated to form a rearwardly and upwardly curved deflecting surface constituting a continuation of the bottom arch surface formed by surfaces of bricks on the main arch bar.

1,628,319. TRAIN CONTROL. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Original application filed Oct. 7, 1922, Serial No. 593,073. Divided and this application filed Nov. 27, 1925. Serial No. 71,670. 11 Claims. (Cl. 303—56.)

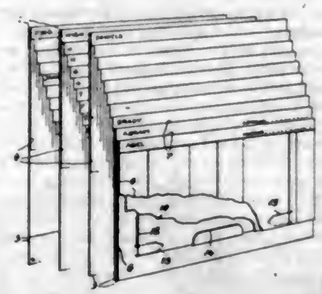
1. In a braking system, the combination with an engineer's brake valve having a rotary valve therein; mechanism including a handle for operating said rotary valve to the release, the running and the brake applying position; automatic means for operating said rotary valve; said mechanism being constructed so as not to

permit said rotary valve to be moved toward the release position manually when it is automatically operated even though the force produced by the automatic means is



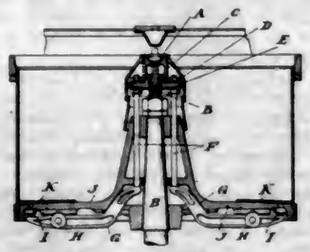
less than that exertable by the engineer, and circuit closing means closed when said valve is in a brake applying position.

1,628,320. FILING AND POSTING SYSTEM. CHARLES N. JACKSON, New York, N. Y. Substitute for application Serial No. 328,657, filed Oct. 6, 1919. This application filed Feb. 27, 1922. Serial No. 539,751. 26 Claims. (Cl. 129—16.5.)



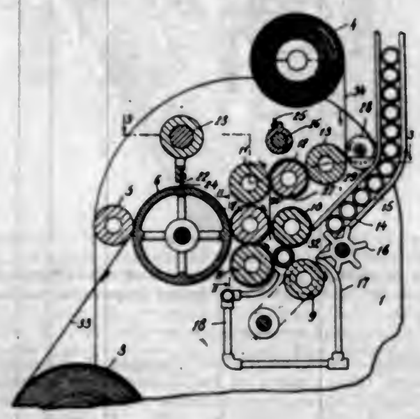
26. In combination, a carrier having means for securing a statement sheet on the face of the same and a ledger sheet hingedly secured along its upper edge to the upper edge of the carrier.

1,628,321. CENTRIFUGAL MACHINE. RICARDO LEHKY, Buenos Aires, Argentina. Filed May 13, 1926. Serial No. 108,843. 5 Claims. (Cl. 127—19.)



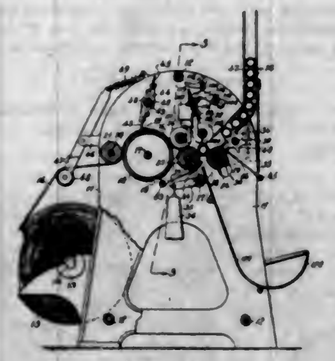
1. In a centrifugal machine used in the manufacture of pile sugar, the combination with a centrifugally operated receptacle and an upright axle therefor, of a ring superposed on the bottom of the receptacle, and means operating to raise the ring off of the said bottom comprising a plurality of pins operating under the ring, pivoted radial levers actuating said pins to move them axially thereof, and means adjustable from the upper elevation of the axle and operating to rock the levers to lift the pins.

1,628,322. WINDING MACHINE. NICHOLAS MARCALUS, Plainfield, N. J. Filed Mar. 12, 1923. Serial No. 624,357. 53 Claims. (Cl. 93—4.)



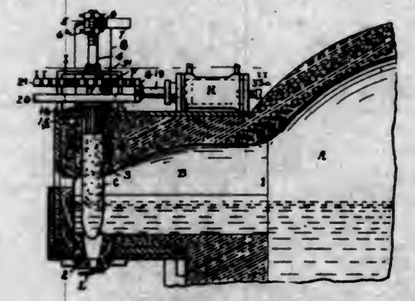
1. In a web-winding machine, the combination of winding rollers designed to hold and rotate a core, feeding rollers designed to feed a web to the core, means for perforating or cutting the web, and means for stopping the rotation of the feeding rollers when the desired length of material has been wound upon the core, while the winding rollers continue to rotate, thus detaching the wound roll from the web.

1,628,323. WEB-WINDING MACHINE. NICHOLAS MARCALUS, Plainfield, N. J. Filed Aug. 18, 1925. Serial No. 50,903. 17 Claims. (Cl. 93—1.)



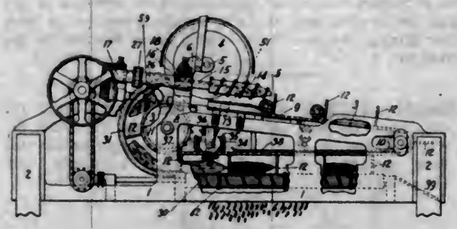
1. In a web-winding machine the combination of winding means, means for feeding a web to the winding means, means for arresting the winding and feeding means when the desired length of material has been wound, and means acting automatically and in synchronism with the feeding and winding means for severing the wound roll from the web.

1,628,324. PROCESS AND APPARATUS FOR FEEDING GLASS. WILLIAM J. MILLER, Swissvale Borough, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed July 22, 1921. Serial No. 486,712. 30 Claims. (Cl. 49—55.)



1. In glass feeding mechanism, the combination of a receptacle for molten glass provided with a discharge orifice, means reciprocating within said receptacle for propelling the glass through said orifice, and a rotary stirring tool immersed in the glass within said receptacle, for the purpose described.

1,628,325. CORN-HUSKING MACHINE. WILLIAM W. MORRAL, Morral, Ohio, assignor of one-half to Samuel E. Morral, Morral, Ohio. Filed Jan. 23, 1926. Serial No. 83,173. 33 Claims. (Cl. 130—5.)

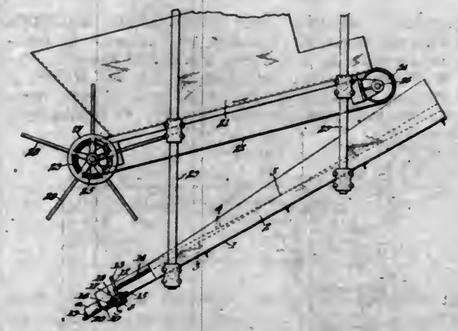


1. In a corn husking machine, a butt removing device, a pair of husking rollers arranged below said butt removing device and extending lengthwise of said machine, a single conveyor for moving an ear of corn transversely to its length past said butt removing device and along said husking rollers, and means interposed between said butt removing device and said husking rollers for turning said ear and causing the same to be presented to said husking rollers in a position substantially parallel therewith.

1,628,326. METHOD OF TREATING RUBBER. WILLIAM G. O'BRIEN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 22, 1923. Serial No. 626,895. 1 Claim. (Cl. 18—53.)

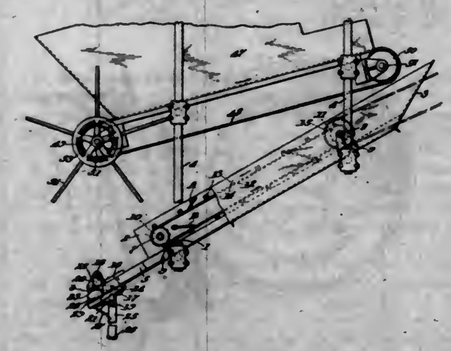
The method of making a rubberized fibrous composition which comprises treating a quantity of rubber cement with hydrogen sulphide and sulphur dioxide and permitting interaction thereof for a short period of time, diluting the mixture with a quantity of rubber solvent prior to the jellation thereof, mixing a quantity of thoroughly separated fibers with the mixtures precipitating the rubber upon the fibers, straining the fibers from the liquid, and permitting them to jell.

1,628,327. SLIDE FEEDER FOR MATCH MACHINES. LUCIAN E. PARKER, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed May 29, 1924. Serial No. 716,676. 8 Claims. (Cl. 198—30.)



1. In a slide feeder for match machines, a feeder trough adapted to feed slides by gravity, a plurality of alternately oppositely inclined guide members uniformly spaced apart to form slide receiving paths between them, whereby slides deposited in said trough in haphazard arrangement will fall into said paths and under the influence of gravity assume uniform predetermined positions therein and travel therethrough in such positions, a stop member arranged adjacent to the discharge end of each path for the purpose of arresting the travel of the slides therein, and means for simultaneously moving all of said stop members out of slide arresting position for the purpose of successively feeding series of slides from said paths in uniform predetermined order.

1,628,328. SLIDE FEEDER FOR MATCH MACHINES. LUCIAN E. PARKER, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Jan. 16, 1925. Serial No. 2,969. 22 Claims. (Cl. 198—30.)

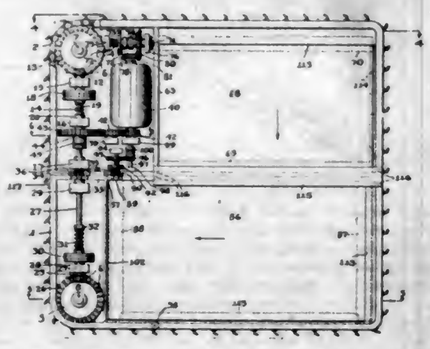


2. In a slide feeder for match machines, a feeder trough adapted to receive slides in haphazard arrangement, means in said trough defining a plurality of paths adapted to receive said slides in predetermned position and in which said slides travel, and means adjacent to the discharge ends of said paths arranged to frictionally engage said slides and arrest their travel, said slide arresting means capable of actuation to positively discharge said slides from said paths in uniform series.

9. In a slide feeder for match machines, an inclined trough adapted to receive slides in haphazard arrangement, means defining a plurality of paths longitudinally of said trough and adapted to receive slides in predeter-

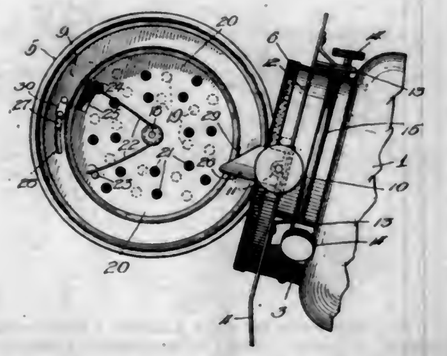
mined position only, and means including a rod extending transversely of said trough and travelling longitudinally thereof entirely above said path-defining means for ensuring the positioning of the slides in said paths in the desired position.

1,628,329. MINING AND CONVEYING MACHINE. RICHARD PEALE, St. Benedict, Pa., assignor, by mesne assignments, to Rembrandt Peale, St. Benedict, Pa.; W. Sanders Davies, New York, N. Y.; and William S. Wallace, Philadelphia, Pa. Filed June 9, 1919. Serial No. 302,929. Renewed Jan. 12, 1927. 35 Claims. (Cl. 262—30.)



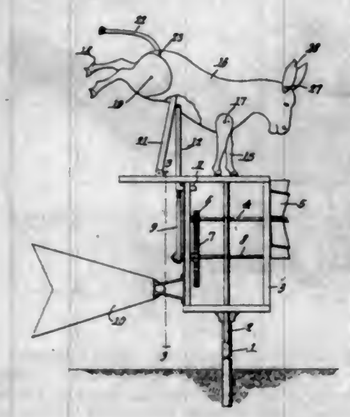
1. A mining machine including in combination a frame adapted to rest upon the mine bottom and to enter the kerf as it is cut, a kerf cutter running in the exterior of said frame, and an endless belt conveyor within the frame and entirely below the top of the cut kerf.

1,628,330. DISPLAY RECEPTACLE. ROBERT G. PECK and ALBERT BROWN, Chicago, Ill., assignors to The Aridor Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 3, 1923. Serial No. 678,109. 24 Claims. (Cl. 215—48.)



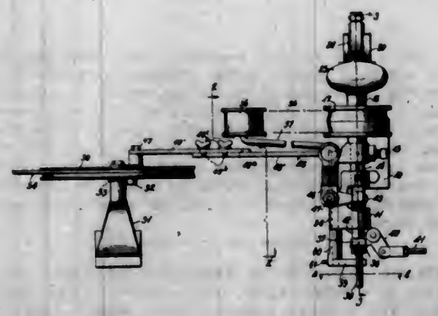
1. A display receptacle comprising, in combination, a transparent container for displaying an enclosed mass of hard candies; a door for opening and closing the receptacle; a hygroscopic medium protected from the atmosphere while the receptacle is open, and communicating with the interior of the receptacle when closed, for conditioning the interior of the receptacle to keep the candies dry and glistening for effective display; and means for covering and uncovering said medium when the receptacle is open and closed respectively.

1,628,331. MECHANICALLY-OPERATED FIGURE TOY. ALONZO HALLIN PENCE and WILLIAM ALONZO PENCE, Somerville, Ala. Filed Aug. 3, 1925. Serial No. 47,964. 2 Claims. (Cl. 46—40.)



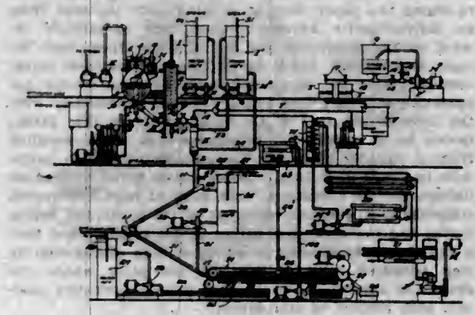
1. The combination with a structure mounted for rotation, a wind wheel carried thereby, and a vane, of a figure comprising pivotally connected members, one member of the figure being anchored to said structure, a cam actuated by the wind wheel, means operated intermittently by the cam for shifting the other members of the figure relative to said structure, and means connected to said structure and to one of the shiftable members of the figure for moving said shiftable members relative to each other during the movement of the figure relative to the structure.

1,628,332. SAFETY STOP DEVICE. JOHN REID, Oil City, Pa. Original application filed Feb. 20, 1924, Serial No. 694,146. Divided and this application filed Sept. 29, 1924. Serial No. 740,674. 2 Claims. (Cl. 137—140.)



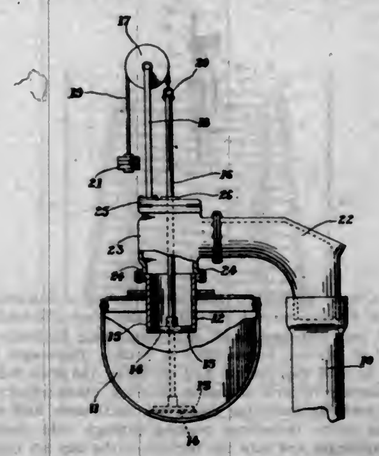
1. In combination, a governor, a valve control member, a releasable connection between said governor and valve control member, said governor being driven by a belt gearing, an idler pulley associated with said belt gearing, said idler pulley being displaceable when said belt gearing breaks and means operatable by the displacement of said idler pulley for disengaging said releasable connection between said governor and valve control member.

1,628,333. APPARATUS FOR AND ART OF MANUFACTURE AND FILLING OF CAPSULES. JACOB SCHAUB, Lawrenceburg, Ind., assignor to The Theroz Company, New York, N. Y., a Corporation of New York. Filed Jan. 9, 1924. Serial No. 685,209. 54 Claims. (Cl. 18—4.)



5. The art of manufacturing and filling capsules including forming the tube, cooling a liquid filler, forcing said liquid filler into the tube, and severing the tube into capsules.

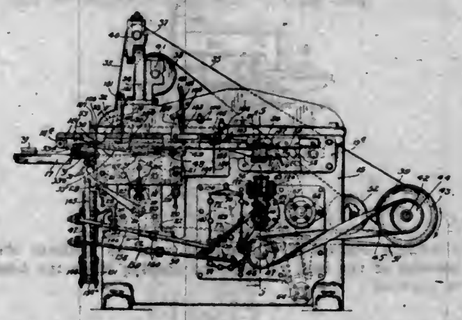
1,628,334. DIP-PIPE CONSTRUCTION FOR THE HYDRAULIC MAINS OF GAS PLANTS. WILLIAM SEYMOUR, Sault Ste. Marie, Ontario, Canada. Filed Sept. 19, 1925. Serial No. 57,374. 1 Claim. (Cl. 48—172.)



In combination with a collecting main of a gas plant, a standpipe, a bridge pipe, an elongated dip pipe extending into the collecting main, a valve seat formed in the inner end of said dip pipe, a valve formed with an elongated stem adapted to engage with said seat to close the dip pipe, said valve when in open position being adapted to drop to the bottom of the collecting main, a connecting pipe for connecting the bridge pipe and the dip pipe, said connecting pipe being adapted to receive the elongated stem of the valve, and means for raising and lowering the valve.

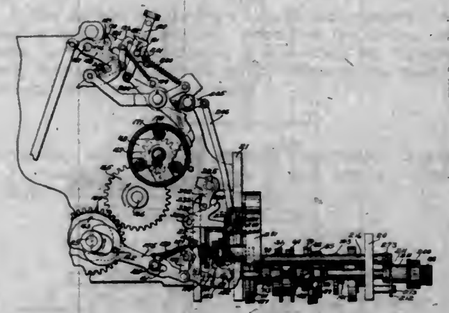
1,628,335. FLOORING-END MATCHER. WILLIS S. SHERMAN, Minneapolis, Minn. Filed May 12, 1921. Serial No. 468,820. 36 Claims. (Cl. 144—91.)

1. In a machine of the character described, the combination with a cut-off saw and a cutter, of a feed throat for delivering strips to said saw and from thence to said cutter, an oscillatory power-driven arm, and a pair of rake-acting feed bars pivoted to said arm for independent vertical movements, said feed bars having primary and



secondary driving shoulders, the former serving to feed the strips to and past the saw and the latter serving to feed the strips to and past said cutter.

1,628,336. CASH REGISTER. BERNIS M. SHIPLEY, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed May 7, 1923. Serial No. 637,216. 39 Claims. (Cl. 235—3.)



2. In a machine of the class described, the combination of check issuing mechanism, driving means therefor, disconnecting means for said driving means, and means adapted to be controlled by an inserted slip for rendering the disconnecting means effective.

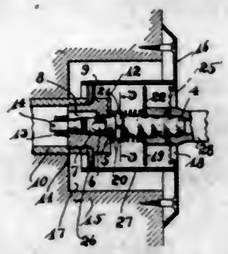
8. In a machine of the class described, the combination of severing mechanism, driving means therefor, disconnecting means for said driving means, and means adapted to be controlled by an inserted slip for rendering said driving means ineffective.

11. In a machine of the class described, the combination of type wheels, a hammer cooperating therewith, a plurality of banks of control keys, a plurality of cams adapted to be differentially set by said banks of keys, and means controlled by said cams for preventing operation of said hammer when certain keys are depressed.

1,628,337. GAS CONTROL. DAVID H. SHOGRAN, San Diego, Calif. Filed Aug. 17, 1926. Serial No. 129,764. 4 Claims. (Cl. 251—9.)

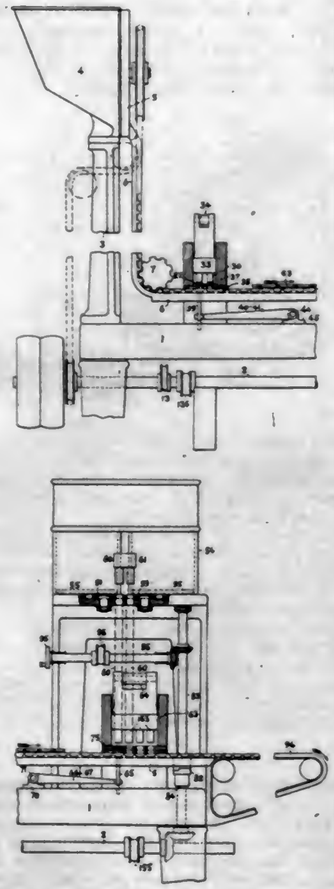
1. A gas-control comprising, in combination with a gas supply pipe embedded in a wall with the end of the pipe terminating within a recess of the wall, a gas-cock with connecting nipple longitudinally disposed in the end of said pipe and so as to protrude from said recess, a cover-plate disposed over said recess and having an opening through which a gas hose may be applied over said nipple,

and an indicating plate of a size to close said opening from the rear of the cover-plate and operatively and



yieldingly connected to the said cock to indicate the position of the cock through the opening when the hose is removed.

1,628,338. MACHINE FOR MANUFACTURING BOTTLE CAPS. HENRY ARNOLD SKOV, Copenhagen, Denmark, assignor to Dansk Pressefabrik A/S, Copenhagen, Denmark. Filed Nov. 5, 1925. Serial No. 67,093. 9 Claims. (Cl. 113—80.)



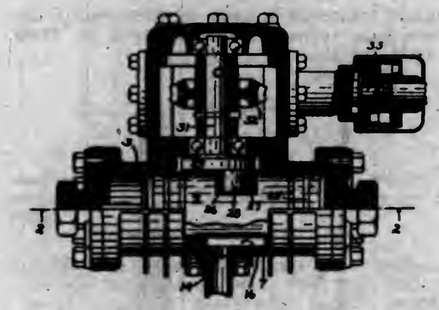
1. A machine for manufacturing bottle caps in the form of a metal cap with paper and cork discs fitted therein, comprising in combination, a feeding device constructed to feed the caps to the machine and intermittently advance them step by step in the longitudinal extension of the machine in two rows side by side, a paper disc fitting device disposed transversely across the path of the advancing rows of caps, means for operating said disc fitting device synchronously with the step by step feed of the caps, said disc fitting device being constructed to stamp the paper discs to be fitted into the caps from an intermittently advanced paper tape operatively related to the apparatus and to introduce them into the caps, a cork disc fiting device likewise disposed transversely across the advancing rows of caps, means for operating said cork disc fitting device synchronously with the intermittent feed of the caps, said cork disc fitting device being constructed to receive cork discs, supplied from a suitable container and simultaneously to introduce two cork discs into caps previously fitted with paper linings, devices common to both rows of caps constructed temporarily to suspend operation of the paper disc fitting device and the cork disc fitting device in the event that a cap should be missing in either or both of the step by step advanced rows of caps, in the place where one should be and which is about to assume operative position with respect to said device.

1,628,339. AUTOMATIC CUT-OUT. CHARLES M. STARR, South Bend, Ind. Filed July 11, 1925. Serial No. 42,969. 1 Claim. (Cl. 200—83.)

As a new article of manufacture, an automatically operable electric circuit cut-out of the class described, a flanged cup, the bottom of said cup being centrally depressed to provide a concavity, a flexible diaphragm connected to said cup bottom and spanning the open side of the concavity to form a suction chamber, diametrically opposite contacts including relatively stationary and rigid coacting parts, fastenings passing through said contacts and diaphragm and into the bottom of the cup for mounting said contacts on said cap, a connection between the intermediate portion of one of the contacts and the central portion of the diaphragm, a suction tube connected with the depression and communicating with said suction chamber, and a cover adapted to fit upon said cup to enclose said contacts, said cover being provided with diametrically opposite bayonet slots cooperable with the contacts and with said suction tube for maintaining the cover in place.

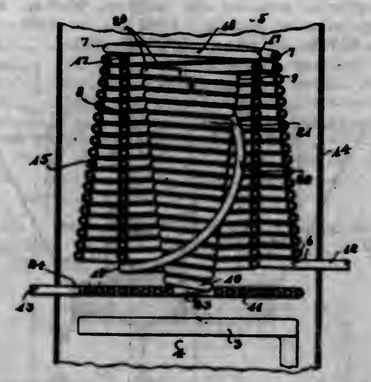
1,628,340. PUMP. WILLIAM H. THOMPSON, Berkeley, Calif. Filed June 17, 1924. Serial No. 720,481. 3 Claims. (Cl. 230—27.)

1. A fluid pump comprising a cylinder having closed ends, bearings provided in said ends, an inlet port arranged in a side thereof intermediate said ends, and outlet ports arranged adjacent said ends; a piston having a cavity therein arranged to communicate with said inlet port and having outlets arranged in opposite ends thereof; a valve stem slidably mounted in said bearings; and oppositely disposed valves fixed on said stem and arranged



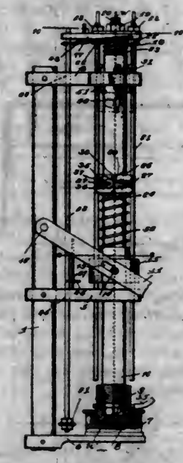
to alternately engage said piston cavity outlets, said valves and stem being arranged to be reciprocated with said piston.

1,628,341. WATER HEATER. WILLIAM J. TOWLES, EUGENE L. TOWLES, and GEORGE M. TOWLES, Los Angeles, Calif. Filed Dec. 22, 1924. Serial No. 757,425. 2 Claims. (Cl. 122—250.)



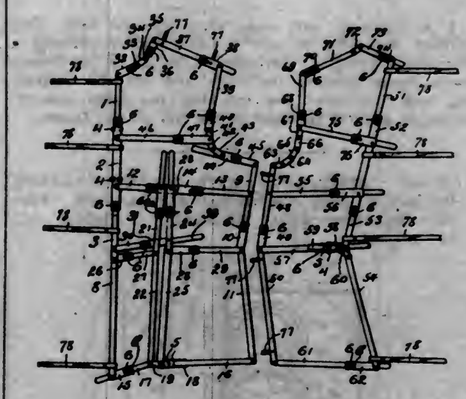
1. In a water heater, a conical water coil disposed with its wider winding at the bottom and with the narrower winding at the top and provided with a cool water supply connection, a second coil with windings in a cylindrical form having communication with the first coil, a third coil of conical form with the wider winding disposed at the top and the narrower winding at the bottom having communication with the second-named coil, the cylindrical coil being disposed between the two conical coils so as to form two comparatively equal passages on both sides of the cylindrical coil wider at the bottom and narrower at the top so as to assure an even heating of the central cylindrical coil, and a flat coil disposed transversely below the other three coils having communication with the last-named coil and forming the water outlet of this coil system.

1,628,342. METHOD OF AND MECHANISM FOR PERFORATING PLASTIC MATERIAL. ANDREW H. TYSON, Washington, D. C. Filed Aug. 15, 1922. Serial No. 582,000. 26 Claims. (Cl. 49—35.)



1. The method of piercing a hole through material, including molding the material, supporting the molten material by a mold, and forcing a perforating pin forward from its concealed position entirely through the molten material while held in said mold.

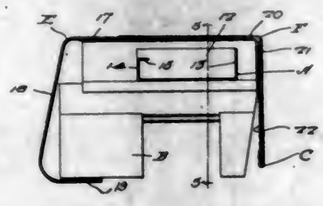
1,628,343. ADJUSTABLE WAIST PATTERN. JAMES J. WALSH, Kansas City, Mo. Filed July 11, 1925. Serial No. 43,048. 3 Claims. (Cl. 33—15.)



1. In a dress or coat pattern, a waist pattern comprising two side ribs each having an upper portion and a lower portion pivoted to said upper portion, first and second ribs intermediate of said side ribs each having an upper portion and a lower portion pivoted thereto, an extensible bust rib fastened to the upper portions of said side ribs and upper portions of said intermediate ribs, an extensible bust rib fastened to the lower portions of said side ribs and to the lower portions of said intermediate ribs, two extensible waist ribs respectively fastened to said side ribs and to

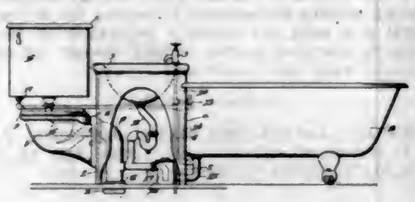
said intermediate ribs, and an extensible auxiliary spacing rib fastened to the upper portion of one of said side ribs, and fastened to the upper portion of the second intermediate rib and adjustable independently of said first rib.

1,628,344. RADIATOR ATTACHMENT. PATRICK J. WALSH, Morris, Ill. Filed Oct. 3, 1925. Serial No. 60,364. 1 Claim. (Cl. 237—78.)



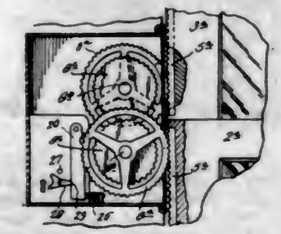
An air humidifying attachment including, in combination, a pair of supporting brackets, a pan resting on the supporting brackets for holding a quantity of water and a shield disposed over the pan and extended under the brackets for holding the pan on the brackets against accidental misplacement.

1,628,345. BATHROOM UNIT. ARTHUR K. WHITE, Zarephath, N. J. Filed Apr. 10, 1926. Serial No. 101,105. 8 Claims. (Cl. 4—2.)



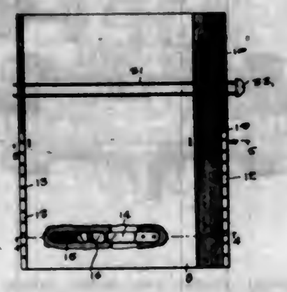
1. A plumbing unit comprising separate bath room fixtures connected to one another, and comprising a stationary toilet, a stationary tub and a stationary basin frame between the toilet and tub and supporting both the toilet and tub, and the toilet counterbalancing part of the load of the tub on the frame.

1,628,346. SASH LOCK AND COUNTERBALANCE. WILLIAM WALTER WHITE, Los Angeles, Calif. Filed Mar. 13, 1926. Serial No. 94,476. 3 Claims. (Cl. 16—201.)



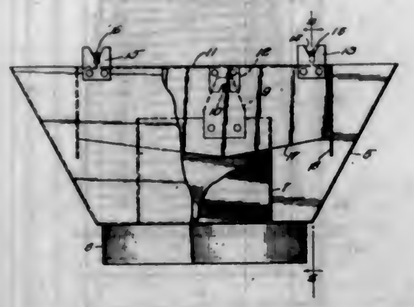
3. The combination of a sash frame, slidable sashes in said frame and movable in parallel planes and equipped with racks, gears mounted in one of the stiles of the frame and meshed with the racks of the sashes and connected together whereby they are caused to turn in concert, a casing containing said gears and having a keyhole, and means controllable by a key introduced through the keyhole of the casing and arranged to cooperate with the teeth of one of the gears for the positive locking of the gears.

1,628,347. WRITER'S GUIDE. GEORGE YENOFKIAN, Lawrence, Mass. Filed Oct. 9, 1925. Serial No. 61,604. 4 Claims. (Cl. 35—8.)



1. An apparatus of the character described comprising a frame, means carried by the frame whereby the frame may be laterally extended, a cover sheet movably mounted on the frame, and a guide member comprising a pair of parallel rods mounted in suitable notches formed on the sides of the frame.

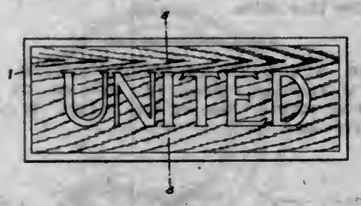
1,628,348. SEAL. HAROLD V. ATWELL, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Oct. 16, 1925. Serial No. 62,788. 3 Claims. (Cl. 137—53.)



1. A seal comprising an open conduit member communicating with a vapor space, a pan surrounding said conduit member and adapted to contain a liquid, an inverted cup over said conduit member and having its sides immersed in the liquid in the pan, said cup being pivotally supported at one side of its center of pressure, and interchangeable members of varying predetermined weights adapted to loosely rest in removable contact with said pan and cup and supported by the walls of the cup or the pan according to the relative changes in position of the cup in the pan.

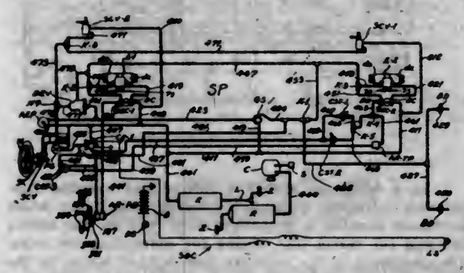
1,628,349. SIGN. FREDRICK H. AULD, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 7, 1925. Serial No. 73,714. 9 Claims. (Cl. 40—135.)

9. In the herein described sign, a metal base having a depression in one face thereof, individual blocks fitted in such depression and having raised indicia; individual spacing strips between the indicia blocks to properly position them; filler strips in parts of the depression not occupied by said bolcks, and a veneer of



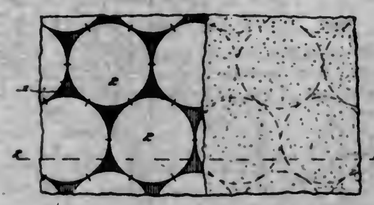
wood seated in the depression at places adjacent the indicia and over the spacing strips and over the filler strips.

1,628,350. AUTOMOTIVE VEHICLE. RUFUS W. BAILEY, Kansas City, Mo. Filed Apr. 16, 1926, Serial No. 102,392. Renewed Apr. 9, 1927. 33 Claims. (Cl. 303—6.1.)



1. In a vehicle control pneumatic means for setting the brakes and for opening a closure, manually operable valve elements for controlling said means, the one of which controls the closure, being automatically returnable to a door closing position, and means operable from the brake setting means adapted to prevent automatic return of the closure control until the brakes are off.

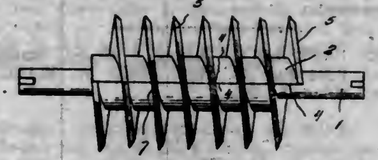
1,628,351. WALL. EMILE BERLINER, Washington, D. C. Filed Mar. 24, 1926. Serial No. 97,012. 6 Claims. (Cl. 72—17.)



6. A wall structure formed adjacent its surface with a plurality of hollow cells covered with a resonant cementitious material.

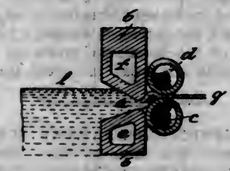
1,628,352. STONE-DRESSING TOOL. ETTORE BONASSI, Montpelier, Vt. Filed Feb. 18, 1925. Serial No. 10,039. 1 Claim. (Cl. 125—3.)

A tool comprising a shaft, a plurality of spaced spiral disks about the shaft, each disk having a central opening and a slot extending from said opening to its periphery, and the ends of the disk at opposite sides of the slot being spaced from and disposed at opposite sides of the plane of the major portion of the



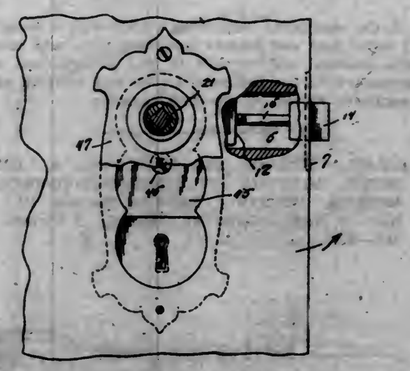
disk, spiral washers arranged about the shaft and between the disks, and means holding the disks and washers to the shaft.

1,628,353. PROCESS AND APPARATUS FOR MAKING SHEET GLASS. LOUIS BOUDIN, St. Gobain, France, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Sant-Gobain, Chauny & Cirey, Paris, France. Filed Apr. 27, 1926, Serial No. 105,039, and in France Oct. 9, 1924. 16 Claims. (Cl. 49—33.)



1. The hereinbefore described process of feeding molten glass through a submerged issue opening of a glass container to a forming pass which comprises causing the glass to issue in a substantially horizontal direction in a highly heated condition through the issue opening under the head pressure of glass above the opening, and moving the glass issued from the opening to the forming pass at a rate which permits the creation under the head pressure of a meniscus on the glass outside of the opening.

1,628,354. COMBINED LOCK AND LATCH. GEORGE CAWTHRON, Redwood City, Calif. Filed Mar. 9, 1926. Serial No. 93,481. 1 Claim. (Cl. 70—29.)



In a combined lock and latch of the class described, a casing, a latch bolt mounted in the casing, means for normally urging the latch bolt outwardly of the casing, a knob controlled spindle arranged within the casing, means carried by the spindle co-operating with the inner end of the latch bolt for retracting the same, and means for automatically returning the spindle to its normal position, said means comprising a pair of spaced members

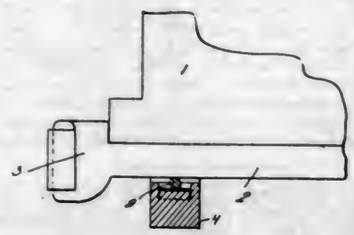
mounted on the spindles, a spring coiled about the spindle and confined between the spaced members, a pin projecting laterally from the casing, the free ends of the spring extending on opposite sides of the pin in engagement therewith.

1,628,355. NUT LOCK. ROGER I. CLAPP, Shanghai, China. Filed July 13, 1925. Serial No. 43,113. 1 Claim. (Cl. 151—15.)



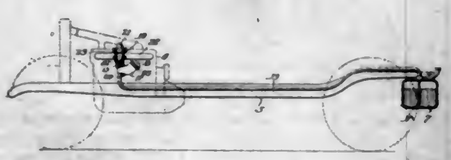
In combination with a threaded bolt and nut of a locking plate, the plate having an opening of a diameter corresponding to the diameter of the bolt at the basis of the threads and beveled as to its margin on both sides of the plate to enter the thread groove, the bevel on the two sides increasing in width about the circumference of the opening in opposite directions of rotation, the opening having a point of increased diameter to allow the bevel to cross the thread, the increased diameter being produced by the meeting of the maximum bevels on the opposite sides, and the plate lying flat in locked position.

1,628,356. ANTIFRICTION DRAWBAR SUPPORT. EDWARD E. DUFFY, San Antonio, Tex. Filed Dec. 10, 1925. Serial No. 74,533. 4 Claims. (Cl. 213—61.)



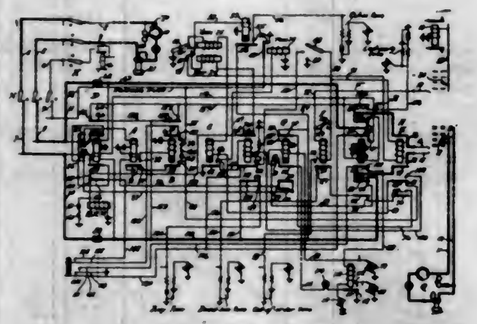
4. Car equipment comprising a body with a chamber in its upper side and pockets depending from said chamber, rolls disposed and movable in said pockets, and a roll superposed on the first-named rolls and movable on and lengthwise thereof in the said chamber.

1,628,357. METHOD OF SUPPLYING A COMBUSTIBLE MIXTURE TO INTERNAL-COMBUSTION MOTORS. WILLIAM A. EDWARDS, Bartlett, Ill. Filed Nov. 13, 1920. Serial No. 423,987. 7 Claims. (Cl. 261—72.)



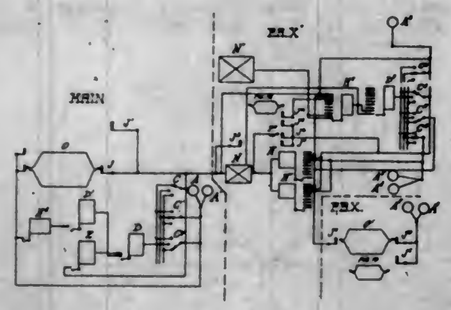
1. A method of supplying an internal combustion engine with fuel which consists in producing at a point remote from the engine a mixture of air and fuel, conducting said mixture unmodified to said engine when idling, and automatically modifying said mixture by introducing auxiliary air thereto at a point adjacent the engine in proportion to the speed thereof during the operations other than idling.

1,628,358. AUTOMATIC TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Chicago, Ill. Filed Oct. 27, 1920, Serial No. 420,016. Renewed June 7, 1926. 71 Claims. (Cl. 179—18.)



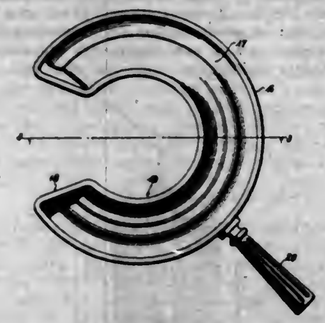
1. In a telephone system a calling and a called line, switches including a connector having coordinate wiper movement forming a temporary train between the calling line and the called line, means for controlling the selective movement of the switches, and further means in the connector for automatically transitorily projecting a tone audible along the calling line consequent to and following the first selecting movement of the connector.

1,628,359. AUTOMATIC TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Portland, Oreg. Filed May 3, 1921. Serial No. 466,433. 137 Claims. (Cl. 179—27.)



1. In a telephone system, a trunk line extending from a first to a second exchange and terminating at said second exchange in a pair of independently operable automatic connecting switches, a plug companionably associated with said trunk line at said second exchange, called lines in said second exchange, a group of said called lines accessible to said pair of automatic switches, the remainder of said called lines being accessible to said plug through the medium of jacks.

1,628,360. COOKING UTENSIL. THEODORE GEFFAS, Ogden, Utah. Filed Jan. 6, 1927. Serial No. 159,363. 5 Claims. (Cl. 53—10.)



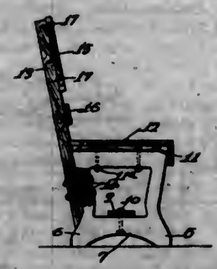
1. In an article of the character described, a body portion open at one side and provided with a central bore, whereby said body may be placed around and removed from the support of a cooking appliance, there being a trough-like recess extending around said body portion into which drippings from said cooking appliance will fall.

1,628,361. ELASTIC WEBBING. HAROLD ST. J. GUILD, Jamaica Plain, Mass. Filed Nov. 25, 1925. Serial No. 71,354. 4 Claims. (Cl. 139—428.)



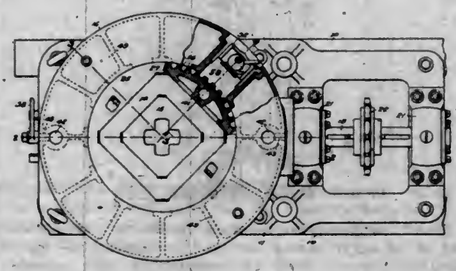
1. That improvement in the process of weaving elastic webbing which consists in arranging warp threads and strands of rubber to form two sheds, one above the other, with the strands of rubber forming the top of the lower shed and the bottom of the upper shed, inserting two filling threads in said sheds simultaneously at each pick with one thread in each shed, manipulating warp threads between picks to interlock them with said filling threads and thereby weave a fabric, and moving an additional strand of rubber up or down across both sheds at one end of said sheds between successive picks to cause both filling threads to be wrapped around it at the end of each pick, two adjacent filling threads being passed over and the next two adjacent filling threads passed under said strand of rubber, thereby producing a tubular selvage enclosing said additional strand of rubber.

1,628,362. COMBINATION CONCRETE AND WOODEN BENCH. LEO G. HAASE, Pasadena, Calif. Filed Apr. 24, 1924. Serial No. 708,662. 5 Claims. (Cl. 155—196.)



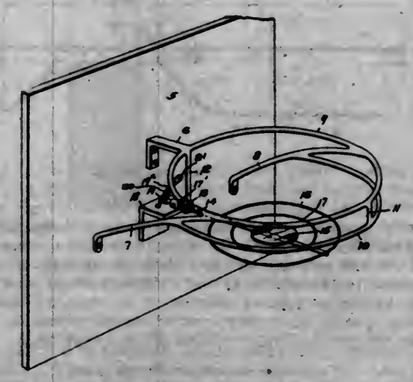
1. A bench comprising two concrete members each forming front and back legs for the bench, which are connected by integral top and bottom members, a seat secured to said top members, the back legs presenting surfaces which are upwardly and backwardly inclined below the seat, straight uprights having their sides adjacent the lower ends bearing against said surfaces from the seat downwardly to substantially their lower ends and rigidly secured thereagainst, and back members secured to said uprights forming an upwardly and backwardly inclined back for the bench.

1,628,363. ROTARY-DRILLING MACHINE. HU M. HARRIS and OLIVER H. ATTRIDGE, Chattanooga, Tenn., assignors to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed Apr. 20, 1925. Serial No. 24,470. 18 Claims. (Cl. 225—23.)



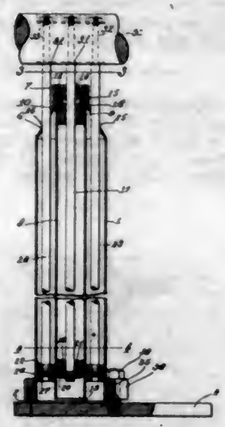
1. In a rotary drilling machine, the combination of a base, a concentrically arranged inner table having upper and lower sections and outer ring supported by said base, said inner table having a central bore, and work gripping means in said central bore, an integrally formed portion of the lower section of said inner table projecting radially outward to form a ledge on which the ring is supported and a portion of the upper section of said inner table projecting radially outward to overlie said ring with the top surfaces of said table and ring lying in the same plane.

1,628,364. GOAL AND GOAL INDICATOR. EVAN WOODARD HIETT, Houston, Mo. Filed Mar. 27, 1925. Serial No. 18,738. 2 Claims. (Cl. 116—114.)



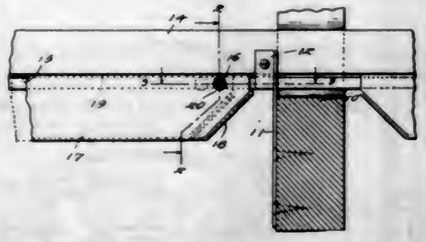
1. The combination with a support of a horizontally disposed ring constituting a goal for the passage of a ball, a horizontally disposed lever located beneath said ring and pivoted intermediate its ends, a reflecting disc constituting a visual signal secured to the outer portion of said lever and lying, substantially, centrally beneath the ring.

1,628,365. TIRE PUMP. WALTER M. INGRAM, Baltimore, Md., assignor to The Reliance Pump and Machine Company, Baltimore, Md., a Corporation of Maryland. Filed Dec. 4, 1922. Serial No. 604,713. 2 Claims. (Cl. 230—27.)



1. An air pump for inflating pneumatic tires consisting of an outer casing having a portion at the top of smaller diameter than the cylinder, a high pressure cylinder secured to said portion and extending down into the outer casing, a transfer port near the bottom of the high pressure cylinder, the space between the inner cylinder and the outer casing forming a low pressure cylinder, an annular piston having flexible packing edges extending downward along both walls of the low pressure cylinder, a piston in the high pressure cylinder having flexible packing with oppositely disposed edges, parallel piston rods connected to a single handle, a delivery opening near the top of the high pressure cylinder and an intake opening near the top of the low pressure cylinder.

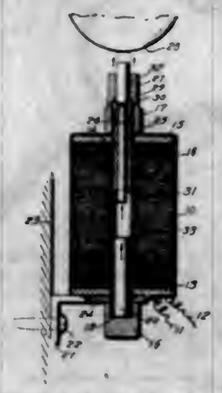
1,628,366. POULTRY PERCH. FRANK J. KUMMETH, Heron Lake, Minn. Filed Dec. 8, 1926. Serial No. 153,347. 3 Claims. (Cl. 119—25.)



1. A poultry perch comprising a perch pole having longitudinal grooves in its sides, a receptacle disposed beneath the pole and having slidable engagement in said grooves, the receptacle having a filling opening, and the pole having an opening adapted to be registered by the filling opening upon movement of the receptacle on the pole, whereby to permit refilling of the receptacle.

1,628,367. BELL. ALLAN F. LAKE, Oakland, Calif., assignor to Lake Mfg. Co., San Francisco, Calif., a Corporation of California. Filed Jan. 2, 1926. Serial No. 78,900. 1 Claim. (Cl. 177—7.)

An audible signal apparatus comprising a solenoid coil adapted to be included in an alternating current circuit, means for mounting said coil in a vertical position upon a support, a sound producing element, disposed above said coil, a sleeve of nonmagnetic material disposed through said coil and extending beyond the opposite ends thereof with its ends externally threaded, a magnetic bushing disposed in the upper end of said sleeve; a head on said bushing and extending laterally over the upper end of said sleeve for suspending said bushing within said sleeve; a member threaded over the



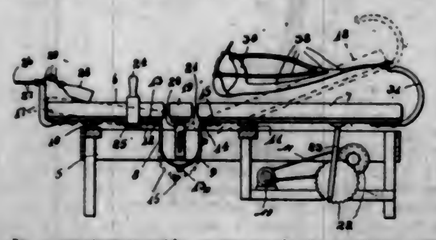
externally threaded upper end of said sleeve for clamping the head of said bushing against the end of said sleeve, a striker slidably disposed through said bushing; a magnetically controlled member disposed in said sleeve for projecting said striker into forcible contact against said sound producing element; and a closure member internally threaded to engage over the lower end of said sleeve and secure said coil to a support.

1,628,368. WATER SKI. THOMAS J. LEASE, Wayne Township, Marion County, Ind. Filed Feb. 27, 1925. Serial No. 12,155. 7 Claims. (Cl. 9—21.)



1. A water-ski including a runner shaped shell constituting an air-tight chamber provided with a filling-tube, the shell being smooth externally and having tapered opposite end portions, one end portion being curved upwardly, and means comprising a keeper and flexible devices connected centrally to the top of the shell to fasten a foot thereto.

1,628,369. TREATMENT TABLE. MATTHEW R. MCBURNEY, Los Angeles, Calif. Filed Sept. 8, 1924. Serial No. 736,570. 1 Claim. (Cl. 128—71.)



In a treatment table, a top made in sections certain of the sections being swingably mounted for swinging actions in a vertical plane in opposite directions yieldingly connected at adjoining edges in spaced relation, another top section having means for vertical adjustment to form a comparatively stationary part between the opposite swinging parts, supports spaced from the opposite ends of the whole table and from the said adjoining edges, operating means in operative connection with one of the first-named top sections by which the connected top may be tilted alternately with the near ends of the oppositely swinging sections moving simultaneously up and down past the said stationary part, and attaching means firmly mounted on the free swinging ends of the said sections for holding a patient to the swinging parts while partly resting on the said stationary part.

1,628,370. WATERPROOFING COMPOSITION AND METHOD OF MAKING THE SAME. ALFRED N. NELSEN, Long Beach, Calif. Filed Dec. 11, 1923. Serial No. 680,040. 3 Claims. (Cl. 134—11.)

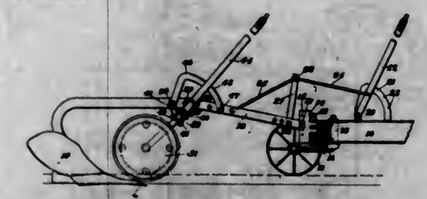
1. The water-proofing composition set forth containing linseed oil, litharge and sulphur in the proportions substantially of 1 gallon linseed oil, 1 pound of litharge, 1½ pounds of sulphur.

1,628,371. LAMINATED SPRING. JOHN HENRY STOTT, Glen May, England. Filed July 26, 1926, Serial No. 125,026, and in Great Britain Apr. 27, 1925. 5 Claims. (Cl. 267—47.)



1. A laminated spring comprising a main plate, a reinforcing plate spaced apart from the main plate for a portion of its length near the end of the reinforcing plate, and a spring tip associated with the end of the reinforcing plate, said tip being of greater resiliency than the reinforcing plate and constructed to provide a progressively increasing resistance to bending with uniform increases in load.

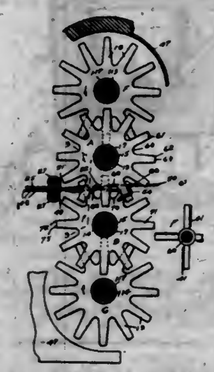
1,628,372. COMBINED GAUGE WHEEL AND COLTER. CARL G. STRANDLUND, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 19, 1921. Serial No. 462,619. 3 Claims. (Cl. 97—209.)



1. In a plow including a beam and a plow body carried thereby, the combination therewith of a crank axle rockably journaled on the beam and having a spindle at its free end, a combined gauge wheel and colter supported on said spindle, a lever secured on the axle and operative to rock said axle and swing the gauge wheel and colter upwardly and rearwardly of the point of the plow body in an arc eccentric to the vertical cutting edge of the plow boody.

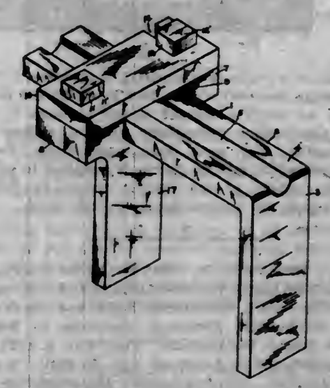
1,628,373. MACHINE AND PROCESS FOR SEPARATING THREADS FROM FABRIC. LEWIS IRVING THOMPSON, Portland, Oreg. Filed Apr. 28, 1926. Serial No. 105,109. 6 Claims. (Cl. 19—83.)

1. In a machine for separating threads from fabrics, the combination of feed rolls; with two series of loosely interlocking or overlapping star shaped plucking discs revoluble in opposite directions, the arms of each disc being rounded, and the line of first intersection of the arms being opposite the nip of the fed rolls; and two star



shaped clearer discs each closely interlocking or overlapping a plucking disc and filling the space between its adjoining arms and revoluble in the same direction with said plucking disc.

1,628,374. AUTOMOBILE APPARATUS. JOSEPH A. TONNA, Cincinnati, Ohio. Filed Aug. 21, 1925. Serial No. 51,600. 10 Claims. (Cl. 280—89.)

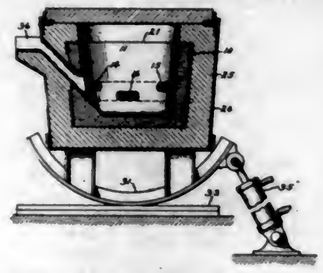


1. In a steering control, an L-shaped member having a groove in the outer side thereof, a T-shaped member having a groove therein adapted to receive the grooved leg of said L-shaped member, a plate adapted to extend over the groove in said T-shaped member and means for maintaining said plate in fixed position relative to said T-shaped member, substantially as and for the purposes specified.

1,628,375. APPARATUS FOR REFINING METALS. MAGNUS UNGER, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 31, 1925. Serial No. 78,667. 3 Claims. (Cl. 204—64.)

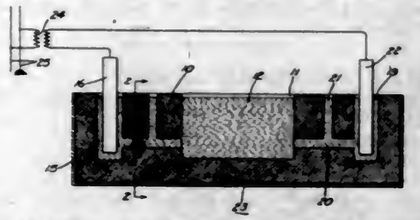
1. A crucible for molten metal comprising refractory material forming a reservoir for the charge and an annular channel in which a portion of the charge forms a closed secondary, said refractory material providing two openings spaced in a direction at right angles to the

axis of said channel connecting one end of said channel with said reservoir, and a single opening connecting the opposite end of said channel with said reservoir, and a



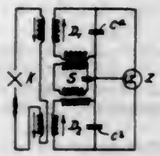
primary winding arranged to induce heating currents in said secondary and produce circulation of molten charge by electromagnetic repulsion.

1,628,376. ELECTRIC FURNACE. IRVING R. VALENTINE, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed Feb. 26, 1925. Serial No. 11,863. 4 Claims. (Cl. 204—64.)



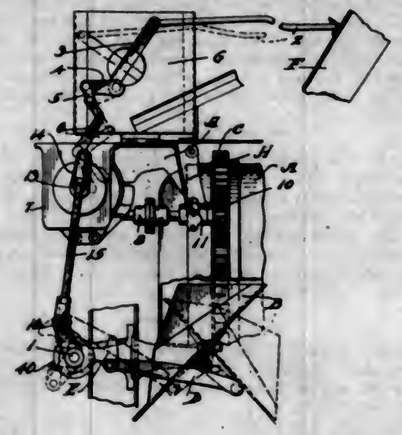
1. An electric furnace comprising a refractory crucible for the charge provided with a duct in which the charge is heated by an electric current passed through it, and a reservoir providing a hydrostatic head of molten charge communicating with said duct intermediate the ends thereof from which molten charge is supplied to said duct to prevent rupture of the electric circuit by the pinch force acting on the molten charge in said duct.

1,628,377. MEANS FOR CONTROLLING AMPLITUDE OF HIGH-FREQUENCY OSCILLATIONS. HANS VOGT, Berlin-Schoneberg, and JOSEF ENGL and JOSEPH MASSOLLE, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921, Serial No. 458,630, and in Germany Apr. 7, 1919. 9 Claims. (Cl. 179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



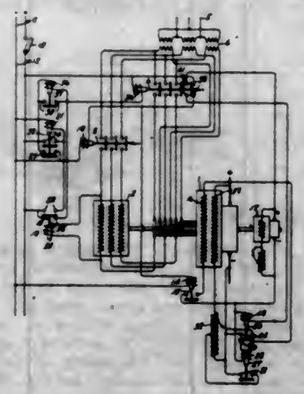
1. In electric-oscillation controlling devices, the combination of a tuned high-frequency oscillatory circuit, containing inductance and capacity constituting the tuning factors of said circuit, means for setting up high frequency oscillations in said circuit, a photoelectric cell and means for coupling said cell to said circuit by one of said tuning factors to vary the inductance-capacity product thereof and thereby somewhat untune the same in accordance with variations of light received by said cell.

1,628,378. AUTOMATIC DISCHARGE FOR CONCRETE MIXERS. GEORGE E. WEBB, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Jan. 30, 1925. Serial No. 5,827. 49 Claims. (Cl. 83—73.)



1. In combination, a power driven mixer, charging means for the mixer, discharging means for the mixer, power means driven by the mixer for actuating the discharge means, and timing mechanism controlled by the charging means and controlling the said power means.

1,628,379. AUTOMATIC CONTROL SYSTEM. FRANK P. WHITAKER, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed June 9, 1925. Serial No. 36,046, and in Great Britain June 14, 1924. 11 Claims. (Cl. 171—118.)

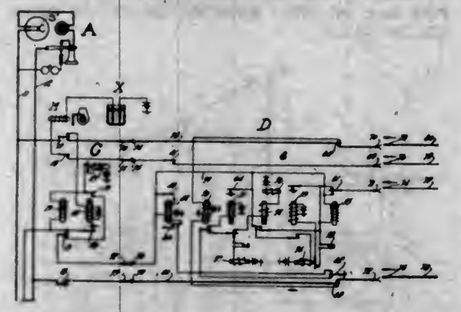


1. In combination, a supply circuit, a dynamo electric machine, a starting motor for said machine mechanically connected thereto, means for connecting said motor and machine in series across said supply circuit to start said machine, and means responsive to the voltage drop across said starting motor for effecting the connection of said machine directly to said supply circuit.

1,628,380. PROCESS FOR THE MANUFACTURE OF SODIUM AZIDE. FRANK WILCOXON, Ithaca, N. Y., and BENNETT GROTTA, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 27, 1924. Serial No. 746,247. 5 Claims. (Cl. 23—101.)

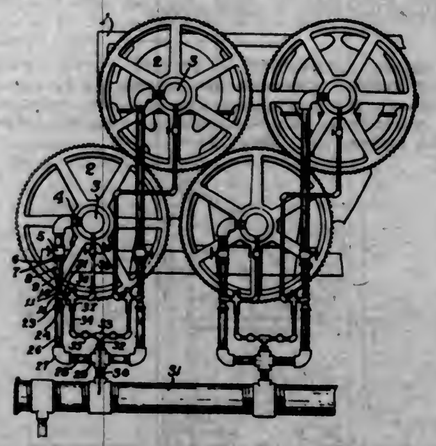
1. The herein described process of manufacture of sodium azide which consists of bringing together hydrazine hydrate, an alkyl nitrite and a sodium alcoholate solution.

1,628,381. MEASURED-SERVICE TELEPHONE SYSTEM. BERNARD D. WILLIS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 11, 1922, Serial No. 587,601. Renewed Oct. 7, 1926. 20 Claims. (Cl. 179—9.)



1. In a telephone system, a line, an ampere-hour meter for said line, trunk lines, automatic switches for extending the line over said trunk lines to called lines, and another switch operable simultaneously with a certain plurality of said automatic switches for preparing an operating circuit for said meter.

1,628,382. STEAM-CIRCULATING FITTING. JOHN OSBOURNE WOODSOME, New York, N. Y. Filed Jan. 16, 1925. Serial No. 2,868. 10 Claims. (Cl. 34—48.)



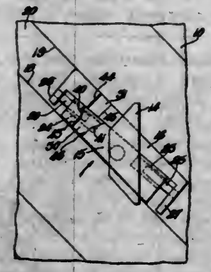
1. The combination with a paper making machine drying cylinder, of a steam supply pipe, a steam inlet pipe connecting the steam supply pipe with the interior of the said drying cylinder, and a Venturi type steam circulating fitting connected in said steam inlet pipe.

1,628,383. TELEPHONE RECEIVER. ARTHUR PRIMROSE YOUNG, Kenilworth, England, assignor to General Electric Company, a Corporation of New York. Filed Apr. 14, 1925, Serial No. 22,973, and in Great Britain Apr. 17, 1924. 5 Claims. (Cl. 179—117.)



1. A telephone receiver or like device comprising a flat bar permanent magnet and a pole piece embracing one end of said magnet and in contact with the end surface thereof.

1,628,384. CLAMPING DEVICE FOR PRINTING PLATES. SAMUEL W. MARVIN, Cambridge, Mass., assignor of one-third to William J. Marsh, Stow, Mass., and one-third to Charles G. Wells, Boston, Mass. Filed Dec. 9, 1926. Serial No. 153,559. 5 Claims. (Cl. 101—387.)



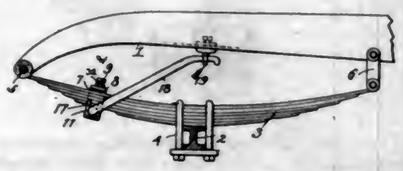
4. A clamping device of the character described, comprising wedge-shaped members of unequal length and connected together to be moved as a unit and to be moved individually with relation to each other, said wedge members having in their upper surfaces transverse co-operating slots for the reception of an operating tool, the slot in the shorter member being of greater width at its end adjacent the slot in the longer member to provide a space for the insertion of an operating tool into both slots when said members are in their locked position.

1,628,385. CASING OR MOLD BOX FOR CONCRETE BEAMS OR TIES. BRUNO BAUER, Vienna, Austria. Filed Aug. 21, 1925, Serial No. 51,558, and in Austria May 14, 1925. 5 Claims. (Cl. 25—131.5.)



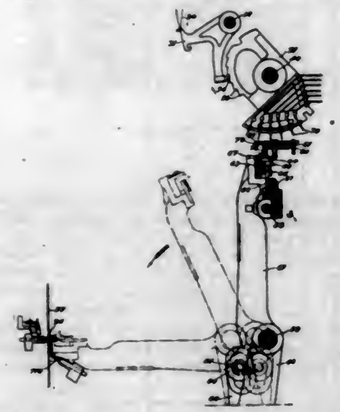
1. A casing or mold box for producing concrete beams or ties comprising in combination a U-shaped member with an enlarged base, and channel-shaped lateral extensions provided with an outwardly turned rim arranged on the said member near the top end of the latter.

1,628,386. SNUBBER ATTACHMENT FOR VEHICLE SPRINGS. WILLIAM BLACKMORE, Sharon, Pa., assignor of one-third to Elmer Bell, Sharon, Pa., and one-third to William C. Blackmore, Cleveland, Ohio. Filed July 7, 1926. Serial No. 120,956. 8 Claims. (Cl. 267—48.)



1. The combination with a spring formed of superposed leaves which have a relative endwise movement upon flexure of the spring, of a substantially U-shaped clip formed of resilient metal and having a base portion and a pair of spaced arms extending laterally from the base portion, said clip being adapted to be placed on the spring with the base extending across one side of the spring and the arms extending across the leaves at the top and bottom thereof, and means mounted on one of the arms for applying a clamping pressure to the superposed leaves of the spring.

1,628,387. THREAD-FEEDING DEVICE FOR TUFTED-FABRIC LOOMS. FERNAND BOYER, Paris, France. Filed May 19, 1925. Serial No. 31,274, and in Switzerland, May 22, 1924. 8 Claims. (Cl. 139—3.)



1. In an apparatus for tufted carpet looms for the preparation and supply of tufting material of different colors to one and the same tufting tool in manufactured colored tufted carpets the combination with movable guides in which are arranged endlessly supplied pile threads of different colors, of a Jacquard mechanism which controls the movable guides in any desired sequence of colors, a gripper member adapted to seize a pile thread and pull it out from its guide to the length required, a transfer device provided with take off members which take the pile thread from the gripper and supply it to a tufting tool of the apparatus, and a cutting device which severs the pile thread to the length required before it is supplied to the tufting tool.

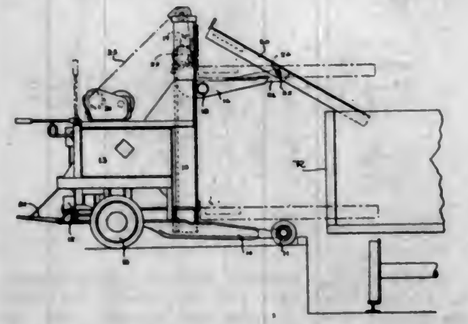
1,628,388. BRAKE SHOE. JOHN R. CAUTLEY, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 12, 1925. Serial No. 62,078. 21 Claims. (Cl. 188—250.)

19. A brake comprising, in combination, a shoe having a cylindrical outer part and a separate stiffening member having staggered sets of tongues along its outer edge secured to opposite sides of the inner face of said outer part and which member has a portion projecting beyond the end of the outer part, and another shoe



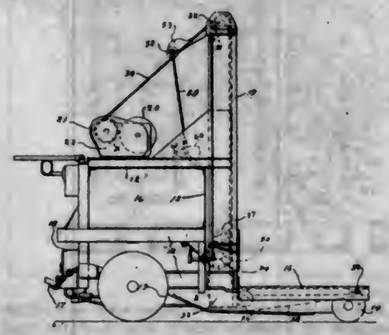
having stiffening means including spaced projecting arms straddling the end of the projecting portion of the stiffening member.

1,628,389. INDUSTRIAL TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 20, 1924. Serial No. 738,839. 12 Claims. (Cl. 214—121.)



1. In an industrial truck of the tier lift type, the combination of an upright frame, load elevating mechanism traversing the frame, a tiltable platform carried by said mechanism, a dump body on the platform, a latching device carried by said load elevating mechanism for preventing a tilting movement of the platform, means to release said latch to permit the platform and dump body to tilt, the dump body having a gate and a latch mechanism carried by the dump body for maintaining the gate in a closed position.

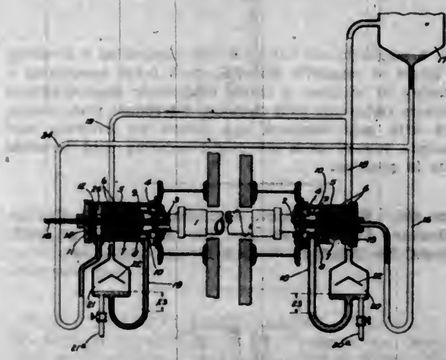
1,628,390. ELEVATING PLATFORM TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 20, 1924. Serial No. 738,840. 5 Claims. (Cl. 254—175.)



1. In an industrial truck, the combination of a load-elevating platform, a motor and mechanism driven thereby for lowering and elevating the platform, a battery,

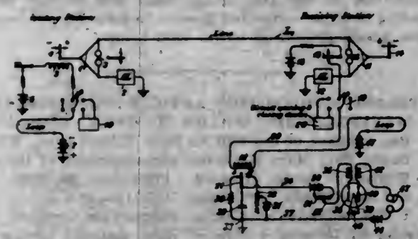
a circuit connecting the motor to the battery, an electrically operated brake for the motor, a solenoid connected in said circuit and operating the brake, a switch in said circuit adapted to be opened when a lowering movement of the platform is extraneously interfered with, whereupon the solenoid and motor are deenergized and the brake is caused to arrest movement of the motor, a second circuit connecting the motor and solenoid to the battery, and a manually operated switch controlling both of said circuits, whereby the motor and solenoid may be connected to the battery when the first named switch is open.

1,628,391. VAPOR GENERATOR. ROBERT HUGH COLLINGHAM, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed June 30, 1925, Serial No. 40,674, and in Great Britain July 2, 1924. 7 Claims. (Cl. 122—11.)



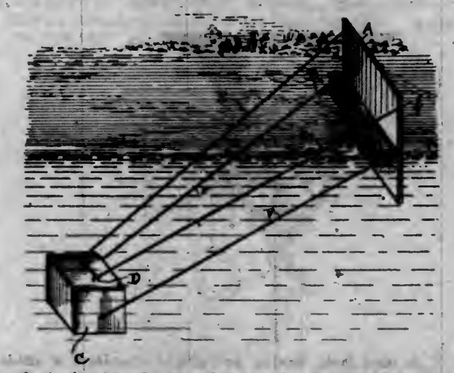
1. The combination with a vapor generator comprising a support and a tube rotatably mounted therein, of sealing means for an end of the tube comprising a casing, impeller means carried by the tube inside the casing, a liquid chamber located above the tube, said chamber being adapted to contain a supply of liquid, and conduits connecting the chamber at points above and below the level of the liquid in the chamber to the casing at opposite sides of said impeller means, the conduit connecting the casing with the chamber below the level of the liquid being in communication with the interior of the tube.

1,628,392. TELEGRAPH DISTORTION MEASURING SYSTEM. SAMUEL I. COBY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 30, 1925. Serial No. 65,859. 9 Claims. (Cl. 178—69.)



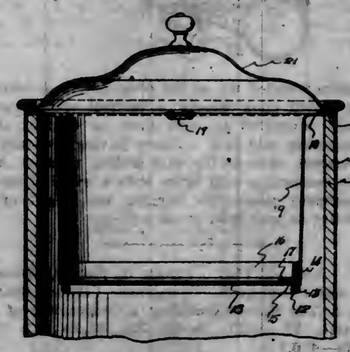
1. In a system for measuring total distortion of telegraph signaling impulses, the combination with a source of impulses to be measured of a relay responsive to the said impulses, a condenser connected with the said relay, a source of potential in series with a variable resistance the magnitude of which for any setting is known to charge the said condenser during the time in which the said relay remains operated by one of the said impulses, and a vacuum tube having its input side connected across the said condenser and its output side connected with an indicating device to measure the charge upon the said condenser.

1,628,393. AQUATIC SIGNBOARD. JOHN ECHOLS CRAMER, Carrollton, Ga. Filed Dec. 17, 1925. Serial No. 76,084. 2 Claims. (Cl. 40—125.)



1. A sign board adapted to receive inscriptions or pictures on its surface, a float attached to the sign board at its lower portion to maintain part of the sign board sufficiently high above the supporting water to render the inscriptions or pictures visible, an anchor and a rod hingedly connecting the top of the sign board with the anchor, the hinged portion extending horizontally across the top of the anchor so as to hold the sign board to a vertical movement, and a second connection between the bottom of the sign board and the anchor all arranged to maintain the sign board in upright position.

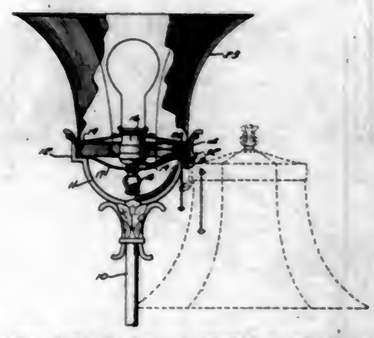
1,628,394. COFFEE RETAINER FOR URNS. BERESFORD B. DE MONTMORENCY, Detroit, Mich. Filed Aug. 1, 1925. Serial No. 47,438. 1 Claim. (Cl. 53—3.)



A coffee retainer of the class described adapted for use with coffee urns comprising: an imperforate sleeve forming member; supporting means on the upper end of said sleeve forming member adapted for engaging said urn and supporting said sleeve therein; an inwardly projecting flange on the lower end of said sleeve, said flange being curled to form an inwardly offset bead; a clamping ring having an inwardly directed flange at its lower end, said flange being adapted for resting on the upper surface of said beaded flange of said sleeve; a co-operating clamping ring adapted for positioning within said first mentioned clamping ring; an inwardly directed flange on said co-operating ring, said flange being of greater length

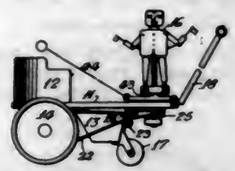
than the flange on said first mentioned clamping ring; and a porous member clamped between said rings and extending across the opening therein for forming a closure for the lower end of said sleeve.

1,628,395. FLOOR LAMP. LEROY C. DOANE, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed June 17, 1925. Serial No. 37,656. 10 Claims. (Cl. 240—81.)



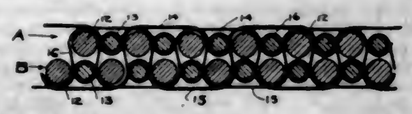
1. A floor lamp having an upright standard, a shade supporting and lamp carrying frame, and a horisontal pivotal connection between the stand and frame and placed to one side of the axis of the standard, the frame being movable through 180° to convert the lamp from a bridge lamp to a torchière.

1,628,396. FIGURE WHEELED TOY. HARRY W. DYER, New York, N. Y. Filed Dec. 18, 1925. Serial No. 76,307. 4 Claims. (Cl. 46—45.)



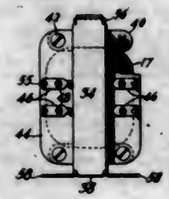
4. A figure wheeled toy of the class described including a body mounted upon wheels, a vertical stem having a cam rigidly supported by said body, a vertical sliding member engaging said cam, a figure having pivotally connected members operated by said sliding member, means operatively connecting said figure with a wheel of said toy and independent means for varying the height of said figure relative to said cam.

1,628,397. AIR FILTER. FRANK K. EWING, Worcester, Mass., and STANLEY R. CUMMINGS, Canton, Ohio, assignors to The Hoover Company, a Corporation of Ohio. Filed Oct. 12, 1925. Serial No. 61,960. 1 Claim. (Cl. 139—410.)



A multiple ply fabric for filters comprising loosely twisted yarns, each ply comprising alternately arranged relatively large and small loosely twisted yarns, each ply offset to place a large yarn of one ply under a small yarn of an adjacent ply, and warp yarns securing the loosely twisted yarns in place.

1,628,398. MAGNETIC COIL. WILLIAM L. CASPER, Brooklyn, N. Y., and FRANK E. FIELD, Somerville, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 6, 1922. Serial No. 566,421. 6 Claims. (Cl. 175—356.)



1. A magnetic coil having a core comprising a plurality of layers of magnetic material, each layer comprising a plurality of sections, a frame comprising channel-shaped members embracing said sections, a terminal plate associated with said members and means for drawing said members toward each other and securing said terminal plate in position.

1,628,399. RECEPTACLE FOR CONNECTING PLUGS. GUSTAVE FRANKEL, Chicago, Ill. Filed Sept. 22, 1921. Serial No. 502,554. 2 Claims. (Cl. 173—330.)



1. A plug receptacle comprising two like members made of insulating material, connecting means adapted to connect said members, each of said members having two longitudinal recesses extending throughout its length and a longitudinal bridge portion intermediate said longitudinal recesses, said longitudinal bridge portion having lateral projections extending into said longitudinal recesses, contact springs having longitudinal portions located in passages, each of which is formed by two of said longitudinal recesses when the said members are assembled, each said contact spring having a laterally bent portion thereof bent around and under the corresponding lateral projection of the said bridge, each said contact spring having a screw connected thereto underneath the respective lateral projection of the said bridge.

1,628,400. COMPOSITION ARTICLE AND METHOD OF MANUFACTURE. WILLIAM J. GAVEN, Wilkes-Barre, Pa., assignor of one-half to Mary Ellen Gaven, Wilkes-Barre, Pa.; Mary E. Gaven administratrix of the said William J. Gaven, deceased. Filed June 30, 1923. Serial No. 648,829. 7 Claims. (Cl. 18—48.5.)

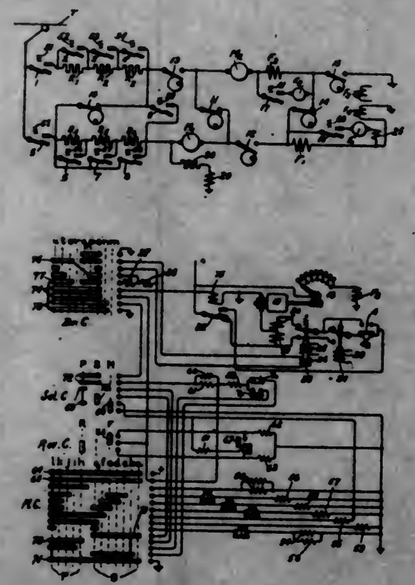
1. The method of making composition articles, consisting in forming a core of light material having the general contour of the object desired, by placing comminuted material within a mould, subjecting the material to heat and pressure to transform the material into a fixed form, then coating the core while in a moist and heated condition with a powder of resinous material, and again subjecting the core with its coating to the action of heat and pressure.

1,628,401. APPARATUS FOR CLEARING OIL WELLS OF PARAFFIN DEPOSITS. HENRY J. HARRE, Cleveland, Ohio. Filed July 15, 1922. Serial No. 575,313. 8 Claims. (Cl. 166—17.)



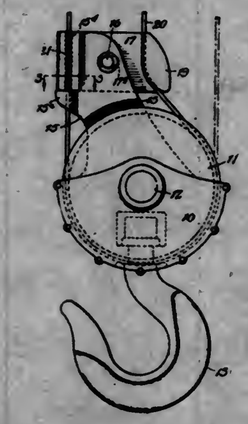
1. A cartridge for heating the bottom of oil wells, comprising a hydrate of an alkali metal and a container therefor formed of a metal with which the hydrate has an exothermic reaction.

1,628,402. MOTOR-CONTROL SYSTEM. WILLIAM S. H. HAMILTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 16, 1925. Serial No. 30,852. 18 Claims. (Cl. 172—179.)



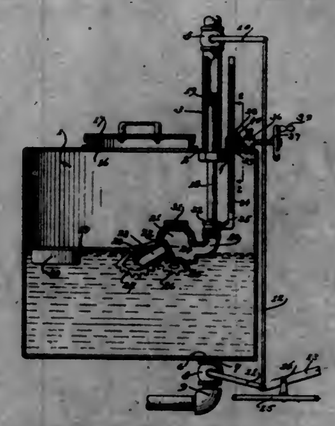
1. In a motor control system, the combination of an electric motor adapted to operate as a load driven generator, switch mechanism for connecting the motor to a source of supply for motoring operation and for regenerative operation, and automatic electroresponsive means connected to be energized responsively to the voltage of the motor and rendered operative upon establishment of the regenerative braking connections for controlling the motor to maintain the regenerated voltage thereof at a constant predetermined value independent of the supply voltage.

1,628,403. REDUCTION BLOCK. ELLSWORTH J. HANNA, Ottumwa, Iowa. Filed Jan. 14, 1922. Serial No. 529,162. 14 Claims. (Cl. 254—192.)



1. In combination a reduction block, a cable movable therethrough, and means associated with said blocks adapted to be contracted into engagement with said cable to lessen the reduction power of said block.

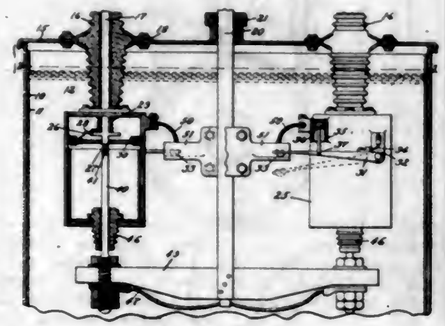
1,628,404. LIQUID-DISPENSING APPARATUS. ARNOLD H. HEUBMANN, Teutopolis, Ill. Filed May 18, 1923. Serial No. 639,320. 5 Claims. (Cl. 221—113.)



1. A liquid dispensing apparatus comprising a tank, an inlet pipe extending upwardly therefrom, a discharge pipe extending from the bottom of said tank, a valve in each

of said pipes, the valve in said inlet pipe being open when the valve in said discharge pipe is closed, a tube in said tank having its upper end slidably receivable in said inlet pipe, a float mechanism associated with said tube, and adapted to control the liquid supply through said inlet pipe and said tube, and means for manually raising and lowering said tube for adjusting said float mechanism to a predetermined height.

1,628,405. ELECTRIC SWITCH. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 23, 1922. Serial No. 570,394. 14 Claims. (Cl. 200—150.)



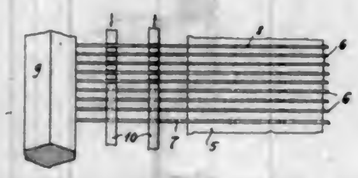
12. A switch comprising main current carrying contacts, secondary arcing contacts in shunt therewith, means comprising other contacts in shunt with the main contacts for preventing burning of said secondary contacts when said switch is being closed, and means for rendering said means inoperative when the switch is being opened.

1,628,406. SERVICE SWITCH AND APPURTENANT PROTECTIVE FITTING. BAYSON D. HORTON, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1919, Serial No. 285,269. Renewed Sept. 10, 1926. 41 Claims. (Cl. 247—2.)



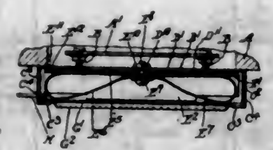
1. In a system of protective enclosures for electric service distributing systems, a plurality of enclosed basic switch units of the same or different size depending upon the current carrying capacities, said units being fitted with apertures of different sizes depending upon the size of the unit, a plurality of meters of the same or different configurations, a plurality of meter adapters, and means whereby any of the meter adapters can be connected to any one of said units in the said apertures, the said connection being readily detachable to facilitate interchangeability between the meter adapters and the basic units.

1,628,407. KNITTING MACHINE. JOSEPH IMBRIANI, Brooklyn, N. Y. Filed Apr. 3, 1925, Serial No. 20,320, and in Germany Mar. 10, 1925. 2 Claims. (Cl. 66—75.)



1. In combination with the reciprocating needles of a jacquard knitting machine, an actuating element for each needle in line therewith and abutting against one end thereof, and adapted to be operated by the jacquard roller of the machine, and a guide member for said actuating elements extending at right angles to the line of movement thereof and shiftable relative thereto to subject said elements to a restraining influence to prevent their casual or longitudinal shifting movement and thereby also prevent casual shifting movement of the needles from their operative positions.

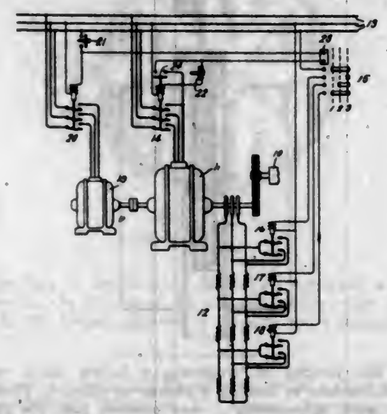
1,628,408. COIN-CONTROLLED CLOCK. ANDREW ALLAN JOHNSON, Chicago, Ill., assignor to Delos E. Ward, Chicago, Ill. Filed May 28, 1926. Serial No. 112,198. 26 Claims. (Cl. 194—54.)



1. In a coin controlled clock, a clock mechanism, a coin container associated therewith, and a closure for such container, a clock control means positioned to be enclosed to said container, locking means for said closure adapted to be released in response to coin insertion, and means for limting the movement of such closure, after such coin release, to a movement sufficient to expose the clock control means, and insufficient to permit the removal of coins from the container.

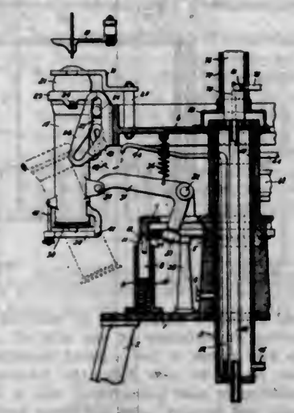
1,628,409. CONTROL SYSTEM FOR ELECTRIC MOTORS. CHARLES A. KELSEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 15, 1925. Serial No. 62,615. 3 Claims. (Cl. 172—179.)

1. In a control system for electric motors, a variable speed alternating current motor, adjustable speed regulating means therefor, a second alternating current motor mechanically connected to said first motor and having a lower synchronous speed than that of the first motor, controlling switch mechanism for said motors, and connections requiring operation of said switch mechanism to effect simultaneous energization of said motors with the said speed regulating means adjusted for a low speed of said first motor for starting at a definite low speed, subsequently requiring the continued energization of said first motor and the deenergization of said second motor for



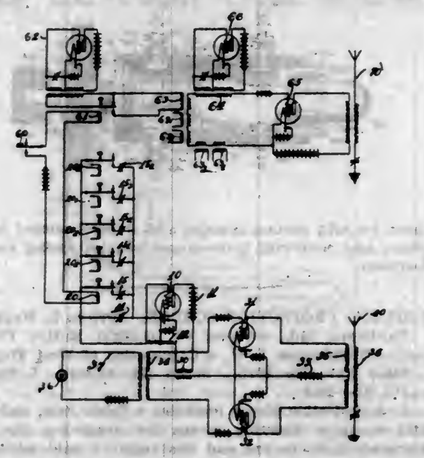
running at higher speeds, and then requiring the simultaneous energization of said motors with the said speed regulating means adjusted for a low speed of said first motor to reduce the speed of the motors to the said definite low speed.

1,628,410. EXHAUSTING MACHINE. WILLEM KONING, Eindhoven, Netherlands, assignor to General Electric Company, a Corporation of New York. Filed Feb. 12, 1924. Serial No. 692,393, and in the Netherlands Mar. 17, 1923. 6 Claims. (Cl. 49—2.)



1. In a machine of the character described, the combination with a movable frame, and a plurality of tubulating mechanisms mounted on said frame, each comprising tube holding jaws and a bulb holder movable relatively to each other, and a perforating burner movable into and out of operative relation to a bulb in said bulb holder, of welding burners mounted adjacent to path of said mechanisms to weld a tube in said tube holding jaws to a bulb in said bulb holder, and actuating means mounted adjacent the path of said mechanisms for actuating said bulb holder, said perforating burner, and said jaws of each mechanism in succession during the movement of said frame.

1,628,411. SYSTEM OF SECRET WIRELESS TELEPHONY. FREDERICK W. KRANZ, Geneva, Ill. Filed Feb. 1, 1923. Serial No. 616,361. 13 Claims. (Cl. 250—6.)



5. An apparatus for sending signals comprising an electrical oscillating circuit, a plurality of devices for altering the period of said circuit means associated with said devices for sending controlling waves of a plurality of characters, one character for each of said devices.

1,628,412. CHESS. ISADORE LAWRENCE LESAVOY, New York, N. Y. Filed Aug. 11, 1926. Serial No. 128,530. 10 Claims. (Cl. 275—137.)



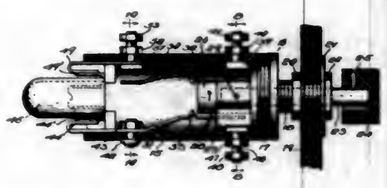
1. A chess-man carrying visibly thereon, when the chess-man is located at a particular square on the chess board, an indicium suggestive of a permissible movement of said chess-man on said board.

9. A chess-man shaped to suggest graphically its familiar prototype and also shaped to suggest a numerical figure.

1,628,413. SWITCH AND FUSE. ALFRED F. C. LOTZ, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 10, 1925. Serial No. 22,027. 5 Claims. (Cl. 200—114.)

1. In combination, an enclosing sleeve, contact springs mounted in said sleeve and each having a terminal open-

ing through the sleeve, terminal contacts mounted in said sleeve for contact with said springs, an operating ele-



ment for said contact springs, and a fuse mounted in the sleeve and connected between one contact spring and its terminal.

1,628,414. PROJECTION SCREEN. ARTHUR L. MACBETH, Baltimore, Md., assignor to Daylight Motion Picture Co., Washington, D. C., a Corporation of West Virginia. Filed Nov. 16, 1925. Serial No. 69,500. 5 Claims. (Cl. 88—24.)

3. A projection screen including a fabric base, and heat and moisture resisting means for rendering the base translucent, opelescent and weatherproof, said means including Canadian balsam, linseed oil, oil of sassafras and a filler.

1,628,415. ELECTRIC KEY SOCKET. CHARLES STANLEY MALLETT and WILLIAM J. ALDIS, Toronto, Ontario, Canada, assignors to General Electric Company, a Corporation of New York. Filed May 7, 1925. Serial No. 28,654. 6 Claims. (Cl. 173—346.)



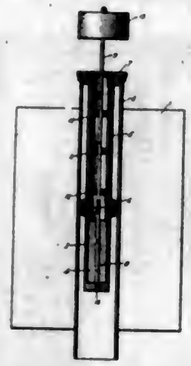
1. In a key socket, the combination with the porcelain body having a transverse orifice, of two stationary contacts mounted within the body to extend into opposite ends of the aforesaid orifice, a slidable contact located within the transverse orifice to bridge the stationary contacts, an operating key adapted to impart longitudinal movement to the said sliding contact alternately in opposite directions, and stop portions on said stationary contacts extending across the transverse orifice with which the sliding contact alternately engages to limit the length of its stroke in opposite directions.

1,628,416. MEANS FOR ATTACHING MOTION-PICTURE FILMS TO WINDING CORES. ANDRÉ NOËL MERLE, Paris, France, assignor to Pathé Cinéma Anciens Etablissements Pathé Frères, Paris, France. Filed Feb. 14, 1925, Serial No. 9,364, and in France Oct. 25, 1924. 2 Claims. (Cl. 242—74.)



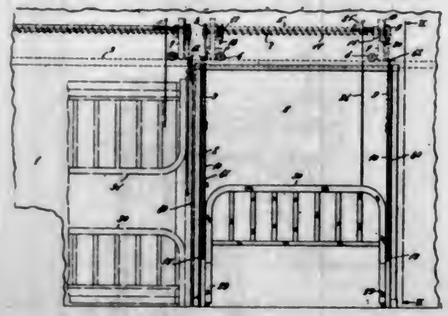
1. The method of attaching a motion picture film to a winding core which consists in making the end of the film which is adapted to be attached to said core narrower than the main part of the film, providing upon the periphery of the core a groove of the same width as said narrowed end of the film and winding said narrowed end of the film about said groove on the core.

1,628,417. METHOD OF MOLDING SILICA. LEVI B. MILLER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 24, 1925. Serial No. 71,245. 4 Claims. (Cl. 49—78.1.)



1. The method of producing a hollow silica article which consists in heating a charge of silica to plasticity in a mold, introducing a core member into the plastic charge, then cooling to cause said charge to slidify, in the mold with said member in place, the cooling occurring with sufficient rapidity after introduction of the core member to prevent adhesion of the charge and core member and finally removing the mold and core from the solidified charge.

1,628,418. MEANS FOR SUPPORTING AND CONCEALING FOLDING BEDS. HARRY L. MONROE and WILLIAM CRAMER, St. Louis, Mo. Filed Sept. 22, 1922. Serial No. 589,796. 18 Claims. (Cl. 5—170.)

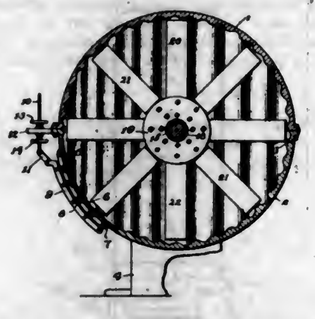


1. In a bed structure adapted to be received in a hollow wall having an entrance at one side of a passageway between two rooms, a bed support movable through said entrance so as to pass from the interior of said wall to a position in said passageway, and a folded bed carried by said bed support, said bed being movable with said support from an upright position in said wall to an upright position in said passaegway, and said bed being movable relative to said support from the last mentioned position to a horizontal position partly within said passageway and partly within said two rooms.

1,628,419. DISINTEGRATOR. GUST W. NELSON, Cloquet, Minn. Filed Aug. 4, 1926. Serial No. 127,036. 3 Claims. (Cl. 83—11.)

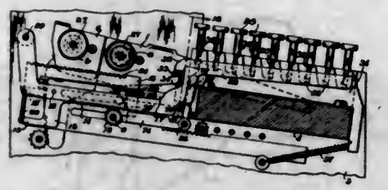
1. A disintegrator comprising a casing, including a peripheral wall in which is formed an outlet, and side walls in one of which is formed an inlet, a plurality of pivoted

slats closing the outlet and forming a continuation of the peripheral wall, means for pivotally adjusting the slats



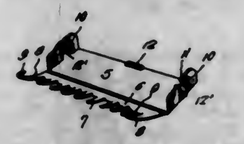
to produce a number of outlets of regulated size to determine the fineness of the material, and a rotary beater within the casing mounted in the side walls thereof.

1,628,420. COMBINED CASH REGISTER AND ADDING MACHINE. WILLIAM L. PADEN, Saginaw, Mich. Original application filed Oct. 6, 1923, Serial No. 666,981. Divided and this application filed Feb. 25, 1926. Serial No. 90,539. 27 Claims. (Cl. 235—130.)



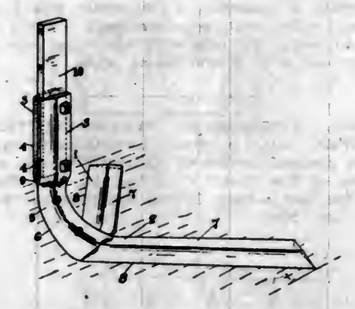
1. In a machine of the character described, a normally unlocked main operating device, a series of value keys, a series of special transaction keys and a series of clerks' keys, means upon the depression of a key in one of said two latter series of keys for locking said main operating device, means upon the depression of a key in the other of said latter series of keys for partly unlocking said main operating device, and means upon the depression of a value key for completely unlocking said main operating device.

1,628,421. ATTACHMENT FOR HAIR CLIPPERS. HECTOR F. PATENAUDE, Bisbee, Ariz. Filed Mar. 30, 1926. Serial No. 98,488. 2 Claims. (Cl. 30—1.)



1. An attachment of the class described including a substantially rectangular body of resilient material in the nature of a plate, having one longitudinal edge merging into a comb body from which project curved teeth, the end teeth terminating in overhanging hooked extensions, a lug integrally rising from the other longitudinal edge of the first body, ends rising from the transverse edges of the first body and having curved tongue portions.

1,628,422. WEED-CUTTING DEVICE. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 9, 1923. Serial No. 650,317. 4 Claims. (Cl. 97—207.)

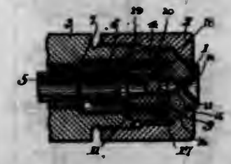


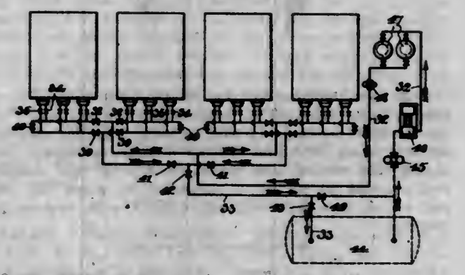
1. In a weed cutter of the type described, the combination with a support, of dual units having vertical and horizontal parts with forward cutting edges, said vertical parts secured together and to said support and presenting a single cutting edge extending downwardly and rearwardly from said support to the horizontal parts.

1,628,423. ART OF SWEETENING HYDROCARBON OILS. MAX G. PAULUS, Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed May 28, 1925. Serial No. 33,501. 2 Claims. (Cl. 196—33.)

1. The method of treating sour light hydrocarbon oils, which comprises passing still gases containing hydrogen sulfide in intimate contact therewith, thereby effecting the solution of hydrogen sulfide in said oil, and subsequently subjecting the oil to the action of doctor solution.

1,628,424. APPARATUS AND METHOD FOR BURNING LIQUID FUEL. ERNEST H. PEABODY, Pelham Manor, N. Y., assignor to Peabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed June 7, 1922. Serial No. 566,569. 10 Claims. (Cl. 158—77.)



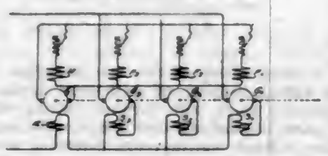


1. A method for controlling the combustion of liquid fuel which comprises delivering the fuel to a plurality of points of atomization arranged in groups, imparting

a whirling motion to said fuel prior to atomization, returning a portion of said fuel after imparting the whirling motion thereto, and regulating the return of fuel from all of said points collectively.

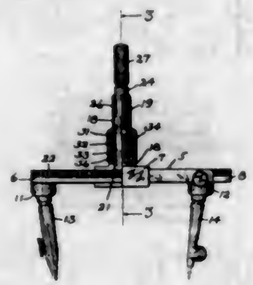
9. An apparatus for burning liquid fuel comprising a plurality of atomizers, a fuel return pipe from each atomizer, a fuel return pipe common to a group of burners, and means for separately controlling the flow of fuel through each of said return pipes.

1,628,425. CONTROL OF DYNAMO-ELECTRIC MACHINES. ALAN A. POLLOCK, Leamington Spa, England, assignor to General Electric Company, a Corporation of New York. Filed Sept. 28, 1926, Serial No. 138,291, and in Great Britain Oct. 12, 1925. 3 Claims. (Cl. 171—224.)



1. In combination, a group of direct current dynamo electric machines connected to operate in parallel, each of said machines having a separately excited field winding and a differential series field winding, and an exciter having an armature connected to said separately excited field windings on said machines, said exciter having a cumulative compounding winding energized in accordance with the total current of said group of machines.

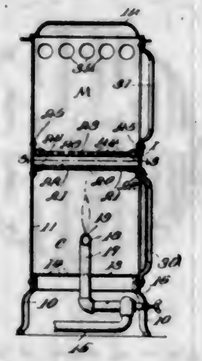
1,628,426. BEAM COMPASS. DONALD E. PRENVEILLE, Oakland, Calif., assignor of one-half to Antoine E. M. Prenveille, Okland, Calif. Filed Feb. 12, 1925. Serial No. 8,658. 4 Claims. (Cl. 33—159.)



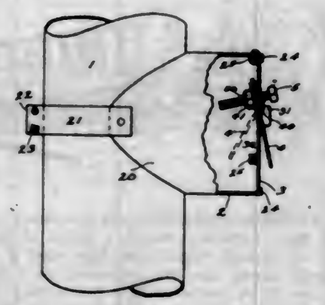
1. A beam-compass rod comprising a body member, an arm slidably mounted in said member, a manually rotatable shaft mounted in said member, a pinion mounted on said shaft, the arm having a rack operatively engaging said pinion, and means carried by said member and adapted to cooperate therewith to press the arm and pinion into frictional engagement with various intensities.

1,628,427. GAS HEATER. CHARLES P. PRICE, Boston, Mass. Filed Jan. 15, 1926. Serial No. 81,501. 4 Claims. (Cl. 126—90.)

1. In a gas heater, a casing divided by a double-walled horizontal partition into a lower combustion chamber and an upper mixing chamber, one of said walls being of substantial mass to maintain constant the temperature of the air flowing into said upper mixing chamber, said partition having openings therethrough, and a damper to regulate the effective area of said openings.



1,628,428. DRAFT REGULATOR. CHANNING PRICHARD, Seattle, Wash., assignor of one-half to John T. Beamish, Baker, Oreg. Filed Sept. 2, 1926. Serial No. 133,159. 8 Claims. (Cl. 236—45.)



1. A draft regulator for furnaces comprising a casing having strap members adapted to pass over the smoke pipe, means for drawing together the ends of said strap members, said casing having a draft opening and a pressure controlled damper in the opening.

1,628,429. WRAPPER. ERIC H. RADFORD, Los Angeles, Calif. Filed Mar. 7, 1925. Serial No. 13,724. 2 Claims. (Cl. 229—87.)



2. A wrapper of the class described constructed of sheet material, and of a length greater than the article to be wrapped therein, one of the margins thereof having a series of projections to form a covering for one end of the article, the opposite end of the wrapper projecting beyond the article having a length sufficient to form a handle for the wrapped article and there being tearing lines formed in the wrapper starting from the margin having said projections and continuing lengthwise thereof to points approximating the handle forming portion.

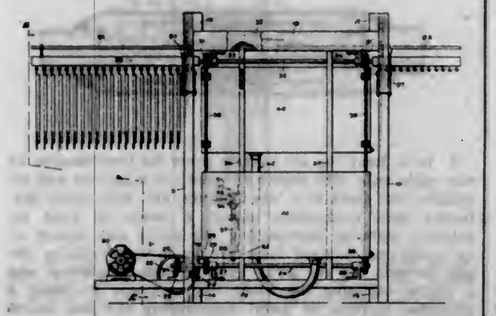
1,628,430. AUTOMATIC WATER TRAP. PAUL CHARLES RIBES, Colombes, France. Filed Dec. 29, 1924, Serial No. 758,568, and in France Oct. 15, 1924. 5 Claims. (Cl. 236—58.)



1. A water-trap comprising a body, a steam and water inlet and a water outlet on said body, a collapsible box supported by and within said body, a closing member for said water outlet and supported by said box and a liquid contained within said box and having substantially the following composition:

	Parts.
Water	50
Hexane	25
Benzine	25

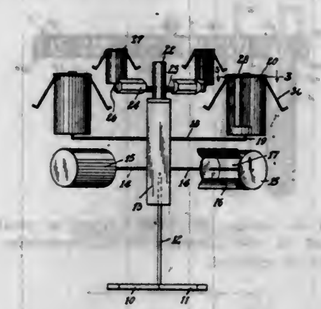
1,628,431. AUTOMATIC DIPPING MACHINE. SHELDON S. ROBY, Meriden, Conn., assignor, by mesne assignments, to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 695,486. 11 Claims. (Cl. 91—46.)



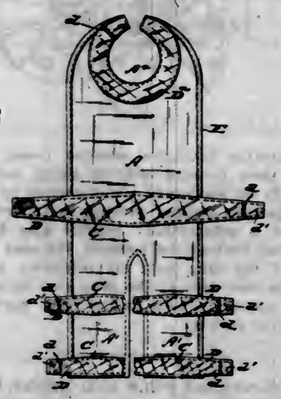
1. An automatic dipping machine having means for supporting articles to be dipped, means for raising a tank of liquid, to immerse the articles in the liquid, a second tank into which the liquid is received, means for raising the second tank and lowering the first tank, and means for supporting articles to be dipped as the second tank is raised, the drain permitting the reverse flow of the liquid.

1,628,432. ROTATING ADVERTISING DEVICE. ERNEST RUEGGER, Creswell, Oreg. Filed Oct. 11, 1926. Serial No. 140,747. 3 Claims. (Cl. 40—39.)

1. In a device of the class described, a base, a stud extending from said base, a square block rotatably mounted on said stud, an additional block above the first-named block and rotatable independently thereof, rotating cylinders mounted on each of said blocks, cylinder supports comprising horizontal bars having upright arms formed on their extremities, said cylinders being rotatably mounted on said arms.



1,628,433. GARMENT PROTECTOR. WALTER D. SCHILKE, Detroit, Mich. Filed June 24, 1926. Serial No. 118,174. 1 Claim. (Cl. 2—52.)

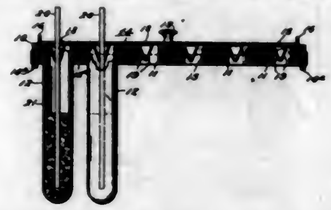


A garment protector comprising a strip of cloth having parallel side edges and bifurcated at one end to form separate leg portions; a plurality of tubular pockets formed of fabric stitched to the inner surface of the cloth strip in spaced relation to each other with the ends of the pockets extending beyond the marginal edges of the cloth, each of said pockets having an opening beyond said marginal edges through which spring clips may be inserted and removed; and a plurality of removable spring clips adapted to be housed in the several pockets for engaging the protector over the clothing of the wearer.

1,628,434. MOLD SUPPORT. MILTON SCHNAIER, New York, N. Y. Filed Apr. 26, 1924. Serial No. 709,178. 8 Claims. (Cl. 107—8.)

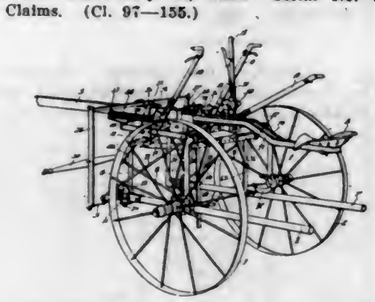
4. A device of the character specified comprising a support having openings therein to retain molds for producing a confection or the like having an embedded stem, a member adapted to engage with said support

and having openings therein registering with the openings in said support, and separate spring holding means on said member arranged at each of the openings there-



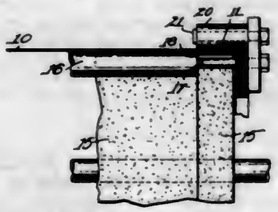
in, adapted to engage and hold a stem in position to be embedded in the contents of its respective mold, substantially as specified.

1,628,435. SEAT-GUIDE CULTIVATOR. JOHN P. SEAHOLM, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed May 22, 1924. Serial No. 715,124. 9 Claims. (Cl. 97—155.)



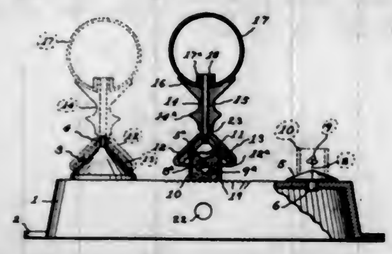
1. A cultivator having a wheeled frame, drag bars pivoted at their forward ends to swing both laterally and vertically on stationary pivots carried by the frame, a seat supporting member pivoted to the cultivator to swing about a substantially vertical axis for steering purposes, and connections between the seat supporting member and the drag bars for positively and quickly swinging the rear ends of the drag bars in unison with and in the same direction as the front portion of the seat supporting member.

1,628,436. CONVEYER BELT AND MEANS FOR GUIDING THE SAME. OSCAR E. SEGRIN, Springfield, and CARL J. CLEMENS, East Longmeadow, Mass., assignors to Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass., a Corporation of Massachusetts. Original application filed Jan. 5, 1923, Serial No. 610,799. Divided and this application filed Oct. 12, 1925. Serial No. 61,886. 5 Claims. (Cl. 198—202.)



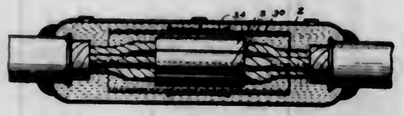
4. A conveyer belt having thickened edges, a rotating guiding device having recessed portions to receive said thickened edges and holding rolls adjacent said recessed portions effective to retain the thickened edges of said belt in said recessed portions, and an idle roll mounted above said belt adjacent said guiding device effective to retain said belt in engagement with said guiding device.

1,628,437. DENTAL CASTING DEVICE. JOHN C. SHOTTON, Lakewood, Ohio. Filed Jan. 27, 1923. Serial No. 615,207. 8 Claims. (Cl. 22—69.)



1. A dental casting device including a ring, a mold formed within the ring of material which is pervious to air, a removable cup adapted to engage the edges of the ring, a resilient bulb connected to the interior of the cup for varying the air pressure therein, and a plastic lining arranged within the cup and adapted to have the edge of the ring embedded therein to produce an air tight connection between the ring and the cup with only a light pressure.

1,628,438. CABLE JOINT. DONALD M. SIMONS, Osborne, Pa., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1925. Serial No. 358. 3 Claims. (Cl. 173—268.)

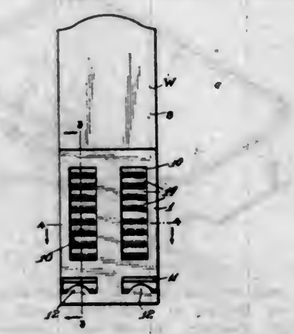


1. In a joint for an electric cable the combination of two cable ends with sheath cut away to a greater and insulation cut away to a less distance, and with bared conductor ends electrically united, a sleeve of solid insulating material surrounding the union and spaced at an insulating interval from the union and bridging the gap between the cut away ends of cable insulation, and a casing enclosing the whole, the structure including a grounded annulus of metal surrounding the said sleeve of insulating material throughout the mid-portion of its longitudinal extent, and surrounding such mid-portion at a narrower interval than that at which the casing surrounds the end portions of the said sleeve.

1,628,439. DISPLAY CONTAINER. JOHN STAUBLY, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y. Filed Feb. 23, 1924. Serial No. 694,540. 1 Claim. (Cl. 211—8.)

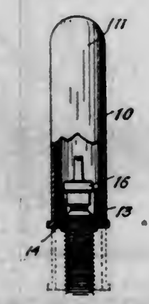
A device of the class described, comprising, a container having a face-plate, said face-plate having a delivery opening with dimensions sufficient to permit the passage of an article therethrough except for a flexible stop formed from said face-plate and comprising a portion of one of the edges of said delivery opening, the line defining the line of connection between said flexible stop

and said face-plate being of less length than the overall dimension of the edge of the discharge opening of which said flexible stop comprises a portion, and a hole



in the back of said container through which a finger may be introduced for pushing an article past said flexible stop and through said delivery opening.

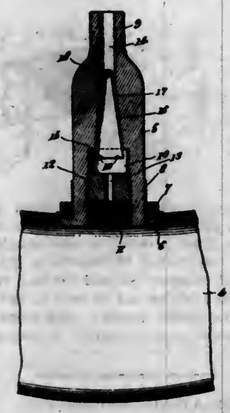
1,628,440. DUST CAP FOR TIRE VALVES. VERNON L. SMITHERS, Akron, Ohio. Filed Apr. 26, 1926. Serial No. 104,523. 6 Claims. (Cl. 152—12.)



1. A dust cap for tire valves comprising a shell which is closed except for an opening into which the valve stem is received, a flexible sleeve having one end thereof sealed to the inner surface of the shell adjacent said opening and normally projecting toward the closed end of the shell, said sleeve being adapted to grip the outer surface of the valve stem and form an airtight connection therewith and being also adapted to be turned inside-out and extend outwardly from the open end of said shell, and when in the latter position to permit air to escape from the interior of the shell along the outer surface of the valve stem.

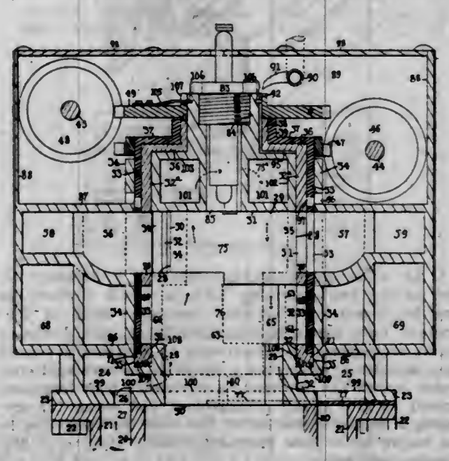
1,628,441. TIRE AIR VALVE. ANGELO L. SORESI, New York, N. Y. Filed Nov. 23, 1926. Serial No. 150,808. 4 Claims. (Cl. 152—12.)

1. A tire valve comprising a valve stem provided with an air passage having a metallic valve seat intermediate of its ends and a hollow metallic valve member arranged in said passage, said valve member being open at one end and having a wall section gradually decreasing in thickness to said open end thereof and expansibly yieldable



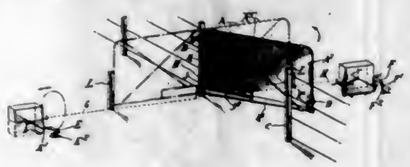
under internal air pressure in the closed position of the valve to maintain an air tight seal between the outer surface of said wall and the valve seat.

1,628,442. INTERNAL-COMBUSTION ENGINE. BURNHAM C. STICKNEY, Rutherford, N. J. Filed Oct. 31, 1923. Serial No. 671,853. 26 Claims. (Cl. 123—190.)



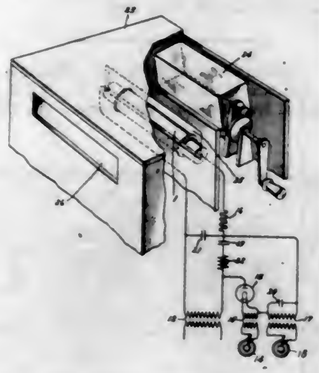
1. The combination with a ported explosion chamber or valve seat, of complementary ported shells fitted one within the other to form a composite valve fitting around said valve seat, and means for continuously revolving said shells in opposite directions, said composite valve ported coordinately with the porting in said seat to form two complete cycles of operations during each complete revolution of the valve, each shell being connected to make one revolution for each four revolutions of the engine-crank-shaft, the valve seat having diametrically opposite intake ports and also diametrically opposite exhaust ports, said intake ports being in a different zone from the exhaust ports in each shell and in said valve seat.

1,628,443. MECHANISM FOR OPENING AND CLOSING GATES, DOORS, AND THE LIKE. ARTHUR DOUGLAS THOMAS, Black Rock, Victoria, Australia. Filed Apr. 3, 1924, Serial No. 703,849, and in Australia Apr. 19, 1923. 4 Claims. (Cl. 39—34.)



2. Mechanism for opening and closing gates, having rock shafts with depressible levers thereon, cranks on the said rock shafts, arms pivoted to said cranks and having a knuckle joint connection therewith, a hinging stile on the gate, a radial member on said hinging stile, a flexible connection attached to one end of each of the pivoted arms and leading to the radial member, and stops on the other ends of the pivoted arms adapted to engage the bodies of the cranks.

1,628,444. INDICATING APPARATUS. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 27, 1923. Serial No. 621,692. 5 Claims. (Cl. 171—95.)

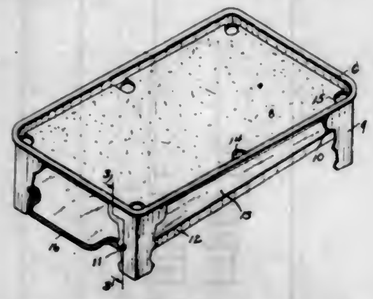


1. An indicating apparatus comprising a discharge device having two electrodes between which a discharge may be passed, one of said electrodes being of filamentary form and extending linearly in said device, a circuit arrangement for impressing an electromotive force upon said device to produce a discharge between said electrodes, means for impressing a modulated high frequency current on said circuit arrangement, and means for producing a visible indication of the resulting variations in the length of a glow discharge formed along said filamentary electrode.

1,628,445. PROCESS FOR OBTAINING DIRECT POSITIVES BY REVERSAL. GEORGES EMMANUEL ZELGER, Vincennes, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Apr. 14, 1923, Serial No. 632,135, and in France Feb. 16, 1923. 3 Claims. (Cl. 95—88.)

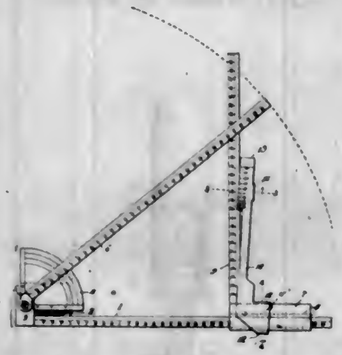
1. A photographic process for obtaining direct positives consisting in effecting a first development, then dissolving in an acid bath the silver of the image thus obtained, and then effecting the final reduction of the remaining silver salt in a non basic bath containing substances capable of reducing said silver salt in an acid bath even without any exposure to light.

1,628,446. GAME APPARATUS. ALBERT A. ALLINGER, Richmond Hill, N. Y., assignor to American Game & Toy Corporation, Brooklyn, N. Y. Filed May 23, 1925. Serial No. 32,465. 4 Claims. (Cl. 273—2.)



1. A pool rectangular table comprising a table top having an opening at each corner and oppositely disposed side openings therethrough, supporting legs attached to the corners of said top and an inclined runway connected to and bracing the supporting legs below the top whereby playing objects falling through said openings may roll to one end of the table.

1,628,447. RAFTER GAUGE. ELISHA ATTAWAY, Logansport, La. Filed Apr. 17, 1923. Serial No. 632,792. 1 Claim. (Cl. 33—97.)

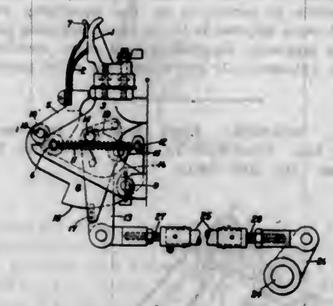


In a measuring instrument, the combination of a plate having graduations marked thereon, a horizontal rule having graduations thereon and secured permanently at one side of the plate, a rule for determining angles in conjunction with the horizontal rule, means for pivotally securing the said rule to the plate, a vertical rule having graduations marked thereon, a base formed on the vertical rule and having a channel that is adapted to receive the horizontal rule whereby the vertical rule may be moved along the horizontal rule, and a fourth rule pivotally joined to the base of the vertical rule and having graduations on its upper end and further being provided with an upper portion that its adapted to partially surround a portion of the vertical rule.

1,628,448. ELECTRIC SWITCH. WINFIELD A. ATWOOD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 21, 1924. Serial No. 707,832. 5 Claims. (Cl. 200—70.)

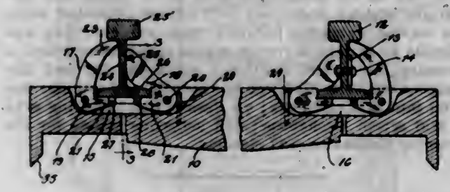
1. In an electric switch of the class described, relatively movable cooperating contacts, restraining means for holding said contacts in circuit closing position arranged to be held from restraining position while the

contacts are in the circuit open position, and an operating member for actuating one of said contacts arranged upon movement in one direction to move said contacts to circuit closing position and upon a predetermined movement in the opposite direction to move said restraining means from restraining position whereby to permit move-



ment of said contact from circuit closing position, and means for effecting the movement of the restraining means to restraining position after said contact is in circuit closing position arranged to have energy stored therein by the movement of the operating member in the circuit closing direction.

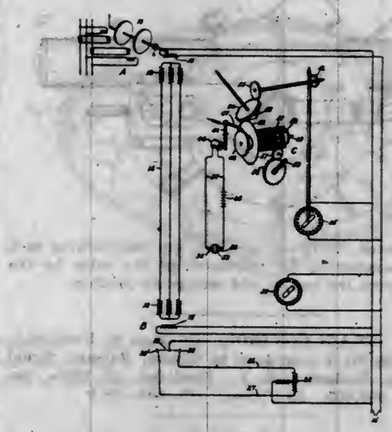
1,628,449. RAILWAY TIE AND RAIL FASTENER. CARL BIERNAT, Glasford, Ill. Filed Dec. 24, 1926. Serial No. 156,868. 3 Claims. (Cl. 238—170.)



3. A rail fastening comprising in combination with a railway tie having a depression in its body, a pair of pawls fulcrumed intermediate their ends, means in said tie forming the fulcrums of said pawls, locking means for said fulcrum forming means, lower, rail foot flange supporting means on said pawls, and upper, rail web engaging means on said pawls, said lower supporting means for the rail foot flanges adapted to be depressed under the weight of the rails and the rolling stock thereon for firmly pressing the upper web engaging means against the rail web on opposite sides of the rail, and a stop pin for locking the parts in their adjusted rail holding position.

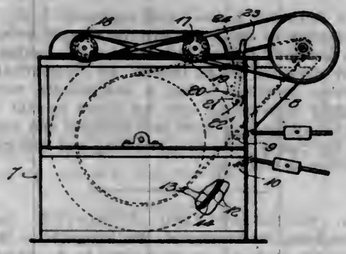
1,628,450. TELEMETRIC APPARATUS. WALTER P. BLANCHARD, Winthrop, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 4, 1924. Serial No. 754,002. 3 Claims. (Cl. 177—351.)

1. In a telemetric system, sending and receiving stations, electric impulse transmitting and receiving devices at said stations respectively, the transmitter at the sending station comprising means driven by a constant speed electric motor and controlled in accordance with the indication to be transmitted to transmit impulses at a rate dependent upon such indication, the receiving device at said receiving station comprising a variable ratio differential movement, one member of which is driven at the rate of the transmitted impulses and the other member



of which is driven by a constant speed electric motor, said two motors being energized by a common source of supply whereby the indication of the receiving device will remain fixed should said supply fail.

1,628,451. COTTON AND HULL SEPARATOR. CHARLES A. BRUST, Memphis, Tenn. Filed Sept. 23, 1926. Serial No. 137,327. 4 Claims. (Cl. 19—37.)

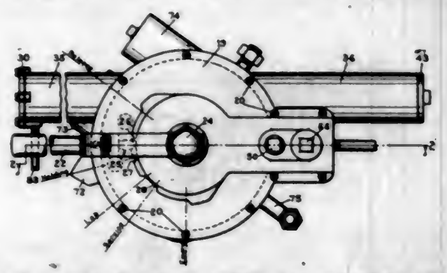


1. In a cotton and hull separating machine, a body structure, a cotton conveying drum rotatably mounted in said body structure, said drum having spaced longitudinal grooves in its periphery to receive the cotton but not the hulls, cotton-conveying and hull-impaling spikes arranged in said grooves with their outer ends projecting therefrom and beyond the periphery of the drum, and means for knocking the cotton hulls from said spikes.

1,628,452. TRAIN CONTROL. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Aug. 12, 1922. Serial No. 581,407. 48 Claims. (Cl. 303—56.)

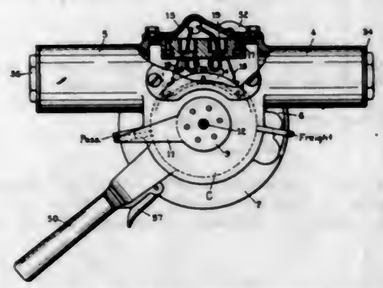
1. In an automatic brake valve operator, the combination with an engineer's brake valve, of means for automatically actuating said valve to the service brake ap-

plying position and for simultaneously releasing the operative connection between the brake valve handle and the valve and for preventing operation of the valve by the



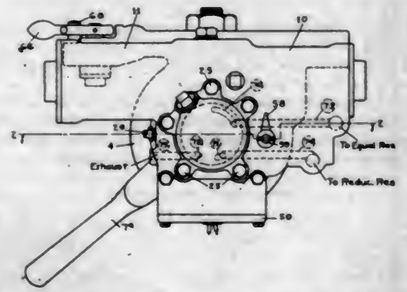
handle toward the release position, but maintaining such operative connection for movement of the valve by the handle toward the service and emergency position.

1,628,453. TRAIN CONTROL. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Oct. 15, 1923. Serial No. 668,665. 35 Claims. (Cl. 303—18.)



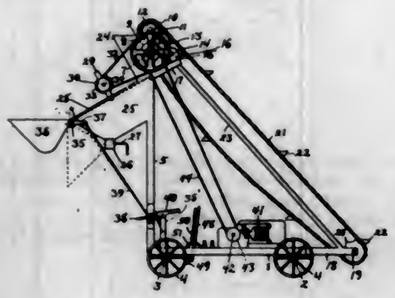
1. In a combined manual and automatic brake valve, the combination of the usual engineer's brake valve comprising a casing of general cylindrical shape having a cap of smaller diameter bolted thereto, an automatically operated valve actuator having a downwardly extending web partially surrounding said cap bolted to said casing, and a handle projecting from said actuator and cooperating with the rotary valve in said casing and engaging the usual notches in said cap.

1,628,454. BRAKE-APPLYING APPARATUS. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Mar. 20, 1925. Serial No. 16,937. 37 Claims. (Cl. 303—18.)



1. In a braking system for railway trains of the type in which the brake pipe is normally charged and in which a brake application is effected if brake pipe pressure is reduced; the combination of an equalising reservoir; a reduction reservoir; a valve member having a cavity, a seat on which said valve member is adapted to move having three openings therein, said openings being connected to the equalising reservoir the reduction reservoir and to atmosphere respectively, and being so arranged that the reduction reservoir is connected to atmosphere when the valve member is in the normal position, and the reduction reservoir is connected to the equalising reservoir when said valve member is in the brake applying position; means for manually controlling said valve member; and means for automatically operating said valve member.

1,628,455. SCREEN. EMIL EDWARD DRISTER, Fort Wayne, Ind. Filed July 15, 1926. Serial No. 122,545. 3 Claims. (Cl. 209—240.)



1. In a portable sand sizing apparatus, a vehicle having vertical standards at one end thereof; a bin supported in an elevated position by said standards and extending outwardly therefrom; a catch box hinged at the outermost end of the bin, so disposed as to swing into discharging position under said bin; a latch controlled windlass having actuating relation with the catch-box and operable to sustain the catch-box in receiving position; a screening mechanism positioned above the bin and discharging undersize material into the bin and oversize material into said catch-box; an elevator for supplying sand to said screen mechanism; and actuating means for the screening mechanism and elevator.

1,628,456. METAL FILAMENT. TED E. FOULKE, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed July 29, 1922. Serial No. 578,474. 6 Claims. (Cl. 176—131.)



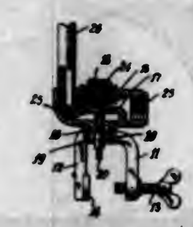
3. A filament for electric incandescent lamps and other electrical devices comprising filaments, consisting of a metal having its surface coated with a thin film of metallic oxide and having said film covered with a getter compound.

1,628,457. COP TUBE. JOSEF FRANZ, Bischofswerda, Germany. Filed Dec. 15, 1926, Serial No. 154,952, and in Germany June 9, 1925. 2 Claims. (Cl. 242—122.)



1. A cop tube composed of paper layers which are pasted together, and threads embedded between said paper layers so as to form circumferential ribs.

1,628,458. DUST-LAYING SPRAYING DEVICE. THOMAS FRENCH, Rumford, Me. Filed Mar. 5, 1926. Serial No. 92,449. 2 Claims. (Cl. 299—73.)



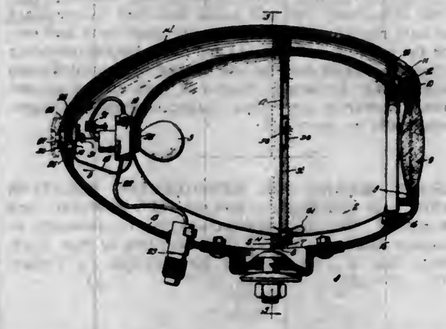
1. A spraying device comprising a spraying nozzle, a supply pipe therefor, a valve casing supporting said supply pipe and provided with a depending trunnion, a valve in said casing and having the stem thereof extending through and beyond said trunnion, a clamp pivotally supporting said valve casing at the trunnion on the latter, a depending arm secured to the valve casing and a cooperating lever pivotally secured to said depending arm and connected with said valve stem to actuate said valve.

1,628,459. COMBINATION HOT-WATER AND HOT-AIR FURNACE. ANTON GABRIEL, East Chicago, Ind. Filed Dec. 20, 1926. Serial No. 155,826. 10 Claims. (Cl. 126—101.)

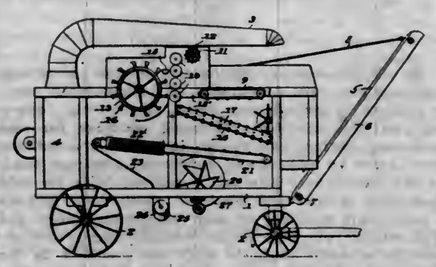
1. A combination hot water and hot air furnace, comprising a firebox, a hot air chamber disposed above the fire box, a smoke duct extending from the rear end of the fire box through the hot air chamber, and water piping extending through the fire box, the hot air chamber being separated from the fire box by a partition having a filling of heat-storing material.

1,628,460. HEADLIGHT CONSTRUCTION. CHARLES E. GODLEY, Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company, a Corporation of Michigan. Filed Nov. 21, 1924. Serial No. 751,255. 14 Claims. (Cl. 240—41.)

1. In a lamp, a housing having an opening in its front, a reflector disposed within the housing and engaging the said front, the rear end of the reflector being spaced from the back of the housing; a focusing socket mounted on the rear end of the reflector; and a compression spring interposed between the said rear end and the back of the housing for forcing the reflector against the said front, the said spring having its forward end secured to the reflector and having its rear end in releaseable engagement with the back of the housing, the intermediate portion of the spring extending at one side of the focusing socket to permit access to the latter

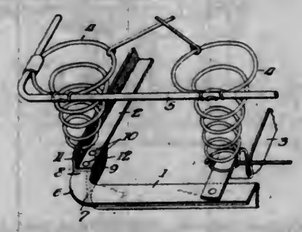


1,628,461. CORN SHREDDER AND HUSKER. HERMAN PETER GROSSMAN, Boonville, Ind. Filed Feb. 18, 1927. Serial No. 169,301. 6 Claims. (Cl. 130—5.)



1. In a corn shredder and husker, the combination with rollers for severing the stalks from the ears, and a shredder, of means for dividing the stalks while passing from the rollers to the shredder.

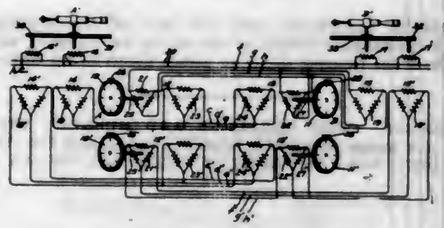
1,628,462. BEDSPRING. DARWIN HANAUER, La Grange, Ill., assignor to Kinney-Rome Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 25, 1922. Serial No. 603,171. 1 Claim. (Cl. 5—248.)



In a bedspring, the combination of transverse rows of vertical coiled springs having their upper ends connected together and to a border wire, and a main

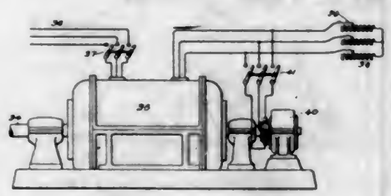
spring-supporting frame comprising side angle bars having outwardly projecting horisontal flanges and depending vertical flanges provided with integral inturned end portions in the same planes as the main portions thereof and forming rounded frame corners and inwardly projecting extensions, and end angle bars and intermediate cross bars rigidly secured to said side angle bars and carrying the rows of springs, said end angle bars terminating short of the frame corners and having horizontal flanges secured to the horizontal flanges of said extensions and vertical, upwardly projecting spring supporting flanges, substantially as described.

1,628,463. MEANS FOR REPRODUCING RELATIVE ANGULAR MOTION. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Jan. 4, 1922. Serial No. 527,012. 4 Claims. (Cl. 177—351.)



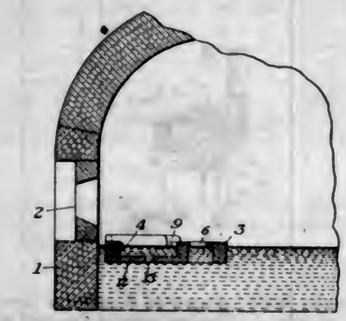
1. Means for reproducing relative motion comprising in combination with a plurality of independently movable objects, a reproducing device, inductively cooperating relatively movable polycircuit windings for said reproducing device, electrically inductive transmitting devices drven by said objects, polycircuit armature windings and single-phase alternating current fields for said transmitting devices, and electrical connections between the polycircuit windings of said reproducing device and the polycircuit windings of said transmitting devices respectively whereby magnetic fields are produced in the windings of said reproducing device, said fields varying in angular position in accordance with the angular positions of said objects.

1,628,464. INDUCTION MACHINE. HENRY M. HOBART, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 24, 1923. Serial No. 659,221. 4 Claims. (Cl. 172—274.)



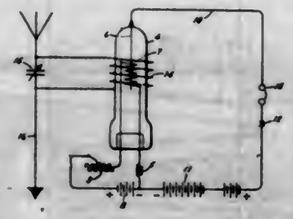
1. An induction cascade comprising a pair of induction machines of different pole numbers having cooperating coil wound stator and bar wound rotor windings, the rotor windings being mounted adjacent each other on the same shaft and interconnected in cascade relation by a system of continuous conductors.

1,628,465. GLASS-GATHERING RING. LEON J. HOUZE, Point Marion, Pa. Filed Nov. 20, 1926. Serial No. 149,638. 4 Claims. (Cl. 49—61.)



3. In a glass-gathering ring, the combination of a gathering opening, a melting hearth, a channel connecting the hearth with the gathering opening, and movable means for interrupting the flow of glass in said channel.

1,628,466. ELECTRON DEVICE AND METHOD OF OPERATING. ALBERT W. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,409. 15 Claims. (Cl. 250—27.)

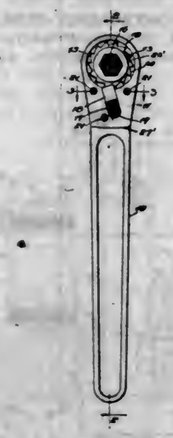


1. An electron discharge device having an electron-emitting cathode and an anode, one of said electrodes being helically arranged with respect to the other electrode and having an electrical conductivity sufficiently high to conduct a current of sufficient magnitude to generate a field parallel to the axis of said cathode capable of effectively decreasing by magneto-striction an electron discharge between said electrodes.

15. A current controlling apparatus comprising the combination of an electron discharge device having a thermionic cathode and an anode one of said electrodes being coiled about the other, means for conducting through said coiled electrode a current of sufficient magnitude to generate a magnetic field capable of materially reducing said discharge, means for varying said field, an output circuit connected to said electrodes, a source of energy in said output circuit, a load device in said output circuit and means for the passage of variable current from said output circuit to the circuit of said coiled electrode.

1,628,467. WRENCH. SIGMUND MANDL, Milwaukee, Wis., assignor to Husky Wrench Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 22, 1924. Serial No. 757,812. 3 Claims. (Cl. 81—60.)

1. A wrench comprising a flat integral body part having one end circular and its other end formed into a handle, said circular end having a concentric cylindrical pocket extending entirely transversely therethrough, a ratchet wheel within said pocket having an axially extending wrench opening, said body between its ratchet pocket and handle having a slot extending transversely through the entire thickness of said body part and opening into said pocket, a rectangular pawl longitudinally movable in said slot but confined against transverse movement therein, a spring in said slot pressing said

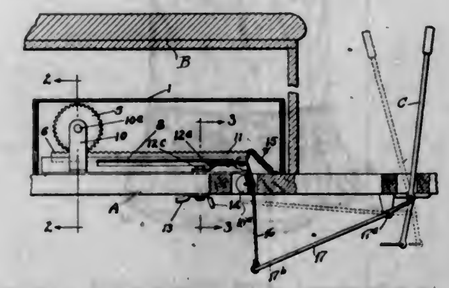


pawl into cooperation with the teeth of said ratchet wheel, and separable side plates for said body part closing the sides of said pawl slot and confining said ratchet wheel in said pocket, said plates being secured to the body part alongside of said slot in order to strengthen the body part at such point.

1,628,468. PROCESS OF PRODUCING VITREOUS SILICA. LEVI B. MILLER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 29, 1926. Serial No. 157,870. 3 Claims. (Cl. 49—78.1.)

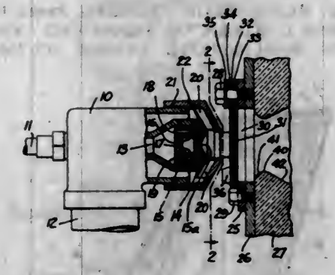
3. The process of producing vitreous or fused quarts from crystal quarts which consists in heating said material to a temperature adjacent to but below about 1700° C., cooling the same to a temperature below 270° C., and finally fusing said material in a vacuum.

1,628,469. AUTOMOBILE-LOCKING APPARATUS. TED MILLER, Encinitas, Calif. Filed May 13, 1926. Serial No. 108,748. 5 Claims. (Cl. 70—127.)



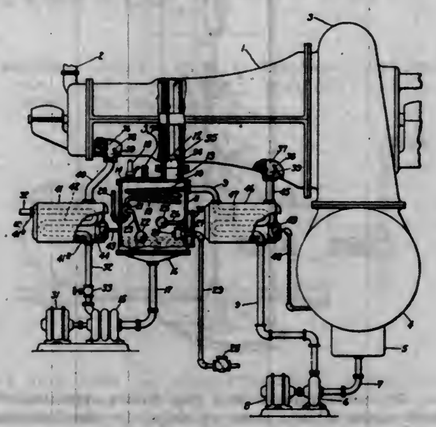
2. In an automobile locking apparatus, an automobile brake lever, an electrical switch with a contact in electrical connection with the negative side of an automobile battery, and another contact in connection with and grounded on the automobile, key lock and gear means for opening and closing said switches, a lever in connection with said gear means adapted to engage and lock the brake lever with the movement of said lock, means, said key lock and gear means consisting of a conventional lock with a key, a shaft in operative connection therewith, a gear mounted on said shaft, and a gear rack meshing with said gear carrying a portion of said switch members.

1,628,470. BURNER SUPPORT. ALBERT W. MORSE, Long Island City, N. Y. Filed Dec. 11, 1923. Serial No. 679,942. 1 Claim. (Cl. 158—73.)



In combination with a furnace, a burner of the externally mixing type, having a deflector cap with a central outlet and a nebulizer nozzle in fixed relation thereto, the said deflector cap having means to fasten the burner to the furnace comprising arms extending from the sides of the said cap, a plate having a circular opening in alignment with the outlet in the said cap and being in spaced relation thereto, screws fastening the said plate to the furnace, the said arms of the cap being integrally connected to the said plate, whereby the relation of the outlet in the said cap and the opening in the plate is kept constant, and a single shutter for the opening in the plate, pivotally connected to one of the said screws and interposed between the deflector cap and the plate, substantially as set forth.

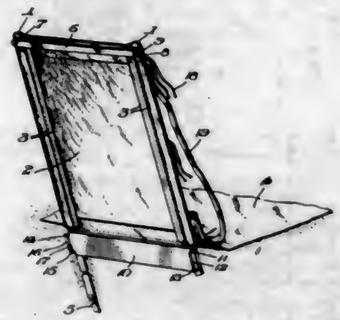
1,628,471. FEED-WATER HEATER. SANFORD A. MOSS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 18, 1924. Serial No. 707,517. 4 Claims. (Cl. 261—117.)



1. A spray heater for use with a multistage extraction steam turbine for heating feed water, comprising a closed tank adapted to contain a supply of heated liquid, an inlet conduit of relatively large cross section connected with the tank through which is admitted extraction steam of substantially atmospheric pressure, a

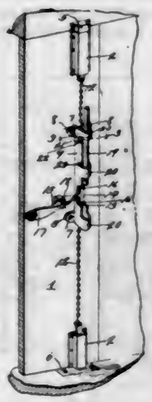
spray inlet nozzle in the tank through which liquid to be heated is supplied, a second spray inlet nozzle in the tank, means connected with the second-named nozzle for supplying thereto additional liquid to be heated, and a conduit connected with the tank for conducting therefrom excess liquid, said conduit having an extension below the point of connection with the tank providing a vertical length sufficient to create a liquid head having a pressure greater than atmospheric pressure.

1,628,472. BEACH CHAIR. NATHAN G. PERRY, Oakland, and LLOYD L. HANSON, Los Angeles, Calif. Filed Nov. 25, 1925. Serial No. 71,432. 8 Claims. (Cl. 155—153.)



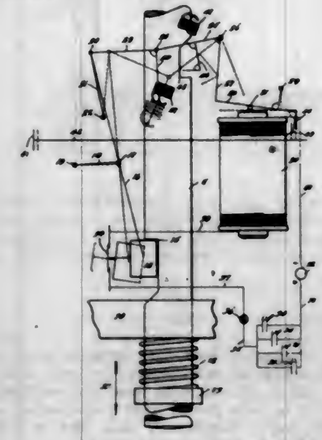
1. A beach chair including dowels, a flexible back secured to the dowels, strainers for the dowels, a loop secured to a dowel for receiving an end of at least one of the strainers, said strainer having notches formed in opposite sides of said end to be received in said loop.

1,628,473. LEVER-CONTROL BOLT FOR DOORS. JOHN POKORNEY, Burwell, Nebr. Filed Jan. 8, 1927. Serial No. 159,860. 3 Claims. (Cl. 292—36.)



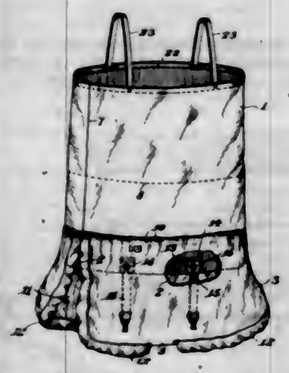
1. The combination with a door having oppositely disposed spring latched bolts, of means for simultaneously moving said bolts to open positions, said means comprising a casing carried by the door between the spring actuated bolts, a plurality of rollers within the casing, flexible members connected to the bolts and extending under said rollers, a pivoted lever pivoted at a right angle to the casing and extending into a recess in the casing between adjacent rollers, the ends of said flexible members being connected to the lever in the recess of the casing, a slidable bolt guided within the casing, means for moving said bolt longitudinally to an overlapped position over the lever in the recess of the casing, said bolt being slidably mounted on the rollers.

1,628,474. LATCH-CONTROLLED OPERATING MECHANISM. JOHN H. SAYERS, Brooklyn, N. Y. Filed Jan. 22, 1926. Serial No. 83,162. 11 Claims. (Cl. 192—116.5.)



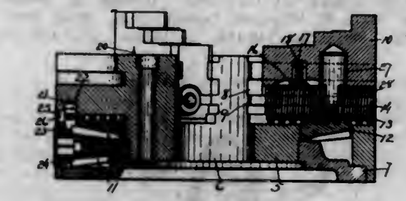
1. An automatic stop mechanism comprising a rod, a lug upon said rod, a housing through which said rod passes, and a spring compressible between said lug and said housing in combination with toggle means for holding said rod against the action of said spring, and electrical means for releasing said toggle means.

1,628,475. ENSEMBLE UNDERGARMENT. SARAH E. B. SHEPARD, Lowell, Mass. Filed Jan. 29, 1926. Serial No. 84,668. 1 Claim. (Cl. 2—78.)



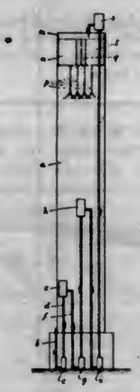
An undergarment of the ensemble step-in type comprising a one-piece body portion in the form of a continuous, non-split band providing a combined underwaist and skirt part, a lining in the form of a continuous, non-split band for and of less height than the height of said body portion, means for securing the upper end of the lining to said body portion a substantial distance below the top of the latter, means for securing the lower end of the lining to the lower end of the body portion, a two-fold body open at each side for a portion of its length and with the bend between the folds of less length than the width of these latter thereby providing a drawers part, the free ends of the folds of said two-fold body positioned against the outer face of said body portion at a point below its transverse center and in proximity to its lower end, rows of stitching for securing the free ends of the folds in side-wise abutting relation and further for securing the free ends of the folds to said body portion and lining, and said bend between the folds forming a crotch and positioned at the lower end of said two-fold body.

1,628,476. CHUCK. HARRY E. SLOAN, Hartford, Conn. Filed July 9, 1923. Serial No. 650,332. 2 Claims. (Cl. 279—123.)



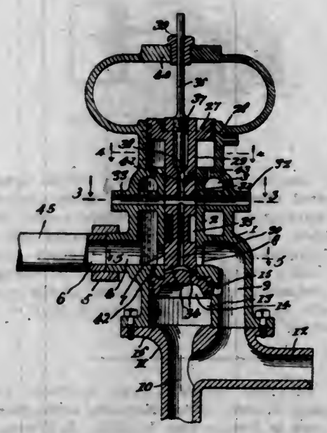
1. A chuck comprising a chuck body, jaws movable radially in said body, a feed scroll mounted in the body, jaw carriers in engagement wtih said feed scroll, a feed screw for independently moving each of said jaws, each screw having a longitudinally extending notched portion in its periphery, a spring pressed detent carried by each jaw and having a head of a size to be received in the screw notch whereby it may be determined when the several jaws are concentric with the central axis of the chuck body.

1,628,477. REMOVAL OF SULPHURETED HYDROGEN FROM GAS AND APPARATUS THEREFOR. ERNEST WOODHOUSE SMITH and THOMAS CAMPBELL FINLAYSON, London, England, assignors of one-third to Woodall-Duckham Limited, London, England. Filed Nov. 14, 1925, Serial No. 69,108, and in Great Britain Dec. 10, 1924. 9 Claims. (Cl. 23—225.)



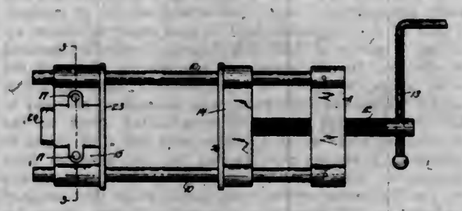
1. A process of regenerating spent liquor of the kind herein referred to, which consists in introducing air into the lower part of an upwardly moving column of the liquor so as to form an upwardly moving column of air and liquor.

1,628,478. ATTACHMENT FOR LOCOMOTIVES. CHARLES STERN, Jersey City, N. J., and RICHARD WALLACE BRADEN, New York, N. Y., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 8, 1921, Serial No. 490,605. Renewed Oct. 21, 1926. 5 Claims. (Cl. 121—137.)



2. A locomotive attachment comprising a casing having a chamber in communication with the steam dome of a locomotive, said casing further having cylinders therein in communication with the chamber at their inner portions and in communication with the locomotive steam chest pressure at their outer portions, said casing having a passage connecting with the steam chests of the locomotive and with said chamber, pistons in the cylinders, a stem connecting said pistons and adapted in one position to shut off the communication between said chamber and passage, and means for holding and trapping the accumulated steam chest pressure upon the outer face of one of the pistons whereby to shift the pistons and the valve stem to a position for opening communication between said chamber and passage when the throttle is closed.

1,628,479. CLAMP. HUGO V. STEUERNAGEL, Hartford, Conn. Filed May 7, 1924. Serial No. 711,622. 3 Claims. (Cl. 144—289.)



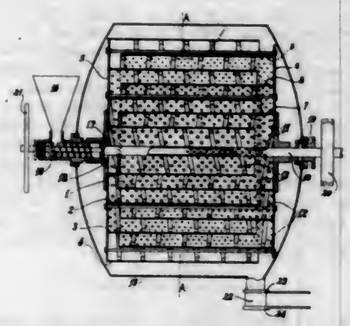
1. In a clamp, the combination with a tie-member, of a block sliding thereupon and having a clamping-face, a dog pivotally mounted intermediate of its ends directly in the said block for bodily movement therewith, a plunger mounted in the said block, operatively connected with the said dog and positioned to be manually operated by a blow for disengaging the dog from the tie-member, and a spring acting directly upon the said plunger for normally maintaining the said dog in engagement with the said tie-member.

1,628,480. ELECTRIC SWITCH. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 13, 1922. Serial No. 552,225. 3 Claims. (Cl. 173—346.)



3. In an electric switch, a rotary switch spindle, a crank operated thereby and rotating substantially in a plane, a commutator pivoted to oscillate across the axis of said spindle, a spring interposed between said crank arm and commutator for imparting a quick throw to the latter, and a thrust rod having a thrust engagement with said commutator on the rotation of the crank to the same side of its axis of rotation as that on which the commutator lies.

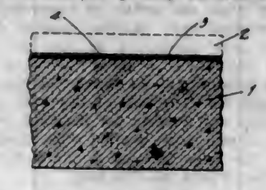
1,628,481. DRYING DRUM. JEAN BAPTISTE VERNAY, Villeurbanne, France. Filed Nov. 27, 1926, Serial No. 151,088, and in France Dec. 5, 1925. 6 Claims. (Cl. 34—5.)



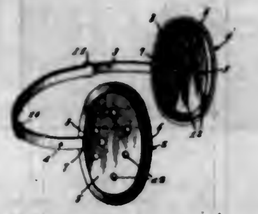
5. A drying apparatus comprising a perforated rotary shaft adapted to be connected with a source of vacuum, a pair of closure plates fixed to said shaft in spaced relation, a group of open-ended coaxial cylinders secured at one end to one plate and terminating short of the other plate, a group of open-ended coaxial cylinders nested within the first group and secured at one end to the second-named plate and terminating short of the first-named plate so as to unite with the first group in providing a zig-zag passage-way for the material from cylinder to cylinder, a chopping device at the inlet end of the innermost cylinder in position for the chopped material to fall therefrom into that cylinder, means for feeding the material to be dried to said device, an air-tight casing enclosing said cylinders and plates, and heating means inside said casing.

1,628,482. PAVEMENT AND PROCESS OF CONSTRUCTING PAVEMENTS. BERTRAND H. WAIT, New Rochelle, N. Y. Filed Mar. 12, 1926. Serial No. 94,212. 9 Claims. (Cl. 94—10.)

1. The process of constructing a monolithic pavement or the like having a stratum therein along which the monolith may be cleft or split, which comprises placing a course of concrete, working the same to produce a mortar surface thereon, placing on said surface a fabricated medium pervious to mortar but substantially impervious to coarse aggregate, and placing thereover a second course before the setting of the first course.



1,628,483. EAR PROTECTOR. GEORGE H. WIEGAND and VIOLA E. WIEGAND, Denver, Colo. Filed Nov. 4, 1926. Serial No. 146,194. 5 Claims. (Cl. 132—45.)

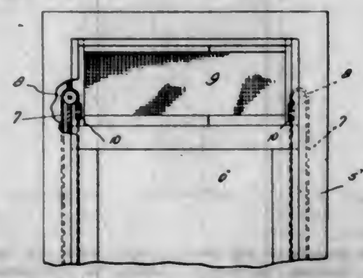


1. An ear protecting device comprising a pair of oppositely disposed protectors, each consisting of a plate formed of rigid material and provided with an inwardly extending edge flange co-extensive with the plate and of flaring contour, said plate formed with a row of spaced openings and with each opening of the row positioned between the center of the plate and the flange, and a holder for said protector, said holder having each end thereof attached to a protector.

1,628,484. DYEING OF ANIMAL FIBERS AND FABRICS OF A PROTEIN NATURE. SAMUEL WRIGHT WILKINSON, Westminster, London, England, assignor to Zair Syndicate, Limited, London, England, a British Company. Filed Sept. 10, 1925, Serial No. 55,617, and in Great Britain Sept. 11, 1924. 4 Claims. (Cl. 8—5.)

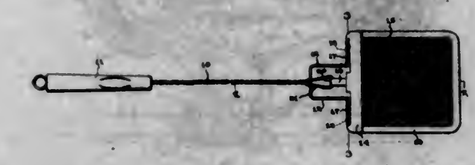
1. A process for dyeing animal fibers of a protein nature comprising the step of treating said fibers with an alkaline solution, subjecting such fibers to the action of ozone, and dyeing the same.

1,628,485. WINDOW SCREEN. ROBERT P. WILLIG, Pittsburgh, Pa. Filed May 20, 1926. Serial No. 110,463. 3 Claims. (Cl. 156—14.)



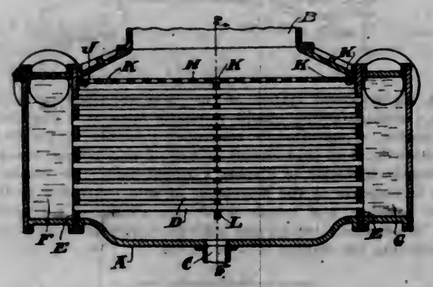
1. In combination with a window screen adapted for positioning within the upper portion of a window frame and adapted to rest on the upper edge of the upper sliding sash, means for operatively connecting the window screen to the inner flights of the usual weight-counterbalancing cord for the upper sliding sash whereby the screen will slide upwardly and downwardly into the frame simultaneous with the actuation of the upper sliding sash.

1,628,486. FLY SWATTER. JOHN AZAMBER, Pittsburg, Kans. Filed Oct. 26, 1926. Serial No. 144,297. 2 Claims. (Cl. 43—137.)



1. A device for the purpose indicated comprising a staff, a flat impact member having a hinged connection with the staff, the impact member having a tongue lying in the same plane with it and extending in the opposite direction from the hinged connection and a resilient member tensioned between the staff and the extremity of the tongue.

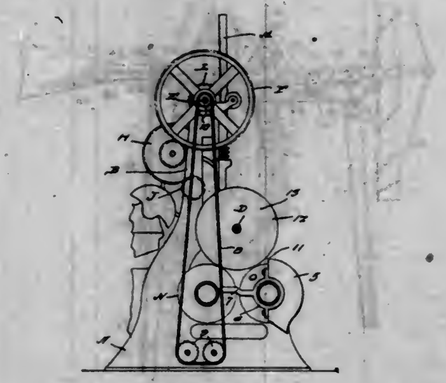
1,628,487. SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 20, 1926. Serial No. 149,652. 3 Claims. (Cl. 257—43.)



1. A surface condenser comprising a casing having a steam inlet and an outlet for uncondensible gases, water tubes within said casing interposed between said inlet and said outlet having portions of unequal specific steam condensing capacity, and means including a perforated plate having openings of graduated size to cause the steam to pass to said portions in proportion to their specific steam condensing capacity.

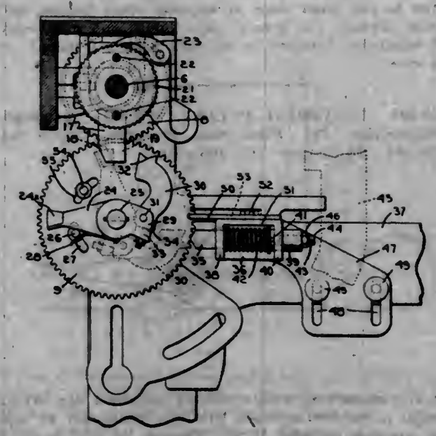
1,628,488. OPERATING APPARATUS FOR SAFETY GUARDS ON ROLL WINDERS OF PAPER MACHINES. EDWARD BOURGOED and ALVIN LEITL, Park Falls, Wis. Filed Aug. 14, 1925, Serial No. 50,284. Renewed Feb. 24, 1927. 2 Claims. (Cl. 74—105.)

2. An apparatus for operating a safety guard on a roll winder; wherein the roll winder includes among other elements a frame, a winder shaft, bearings for the winder shaft slidable in the frame, rack bars leading from the bearings, a shaft journaled in the frame, rack pinions on the last mentioned shaft meshing with the rack bars, and a pair of jacker rollers; comprising a guard revolvable about the axis of one of the rollers, an arm extending from the guard, a pair of sockets



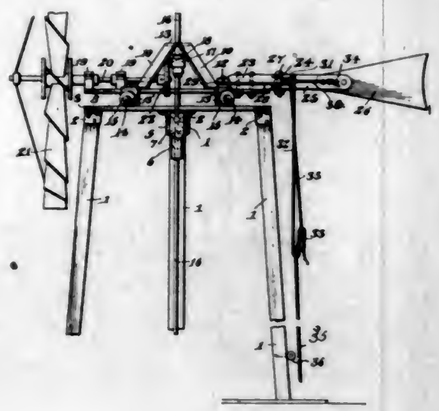
mounted on the frame, a sprocket mounted on the second mentioned shaft, a chain trained over said sprockets and connected with said arm.

1,628,489. INTERMITTENTLY-OPERABLE TAKE-UP MECHANISM FOR LOOMS. HORACE H. BURDETT, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 11, 1925. Serial No. 74,744. 15 Claims. (Cl. 139—24.)



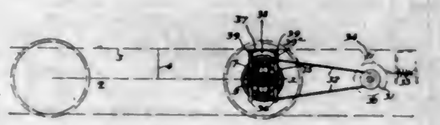
1. Intermittently actuated take-up mechanism for looms having a reciprocating lay, operable to produce transverse re-enforcing stripes in the web of fabric, comprising a take-up roll, continuously rotating means for actuating said take-up roll and means operable conjointly by the lay and said actuating means, at predetermined intervals, to release said take-up roll temporarily from operative relation to said actuating means.

1,628,490. WINDMILL. ARMSTEAD CHAUSSIER, New Orleans, La. Filed May 5, 1926. Serial No. 106,890. 1 Claim. (Cl. 170—46.)



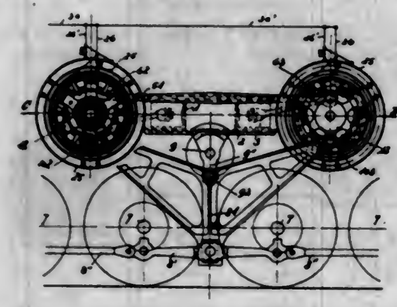
In a windmill structure of the character described, an upright supporting structure having a platform at its top, a power mechanism including a turn table, a spider mounted upon said turn table and having downturned ears depending below said table, journals on said ears, rollers on the journals and adapted to travel upon the platform, means centrally pivoting the spider to the platform, a vane support carried by the turn table, a wind vane having vertical pivotal connection with the support, a wind wheel mounted upon said turn table forwardly of the vane support, rope guides carried by the turn table on opposite sides of the vane support and each having a double hook terminal and a guide eye above the same, and ropes connected to the wind vane at opposite sides thereof and trained through the eyes of said guides and adjustably and detachably fastened in the double hook terminals of such eyes.

1,628,491. UNIVERSAL PULLEY. THOMAS CRAWFORD, Philadelphia, Pa. Filed Sept. 29, 1926. Serial No. 138,487. 13 Claims. (Cl. 105—102.)



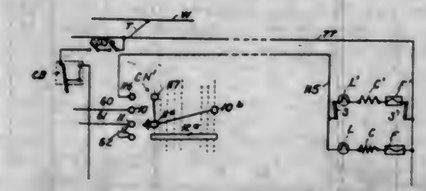
1. In combination with a railway passenger car having a body, a supporting truck pivotally connected to said body, an axle included in the elements of said truck, a resiliently pivoted electric generator on said body, and a driven pulley secured to the shaft of said generator; a longitudinally slidable universal driving pulley on said axle, a belt operatively connecting said pulleys; and means on the said body and engaging the driving pulley for maintaining true operative alignment between said belt and said pulleys, when said truck is moving on a curve and whereupon said truck axle assumes an angular position and moves longitudinally with respect to the shaft of said generator.

1,628,492. DRIVING GEAR FOR LOCOMOTIVES EQUIPPED WITH INTERNAL-COMBUSTION ENGINES. NIKOLAUS DOBROWOLSKI and OTTO GÜNTHER, Esslingen-on-the-Neckar, Germany. Filed Aug. 17, 1925. Serial No. 50,810, and in Germany Nov. 12, 1924. 6 Claims. (Cl. 105—62.)



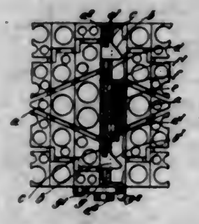
1. Locomotive comprising an internal combustion engine, driving wheels, a crank shaft at each end of said engine, a friction clutch at each end of said crank shafts, and means for transmitting power from said clutches to said wheels.

1,628,493. ELECTRIC SIGNALING SYSTEM. JOHN T. DONAHOE, Chicago, Ill. Filed Aug. 13, 1925. Serial No. 49,943. 4 Claims. (Cl. 177—352.)



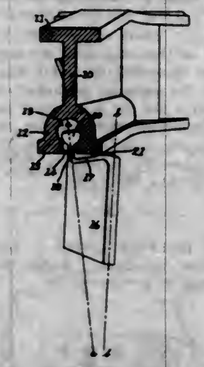
4. An electrical system of the class described comprising a motor-starting circuit normally open at a plurality of points, a motorman's controller movable to its first position to close said circuit at one of said points, means normally operative to display a signal before the conductor in response to the movement of said controller to its first position, and means under the conductor's control for subsequently completing said starting circuit and discontinuing the display of said signal.

1,628,494. FASTENING FOR BRACELETS, NECKLACES, AND OTHER ARTICLES OF JEWELRY. ANDREW DOWNES, London, England, assignor to Cartier Limited, London, England, a British Company. Filed Dec. 28, 1926, Serial No. 157,554, and in Great Britain Jan. 19, 1926. 8 Claims. (Cl. 24—230.)



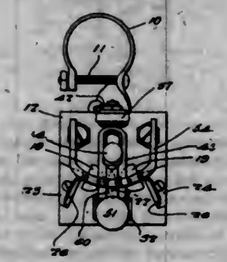
1. A fastening device for bracelets, necklaces and other articles of jewelry comprising inter-connecting parts on the contiguous faces of the two members, a sliding catch adapted to engage the inter-connecting parts to lock the same, a plunger associated with said sliding catch and adapted when actuated to unlock the said parts and means adapted to engage the plunger so as to prevent accidental actuation thereof.

1,628,495. RABBLE AND RABBLE ARM FOR FURNACES. FRANK A. FAHRENWALD, Chicago, Ill. Filed Jan. 16, 1926. Serial No. 81,764. 3 Claims. (Cl. 259—134.)



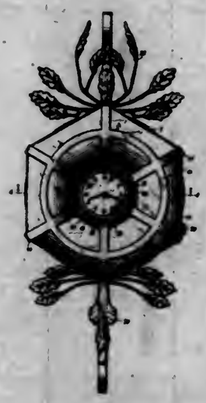
1. A rabble arm approximately I-shaped in cross section, the foot of the I being thickened and hollowed out and the bottom face being slotted, and scrapers having elongated heads received in the hollow and neck portions traversing the slot and blades depending from the arm, each blade making an oblique horizontal angle with its head.

1,628,496. SWITCH CONSTRUCTION. HARRY W. FAUST, Greenville, Ohio. Filed Dec. 21, 1925. Serial No. 76,696. 5 Claims. (Cl. 200—4.)



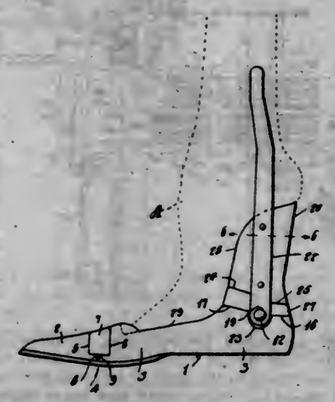
1. A switch comprising a base, a main contact post, a pair of headlight controlling contacts on the base, a pair of tail light controlling contacts on the base adjacent the respective headlight controlling contacts, a spot light controlling contact on the base directly rearwardly of the main post, a horn controlling contact on the base arranged forwardly of the contact post and between the aforementioned tail light controlling contacts, a lever pivoted at its rear end on the post, said lever adapted to connect the adjacent pairs of headlights and tail light controlling contacts when swung on its pivot, the lever being further adapted for slidable movement whereby the rear end thereof is brought into engagement with the spot light controlling contact, a contact carried by the forward end of the lever and adapted to engage the horn controlling contact when the forward end of the lever is depressed, and means for normally holding the last mentioned contact out of engagement with the horn controlling contact.

1,628,497. DEVICE FOR ILLUMINATING CLOCKS OR THE LIKE. MAUD C. FOX, New York, N. Y. Filed Aug. 24, 1925. Serial No. 52,241. 6 Claims. (Cl. 240—2.)



1. The combination of a skeleton-like frame having an approximately centrally arranged opening in its forward end, a lining of translucent material in said frame, said lining having an aperture registering with the central opening in said frame, lighting devices mounted in said frame laterally of said central opening, and an article supported in said frame at a distance from said opening and illuminated by said lighting devices.

1,628,498. ARTIFICIAL FOOT. GEORGE M. FRINK, Camden, N. J. Filed Nov. 5, 1925. Serial No. 67,052. 4 Claims. (Cl. 3—5.)



1. An artificial foot comprising a platform, a heel rest mounted on the platform, arms pivotally secured to the platform and rigidly secured to the heel rest, and a cushion interposed and completely filling the space between the platform and heel rest.

1,628,499. DENTAL APPLIANCE. BERNHARD JOESCH, St. Louis, Mo. Filed Oct. 20, 1924. Serial No. 744,610. 1 Claim. (Cl. 32—34.)

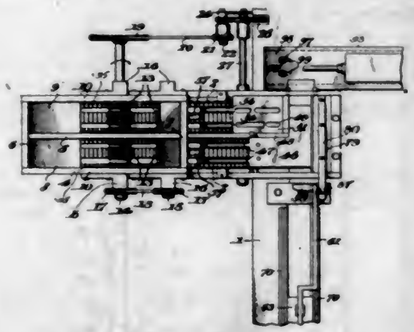
A dental appliance comprising crossed pivoted members, one of which curves toward the extremity of the other, a disc, a lug on said disc, a pivot element passing through said other member and through said lug preventing said

disc from turning laterally toward the upper and lower sides of said other member and permitting said disc to swing toward and away from the inner side of said other member, and an elastic cover enclosing the outer end of



said other member and enclosing said disc beyond the extremities of said two members and extending inwardly from the outer edge of said disc on the side of said disc that is toward said curved member.

1,628,500. FEEDING MECHANISM FOR CIGARETTE-PACKAGING MACHINES. IGNACIO LAZAGA, Habana, Cuba. Filed Mar. 25, 1926. Serial No. 97,323. 11 Claims. (Cl. 226—5)



6. Feeding mechanism for packaging machines including a transfer head having notches formed therein, means for feeding articles into the path of said transfer head to be engaged thereby, a cover plate and studs adjustably carried by said cover plate and extending into the path of the notches in the transfer head for holding articles in their bunched position until engaged by said head.

7. Feeding mechanism for packaging machines, including a feed hopper, endless conveyors for feeding the articles from said hopper along substantially the same horizontal plane, and means for receiving and directing the articles from each of the endless conveyors along a different horizontal plane from the articles delivered from the remaining conveyors.

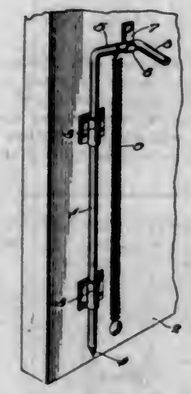
9. Feeding mechanism including a compartment, a plunger for feeding articles through said compartment, a reciprocating cross head pivotally connected with said plunger, and resilient means for normally holding said plunger out of alignment with the compartment.

1,628,501. REMOVABLE CROSSBAR FOR BUCKLES. IRVING R. LEDERER, Providence, R. I. Filed June 23, 1926. Serial No. 117,903. 4 Claims. (Cl. 24—265)



1. In a device of the character described having a pair of perforated side arms, a tubular cross bar extending between said arms, a pivot pin in said tube of a diameter less than that of the inside of the tube and of a length greater than that of the tube with its opposite end portions extending in substantially axial alignment beyond both ends thereof, the ends of the tube being reduced to form central bearings for the protruding ends of the pin, and the body of said pin being offset laterally within the tube to frictionally engage the walls thereof and permit of a relative endways movement and be retained in adjusted position within the tube.

1,628,502. DOOR HOLDER. FRED A. LETZAU, Lansing, Mich. Filed Jan. 10, 1923. Serial No. 611,794. 1 Claim. (Cl. 292—175.)

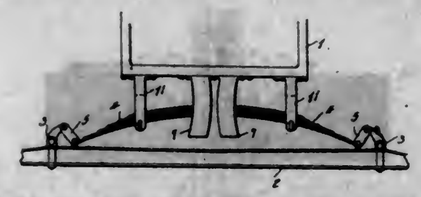


In combination with a retaining member including spaced guide brackets, a rod slidably mounted within said brackets, a penetrating point on one end of said rod, the other end of said rod bent transversely to the body portion to provide a substantially horizontal portion, a saddle attached to the door or gate in which the portion which is horizontal, rests when in an operative position, the extreme end of the rod beyond the horizontal portion being bent at right angles to said horizontal portion to form a handle, and a coil spring having one end secured to the door or gate adjacent the pointed end of the rod extending parallel with the rod and having its end engaged with the horizontal portion for reciprocating the rod within the brackets upon releasing the same from the saddle.

1,628,503. SHOCK ABSORBER. JOSEPH LEVESQUE, Nashua, N. H. Filed Apr. 29, 1924. Serial No. 709,828. 1 Claim. (Cl. 267—28.)

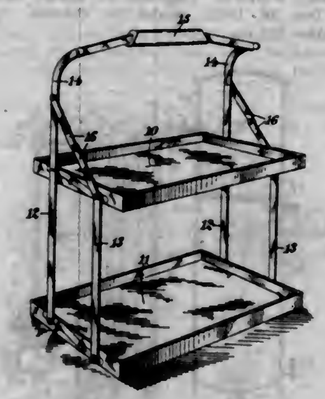
Shock absorbing means comprising oppositely disposed quarter springs shackled at their outer ends to an axle of the vehicle, oppositely curved hangers depending from the vehicle body and receiving the inner ends of the respective quarter springs, helical springs disposed within each of the hangers, the one above and the other below the quarter springs, and brackets depending from the vehicle body and loosely engaging the quarter springs and

acting jointly with the hangers to prevent fore and aft movement of the quarter springs while at the same time admitting of free vertical movement thereof to com-



pensate for shock, vibration and jolt, said brackets being relatively close to the sides of the body and materially spaced from the hangers.

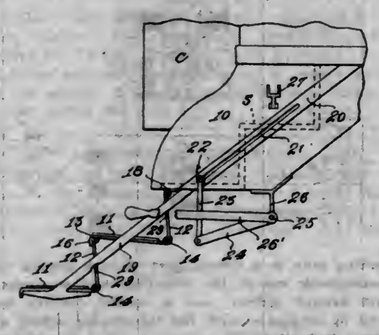
1,628,504. CAKE STAND AND LIKE PORTABLE STAND. EDWARD STANISLAUS LOUIS, London, England. Filed Feb. 25, 1925. Serial No. 11,601, and in Great Britain Mar. 10, 1924. 4 Claims. (Cl. 211—14.)



1. A portable collapsible stand comprising in combination a rectangular tray arranged to rest on the ground and to constitute the base of the stand, parallel vertical links arranged in pairs at opposite ends of the tray aforesaid, with the members of each pair spaced apart in the end plane containing them and pivotally connected at their lower ends to the marginal portions of the tray in such manner as to permit of swinging movement of the links in the aforesaid end plane, a second tray similar to the bottom tray and supported by the upper ends of the links aforesaid in a horizontal position directly above the bottom tray, the links being pivotally connected to the upper tray in like manner to their connection with the lower tray and the spacing between the two trays being approximately equal to the width of each tray, extension pieces forming upward continuation of corresponding links at opposite ends of the stand, said extension pieces being curved in such manner that their extremities lie over the centre line of the upper tray, a cross-piece interconnecting the extremities aforesaid, and two pairs of knuckle-jointed straps operatively connected between said extension pieces and the upper ends of the adjacent unextended links.

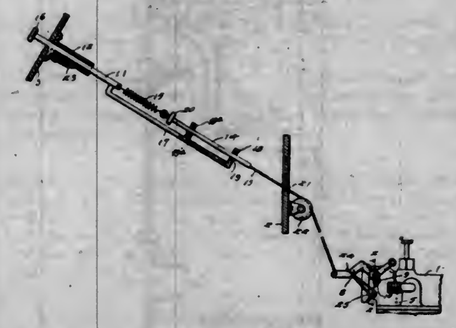
1,628,505. EXTENSION STEP. ERNEST R. LUNDQUIST, Lincoln, Nebr. Filed Sept. 24, 1926. Serial No. 137,562. 5 Claims. (Cl. 105—448.)

1. The combination with main steps, of auxiliary steps hingedly secured to the main steps, means hingedly connecting the risers and treads of the auxiliary steps to permit the said auxiliary steps to fold upward beneath the main steps, and an inclined bar extending upwardly and inwardly from each side of the lowermost auxiliary step, means at opposite sides of the main steps to slidingly receive the bars, a rock shaft extending transversely across and supported beneath the main steps, an arm



secured to one end of the rock shaft, a link connecting the arm and one of the inclined bars, whereby rocking movement of the shaft will move the bars longitudinally to fold or extend the auxiliary steps, an operating lever secured at one end of the shaft and means to hold the lever against operation.

1,628,506. APPARATUS FOR CONTROLLING THE AIR SUPPLY OF CARBURETORS. CHARLES R. LYMAN, Center Point, Iowa. Filed Sept. 16, 1926. Serial No. 135,897. 4 Claims. (Cl. 137—139.)

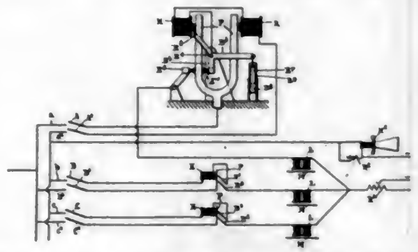


4. In combination, a carburetor, a valve positioned within the air intake passage of the carburetor, a member connected to the valve, a spring connected to the member, and an adjustably mounted rod slidably supporting said member and connected to the spring.

1,628,507. KEYBOARD MUSICAL INSTRUMENT WITH ELECTROMAGNETIC OPERATION. ALCIDE HECTOR MAITRE and VICTOR HENRI GASTON MARTIN, Rouen, France. Filed Sept. 20, 1923, Serial No. 663,806, and in France Sept. 21, 1922. 3 Claims. (Cl. 84—409.)

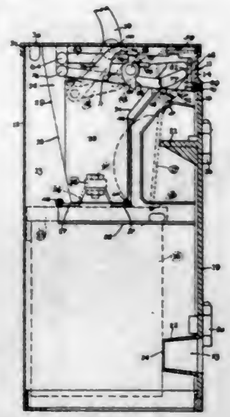
1. A keyboard musical instrument with electromagnetic operation, comprising a circuit common to all the notes of the instrument and a key for each note, contacts actuated by said key, a branch circuit, an interrupter device controlled by said contacts and adapted to interrupt the flow of current in this branch circuit at the desired frequency corresponding to this note, a part of circuit common to a group of notes, sound reproducing devices mounted in said common part of circuit, and

a first contact member adapted to cooperate with the interrupter device in a part of each branch circuit corresponding to a note and to distribute pulsations of current to said sound reproducing devices, together with a vibrating sonorous body tuned in unison with the cor-



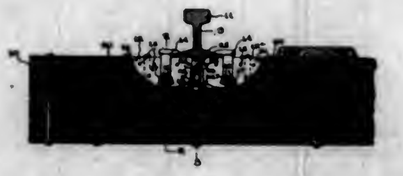
responding note in a second part of each branch circuit, electromagnetic means for vibrating said sonorous body in said branch circuit, and a second contact member adapted to cooperate with the interrupter device and to distribute pulsations of current to said electromagnetic means in each branch circuit, for the purpose described.

1,628,508. FARE BOX. MICHAEL C. MCELLIGOTT, Preston, Ontario, Canada, assignor to The Cleveland Fare Box Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 10, 1923. Serial No. 661,889. 5 Claims. (Cl. 232—15.)



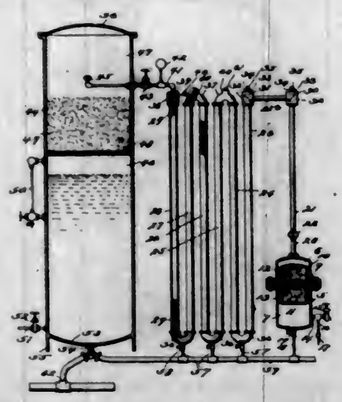
1. In a fare box, the combination with a rectangular casing and a receptacle insertable therein, said receptacle and casing being formed with interfitting projections whereby the receptacle is guided in its movement, of a cover hinged to said receptacle upon a transverse axis, laterally projecting ears carried by said cover, guideways formed in the wall of said casing and inclined away from the path of movement of said receptacle and adapted to receive said ears on the insertion of said receptacle so as to guide the cover to an open position, a ratchet wheel pivoted to the wall of said casing at the upper end of said guideway and having teeth adapted to receive said ears upon the insertion of said receptacle, a stud carried by said casing and supporting said ratchet wheel, a pawl concealed by said ratchet wheel engaging said ratchet wheel and preventing the retrograde movement thereof, and a second guideway formed in the wall of said casing and adapted to receive said ears upon the withdrawal of said receptacle and shaped to force said cover to closed position.

1,628,509. ANCHOR BLOCK FOR RAILROAD TIES. GEORGE F. A. OCHS, Newark, N. J. Filed Aug. 18, 1926. Serial No. 130,053. 3 Claims. (Cl. 238—265.)



1. A railroad tie having anchor blocks embedded therein below the top face thereof, each anchor block comprising complemental sections, and a fastener interposed between said sections at their adjoining ends, said fastener being removably engaged with the tie and in bearing engagement with said sections.

1,628,510. APPARATUS FOR FILTERING AND PURIFYING WATER. CHARLES H. PERRY, Miami, Fla. Filed Dec. 26, 1922. Serial No. 609,003. 4 Claims. (Cl. 210—131.)

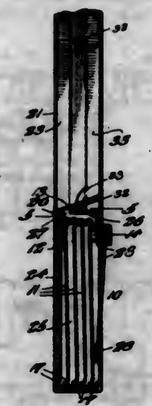


1. An apparatus for filtering and purifying water, comprising a centrally located series of upright filtering pipe conduits connected at their upper and lower extremities by connecting bends, the said pipe conduits and bends being all filled with filtering material and the pipe conduits being in parallel relation, inlet and outlet filtering mediums connected to the first and last pipe conduits of the series, the inlet medium being provided with means for admitting air under pressure and creating a uniformity of pressure within all the conduits approximating that of the water to be filtered, and the outlet medium having storage means for the filtered water.

1,628,511. COLLAPSIBLE SLIDING CLOSURE. GEORGE E. PETERSEN, Bristol, Pa. Filed June 23, 1924. Serial No. 721,849. 17 Claims. (Cl. 189—60.)

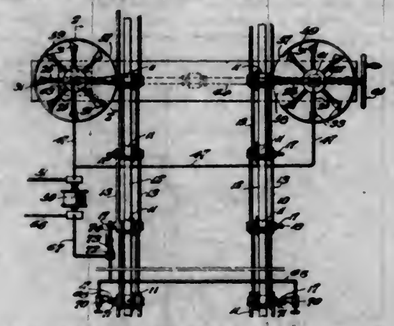
1. A collapsible closure for openings, consisting of a frame having a receptacle or magazine at one end and slots forming fixed guides respectively in two opposite sides opening into said magazine, a shutter formed of a plurality of sections arranged in collapsed condition to fit side by side in said magazine and in an extended position to lie substantially in the same plane with opposite ends of each section seating respectively in said guides, connections between adjacent shutters arranged to interlock by movement of said shutters in one direction and to release by movement of said shutters in an

opposite direction, said connections fitting said guides for free sliding movement but held against movement transverse of said guides, and spring means normally



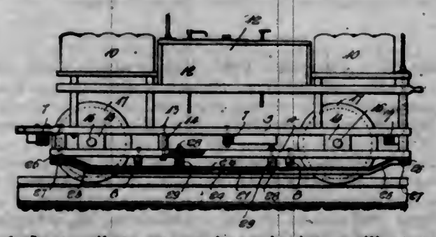
maintaining said sections pressed together whereby upon the removal of one section from said magazine another section is automatically moved to removal position.

1,628,512. CONVEYER LUBRICATOR. GEORGE E. PETERSEN, Bristol, Pa. Filed July 18, 1924. Serial No. 726,894. 7 Claims. (Cl. 184—2.)



1. In a lubricating mechanism, a head having a discharge port, a source of oil under pressure communicating with said head, a plurality of nozzle members arranged to move one at a time in communication with said port, a spring pressed follower provided with a port in each nozzle, and oil conveying means on said conveyer arranged to move said nozzles and engage the respective followers whereby the parts of said conveyer are lubricated without leakage.

1,628,513. RAILWAY MOTOR CAR. HAWKINS E. ROBERSON, Garner, Tex. Filed Jan. 18, 1926. Serial No. 82,103. 5 Claims. (Cl. 105—162.)

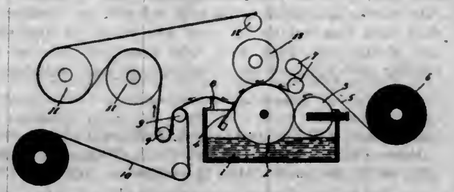


1. In a railway car, a frame having a sill at each side, flanged wheels lying outside the sills, and rails extending longitudinally beneath and terminally secured to the sills and having body portions depending from the sills throughout the distance between the front and rear wheels, said body portions of the rails lying in a plane parallel with and close to and just above the plane of the lower surfaces of the track engaging peripheries of the wheels.

1,628,514. BOILER COMPOUND. FREDERICK ROBINSON, Seaforth, Ontario, Canada. Filed Nov. 19, 1925. Serial No. 70,192. 1 Claim. (Cl. 87—27.)

A boiler compound consisting of 8 ounces of bichromate of potash, 1 lb. lye, 6 lbs. caustic soda, 2 lbs. sal soda and 2 lbs. soda ash.

1,628,515. PROCESS OF CRINKLING AND REENFORCING PAPER. WILLIAM WALLACE ROWE, Cincinnati, Ohio, assignor to The Paper Service Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 18, 1924. Serial No. 726,709. 5 Claims. (Cl. 154—33.)

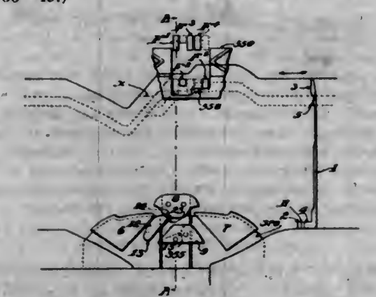


1. That process of creping dry paper, without the use of moisture or adhesive requiring drying, which consists in applying a heat plastic bituminous substance to the paper, bringing said substance to a position of adhesion of a creping roll, so as to bind the paper thereto, and removing the paper with a creping knife so as to crepe the same.

1,628,516. RIM-TREATMENT PROCESS. JOSEPH B. SCOTT, Freeport, Ill. Filed Nov. 28, 1924. Serial No. 752,800. 4 Claims. (Cl. 134—1.)

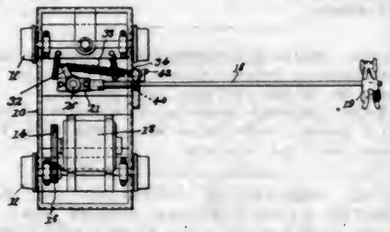
1. The process of treating motor vehicle wheel rims to prevent sticking of the tire to the metal rim which consists in applying a rim compound comprising beeswax and graphite.

1,628,517. SECTIONAL-SPLICING MECHANISM FOR KNITTING MACHINES. ROBERT W. SCOTT, Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated, a Corporation of Massachusetts. Filed May 3, 1915. Serial No. 25,492. 20 Claims. (Cl. 66—49.)



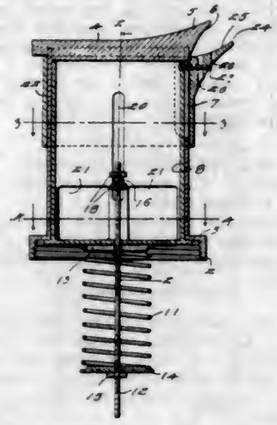
1. A knitting machine having in combination needles, a stitch cam, means for delivering a body yarn and a splicing yarn from different distances in advance of said stitch cam to said needles, whereby said needles normally take both of said yarns, and means in advance of said stitch cam for selectively moving certain of said needles only to a position in which said needles and said splicing yarn will come into contact in an inoperative relation.

1,628,518. DISAPPEARING RABBIT FOR DOG RACES. JOHN L. SHAUGHNESSY, Harvey, Ill., assignor of one-half to James V. Mondi, Chicago, Ill. Filed July 23, 1926. Serial No. 124,474. 4 Claims. (Cl. 272—4.)



1. A device as described, comprising a carriage having a fulcrum thereon, a rabbit carrying arm having a pivotal and axial movement with respect to said fulcrum, yieldable means associated with said fulcrum for tending to shift said arm axially to cause the rabbit to disappear, and means associated with said arm and fulcrum for causing rotary movement of the arm on axial shifting.

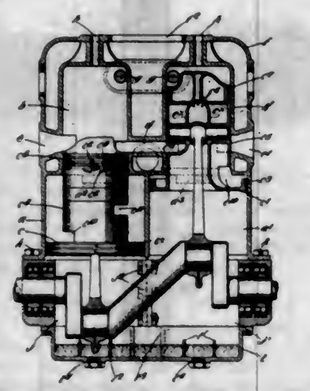
1,628,519. SELF-CLOSING SAFETY-FILLING CAP. JOHN ALBERT SHOUP, Battle Creek, Mich. Filed May 27, 1926. Serial No. 112,174. 6 Claims. (Cl. 220—86.)



1. A cap for liquid containers, comprising a hollow body closed at its upper end and open at its lower end and provided in its side with a filling opening, a hollow valve slidably arranged within the body and closed at its lower end and provided in its side with a port, a spring normally supporting the valve within the body to permit the valve to close the filling opening and the body to close the port, and an element located outwardly of the body and connected to the valve and adapted to permit the valve to be moved downwardly against the tension of the spring to uncover said opening and port.

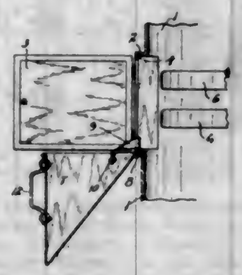
1,528,520. TWO-STROKE-CYCLE INTERNAL-COMBUSTION ENGINE. CHARLES STEWART HASTINGS SNOW, Croydon, England, assignor to N. I. C. E. Limited, London, England. Filed Dec. 12, 1924. Serial No. 755,507, and in Great Britain June 4, 1924. 5 Claims. (Cl. 123—59.)

5. In a two-stroke cycle internal combustion engine, a pair of pump cylinders, a pair of working cylinders in communication therewith and also connected together by a short transfer passage, pump pistons and working pistons working in the said cylinders respectively, mixture inlets being formed in the walls of the pump cylinders, the said pistons being recessed at their lower ends to accommodate the connecting rods and having their remaining portions made hollow in substantially U-form and completely cut off from the crank case, the said hollow portion opening



out into oppositely disposed ports which permit the compressed mixture to be transferred through the piston and through the transfer passage into the adjacent working cylinder, and a by-pass connecting the cylinders together whereby the transfer of the mixture can be controlled and whereby also the engine can be throttled.

1,628,521. SOOT RECEPTACLE. PAUL W. THAYER, Minneapolis, Minn. Filed Dec. 14, 1922. Serial No. 606,839. 5 Claims. (Cl. 126—280.)

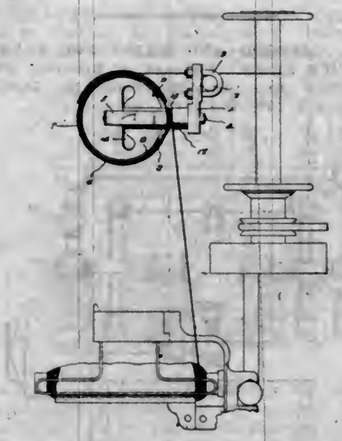


1. A device for collecting soot and dirt removed through a furnace door, comprising a comparatively deep receptacle adapted to be disposed against the front of the furnace, having means constructed and arranged to be disposed beneath and engaging the under said side of the door casing of said furnace, and having spaced means constructed and arranged to project into the door casing, said latter means projecting laterally in opposite directions to engage the interior of the door frame.

1,628,522. PROCESS FOR THE PRODUCTION OF CERAMIC PRODUCTS. WILHELM VERSHOFEN, Bamberg, Germany. Filed Sept. 26, 1923, Serial No. 665,609, and in Germany Sept. 27, 1922. 5 Claims. (Cl. 106—11.)

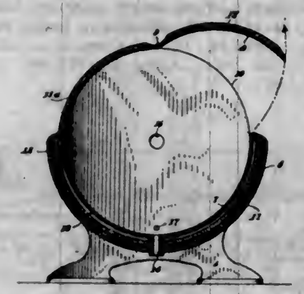
1. The process of making sintered clay articles which comprises adding a soluble fluoride to the clay, increasing the free silica which may be present in the clay to an amount sufficient to ensure the silicating or cementing action of said fluoride and thereby to act as a binder on sintering, and sintering at a lower temperature than is required for the clay alone.

1,628,523. YARN CLEANER. VINCENT WAITKUS, Baltimore, Md. Filed May 11, 1923. Serial No. 638,865. 5 Claims. (Cl. 28—67.)



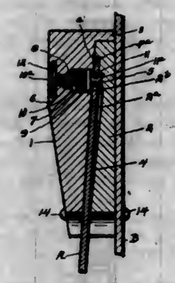
1. A yarn cleaning device comprising a screen-like surface formed of spaced wires over which the yarn passes on its way to its holder, means for cleaning the surface of matter removed from the yarn, such cleaning means consisting of a fan actuated by the movement of the yarn.

1,628,524. JACKETED CASING. DEAN BROWN BECKER, Fort Atkinson, Wis. Filed Apr. 23, 1925. Serial No. 25,338. 1 Claim. (Cl. 257—208.)



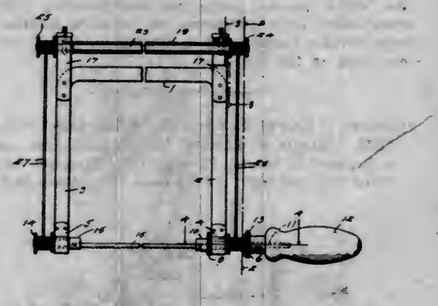
A casing of the type described, comprising a stationary horizontal cylinder of heat conducting material adapted at its ends to have an article receiving drum journaled therein and provided with a top door, a heat insulating covering on the cylinder and its door, said heat insulating covering being spaced from the lower portion of the cylinder to form a pressure jacket therebetween, and inlet and outlet connections for said jacket by means of which a cooling or a heating medium may be passed therethrough, a pair of standards, and a substantially semi-cylindrical protector shell mounted at its ends on said standards and surrounding the jacket forming portion of the heat insulating cylinder covering.

1,628,525. MINE-CAR CHECK LOCK. CHARLES E. BELL, Charleroi, Pa., assignor of one-half to Thomas H. Robinson, Donora, Pa. Filed Aug. 26, 1924. Serial No. 733,168. 3 Claims. (Cl. 40—15.)



1. In a mine car check lock, a body provided with a slot for reception of a mine car check, and a spring pressed bolt normally projected across the slot, said bolt having its inner end portion beveled to permit the bolt to be forced outwardly by a check inserted into said slot, one side of the slot increasing in depth from the outer end of said slot to within a short distance of the bolt and providing a shoulder extending transversely of the slot in advance of the bolt.

1,628,526. COMBINATION HACK AND SCROLL SAW. ELLIS J. BOYD, Oak Park, Ill. Filed Feb. 7, 1925. Serial No. 7,656. 1 Claim. (Cl. 145—33.)



A saw comprising a frame having a cross bar and parallel arms, drums journaled on the outer ends of the arms, saw clamps fixed to the drums, brackets secured to the arms adjacent the cross bar and extending outwardly beyond the cross bar, blocks, means adjustably securing the blocks to the brackets, a tube located between and secured to the blocks, a shaft journaled in the tube and projecting therefrom outwardly beyond the arms, drums fixed to the ends of the shaft in alinement with the first named drums, and cables connecting the first named drums to the second named drums, said blocks being used to raise or lower the tube thereby loosening or tightening the cables.

1,628,527. PROJECTILE FOR SMOOTH-BORE GUNS. EDGAR WILLIAM BRANDT, Paris, France. Filed Feb. 19, 1925. Serial No. 10,413, and in France Jan. 12, 1925. 11 Claims. (Cl. 102—29.)

1. A projectile for smooth-bore guns comprising a body having an ogival front part and a truncated conical rear

part connected at their bases, a fuse secured to said front part and a fin carrying tail part, the total length of said projectile being comprised between 3.8 and 4 calibres

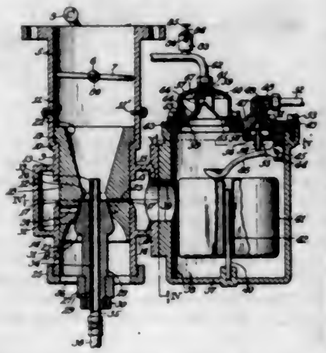


the length of the rear part of the body being comprised between 1,8 and 2 calibres and the length of the said tail part being less than 1 calibre.

1,628,528. AGE-RESISTING RUBBER COMPOUND AND PROCESS OF MAKING SAME. ERNEST R. BRIDGWATER, Wilmington, Del., and DONALD HOWARD POWERS, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 3, 1926. Serial No. 120,516. 11 Claims. (Cl. 18—50.)

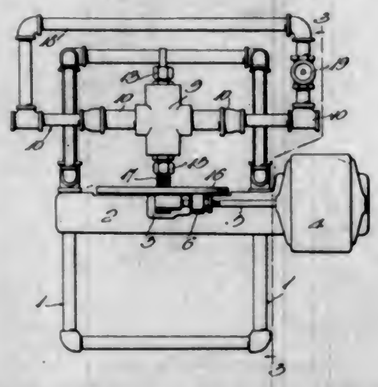
1. The process of preserving a cured rubber composition which process comprises incorporating with said composition, prior to curing, an intimate mixture of a finely divided powder and a substance adapted to retard the aging of the rubber.

1,628,529. VENTURI-VACUUM FUEL-CONTROL SYSTEM. MARTIN C. BRIGHT, Indianapolis, Ind., assignor to Bernard B. Carlin, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,895. 11 Claims. (Cl. 158—36.1.)



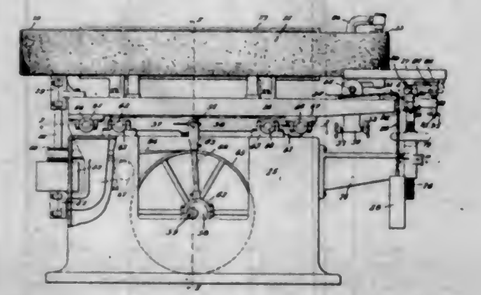
1. An explosion engine fuel control system including a fuel-feed reservoir having a lateral feed-chamber, a fuel-inlet for the reservoir, means in the reservoir to automatically control the fuel-inlet, a shifting Venturi tube having a port to conduct fuel from the feed-chamber and into the tube, an atomizing device in the Venturi tube, a mixing tube, a section conduit having connection with the reservoir, an alternating vacuum conduit extending from the interior of the Venturi tube, and cooperating means for controlling the shifting Venturi tube and for alternatively connecting the suction conduit with the mixing tube and the vacuum conduit with the suction conduit.

1,628,530. METHOD AND MEANS FOR CLEANING OUT PIPE LINES. CHARLES A. BURNETT, Elkhart, Ind. Filed Apr. 16, 1925. Serial No. 23,627. 4 Claims. (Cl. 137—70.)



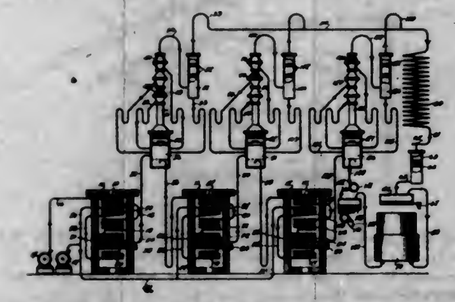
1. A method of cleaning a partly clogged liquid pipe of a liquid conducting system without removing said pipe from the system and using only the pressure of the system-contained liquid supplied to said pipe, said method consisting in repeatedly opening and closing the pipe in quick succession to passage of said liquid, the latter being free to enter the pipe under its normal pressure when the pipe is opened to discharge loosened scale and sediment.

1,628,531. OSCILLATING BELT SANDER. GEORGE H. CARLSON, Rockford, Ill., assignor to Redin, Ekstrom & Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 26, 1924. Serial No. 701,929. 6 Claims. (Cl. 51—142.)
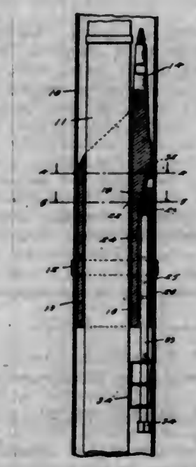


4. A sander comprising, in combination, a driving and an idler roll, an endless flexible band of abrading material trained on said rolls, a bed upon which said rolls are supported, a platen mounted on said bed behind said band, a table for supporting work in operative relation to the periphery of said band, means for revolving the driving roll, a base, a pair of levers supported on said base and connected with the bed and adapted to be operated in a rocking motion to reciprocate it and thereby impart bodily transverse reciprocation to the traveling-band, and springs operative between the base and bed for counterbalancing the latter and the parts thereon.

1,628,532. TREATING HYDROCARBON OILS. WILLIAM L. COULTAS, Jr., Sanford, N. Y. Filed July 12, 1920. Serial No. 395,468. 2 Claims. (Cl. 196—62.)



1. A method of treating hydrocarbon oils, which comprises providing a plurality of furnaces each containing oil-heating coils for the purpose of subjecting the oil passing therethrough to gradually increasing exterior temperatures whereby the oil is treated progressively to the temperature of vaporization, introducing free hydrogen into the oil in the coils of each furnace at the point where the oil has reached the vaporization state, said hydrogen being of a temperature of approximately 1400° F., whereby vapors of new hydrocarbons are thus formed, passing the vapors thus produced from each furnace into separate distillation columns, condensing the vapors of high boiling point, fractionating out the vapors of low boiling point in each column, and passing the condensate of high boiling point from each column to a second furnace for repeating the above steps.

1,628,533. COMBINED COLLAR BUSTER AND CASING SPEAR. PAUL DIETRICH, Apperson, Okla. Filed Sept. 16, 1924. Serial No. 738,099. 1 Claim. (Cl. 166—1.)



A well tool of the character specified comprising an eccentric bore to slip over the inner pipe and having a relatively thick side portion, a shank attachable to a jarring rod and extending from said side portion and disposable between the inner pipe and well casing, said body having a side portion being cut away and the bottom of the cut away portion inclined and provided with a groove having an end portion enlarged and a portion with its opposite walls under cut, a dog having a rib to enter the enlarged portion of said groove and engage the under cut portion thereof, and a keeper applied to the body to prevent registering of the rib of the dog with the enlarged portion of the said groove to prevent casual displacement of the dog.

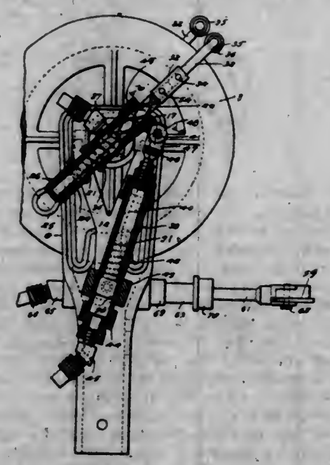
1,628,534. INDOPHENOL AND PROCESS OF PRODUCING THE SAME. JOSEPH G. DINWIDDIE, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 18, 1924. Serial No. 700,166. 8 Claims. (Cl. 260—55.)

2. The process of producing an indophenol which comprises condensing carbazole with a nitrosophenol at a temperature at all times substantially below —4° C.

1,628,535. PROCESS FOR THE PURIFICATION OF ABIETIC ACID. GEORGES HONORÉ DUPONT, Bordeaux, France. Filed Apr. 23, 1925, Serial No. 25,434, and in France Apr. 28, 1924. 2 Claims. (Cl. 260—122.)

1. A process for purifying abietic acid, consisting in dissolving raw abietic acid in a solvent thereof, adding to the solution a quantity of an alkali sufficient to neutralize exactly one fourth of the raw abietic acid contained in the solution and in separating from the solution the acid abietate thus formed.

1,628,536. AUTOMATIC SAFETY TROLLEY. PATSY FASSON, Mount Pleasant, Pa., and DANIEL FASSON, Rochester, N. Y. Filed Apr. 30, 1925. Serial No. 26,975. 14 Claims. (Cl. 191—79.)

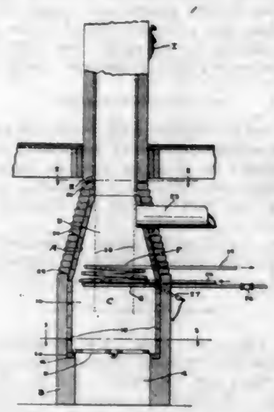


1. A trolley wheel guard comprising retaining arms, shafts to which the arms are secured, and means for supporting the shafts for endwise and rotative movements.

1,628,537. DWELLING INCINERATOR. HARRY F. FISHER, St. Paul, Minn. Filed July 26, 1924. Serial No. 728,442. 1 Claim. (Cl. 110—18.)

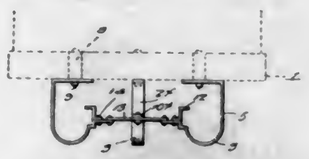
An incinerator including a combustion chamber, a chimney connected to said combustion chamber adapted to receive refuse therethrough and to carry off the gases from said combustion chamber, an opening in said chim-

ney to receive refuse into said incinerator combustion chamber, and a coil fuel oil burner extending into said combustion chamber in a manner to allow the refuse



to pass therethrough and to spray fuel oil over the refuse introduced therein to consume entirely the refuse in said incinerator.

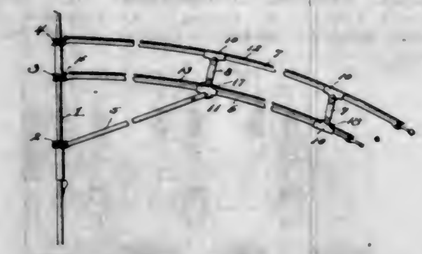
1,628,538. TIRE CARRIER. RALPH F. FREEMAN, Ashland, Kans., assignor of one-half to Robert D. Smith, Ashland, Kans. Filed Apr. 14, 1926. Serial No. 101,996. 3 Claims. (Cl. 224—29.)



1. In combination, a vehicle body or frame, cradles disposed under the body or frame and spaced apart, each of said cradles having a longitudinally slotted arm opposed and adjustably connected to the underside of the body or frame and also having a pendent arm and a concavo-convex portion at the lower end of the pendent arm and a right angle seat at the opposite end of said concavo-convex portion and a longitudinally slotted arm extending inwardly from said seat, angular retainers arranged above the seat of said cradles and connected to the inwardly extending arms thereof, a tie bar adjustably connected to the inwardly extending arms of the said cradles, and an auxiliary cradle disposed at an angle to the first-named cradles and the said tie bar and having an upper bar adjustably connected with the body or frame and a pendent arm on said bar and a concavo-convex portion at the lower end of said pendent arm, and an angular seat at the opposite end of the concavo-convex portion and an arm into which said seat is merged, said arm adjustably connected with the said tie bar.

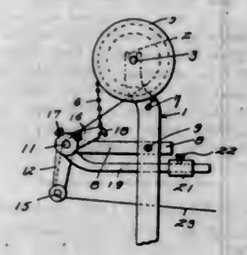
1,628,539. DUPLEX UMBRELLA. WILLIAM GEORGE GREY, Baltimore, Md. Filed Feb. 24, 1925. Serial No. 11,286. 3 Claims. (Cl. 135—20.).

3. In an umbrella a staff, inner and outer sets of ribs foldable relatively to said staff and normally spaced apart when unfolded, means connecting adjacent ribs of said sets for maintaining them in substantial parallelism throughout all positions of said ribs, said means being disconnectable from the ribs of one set to permit the outer set of ribs to be folded upwardly independently



of the inner set of ribs, and independent covers for said sets of ribs, the inner cover being replaceable by passing it over the upper set of ribs when the latter are upwardly folded.

1,628,540. LET-OFF MECHANISM FOR LOOMS. ROLAND M. HUGHES, Clinton, S. C., assignor of one-half to Richard E. Ferguson, Clinton, S. C. Filed Oct. 24, 1925. Serial No. 64,638. 1 Claim. (Cl. 139—109.)

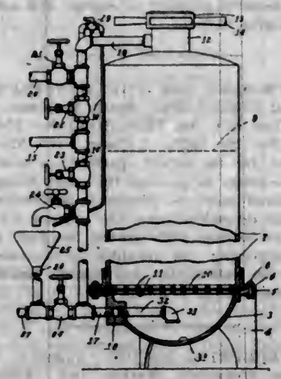


A let-off mechanism for looms comprising, in combination with a warp beam, supports therefor and a friction pulley fixed to the warp beam, of horizontal brackets fixed to and extending rearwardly from the supports immediately below the warp beam, a rod journaled in the rear ends of the brackets, a lever fixed to and extending upwardly and forwardly from the rod and provided at its upper end with a hook, a friction chain passing about the pulley and secured at one end to one of the supports and having its other end engaged with the hook of the lever, a weighted lever fixed to and extending downwardly and thence forwardly from the rod, levers fixed to and extending down from the rod, and a rod journaled in the lower ends of the last named levers for contact with the warp threads.

1,628,541. WATER SOFTENER. OSCAR W. JOHNSON, Rockford, Ill., assignor to Ward-Love Pump Corporation, Rockford, Ill., a Corporation of Illinois. Filed Oct. 1, 1926. Serial No. 138,830. 6 Claims. (Cl. 210—24.)

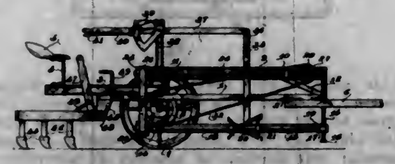
1. The method of operating a base-exchange water softener which consists, first, in passing hard water through a zeolite material bed for softening, second, passing brine or other reagent with hard water through the bed of material in one direction for regenerating the same, and third, passing hard water in the opposite

direction through the bed to wash the same, the hard water being accompanied with a certain amount of brine or reagent sufficient to regenerate whatever amount



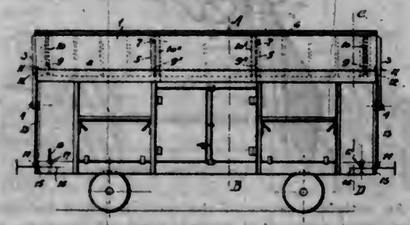
of material in the bed was exhausted in whole or part by the passage of the hard water with the brine through the material during regeneration.

1,628,542. COTTON CULTIVATOR. CHARLIE JONES, White Plains, N. Y. Filed Dec. 3, 1925. Serial No. 73,007. 2 Claims. (Cl. 97—15.)



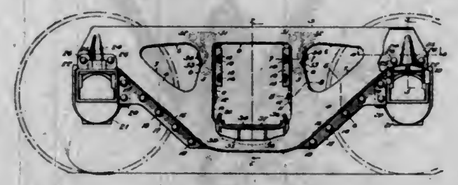
1. In a cotton cultivator, a pair of wheels, an axle connecting said wheels, a main frame mounted on said axle, a drive shaft journalled in said main frame, driving means connecting said shaft with one of the wheels, a cutter frame pivotally mounted on said axle, a cutter shaft supported solely by said cutter frame, means arranged in proximity to said axle and cooperating with said drive shaft to rotate said cutter shaft, cutter blades mounted on said cutter shaft and a vertically adjustable cross bar having downwardly depending extensions in pivotal attachment to the second frame to effect vertical adjustment thereof.

1,628,543. TRANSPORT WAGON FOR RAILWAYS. JONAS JONSSON, Vansbro, Sweden. Filed Dec. 6, 1926. Serial No. 152,964, and in Sweden Dec. 7, 1925. 2 Claims. (Cl. 105—377.)



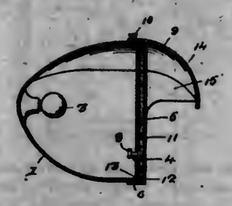
1. In a transport wagon for railways the provision of shutters extending longitudinally of the wagon and constituting the roof of the same, and of arms carrying the said shutters and swingable on trunnions in such manner that the shutters, when moved laterally outwards, do not extend in any essential degree outside the profile of the wagon.

1,628,544. SIDE FRAME. BYERS W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Sept. 28, 1923. Serial No. 665,445. 48 Claims. (Cl. 105—205.)



1. A car truck side frame involving inner and outer walls arranged in spaced relation, each of said walls having a plurality of truck column portions, a plurality of top arch bar portions, and a plurality of bottom arch bar portions, said bottom arch bar portions being provided with flanges having portions thereof projecting inwardly of the side walls and downwardly therefrom, and means including a plurality of rivets uniting the downwardly extending portions of said flanges, the lowermost of said rivets being located at a point relatively remote from the critical points of the side frame at the junctions of the truck column portions with the bottom arch bar portions.

1,628,545. HEADLIGHT. FOWLER M. KINKEAD, Boston, Mass. Filed Oct. 28, 1925. Serial No. 65,432. 1 Claim. (Cl. 240—48.4.)

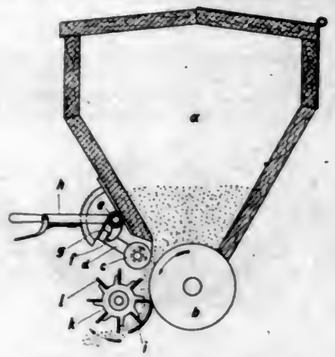


In a head lamp, a body having its sides gradually rounded upwardly from its lower center to its top and having its top arched, a light deflector having its inner portion shaped to correspond with that of the outer face of the body, a continuous flange thereon designed to overlap the outer edges of the body, T-shaped lugs formed on the rounded lower side of the deflector, said body having T-shaped slots for receiving therein said lugs, said reflector having an arched top rounded outwardly and downwardly, a binding element carried by said flange for engagement with the top of the body and a lamp bulb carried by said body as and for the purpose specified.

1,628,546. FERTILIZER-DISTRIBUTING MACHINE. AUGUST WILHELM KOCH, Hannover-Kleefeld, Germany. Filed Feb. 24, 1925, Serial No. 11,294, and in Germany Mar. 1, 1924. 6 Claims. (Cl. 275—2.)

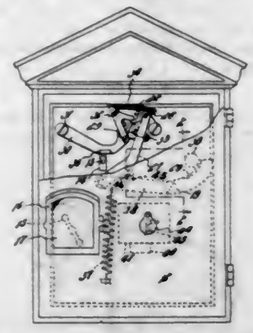
1. In a fertilizer strewing machine and the like the combination with a container and a pair of spacedly disposed, parallel, rotatable feeding and crushing rollers of different diameter at the open bottom of the container,

of rotatable delivery and ejecting means below the axial plane of the rollers and opposite the space between the same, and a shield adjacently surrounding part of the



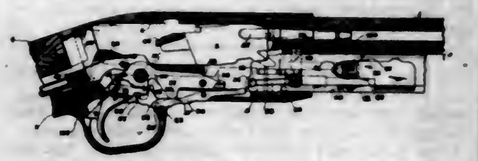
bottom portion of the delivery and ejecting means and extending within close proximity of the larger rotatable feeding and crushing roller.

1,628,547. FIRE-ALARM APPARATUS. CHARLES E. KOONTZ, Baltimore, Md. Filed Mar. 3, 1923. Serial No. 622,614. 6 Claims. (Cl. 177—368.)



1. A fire alarm box including an alarm control element, a door closing said box, means whereby the control element is actuated to sound the alarm incident to the opening of the door, means whereby the door may be opened without operating the control element and means carried by said door and arranged to engage a part of one of said means to prevent the closing of said door when the second mentioned means is disposed in operative position.

1,628,548. FIREARM. CRAWFORD C. LOOMIS, Ilion, N. Y., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed July 29, 1922. Serial No. 578,436. 94 Claims. (Cl. 42—17.)



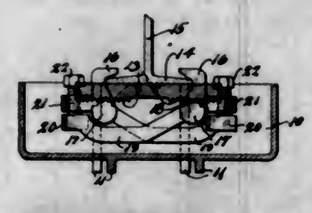
1. In a firearm, the combination of an action bar, a hammer, a member for locking said hammer pivoted concentric therewith, and an element for locking said action bar, and cooperating with said member for controlling the unlocking of said hammer.

21. In a firearm, an action bar, a hammer, a pivoted action bar locking element, and a separate pivoted hammer locking member adapted to engage and actuate said action bar locking element.

1,628,549. PROCESS FOR THE MANUFACTURE OF GRANULAR CELLULOSE. ROGER MAGONDEAUX, Paris, France. Filed Nov. 18, 1924, Serial No. 750,716, and in France Nov. 20, 1923. 1 Claim. (Cl. 92—3.)

The process, for the object specified, of treating sawdust, which consists in passing the same through sieves of predetermined mesh to obtain a particular uniform size of granule depending upon the purpose for which it is desired, and sifting such graded sawdust to remove dust, then subjecting the granules to treatment in an alkaline solution, and finally centrifuging and drying the granular product lastly obtained.

1,628,550. ANCHORING DEVICE. JAMES O. MEREDITH and GROVER MEREDITH, Marion, Ind. Filed Dec. 3, 1926. Serial No. 152,488. 12 Claims. (Cl. 238—166.)



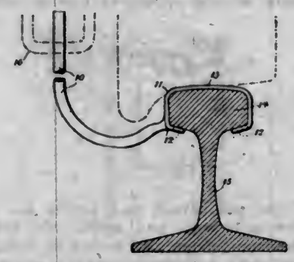
12. In an anchoring device, a fixed casing having a support for a member to be anchored, and opposite clamping jaws having fulcrums adjustable upon said support toward and from each other to provide for clamping engagement with portions of members of materially different width.

1,628,551. ANTIGLARE DEVICE. BENJAMIN LAKE NOYES, Stonington, Me. Filed Mar. 29, 1926. Serial No. 98,359. 8 Claims. (Cl. 2—12.)



1. An antiglare device of the class described including a glare plate adapted to project forwardly between the eyes of a wearer, means for supporting said plate upon a wearer's head, and a universal connection between the plate and its supporting means.

1,628,552. RAIL OBSTACLE. JOHN B. O'CONNOR, Brooklyn, N. Y. Filed Oct. 22, 1926. Serial No. 143,476. 4 Claims. (Cl. 246—207.)



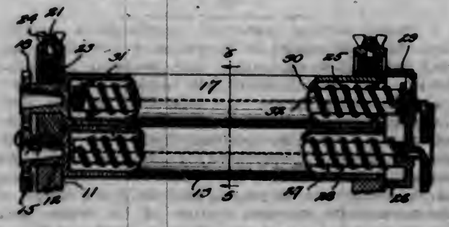
1. An obstacle comprising a trip member, and means for effecting the attachment of the trip member on the traction portion of a track element, the trip member connected with said means below the uppermost surface thereof, the trip member disposed substantially vertically at one side of the track element.

1,628,553. ANGLE SCREW DRIVER AND ATTACHMENT. DARNEY P. OWENS, Lake Worth, Fla. Filed Nov. 20, 1925. Serial No. 70,348. 1 Claim. (Cl. 145—66.)



A tool of the class described including a handle, a shank arranged angularly with respect to the handle, and both shank and handle having their confronting ends rounded to provide eyes which interengage, a ball housing receiving the interengaging eyes therein and having sleeve extensions for the shank and handle and bearing means between the shank, handle and such sleeves which prevent the longitudinal movement of either the shank or the handle.

1,628,554. CLOTHES WRINGER. GAETANO PAGANO, Brooklyn, N. Y., assignor of one-fourth to Salvatore Benfonti and one-fourth to Gaetano Sofia, Brooklyn, N. Y. Filed Mar. 29, 1926. Serial No. 98,279. 1 Claim. (Cl. 68—32.)



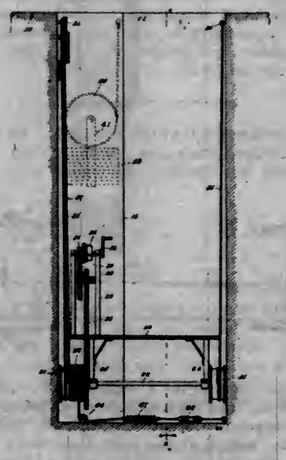
A laundry device comprising a pair of tubular rollers, one of which has rotative and bodily movement, a heating unit for said rollers comprising a pair of heating cores, one each extending into said rollers, a bracket carried by one of said heating cores, and means for slidably mounting the other of said heating cores on said bracket for bodily movement with said bodily moveable roller.

1,628,555. BOTTLE-STOPPER SEAL. HENRY G. PEPINO, New York, N. Y. Filed Oct. 6, 1925. Serial No. 60,849. 2 Claims. (Cl. 215—82.)



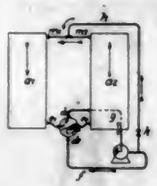
1. A bottle stopper seal, including in its construction a wire extending across the top and looped around the stopper circumferentially at the juncture of the stopper and bottle and with the ends extending from the stopper to a point adjacent to the bottom end of the bottle, and a wrapper secured to the bottle and substantially covering the same and also the stopper, said wrapper being held in place by adhesive whereby the wrapper must be materially ripped before the stopper can be removed.

1,628,556. COUNTERWEIGHTED SIDEWALK ELEVATOR. AXEL J. ROSELL, Brooklyn, N. Y. Filed June 17, 1926. Serial No. 116,666. 2 Claims. (Cl. 187—62.)



1. In a side walk elevator, the combination with a shaftway, and platform guided for vertical sliding movement in the shaftway, of a drum shaft hung from and journalled below the platform, drums on the ends of the shaft, lifting cables wound on the drums and anchored near the top of the shaftway, a counterweight, a counterweight cable wound on one of the drums, a frame mounted on the platform, a train of driving gears supported by the frame and connected to the drum shaft, and a tensioning cable anchored in the bottom of the shaft and wound on one of the drums.

1,628,557. APPARATUS FOR TREATING VEGETABLE, ANIMAL, OR ARTIFICIAL FIBERS WITH DYES OR OTHER LIQUIDS. JACQUES SCHLUMPF, Oberwinterthur, Switzerland. Filed Mar. 24, 1926, Serial No. 96,972, and in Great Britain Mar. 14, 1925. 1 Claim. (Cl. 8—18.)
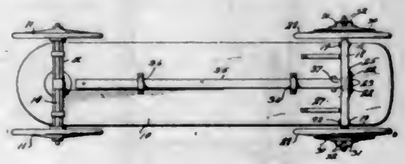


A dyeing machine of the type described, comprising a circulating pump, a circulating pipe system, two chambers adapted to receive the goods to be treated, said chambers being connected to the circuit of said circulating pump, a reversing valve adapted to enable the direction of flow to be reversed at will in both chambers, and the system being provided with a single by-pass allowing the rate of flow of the dye in whichever chamber the flow is upwards to be moderated at will.

1,628,558. SHEET-METAL CASING FOR PHOTOGRAPHIC FILMS. JOSEF SCHULZ, Barmen, Germany. Filed Apr. 15, 1926, Serial No. 102,243, and in Germany Feb. 2, 1926. 5 Claims. (Cl. 95—22.)



1. A multipartite sheet-metal casing for photographic films and film-packs, comprising in combination, a back-member (4), a mid-member (5), and a closing cap (6), said three parts constituting the film casing proper, substantially as set forth.

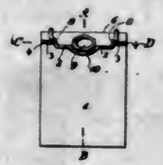
1,628,559. COASTER-WAGON BRAKE. ERNEST SINCLAIR SHOWERS, Champion, Mich. Filed Apr. 29, 1926. Serial No. 105,569. 8 Claims. (Cl. 188—20.)



1. In a coaster wagon a hollow axle, disk wheels mounted thereon, and braking means comprising annular brake disks disposed concentric to the axle and exterior to the wheels, means urging said disks away from the wheels, and manually controllable means for simultaneously applying said brake disks, said means including elements passing longitudinally through the hollow axle and connected to the brake disks.

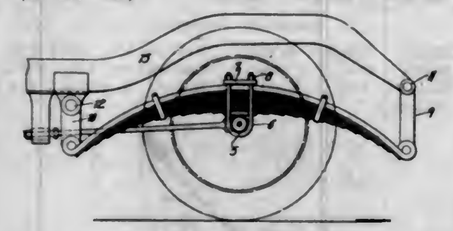
1,628,560. PIN TICKET. WILHELM SIEGFRIED, Erfurt, Germany. Filed Nov. 14, 1924, Serial No. 749,968, and in Germany Apr. 7, 1924. 2 Claims. (Cl. 40—25.)

1. In a pin-ticket, the combination of a ticket, a pair of pins extending through the ticket and having a common connecting portion forming a base arranged on the same side of the ticket as the pins, said connecting portion having bent portions forming abutments arranged against and embracing portions of the peripheries of the pins, the length of said connecting portion being such



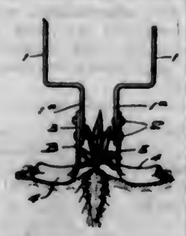
as to space the pins apart and permit the bending thereof toward each other and across said abutments, and said connecting portion also having an intermediate curved portion which extends downwardly on the ticket below the common plane of the said pins.

1,628,561. SPRING. FRANCIS JOSEPH SMITH, Gary, Ind. Filed Apr. 2, 1925. Serial No. 20,210. 3 Claims. (Cl. 267—44.)



1. A suspension spring comprising a main leaf of substantially heavy material, and a graduated group of leaves of light material, the said heavy main leaf being given the same shape as would be assumed by the group of light leaves after they alone had been placed under a weight substantially equal to the sprung weight of the vehicle for which it is designed, and means for assembling these leaves in cooperation with each other.

1,628,562. EARTH-WORKING IMPLEMENT. JOHN B. SMITH, Mountain Home, Ark., assignor of one-half to Ben F. Love, Mountain Home, Ark. Filed Sept. 28, 1926. Serial No. 138,308. 1 Claim. (Cl. 97—207.)



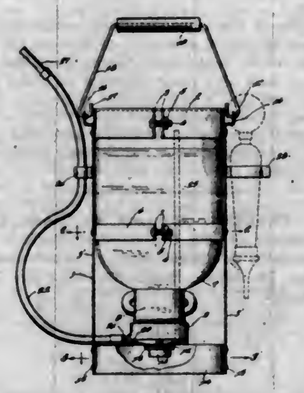
A ground working implement comprising, in combination, a bar adapted to be supported in a vertical position, and a blade engageable with the lower portion of the bar, said blade comprising a vertical portion and a lower horizontal portion, said horizontal portion being disposed lengthwise on a predetermined curvature, the side faces of the lower portion of the blade being disposed on an angle of approximately forty-five degrees with respect to the horizontal, the lower part of the forward margin of the vertical portion and the lower margin of the horizontally disposed portion of the blade being formed into a continuous knife edge, said margins of the vertical portion and horizontal portion at their junction being disposed on a curvature of approximately one-quarter of a circle.

1,628,563. BATTERY-PLATE PULLER. JOHN TAYLOR, Chicago, Ill. Filed July 20, 1925. Serial No. 44,936. 2 Claims. (Cl. 294—119.)



1. As a new article of manufacture, a battery plate puller comprising a handle of insulating material, two sets of pivoted jaw members, links for each set of jaw members, a pin for pivotally connecting one set of links to one end of said handle and a second pin mounted in the other end of the handle pivotally supporting the other set of links for relative movements and for longitudinal movements along the shank of the pin.

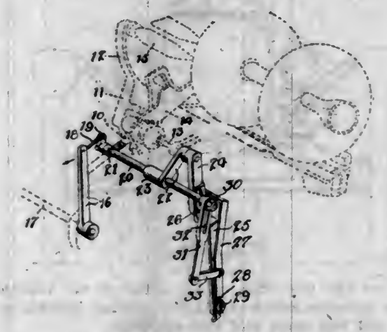
1,628,564. BATTERY FILLER. JOHN TAYLOR, Chicago, Ill. Filed Dec. 19, 1925. Serial No. 76,532. 6 Claims. (Cl. 221—25.)



1. In a battery filler, a supporting frame, a container secured in said frame, a closure cap secured on the lower end of the container and provided with an outlet member, a flexible tube secured on said outlet member, the cap being provided with a filling opening to one side and independent of said outlet member, and a removable closure plug secured in said opening and effecting a fluid tight closure thereof.

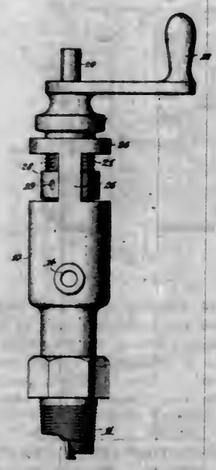
1,628,565. FILLING-END CLEARER. WILLIAM MONROE TYSON, Lanett, Ala., assignor of one-fourth to R. J. Jennings, West Point, Ga. Filed Oct. 21, 1926. Serial No. 143,223. 3 Claims. (Cl. 139—261.)

1. The combination with a loom having filling replenishing mechanism including a starting rod, of a filling end withdrawing member, a rock shaft, a crank lever on said shaft, said crank lever having a slot to receive the shaft and permitting transverse movement of the lever relative to the shaft, a link connecting the crank lever and the withdrawing member, a crank arm on said rock shaft, a lever rigidly secured to the starting rod of the filling replenishing mechanism and having connection with the crank arm on the rock shaft, whereby rotation of the starting rod will lower the withdrawing member into the path of the falling quill, and whereby the return movement of the starting rod at the com-



pletion of the filling operation will return the withdrawing member to its normal position and withdraw the filling end.

1,628,566. TRY COCK. WILLIAM E. WILLIAMS, Brooklyn, N. Y. Filed Oct. 27, 1926. Serial No. 144,569. 1 Claim. (Cl. 251—139.)

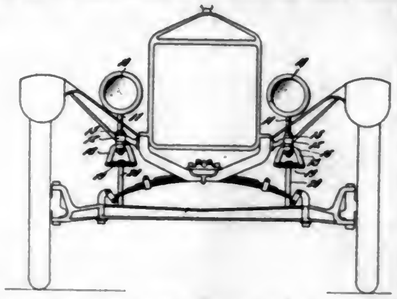


A try cock including a casing having an inlet, an outlet and a seat between the inlet and outlet; a stem, a valve member on the stem, a sleeve surrounding the stem and adjustably associated with said casing, said sleeve having a seat, said valve member adapted to be moved into and out of engagement with said seats, and means limiting the adjustment of said sleeve.

1,628,567. LIGHT CONTROL. WILLIAM HARROLD WILLIAMS, Marlin, Tex. Filed June 11, 1926. Serial No. 115,321. 1 Claim. (Cl. 240—62.)

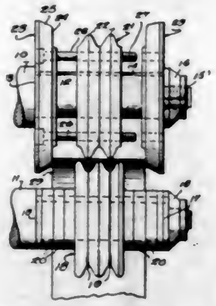
A dirigible headlight for automobiles comprising a vertically disposed rotatably mounted post, a lamp at the upper end of the post, a bearing bracket for supporting the post, a squared extension upon the lower end of the post, an inverted substantially U-shaped member having a squared socket therein for receiving the squared extension of the post, and providing downwardly extending spaced integral arms, a vertically disposed arm having

its lower end connected to the steering knuckle connecting rod and springs, each having one of their ends secured to the upper end of said rod and their other ends



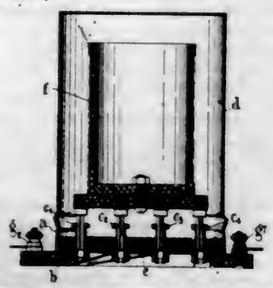
secured to the free ends of the arms of the U-shaped member, whereby movement of the steering knuckle connecting rod will move said post pivotally.

1,628,568. METHOD AND APPARATUS FOR GROOVING AND FLANGING TUG RIMS. DELL H. WOLFE, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a Corporation of West Virginia. Filed July 14, 1926. Serial No. 122,448. 8 Claims. (Cl. 153—2.)



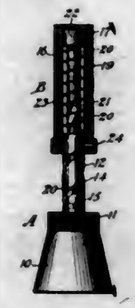
1. The method of forming metal rims which consists in arranging a blank rim between a pair of grooving rolls with its edges between a pair of flanging rolls to be guided thereby, moving the grooving rolls toward each other and revolving at least one of them to form a peripheral groove in the rim, then forming flanges at the edge portions of the rim with said flanging rolls.

1,628,569. SCREENING OF COILS CARRYING HIGH-FREQUENCY CURRENT. WALTER SCOTT WORTHINGTON, London, England. Filed July 27, 1926, Serial No. 125,280, and in Great Britain Mar. 11, 1926. 3 Claims. (Cl. 175—356.)



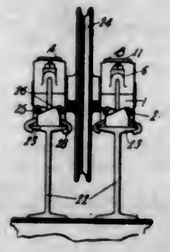
1. A screen for coils carrying high frequency currents comprising in combination a metal casing having a fixed and a detachable part and a base of insulating material serving as a coil holder and having a number of contacts capable of engaging with the usual contacts provided on a detachable coil, said base being secured to the fixed part of the metal casing, said fixed metal part having a number of holes corresponding to the number of contacts on the base for the passage of electric conductors to be connected to the said contacts on the base and the said detachable part of the metal casing being such as to allow, when removed, a replacing of the coil on the base serving as coil holder.

1,628,570. CIGAR CUTTER. THOMAS H. ANDERSON, New York, N. Y., assignor to Max E. Bernhardt, New York, N. Y. Filed Oct. 22, 1925. Serial No. 64,238. 3 Claims. (Cl. 131—20.)



3. A device of the class described, comprising a cigar end receiver having a sleeve, a drill mounted to move within said sleeve, said sleeve having a helical slot, the lower end of said slot being disposed at right angles to the axis of said slot, a drill carrier secured to said drill, a pin carried by said carrier and projecting into said slot, means tending normally to withdraw said drill from said sleeve, and a grip sleeve surrounding and loosely mounted upon said carrier.

1,628,571. BEARING. RICHARD R. BLOSS, Columbus, Ohio, assignor to The International Derrick & Equipment Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 10, 1923. Serial No. 679,612. 7 Claims. (Cl. 308—58.)

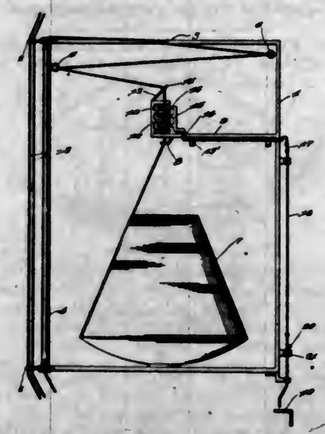


1. In a journal bearing, a bearing base, comprising horizontally flanging portions at its bottom, integral and angularly disposed bosses carried by said flanging portions and angularly opposed openings in said bosses for carrying clamping means for securing said base to a supporting member.

1,628,572. RIBBER-MACHINE ATTACHMENT. FELIX BOLINSKI, Pinckneyville, Ill. Filed Apr. 25, 1925. Serial No. 25,858. 1 Claim. (Cl. 66—158.)

A device of the class described including a substantially rectangular frame, one of the members of said frame being in the form of a tube, guide members carried by opposite corresponding frame members of said frame through which a plurality of strands of yarn is adapted to pass, a

bifurcated guide member carried by one of said corresponding frame members, guide loops carried by the other opposite corresponding frame members, a rack providing a plurality of spaced fingers, a movable member providing a rack having a plurality of fingers interposed between said first mentioned fingers, and means coacting



with the movable member for actuating a trip upon movement of said movable member in a certain direction, the combination with a strand of yarn adapted for passage between the fingers for supporting the movable member against said movement in said certain direction and extending through the loops and the bifurcated member to a downward course through the tube.

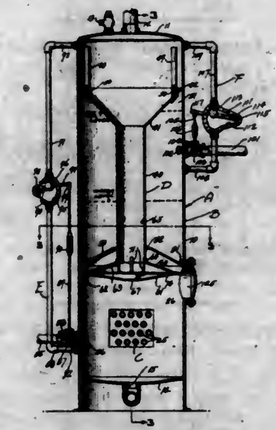
1,628,573. METHOD AND MOLD FOR CASTING TYPE BARS. WILLIAM MORRIS BOWER, CHARLES SAMBROOK BURDON, and CARL LOUIS STERN, London, England, assignors to Linotype and Machinery Limited, London, England, a British Company. Filed Oct. 20, 1924, Serial No. 744,566, and in Great Britain Oct. 22, 1923. 3 Claims. (Cl. 199—57.)



1. The method of casting slugs or type bars of hollow formation, which consists in providing a cored mold presenting two sections in which the side walls of the slugs are cast, and injecting molten metal into both of said sections simultaneously.

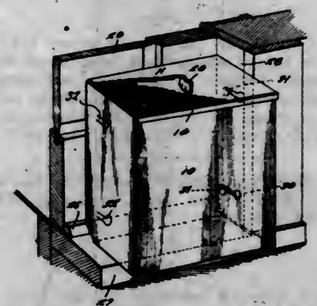
1,628,574. APPARATUS FOR THE TREATMENT OF IMPURE PETROLEUM OILS. JOHN D. BRADY, El Dorado, Ark., assignor to Brady Process Company, El Dorado, Ark., a Corporation of Delaware. Filed Aug. 29, 1925. Serial No. 53,372. 13 Claims. (Cl. 196—5.)

4. In apparatus of the class described a substantially vertical tank, heater means in the lower portion of the tank, a conductor tube extending substantially vertically thru the tank in spaced relation therewith, a funnel head supported at the upper portion of said conductor tube, means for inlet of emulsified petroleum into the funnel head, means for venting gas from below the funnel head to the upper portion of the tank, means for venting gas from the tank, baffle means supported by the lower end of the conductor tube for retarded flow of petroleum emulsions therefrom to said heater means, baffle means carried by the tank about said conductor tube and above the first baffle means, liquid level controlled valve means for withdrawal of liquid from the tank below said baffle means and adjacent said heater means, liquid lever controlled valve means for withdrawal of oil from the tank



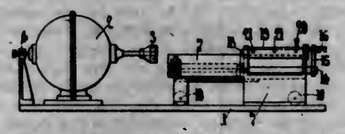
between the baffle means and funnel head of the conductor tube, and means for proportionately regulating the withdrawal of liquid from the tank thru said first and second mentioned valve means.

1,628,575. MILK-BOTTLE RECEPTACLE. FERDINAND H. BRANCKLEIN, Baltimore, Md. Filed Aug. 14, 1925. Serial No. 50,340. 2 Claims. (Cl. 232—42.)



1. In combination with a receptacle having an open back and a hinged cover, a locking element carried by the cover, means at the upper edge of the receptacle adjacent the free edge of the cover for engagement by the locking element to hold the cover in closed position, an operating member upon the outside of the cover and an actuating member associated with and controlled by the operating member to force the locking element into locking position and out of the path of movement of said actuating member.

1,628,576. COIN-WRAPPING MACHINE. CHARLES LAURENCE BURDICK, London, England. Filed Mar. 5, 1926, Serial No. 92,625, and in Great Britain Mar. 10, 1925. 10 Claims. (Cl. 93—5.)



1. In a machine for making and closing coin packets the combination of a holder arranged for the reception of the packets, a rotary head adapted to close down the ends

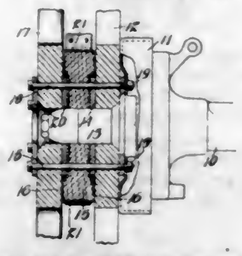
of the packet and guiding means enabling the holder to be advanced relatively to the rotary head to bring an end of the packet into operative engagement with the rotary head.

1,628,577. BARBER'S COMB. JOHN W. BURKE, Del Rio, Tex. Filed Aug. 25, 1925. Serial No. 52,441. 4 Claims. (Cl. 132—18.)



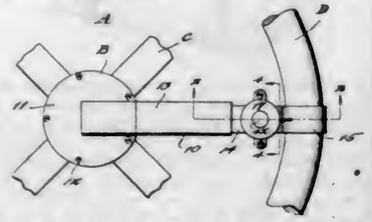
1. A comb comprising a rib portion having teeth projecting in opposite angular relation from each edge thereof.

1,628,578. VEHICLE WHEEL. CLAUDE W. CLARK, West Palm Beach, Fla. Filed July 2, 1926. Serial No. 120,232. 2 Claims. (Cl. 301—36.)



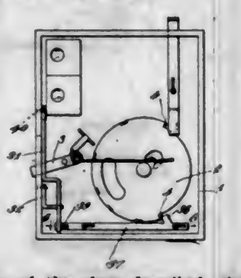
1. A dual wheel for vehicles comprising the normal wheel and its hub, a spacing block mounted on said hub, a second wheel mounted on said hub, perforated disks between said wheels and said spacing block, and bolts passing through said perforated disks, wheels and spacer to form a unit thereof, substantially as set forth.

1,628,579. CIRCUIT CLOSER. JOSHUA W. DAVIS, Sumter, S. C. Filed Oct. 12, 1925. Serial No. 62,137. 1 Claim. (Cl. 200—59.)



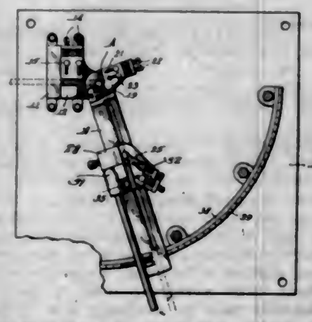
In a circuit closer, a support, a casing carried by said support, a stationary member of insulating material disposed in said casing, a circumferential series of contacts carried by said stationary insulating member and countersunk therein in a manner to be spaced below the surface thereof, a rotatable disk member of insulating material mounted within the casing, an operating handle laterally extending therefrom and through a slot in the side of said casing, a metallic ring secured on the underside of said rotatable disk member and having downwardly extending projections adapted to be brought into engagement with selected ones of said contacts, said casing having its top formed with an opening, said rotatable disk member being provided with a recess with the edge of the casing at the opening overhanging the recess, a central contact secured to said rotatable disk member and arranged in said recess, an inwardly projecting extension formed on the metallic ring, an additional binding post carried by the extension and arranged in spaced relation to the central contact, a spring contact secured to said additional binding post and arranged within the recess, a flanged push button slidably mounted in the recess with its flange engageable with the overhanging portion of the casing, and said flange push button being engageable with the spring contact for the purpose specified.

1,628,580. FILM-SHIFTING MECHANISM. JEROME DE HAAS, Chicago, Ill. Filed Feb. 13, 1925. Serial No. 9,040. 2 Claims. (Cl. 95—31.)



1. A camera of the class described, the combination with a non-rotatable shaft defining at one end portion opposite shoulders, a film roller associated with the shaft for relative movement, a spring member operatively connecting the roller to the shaft, a shutter, and a pair of cooperating pawls pivotally carried by the roller and adapted for engagement with the shoulders for retaining said roller against relative movement with respect to the shaft by action of the spring member, of means for permitting intermittent movement of the roller relative to the shaft by action of said spring member, said means including a disc having a plurality of lugs formed thereon, a movable arm having an end portion defining a catch adapted for engagement successively with the lugs, means operably connecting the disc to the roller, a rocker arm having an end portion adapted for engagement with the opposite end portion of the movable arm, an operating member carried by the body of the camera and defining portions movable into engagement with the pawls for disengaging the pawls from the shoulders and movable into engagement with the rocker arm for urging the rocker arm to operate upon said opposite end portion of the movable member to move said catch from engagement with one of the lugs disposed adjacent the catch member, means for operating said operating member, and means operable by the shutter for operating upon said movable member to permit intermittent movement of said disc independently of the operating member.

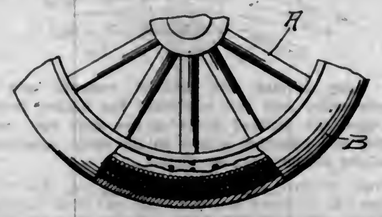
1,628,581. MULTIPLE BENDING APPARATUS. FRANK J. L. DINKEL, North Bergen, N. J. Filed June 1, 1926. Serial No. 113,057. 6 Claims. (Cl. 153—16.)



1. A bending apparatus, including a fixed work-clamping device, a swingable non-adjustable work-clamping device pivoted adjacent the fixed work-clamping device,

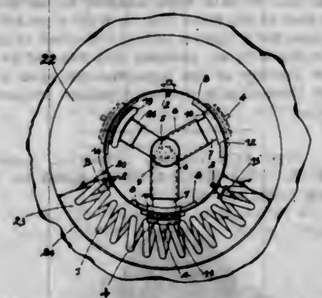
and an adjustable work-clamping device carried by and swingable with respect to the swingable non-adjustable clamping device.

1,628,582. TIRE LINER. MAX A. DOELCKNER and ANTHONY P. FANELLI, Louisville, Ky. Filed Jan. 24, 1925. Serial No. 4,606. 1 Claim. (Cl. 152—18.)



A tire liner comprising a continuous member of fabric curved longitudinally and transversely and adapted to be engaged within a pneumatic tire between the casing and inner tube, a plurality of metallic rivets having substantially flat circular partially spherical heads and sharp edges around the heads, said edges being normally arranged in contacting relation throughout the tread portion of the liner, and a plurality of similar rivets similarly located in the spaces between the first named rivets and in overlapping relation thereto with their edges in contacting relation, each of said rivets having a split shank passing through the fabric with its ends clinched at the inner side thereof.

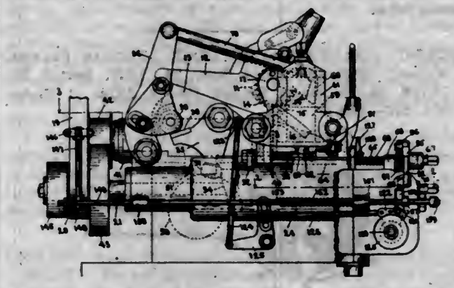
1,628,583. ELASTIC WHEEL. JEAN ISIDORE DUCHÂTEAU, St. Omer, France. Filed June 30, 1925, Serial No. 40,642, and in France July 15, 1924. 9 Claims. (Cl. 152—28.)



8. In an elastic wheel, the combination of an elastic spring ring, an annular housing for the same, pins secured to the housing and provided with a double hook to engage contiguous turns of said spring ring, a seat on said pins for the ring, accommodating the shape of the tore constituted by the latter, circular slides on the inner wall of the housing, radial pins carried by said slides and engaging turns of the spring ring between the first mentioned fastening pins, a hub member, hollow spokes on the same, rods telescoped and reciprocatable within said hollow spokes and pivotal connections between said circular slides and said rods, substantially as set forth.

1,628,584. AUTOMATIC GEAR-GENERATING MACHINE. EDWIN R. FELLOWS, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Oct. 18, 1922. Serial No. 595,304. 45 Claims. (Cl. 51—52.)

1. A machine adapted to cut forms in a work piece with generating motion corresponding to rack and pinion travel and including, in combination with a cutting tool, a work holder and driving mechanism for producing relative motions of generation and cutting between said cutting tool and a work piece held by said work holder, and an automatic feeding mechanism operative so to



change the relation between the work piece and the cutting tool as to cause a further cutting of the same part of the work piece previously cut.

1,628,585. CLEANING DEVICE. WILLIAM H. FLIEHMANN, St. Charles, Mo. Filed Sept. 30, 1925. Serial No. 59,633. 2 Claims. (Cl. 15—141.)



1. A device of the character described comprising a single length of wire bent intermediate its ends and having its free end portions extending in spaced parallel relation, the side portions being formed with a plurality of alternately arranged open loops, and correspondingly shaped suction members received within said loops.

1,628,586. METHOD OF MAKING OPHTHALMIC MOUNTINGS. OSCAR HARRY FLODIN, Rochester, N. Y., assignor to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 17, 1925. Serial No. 50,544. 8 Claims. (Cl. 88—47.)



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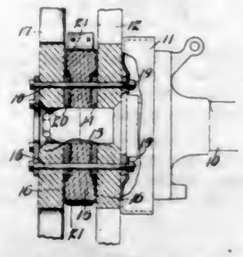
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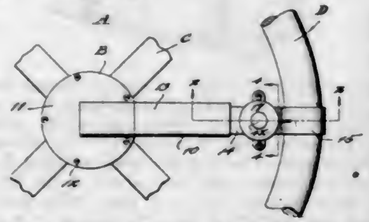
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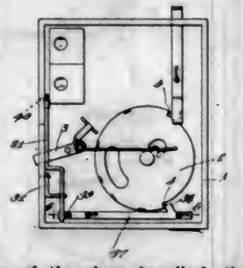
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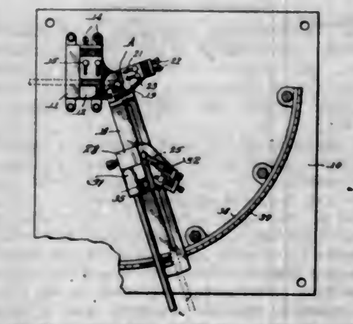
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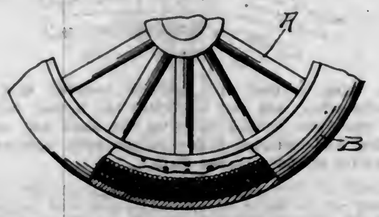
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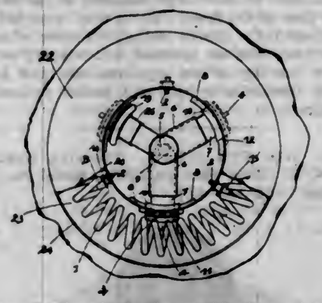
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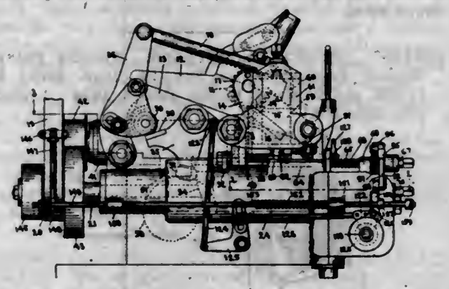
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8. In an elastic wheel, the combination of an elastic spring ring, an annular housing for the same, pins secured to the housing and provided with a double hook to engage contiguous turns of said spring ring, a seat on said pins for the ring, accommodating the shape of the tore constituted by the latter, circular slides on the inner wall of the housing, radial pins carried by said slides and engaging turns of the spring ring between the first mentioned fastening pins, a hub member, hollow spokes on the same, rods telescoped and reciprocatable within said hollow spokes and pivotal connections between said circular slides and said rods, substantially as set forth.

1,628,584. AUTOMATIC GEAR-GENERATING MACHINE. EDWIN R. FELLOWS, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Oct. 18, 1922. Serial No. 595,304. 45 Claims. (Cl. 51—52.)

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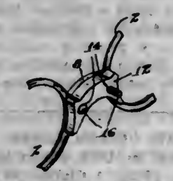
change the relation between the work piece and the cutting tool as to cause a further cutting of the same part of the work piece previously cut.

1,628,585. CLEANING DEVICE. WILLIAM H. FLIEHMANN, St. Charles, Mo. Filed Sept. 30, 1925. Serial No. 59,633. 2 Claims. (Cl. 15—141.)



1. A device of the character described comprising a single length of wire bent intermediate its ends and having its free end portions extending in spaced parallel relation, the side portions being formed with a plurality of alternately arranged open loops, and correspondingly shaped suction members received within said loops.

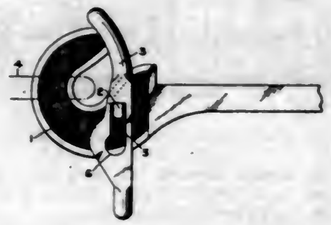
1,628,586. METHOD OF MAKING OPHTHALMIC MOUNTINGS. OSCAR HARRY FLODIN, Rochester, N. Y., assignor to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 17, 1925. Serial No. 50,544. 8 Claims. (Cl. 88—47.)



1. A method of making an article of the class described that comprises extending a zylonite member through and beyond two zylonite members to secure the said two,

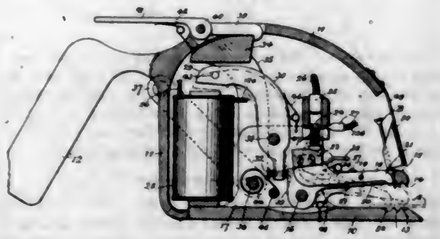
members together, removing the portion of the first-named member that projects beyond said two members, and shaping the secured-together members into predetermined form.

1,628,587. DRAWBAR COUPLING. THOMAS FRANKS, Walsall, England. Filed Nov. 24, 1925, Serial No. 71,196, and in Great Britain Dec. 1, 1924. 1 Claim. (Cl. 213—178.)



In combination with a draw bar having an upstanding hook, a locking member forming a loop through which the hook end of the draw bar passes, said locking member having longitudinal slots in its side portions intermediate its ends and each provided at the lower end with an enlargement, the sides of said slots being substantially parallel, said draw bar being provided with outstanding pins extending into said slots of the locking member and forming pivots on which said locking member may turn, the width of said pins being less than that of said slots and said pins having parallel vertical sides and said slots being of such length that when said locking member is in substantially vertical position the narrow ends of the slots bear on the upper sides of the pins and said locking member by gravity maintains such vertical position extending across the throat of the hook and so that the locking member is prevented from turning casually to released position and said locking member when moved upwardly to cause the pins to engage in the enlarged lower ends of the slots being then adapted to be swung rearwardly to open the throat of the hook.

1,628,588. FUR STRETCHING AND NAILING DEVICE. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Mar. 5, 1926. Serial No. 92,499. 10 Claims. (Cl. 1—47.)



9. In a stretching and nailing device, a base, a gripping jaw having slots through which fur fastening means may be passed, means to hold a fur fastener device, a hammer adapted to drive a fastener held by said holding means, an electromagnetic responsive means adapted to actuate said jaw to a gripping position, and means associated with said jaw and adapted to bring said electromagnetic responsive means into action.

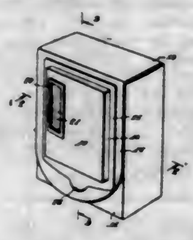
1,628,589. SCYTHE. IGNATZ GONTK, Ljubljana, Yugoslavia. Filed Aug. 20, 1924, Serial No. 733,205, and in Austria Aug. 21, 1923. 1 Claim. (Cl. 56—326.)

A device of the character described including a main blade, a series of headed fasteners carried thereby, a sharpened strip engageable with the fasteners, a covering rail provided with a series of holes for receiving the corresponding headed fasteners and with a series of longitudinal slots, each of said slots having one end communicating with the adjacent hole the walls of the



slots being beveled and inclined towards said hole, whereby when said rail is shifted the headed fasteners ride upon the inclined walls of the slots and exert a wedging and clamping action on the strip, substantially as and for the purposes set forth.

1,628,590. CIGARETTE CASE. DAVID W. GREENE, New York, N. Y., assignor to MAX E. Bernhardt, New York, N. Y. Filed Apr. 30, 1925. Serial No. 27,098. 3 Claims. (Cl. 206—38.)



1. A cigarette case having its front and rear walls formed integrally with a flap extending from the edge of each wall, one of said flaps adapted to be bent down along the face of the front wall to form a pocket projecting therefrom for a lighter casing, the other of said flaps being provided with an aperture and adapted to be bent down over the top of the cigarette case and along the front wall thereof with the said pocket projecting into the aperture.

1,628,591. WIG FOR DOLLS. PERCIVAL HARRIS, New York, N. Y. Filed Nov. 23, 1926. Serial No. 150,351. 5 Claims. (Cl. 46—40.)

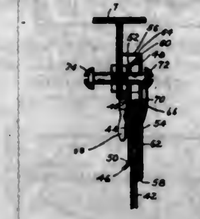


5. A doll's wig comprising a body, a plurality of members simulating platted knots of hair, and adhesive covering one face of each knot connecting said knots to the body.

1,628,592. CLAMP. CHARLES E. HATHAWAY, Providence, R. I., assignor to Cuddy-Gardner Company, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 1, 1924. Serial No. 747,188. 2 Claims. (Cl. 24—243.)

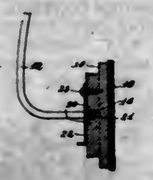
2. A clamp comprising two sheet-metal-strip jaws, one of the strips being provided with a body portion and marginal flanges disposed longitudinally of the strip and bent out of the plane of the body portion of the strip in opposite directions at an incline to the plane of the strip,

the other strip having marginal flanges bent out of the plane of the strip in the same direction, one of the last-named flanges being bent into substantial parallelism with the strip, and means for clamping the strips together with the line of bend between one of the flanges



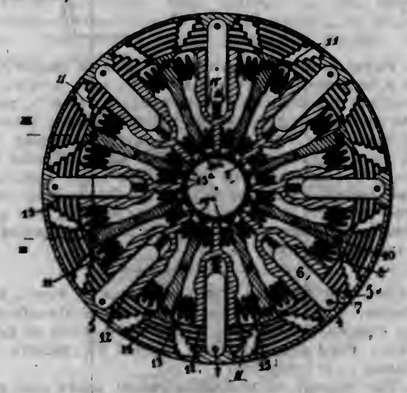
and the body portion of the first-named strip in clamping engagement with the second-named flange of the second-named strip and with the edge of the other flange of the first-named strip in engagement with an intermediate portion of the second-named strip.

1,628,593. WINDOW-CLEANING DEVICE. MARGARET HAYES, Brooklyn, N. Y. Filed July 20, 1926. Serial No. 123,713. 3 Claims. (Cl. 15—220.)



1. A window cleaning device comprising a substantially U-shaped frame having a handle at one end, and a cross-piece at the opposite end; a cleaning element including a block, said block having a groove therein providing spaced parallel portions between which said cross-piece is adapted to be disposed, a retaining member, and means connecting the retaining member to the block for movement over said groove to detachably retain the cross-piece therein.

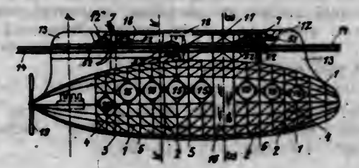
1,628,594. SPRING WHEEL FOR AUTOMOBILES AND OTHER VEHICLES. HERBERT HILL, Durban, Natal, South Africa. Filed July 16, 1924, Serial No. 726,395, and in Great Britain Apr. 17, 1924. 4 Claims. (Cl. 152—28.)



3. A spring wheel, comprising disc elements spaced apart and secured to a central element adapted to engage a hub on a vehicle axle, non-extensible radial members rigidly secured to the said central element and located between the disc elements, an inner rim element secured to the ends of the said radial elements connecting together the outer ends thereof, telescopic radial elements, each comprising a portion forming a lever and pivotally connected to the disc elements and a further portion slidable within the first-mentioned portion pivotally connected with the outer rim, and springs located between the inner and outer rim elements adapted to oppose the action of the load upon the wheels to displace the axes of the rim elements.

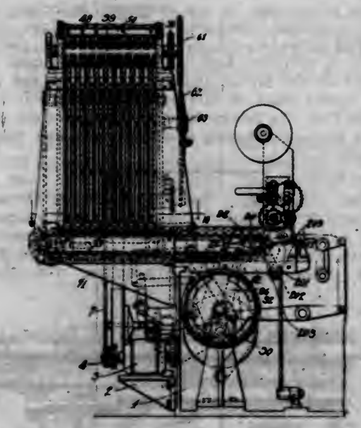
4. A spring wheel as claimed in claim 3, in which one portion of each of the pivotally mounted radial elements is formed as a lever of the first class and springs are located adjacent to either end of the lever and between the same and the fixed radial elements.

1,628,595. CAR FOR HIGH-SPEED SUSPENSION RAILWAYS. FRANZ KRUCKENBERG and FRITZ GENTZCKE, Heidelberg, Germany; said Gentzcke assignor to said Kruckenberg. Filed Jan. 24, 1925, Serial No. 4,572, and in Germany Nov. 5, 1924. 34 Claims. (Cl. 105—65.)



1. A high-speed suspension railway car body having stream-line shape in its longitudinal direction and being of elliptical shape in cross-section, the upper portion of said body being restricted in width similarly to a bottle-neck and this restricted portion forming exteriorly a longitudinally continuous fin, substantially as set forth.

1,628,596. APPARATUS FOR ASSEMBLING ARTICLES TO BE PACKED. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 22, 1924. Serial No. 751,666. 82 Claims. (Cl. 226—14.)



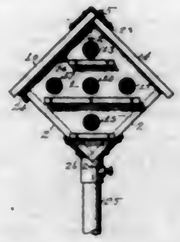
1. In hopper discharging mechanism, a roller for feeding articles from a hopper, said roller having spaced abutments thereon forming a groove extending longitudinally of said roller for agitating the articles in said hopper, the outer surfaces of said abutments being extended peripherally of said roller greater distances than the width of said groove.

77. The combination with a conveyor having receptacles thereon provided with channels extending transversely of the direction of movement of said conveyor, of

retainers disposed adjacent the path of movement of said conveyor to close the ends of said channels, a pair of transfer fingers disposed adjacent the path of said receptacles and arranged to register with the channels in the said receptacles, yielding means for urging said transfer fingers toward one another to cause them to grip the articles in said channels, wrapping mechanism, means for shifting said transfer fingers to cause them to slide the articles from said channels and to present said articles to said wrapping mechanism, and a stop for arresting said yielding means when said transfer fingers are in position to register with the channels in said receptacles to permit said receptacles to pass between said transfer fingers.

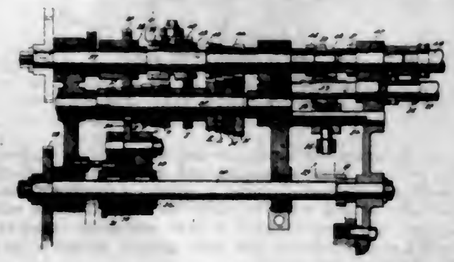
82. The combination with a hopper, of a roller for controlling the discharge of articles from said hopper, said roller having the periphery thereof disposed adjacent the wall portion of said hopper, there being peripheral grooves in said roller for receiving articles to be fed from said hopper and a longitudinal groove in said roller for agitating articles in said hopper, the surface of said roller having a peripheral groove therein of less width than said article receiving grooves and intersecting said longitudinal groove, and a tongue projecting into said peripheral groove to dislodge articles from said longitudinal groove to prevent said articles from jamming against said wall portion.

1,628,597. BIRD HOUSE. ROLLAND W. TISCH, Grand Rapids, Mich. Filed June 5, 1926. Serial No. 113,880. 4 Claims. (Cl. 119—23.)



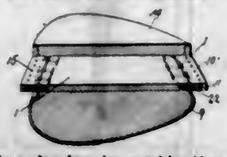
1. In a structure of the character described; a box having a bottom comprising relatively inclined portions extending outwardly-upwardly, opposite ends, and a top closure; a partition held in horizontal position in the box between the bottom and the shut closure and resting at its lateral edges on said portions respectively and removable from the box in the open position of the closure, an end of the box having openings above and below the partition.

1,628,598. LATHE. EDWARD STOCKTON BIRD and FRANCIS B. COCKBURN, Cincinnati, Ohio, assignors to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 2, 1924. Serial No. 753,514. 12 Claims. (Cl. 74—57.)



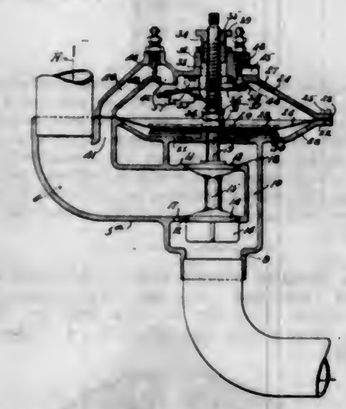
11. In a device of the class described, a driving shaft, driven shafts equally spaced therefrom, adapting the same to be driven from said driving shaft by a single gear transposable from one shaft to the other, and an intermediate shaft transmittably connected with said driven shafts, whereby said driven shafts can be alternately transmittingly connected with said driving shaft, and said intermediate shaft caused to act alternately as a driving or driven member for the other driven shaft.

1,628,599. METALLIC FASTENING INSEAM. CHARLES C. BLAKE, Brookline, Mass. Filed Feb. 18, 1918. Serial No. 217,770. 45 Claims. (Cl. 36—17.)



45. A welt shoe, having in combination, an upper, a welt slit along one longitudinal edge to provide an interior shoulder, an insole provided with an interior shoulder, and means for securing the upper, welt and insole together comprising an inseam engaged with the interior shoulders on the welt and insole and arranged in a plane parallel and intermediate the top and bottom faces of the insole.

1,628,600. PRESSURE-CONTROL MECHANISM FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES T. COWLEY, Syracuse, N. Y., assignor to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1922. Serial No. 598,877. 17 Claims. (Cl. 243—12.)

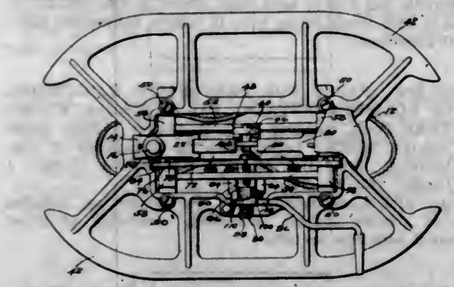


5. Power control apparatus comprising in combination with a transmission tube and a suction tube, a valve for controlling communication between said tubes, a pneumatic motor having a chamber provided with a movable wall connected with the valve, ports connecting the said chamber with the transmission tube and with the outer air, means normally closing the latter port, and means operative upon movement of the movable wall of the chamber in one direction for opening the port leading to the outer air and closing the port leading to the transmission tube.

1,628,601. DUST COLLECTOR. ROBERT F. FEIND, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed July 20, 1923. Serial No. 652,679. 3 Claims. (Cl. 183—54.)

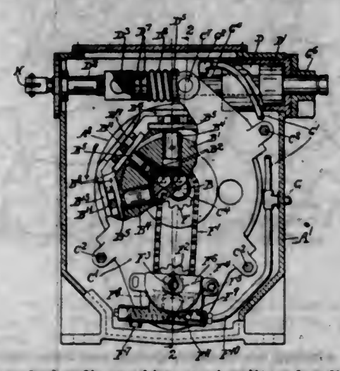
1. The method of separating mixed solids and gas, which comprises, establishing different pressures on opposite sides of a filter to produce a flow through the filtering medium in one direction, equalizing the pressures on opposite sides of the medium and repeatedly shaking the medium to remove accumulated solids while the pressures are equalized, and subsequently producing a flow through the medium in the opposite direction and repeatedly shaking the medium to further remove accumulated solids during the period of reverse flow.

1,628,602. AUTOMATIC SHOE MACHINE. MARK E. FERNALD, Southboro, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Sept. 13, 1922. Serial No. 587,941. 22 Claims. (Cl. 12—127.)



1. Shoe making apparatus of the character described having, in combination, a frame for supporting a separate leader and a separate jack, means on the frame and the jack adapted to co-operatively engage to locate the jack in a definite position on the frame relative to the leader, and means for clamping the jack in such position.

1,628,603. HYDRAULIC TRANSMISSION. WALTER FERRIS, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 9, 1921. Serial No. 483,468. 102 Claims. (Cl. 103—38.)



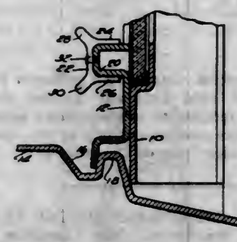
2. In a hydraulic machine, a plurality of radially disposed working members and a plurality of reaction plates associated with them and mounted for lateral withdrawal in a plane perpendicular to the axial line of the working members.

1,628,604. NECKTIE FASTENING. RICHARD HOLLUNDER, White Plains, N. Y. Filed July 24, 1926. Serial No. 124,709. 3 Claims. (Cl. 24—49.)



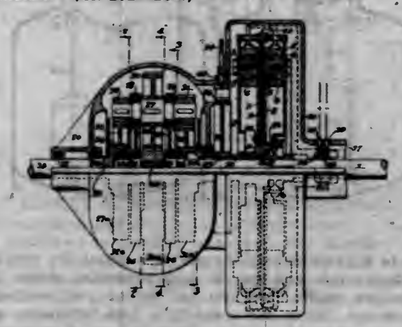
1. Necktie holder or hanger comprising a base, a tongue stamped from the material of said base and projecting out of the plane thereof, a means hinged to said base and adapted to grip over the upper edge of a collar, and a means for facilitating its removal therefrom.

1,628,605. SASH LIFT. AMSON G. ILLICH, New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Aug. 6, 1926. Serial No. 127,581. 1 Claim. (Cl. 16—124.)



In combination, a sash having an inwardly extending projection formed on the lift rail, and a substantially symmetrical lift handle embracing said projection and attached to it, provided with flanges adapted to be engaged while raising and lowering the sash.

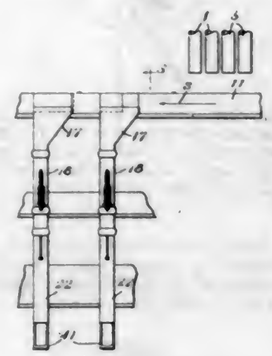
1,628,606. SPEED CONTROL. FRANZ KUEHNEL, Detroit, Mich., assignor of one-half to Hans Huenert, Detroit, Mich. Filed June 15, 1925. Serial No. 37,354. 9 Claims. (Cl. 172—239.)



1. A speed change transmission gearing of the type in which a drive shaft supporting a dynamo-electric machine is associated with a driven shaft, the relative speed of which is controlled by a movable induction element of

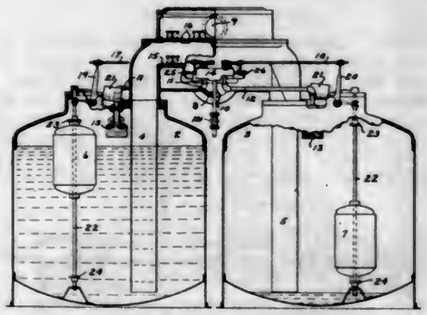
the dynamo-electric machine, including a brake fixedly connected with the induction element of the dynamo-electric machine, conductors carrying the current generated by said machine, and means for varying said current and for applying said brake respectively.

1,628,607. CARRIER DISTRIBUTING AND SELECTING APPARATUS. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Feb. 21, 1925. Serial No. 10,831. 16 Claims. (Cl. 243—16.)



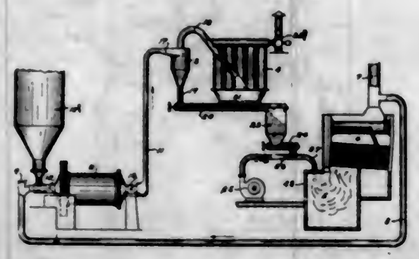
1. A conveyor system comprising a guideway for articles to be transported, said guideway having spaced side walls, and means tending to cause articles moving along the guideway to take positions at one or the other side of the longitudinal center line of the guideway.

1,628,608. FLUID-PRESSURE-ACTUATED PUMP. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 25, 1921. Serial No. 464,415. 10 Claims. (Cl. 103—238.)



1. In a pump, a pair of reservoirs, means for conducting liquid into and out of said reservoirs, means for conducting elastic fluid into and out of said reservoirs, independent valves for controlling both admission and discharge of elastic fluid to and from each of said reservoirs, means operable by movement of one of said valves for locking the other against movement, and means for positively preventing delivery of liquid from said reservoirs to said elastic fluid admission means.

1,628,609. PROCESS OF TREATING COMBUSTIBLE MATERIAL. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 554,285. 4 Claims. (Cl. 110—106).

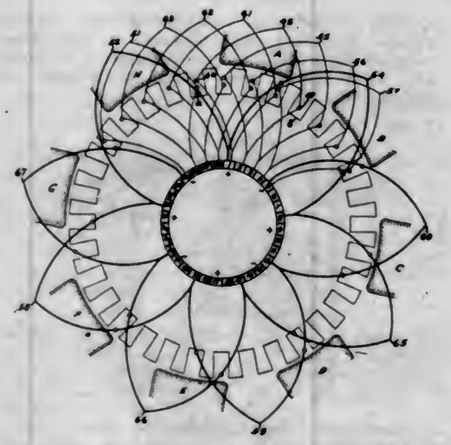


1. The process of treating and utilizing combustible material, which comprises, comminuting the material within a confined zone, passing a blast of non-combustible gas through said zone to remove fine material therefrom, separating the removed material from the gas, delivering the removed material to a heated zone, burning the material in said heated zone, and returning non-combustible gas to said comminuting zone to remove subsequent material therefrom.

1,628,610. PAPER FOR PREVENTING TARNISHING OF POLISHED METALS. FAY H. OSBORNE, Windsor Locks, Conn., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn., a Corporation of Connecticut. Filed Dec. 15, 1925. Serial No. 75,656. 1 Claim. (Cl. 23—241.)

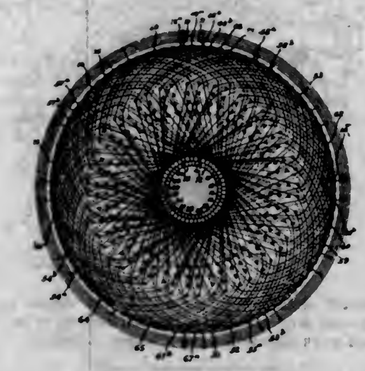
An article of manufacture for protecting polished metal articles against tarnishing, consisting of paper treated with zinc acetate.

1,628,611. DYNAMO-ELECTRIC MACHINE AND WINDING THEREFOR. WILLIAM H. POWELL, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 16, 1924. Serial No. 713,723. 35 Claims. (Cl. 171—206.)



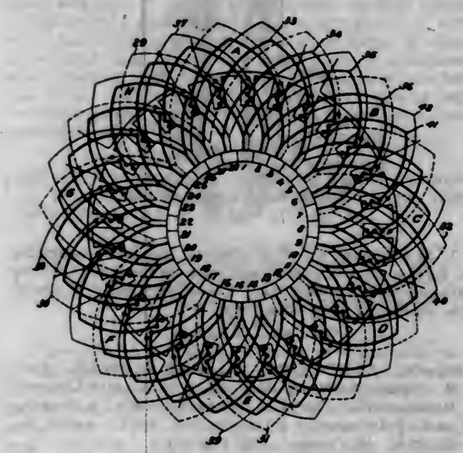
16. A winding for dynamo-electric machines including a plurality of independent lap windings and a simplex wave winding interconnecting said lap windings.

1,628,612. DYNAMO-ELECTRIC MACHINE AND WINDING THEREFOR. WILLIAM H. POWELL, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed June 21, 1926. Serial No. 117,215. 22 Claims. (Cl. 171—206.)



3. A multipolar type armature winding having lap wound coils adapted to be disposed under different pairs of poles and two wave wound coils in parallel connecting them in series.

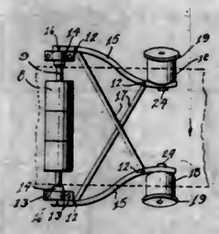
1,628,613. DYNAMO-ELECTRIC MACHINE AND WINDING THEREFOR. WILLIAM H. POWELL, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Original application filed May 16, 1924, Serial No. 713,723. Divided and this application filed July 29, 1926. Serial No. 125,665. 8 Claims. (Cl. 171—206.)



1. A winding for dynamo electric machines including a plurality of independent wave windings, and a simplex lap winding interconnecting said wave windings.

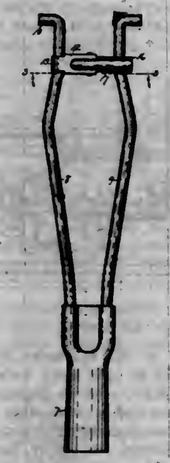
1,628,614. AUTOMATIC BELT GUIDE. BARTON ROSS, Chicago, Ill. Filed Nov. 17, 1924. Serial No. 750,424. 2 Claims. (Cl. 74—51.)

1. A belt guide comprising separated stationary frames, said stationary frames having inwardly extending flanges, a pulley-carrying frame having grooves for receiving said flanges, bearings operatively connecting said pulley-carrying frame with said flanges for permitting the oscillation of the pulley-carrying frame about a common center with respect to the stationary frames, a belt-supporting pulley carried by said pulley-carrying frame, inclined



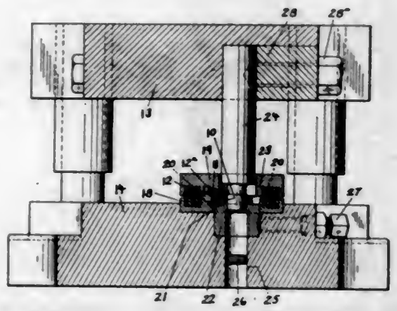
guide rollers for engaging with the belt in advance of said belt-supporting pulley for forming a trough in the belt, and braces connecting said inclined rollers to said pulley-carrying frame, said braces permitting the inclined rollers to be swung on either side of said belt-carrying pulley.

1,628,615. TOGGLE SPREADER. EDMUND S. SARGENT, Windsor, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed June 11, 1925. Serial No. 36,559. 5 Claims. (Cl. 306—19.)



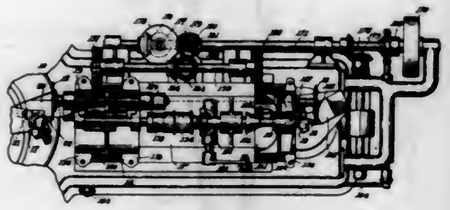
1. A cleaning implement support comprising two spring arms normally in disengaged condition with respect to the implement and adapted to be moved apart to engage the implement, a spreader comprising two members each pivotally attached at one end to one of said arms and at their opposite ends pivotally connected to each other to separate said arms and retain them in spaced relation, said members being arranged to permit the pivot connecting them to pass to opposite sides of a line passing through the pivotal connections of the members to said arms, and means for limiting the movement of said members after the pivot has passed to one side of said line, whereby said arms are retained in spaced apart relation.

1,628,616. LUG-MAKING PRESS. JOHN J. SENGLAR, Tallmadge, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 24, 1925. Serial No. 25,592. 5 Claims. (Cl. 164—14.)



1. In a punch press including relatively movable platens, work clamping means including a pair of plates carried by one platen, means between the plates for yieldingly holding them apart, one of said plates being adapted to be clamped onto the other by the other platen, and yielding means including a resilient pad between the last mentioned plate and said other platen.

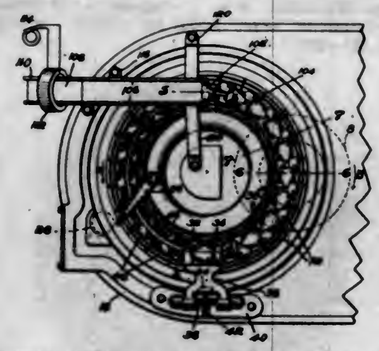
1,628,617. MANUFACTURE OF TOBACCO PIPES. CHARLES F. SMITH, New York, N. Y., assignor, by mesne assignments, to John J. Halpin, H. A. Rich, Ernest A. Bickell, and George H. Frew, jr. Filed Nov. 28, 1924. Serial No. 752,668. 34 Claims. (Cl. 142—3.)



1. In a machine of the character disclosed, a rotary head, a shaft carrier by said head, rock arms on the opposite ends of said shaft, a cutter journaled in one of said arms, a tracer journaled in the other of said arms, a pattern supported for engagement by said tracer, a work holder mounted adjacent the cutter, means for effecting relative axial travel between the tracer and the pattern and between the cutter and the work, means for turning the pattern about an axis substantially transverse to the direction of axial travel to present different portions of the same to the tracer and connections from said pattern for simultaneously and correspondingly turning the work holder.

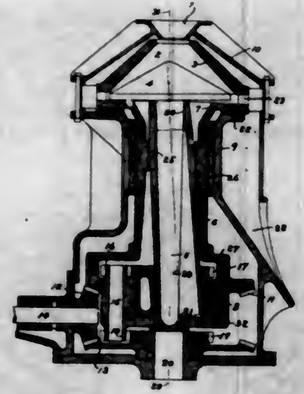
1,628,618. MEANS FOR HANDLING ARTICLES. HENRY K. SPENCER, Watertown, Mass., assignor to The Blanchard Machine Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 6, 1922. Serial No. 592,739. 10 Claims. (Cl. 51—237.)

1. In a work-handling mechanism, the combination of a generally horizontal, rotary work-support presenting an annular groove, means for causing work-pieces to be deposited in a row upon said work-support over said groove which travels horizontally, means to cause said work-pieces to be held against upward and horizontal



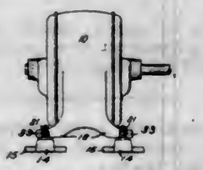
displacement while being worked on, and means extending into said groove to cause the work-pieces to be lifted from said work-support and discharged therefrom.

1,628,619. CRUSHER. CARL G. SPRADO, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 9, 1926. Serial No. 128,076. 15 Claims. (Cl. 83—10.)



1. In a crusher, a pair of crushing members cooperating to form a crushing chamber, and means for relatively gyrating said members, said means comprising a revolvable compound lever structure.

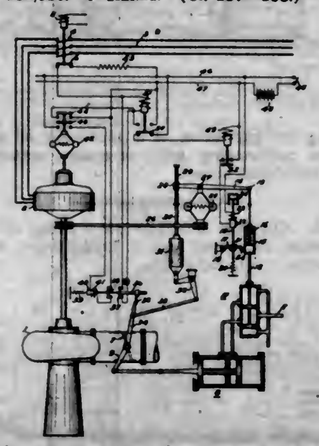
1,628,620. ADJUSTABLE MACHINE SUPPORT. CARL W. STEEN, Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 31, 1921. Serial No. 511,719. 15 Claims. (Cl. 308—11.)



1. In combination, a chambered support, the wall of said support at one side thereof being provided with a through aperture and having a shouldered portion about
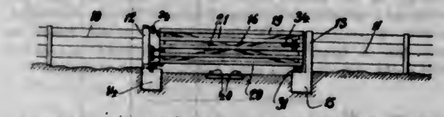
the aperture, and an abutment detachably mounted on said shouldered portion to operatively position the abutment, said abutment having a portion insertible through the aperture in the wall of said support, said insertible portion being adapted to lie within the chamber and to bear outwardly on the wall of said support when the abutment is in operative position thereon.

1,628,621. PRIME-MOVER CONTROL SYSTEM. CHARLES B. TAYLOR, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 13, 1926. Serial No. 154,886. 9 Claims. (Cl. 137—153.)



1. In a control system for a prime mover having a gate for admitting operating fluid thereto, means for operating said gate, means for controlling said operating means to cause said gate to open a predetermined amount, means responsive to a predetermined degree of rotation of said prime mover for causing said controlling means to effect movement of said gate toward closed position a predetermined amount, and means effective when said gate has been moved said predetermined amount for causing said controlling means to effect movement of said gate toward open position.

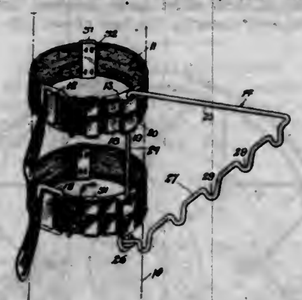
1,628,622. AUTOMATIC RETURN GATE. EDWARD A. DOHMANN, Weesatche, Tex. Filed July 18, 1925. Serial No. 43,095. 1 Claim. (Cl. 39—22.)



A swinging gate adapted to swing in either direction, pivotal supports at one end of said gate, a post on which said pivotal supports are secured, a roller carried at the bottom of said gate to move concentric with the pivots, a metal strip secured at its ends on opposite sides of said post, said strip having a concave upper edge to form a track-way for said roller, and a pair of rollers disposed oppositely on each side of said gate on the end opposite the pivots, the last named rollers extending outwardly beyond the gate structure.

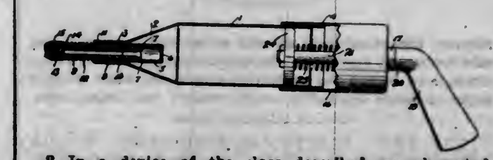
1,628,623. SUPPORT FOR GARMENT HANGERS OR THE LIKE. LLOYD JONNES, Circleville, Ohio. Filed Aug. 18, 1926. Serial No. 130,008. 3 Claims. (Cl. 211—17.)

1. A device of the class described including a pair of flexible straps adapted to encircle an upright support at spaced points, aligned channelled brackets receiving and carried by the straps, a clothes hanger supporting bracket mounted in the channelled brackets, said channelled



brackets including a plurality of sections bendable relative to each other to conform to the surface shape of the upright support.

1,628,624. GREASE GUN. FRANK E. LIVERANCE, Jr., Grand Rapids, Mich. Filed Oct. 27, 1924. Serial No. 746,152. 4 Claims. (Cl. 221—47.4.)



2. In a device of the class described, an elongated container for holding a quantity of lubricant, a cylinder of reduced diameter having a closed inner end, an open outer end secured in one end of the container and extending thereinto in longitudinal alignment with said container, said cylinder having an opening in its side adjacent its inner end, a piston shorter than the length of the cylinder mounted in said cylinder and provided with an outwardly extending stem of reduced diameter, said piston and stem having a longitudinal passage therethrough, a cap connected to the outer end of the cylinder through which said stem passes, a head attached to the outer end of the stem, said head having a passage therethrough, a check valve carried by said head and adjacent end of the stem normally closing said passage, and a coiled spring under compression disposed between the head and cap and around the stem.

1,628,625. WING STRUCTURE FOR AIRCRAFT. ALDO TAMMEO, Genoa, Italy. Filed May 26, 1926, Serial No. 111,850, and in Italy May 28, 1925. 2 Claims. (Cl. 244—29.)

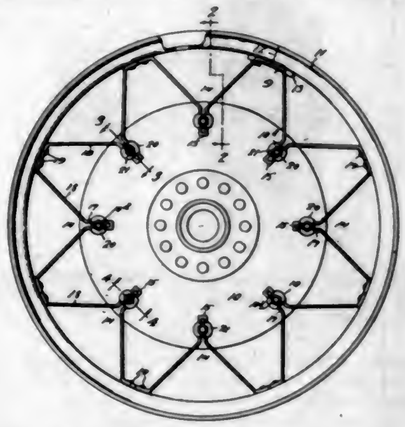


1. In aircraft, the combination with an upper main wing surface and a lower main wing surface of a smaller depth and section than the upper wing surface, of additional wing surfaces of the same depth and section as the lower wing surface, and means for varying the angle of incidence of the lower main wing surface and the additional wing surfaces.

1,628,626. VEHICLE WHEEL. JAMES H. WAGENHORST, Jackson, Mich. Filed July 17, 1924. Serial No. 726,529. 10 Claims. (Cl. 301—6.)

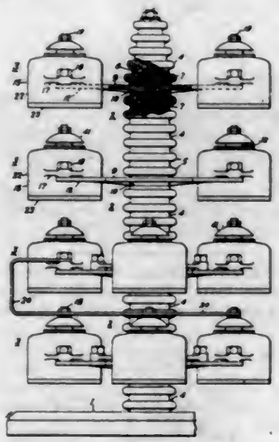
9. A wheel comprising the combination of a brake drum having a plurality of protuberances formed thereon, a plurality of threaded studs carried by and projecting

through the side wall of said brake drum said studs being located adjacent said protuberances, a tire carrying rim, a plurality of strip metal spoke members having feet at their outer ends engaging the base of said rim and riveted



thereto, the inner ends of said spoke members engaging said studs and seating on the protuberances of said brake drum, and means for clamping said inner ends of said spoke members against the side wall of the brake drum.

1,628,627. ELECTRICAL STRUCTURE. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser Corporation, a Corporation of Delaware. Filed June 30, 1923. Serial No. 648,848. 25 Claims. (Cl. 175—41.)



1. An electrical structure built up to constitute a supporting rack or standard and comprising a plurality of superposed spaced apart sections, each including a condenser connected to a condenser of another of said sections, and insulating members between the sections to separate and support same and render the structure a single high-voltage condenser unit.

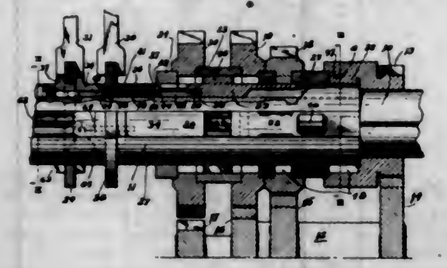
1,628,628. MECHANICAL MINIATURE THEATRICAL. CLARENCE T. HUNT, New Haven, Conn., assignor to William C. Beers, Danbury, Conn. Filed Dec. 13, 1922. Serial No. 606,567. 42 Claims. (Cl. 46—40.)

7. The combination with a plurality of mechanically operable figures representing actors, of a plurality of clock mechanisms, actuating connections between the respective clock mechanisms and the respective figures, and means for successively starting the operation of the clocks



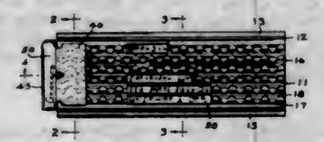
imparting the impression of a succession of parts of a theatrical performance with successive actions of the various individual actors.

1,628,629. CLUTCH MECHANISM. HARRY H. KESSLER, Bethlehem, Pa. Filed Mar. 5, 1926. Serial No. 92,396. 12 Claims. (Cl. 192—67.)



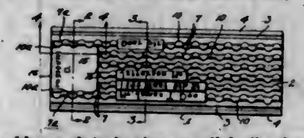
1. In apparatus of the class described, the combination of a rotatable shaft, a member co-axially related to said shaft and having spaced projections provided with working faces extending substantially parallel to the shaft axis, a plurality of independent yieldable key devices having key portions provided with working faces extending substantially parallel to the shaft axis, said key devices being mounted on the shaft and movable relatively thereto to engage in the spaces between projections and said key devices and projections being disposed in odd-even relationship, whereby, a key device may at all times be moved into a space between projections, and means for shifting the key devices with respect to the shaft.

1,628,630. ADDRESS PLATE. HENRY C. OSBORN, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 5, 1926. Serial No. 106,792. 20 Claims. (Cl. 101—369.)



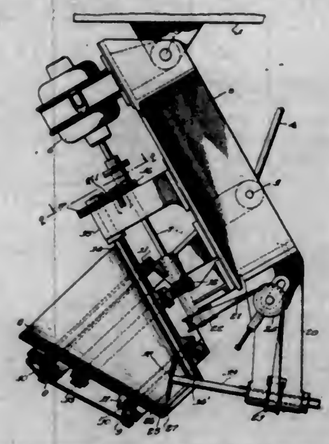
10. In combination an address plate holder, a plurality of parallel printing lines carried thereby and a removable tab secured to the holder across the ends of said lines and extending beyond the end of the holder and provided with an index visible beyond such end.

1,628,631. IDENTIFICATION MEANS FOR ADDRESS PLATES. HENRY C. OSBORN, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 12, 1926. Serial No. 128,760. 14 Claims. (Cl. 101—369.)



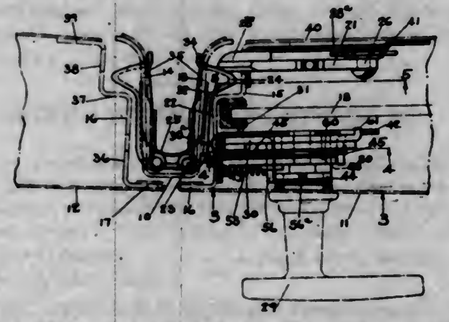
1. An address plate having parallel ribs for supporting individual printing character bearing members, and a removable tab positioned between certain of the ribs and in alignment with others and lying flat against the body of the plate in a plane below the tops of said ribs.

1,628,632. CONTINUOUS SELF-CLEANING MIXER. CALEB PAYNE, Chicago, Ill., assignor to Gypsum Engineering & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 10, 1926. Serial No. 107,856. 17 Claims. (Cl. 259—3.)



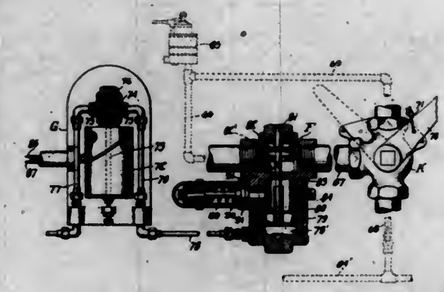
1. A continuous mixer comprising a revoluble mixing receptacle having a discharge opening, and a disk mounted to revolve in said receptacle adjacent the discharge opening and in a plane at an angle to the axis of the receptacle.

1,628,633. LATCH MECHANISM. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 18, 1924. Serial No. 738,344. 30 Claims. (Cl. 292—220.)



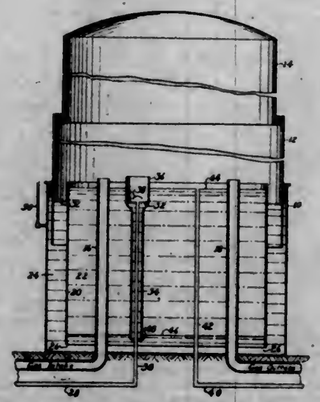
1. A latch mechanism comprising a horizontally swinging bolt adapted to be mounted on a door jamb, a latching member coacting with said bolt adapted to be mounted on and extend longitudinally of the door and means for operating said bolt also adapted to be mounted on the door.

1,628,634. AUTOMATIC TRAIN-CONTROL SYSTEM. EARL C. STAFFORD, Philadelphia, Pa., assignor to The United States Train Signal Company, Portland, Me., a Corporation of Maine. Filed Oct. 2, 1922. Serial No. 591,989. 33 Claims. (Cl. 246—178.)



1. A block control system for railway trains comprising train stopping means, a normally closed electric circuit restraining operation thereof, and auxiliary circuit adapted to restrain operation of the train stopping means, a circuit closer common to both circuits, a ramp for each block, a block-signal-controlled circuit for each ramp, a shoe on the train adapted to be actuated by a ramp for operating the circuit closer to open the main circuit at one point and close the other circuit at one point, a detent to hold the circuit closer in the actuated position, and an electromagnet in circuit with said ramp to inhibit the action of the detent when a clear track is indicated, substantially as set forth.

1,628,635. STORAGE APPARATUS. WILBUR G. LAIRD, New York, N. Y. Filed Mar. 31, 1923. Serial No. 628,960. 20 Claims. (Cl. 221—67.)

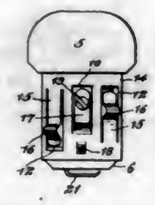


1. Apparatus of the type described which comprises, a tank, an inner wall in said tank spaced from the side wall of said tank to form an inner liquid storage compartment and an outer liquid seal compartment, said inner and outer compartments communicating at one edge of said inner wall, a bell extending over said inner wall and having its lower edge immersed in the liquid in said outer compartment, and means to maintain a

sufficient depth of liquid in said outer compartment to provide a seal for said bell in its normal rise and fall during the introduction and withdrawal of gas.

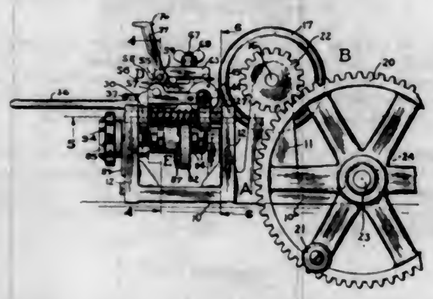
16. A method of storing liquids which comprises, surrounding the liquid with a sealing liquid, enclosing the atmosphere above said liquid in a bell sealed in said surrounding sealing liquid, and displacing stored liquid with sealing liquid when withdrawing stored liquid and displacing sealing liquid with stored liquid when filling to maintain the total volume of liquids approximately constant.

1,628,636. ELECTRIC-CIRCUIT-CLOSING PLUG. FRANKLIN DOMINICK, New York, N. Y. Filed Apr. 23, 1921. Serial No. 463,766. 6 Claims. (Cl. 173—360.)



1. A circuit closing plug having conductor receiving apertures and side and end recesses, a contact sleeve surrounding one end of said plug and provided with an offset finger extending into the side recess, and a folded spring band within the end recess having an arm disposed at a right angle to the plane of said band.

1,628,637. KEY-CUTTING DEVICE. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Filed Apr. 4, 1921. Serial No. 458,185. 63 Claims. (Cl. 90—18.)



1. A key cutting machine, comprising a cutter and a carriage slidably movable relatively thereto, a plurality of stops selectively movable into position to contact with the carriage to variably limit such movement, and a key holder mounted on the carriage.

Patents Nos. 1,628,638 to 1,629,464.

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Reissues	4—No.	18,624 to No.	18,627, inclusive.
Designs	33—No.	72,656 to No.	72,688, inclusive.
Patents	827—No.	1,628,638 to No.	1,629,464, inclusive.
Total	1,250		

ADJUDICATED PATENTS.

(C. C. A. N. J.) The Sarason patent, No. 1,000,298, for a preparation for slowly liberating oxygen, claims 1 and 2 *Held* invalid for inadequate disclosure. *R. H. Comey Co.* v. *Monte Christi Corporation*, 17 F. (2d) 910.

(D. C. Pa.) The Speer and Foster patent, No. 1,071,364, for alloy of iron, claim 1 *Held* not infringed. *American Adamite Co.* v. *Mesta Machine Co.*, 17 F. (2d) 945.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,566,468, S. De Orlo, Hood catch, decided April 8, 1927, claim 1.

Pat. 1,568,198, S. P. Tschappat, Combination tubing spider and support, decided March 24, 1927, claims 1, 2, 3, 5, 6, and 7.

Final decisions have been rendered against the following trade-marks:

T. M. 115,285, Butter, eggs, and cheese, Beyer Bros. Commission Co., New York, N. Y. Registered February 6, 1917. Decided April 9, 1927.

T. M. 153,469, Mattresses, pillows, and box springs, International Bedding Co., Baltimore, Md. Registered March 21, 1922. Decided April 8, 1927.

T. M. 153,470, Mattresses, pillows, and box springs, International Bedding Co., Baltimore, Md. Registered March 21, 1922. Decided April 8, 1927.

T. M. 194,787, Corned-beef sandwich, Deane's Coffee Shoppe, Inc., Pittsburgh, Pa. Registered February 10, 1925. Decided April 6, 1927.

T. M. 222,311, Canned vegetables, Idaho Canning Co., Ltd., Payette, Idaho. Registered December 28, 1926. Decided April 25, 1927.

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Condition of Applications Under Examination at Close of Business May 6, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 80,775; Trade-Mark Division, 1,994. Oldest new case, Oct. 1, 1926; oldest amended, Sept. 8, 1926. The dates given are 1926 except where † indicates 1927.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application awaiting action.	Oldest amended application awaiting action.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	†Feb. 26	†Mar. 1	534
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 11	†Jan. 22	766
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec 13	†Jan. 3	1,504
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Dec. 2	Nov. 22	1,497
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Nov. 20	Nov. 22	976
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Oct. 11	Sept. 9	1,591
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Dec. 1	Dec. 1	1,218
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 29	†Jan. 12	1,610
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Feb. 7	†Feb. 14	822
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Dec. 13	Dec. 24	1,157
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	†Jan. 7	†Jan. 17	947
380	12. PIERCE, P. P., Machine Elements	Dec. 9	Dec. 20	1,170
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 27	Dec. 21	1,227
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Nov. 13	Dec. 13	1,220
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	†Jan. 5	†Jan. 5	1,262
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Jan. 20	†Jan. 22	708
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 28	Nov. 12	717
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 1	Oct. 20	985
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Jan. 27	†Feb. 2	745
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	†Jan. 3	†Jan. 3	963
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Dec. 7	Dec. 8	960
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 4	Nov. 20	842
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 5	Dec. 29	661
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 27	Oct. 1	1,082
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 3	Dec. 15	1,271
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo-Plants	Nov. 26	Nov. 26	888
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Jan. 13	†Jan. 31	829
225	28. BENSON, A. R., Internal-Combustion Engines	†Jan. 7	†Jan. 11	1,163
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 6	Dec. 6	1,154
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	†Jan. 3	†Feb. 5	987
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Dec. 9	Dec. 17	1,649
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	†Jan. 3	†Jan. 3	917
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs, Wooden Buildings.	†Jan. 31	†Jan. 31	1,207
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Nov. 19	Nov. 17	775
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 13	†Feb. 11	803
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	†Feb. 16	†Feb. 21	806
224*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 15	Dec. 15	1,362
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Nov. 22	Nov. 29	1,057
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Feb. 17	†Feb. 25	503
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Dec. 15	Dec. 20	1,822
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 24	†Jan. 27	711
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Nov. 15	Nov. 17	1,500
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Jan. 7	†Jan. 12	927
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 5	Dec. 3	1,193
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	†Jan. 15	†Jan. 21	903
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Oct. 18	Dec. 8	950
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 27	Dec. 27	1,343
213*	48. ROEPKE, O. B., Electricity, General Applications	Dec. 4	Nov. 29	972
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 13	Nov. 24	906
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Jan. 15	†Jan. 17	1,420
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Nov. 12	Nov. 4	1,267
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Dec. 20	†Jan. 10	1,199
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 13	†Jan. 12	995
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	Oct. 1	Sept. 27	1,778
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	Nov. 19	Dec. 13	563
	Designs	†Apr. 7	†Apr. 20	572
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	†Apr. 7	†Apr. 25	1,731
	Labels and Prints	†Apr. 18	†Apr. 28	208

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

IN RE AUGUSTUS M. HERRING, BY THE ASSIGNEE OF HIS ENTIRE INTEREST, JAMES V. MARTIN.

No. 1,906. Decided February 7, 1927.

APPLICATION — ABANDONMENT — PETITION TO REVIVE — LONG DELAY IN FILING—DELAY IN PROSECUTION NOT UNAVOIDABLE.

Where the claims were finally rejected on January 4, 1898, and no response was made until July 1, 1910, when a petition to revive was filed, which petition was denied on August 22, 1910, and then no further action was taken by applicant until February 11, 1924, when another petition to revive was filed, *Held* that the application should not be revived after these long and inexcusable delays.

APPEAL from the Patent Office. Affirmed.

Mr. James V. Martin pro se.

Mr. T. A. Hostetler for Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Patent Office denying a petition to revive an abandoned application for patent on a power-driven aeroplane.

The original application was filed December 11, 1896, and the claims were finally rejected on January 4, 1898. No further action was taken until July 1, 1910, or 12½ years later, when a petition for revival was filed. On August 22, 1910, this petition was denied, the Commissioner pointing out that for at least three years and probably longer the operativeness of heavier-than-air machines had been demonstrated, and that the applicant was guilty of laches in not moving earlier. No further action was taken by the applicant until February 11, 1924, a period of more than 13 years, when the present application was filed.

This application was refused upon the ground that no new reasons excusing the delay in filing the first application had been advanced, except that applicant had been engaged in a legal controversy in 1900 and for several years thereafter had devoted himself and his resources to that litigation. As to this additional ground, the Commissioner said:

> It appears the applicant at the time he filed his former petition was represented by able counsel and nothing is recited to show he has not or could not have had the benefit of advice from his counsel as to his rights in asking rehearing of the former petition at any time since July, 1910. No showing is made that applicant ever asked advice of his former attorneys or requested them to prepare a petition for rehearing of the decision of July, 1910.

Following this action by the Commissioner, applicant filed another petition to revive. After a hearing, this application was denied. Thereafter applicant filed a petition for "decision of final allowance or final rejection." Again the Commissioner, with painstaking care, considered applicant's contentions and held the application abandoned.

When this applicant permitted his application to become abandoned, other inventors were engaged in the development of this art, and it is common knowledge, as pointed out by the Commissioner, that within a comparatively short time their efforts were crowned with success. In these circumstances, prompt action was demanded of this applicant. To permit him now, after his long and inexcusable delay, to revive his abandoned application, might result in very serious injustice to those inventors who persevered to the goal of success. The decision of the Commissioner was right and is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE MARKEL.

No. 1,901. Decided February 7, 1927.

1. REISSUE—BROADER CLAIMS—EXCUSE FOR NEARLY FIVE YEARS' DELAY IN FILING INSUFFICIENT.

Where the reissue application was filed nearly five years after the grant of the patent and with broader claims, and applicant relied upon his employment by the American Government during the World War to excuse the delay, *Held* that the excuse is insufficient.

2. SAME—DELAY IN FILING—SECTIONS 1 AND 6 OF NOLAN ACT NOT APPLICABLE.

Where applicant urged that the provisions of sections 1 and 6 of the Nolan Act (41 Stat. 1313) are applicable to the filing of reissue applications, *Held* that section 1 relates to questions of priority while section 6 is applicable only to applications which became abandoned or forfeited during the time the applicant was serving abroad with the forces of the United States.

APPEAL from the Patent Office. Affirmed.

Mr. J. T. Basseches, Mr. Paul Carpenter, Mr. B. J. McCann, and *Mr. J. H. McCann* for Markel.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Commissioner of Patents refusing an application for reissue of a patent, relating to cross-heads for locomotive engines, with broader claims, the application having been filed almost five years after the grant of the patent.

Two reasons for the allowance of this application are advanced: First, that applicant's delay was due to the fact that he was employed by the American Government as chief locomotive inspector on new railway locomotives for the United States Railroad Administration, during the World War; and, second, that the provisions of the so-called Nolan Act, (41 Stat. 1313), are applicable.

As to the first reason, the Commissioner said:

> Appellant was merely a civil employee of the Government for a short time and was in this country at all times. The nature of his employment in no way interfered with his giving attention to his patent and to what it covered and discovering the reasons now presented in support of broadened claims.

This ruling constituted no abuse of discretion. *In re Loes*, 282 O. G. 742, 50 App. D. C. 163, 269 Fed. 679, and cases there cited.

[2] As to the second reason, sections 1 and 6 of the Nolan Act are relied upon. We agree with the Patent Office that the Nolan Act does not apply here. Section 1 relates to questions of priority, while section 6 is applicable only to applications which became abandoned or forfeited during the time the applicant was serving abroad with the forces of the United States.

The decision is affirmed.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

913,591. (See 1,178,086.)

935,801, T. V. Maxedon, Printed manifolding form, suit filed Sept. 8, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 430, *T. V. Maxedon* v. *American Railway Express Co.* Dismissed by consent Mar. 28, 1927.

977,651. (See 1,178,086.)

995,758, H. M. Alleyn, Caster for furniture, suit filed May 19, 1925, D. C., S. D. N. Y., Doc. E 32/119, *F. W. Lincoln et al.* (*H. W. Peabody & Co.*) v. *A. Scheinert et al.* (*Scheinert Bros.*) Decree granting injuction Mar. 30, 1927.

1,013,540, K. S. Faucette, Cutter head, suit filed Mar. 25, 1927, D. C. Wash. (Seattle), Doc. 578, *K. S. Faucette* v. *S. A. Woods Machine Co.*

1,047,549, W. G. Moffet, Vending machine, suit filed Feb. 23, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–71–H, *W. G. Moffet* v. *Stewart Stationery Vending Machine Co. et al.*

1,056,498, C. C. Buckels, Outlet-box support, suit filed Mar. 2, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6909, *Roach-Appleton Mfg. Co.* v. *Hyland Electrical Supply Co.*

1,090,370, 1,105,053, Re. 13,932, Wylde & Schenck, Door-controlling device, suit filed Mar. 23, 1927, D. C. Del., Doc. E 636, *Elevator Supplies Co., Inc.*, v. *Graham & Norton Co. et al.*

1,105,053. (See 1,090,370.)

1,133,251, R. E. Adams, Grader; Re. 16,200, J. D. Adams, Ditch-forming grader, suit filed Mar. 30, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2166, *R. E. Adams et al.* (*J. D. Adams & Co.*) v. *The Galion Iron Works & Mfg. Co.*

1,134,164, K. R. Schuster, Concrete building, suit filed Mar. 28, 1927, D. C., S. D. Tex. (Houston), Doc. E 300, *The Whitacre Engineering Co.* v. *The Petroleum Bldg. Co. et al.*

1,147,689, J. Stranders, Advertising device, suit filed Jan. 31, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–52–J, *H. B. Kruger* v. *Western Lithograph Co.*

1,169,828, H. H. Hull, Closure for bottles and jars and method of affixing same, suit filed Mar. 11, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6923, *Anchor Cap & Closure Corp.* v. *S. N. Tevander et al.*

1,178,086, C. W. Lummis, Gas producer; 1,274,176, same, Feeding mechanism for gas producers; 1,255,015, E. A. W. Jefferies, Gas producer; 977,651, W. B. Hughes, same; 913,591, J. A. Waldburger, same, appeal filed in C. C. A. (6th Cir.), Doc. 4450–4453–4454, *Morgan Construction Co.* v. *The Wellman-Seaver-Morgan Co.* Decrees reversed; Patents 1,274,176, 1,255,015, and 977,651 held infringed; Patents 1,178,086 and 913,591 held not infringed Mar. 18, 1927.

1,180,745, R. W. Upp, Dental device, suit filed Mar. 23, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6974, *R. W. Upp* v. *J. B. La Due.*

1,202,806, J. O. Clark, jr., Dipper teeth, suit filed May 10, 1926, D. C., S. D. Calif. (Los Angeles), Doc. K–36–M, *American Manganese Steel Co.* v. *Alloy Steel & Metals Co.* Patent held valid and infringed Mar. 14, 1927.

1,255,015. (See 1,178,086.)

1,255,084, 1,256,210, W. W. Dean, Switch; 1,295,914, R. H. Manson, Circuit controller; 1,607,272, R. B. Benjamin, Switch, suit filed Mar. 28, 1927, D. C. Del., Doc. E 638, *Benjamin Electric Mfg. Co.* v. *General Motors Corp.*

1,256,210. (See 1,255,084.)

1,266,086, P. J. Wesolowski, Latch, suit filed Mar. 26, 1927, D. C., E. D. Mich. (S. Div.) Doc. 1962, *P. J. Wesolowski* v. *Ford Motor Co,*

1,273,435, F. D. Williams, Method of taking motion pictures, suit filed Mar. 4, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–78–M, *M. Handschiegl* v. *F. D. Williams.* Cause remanded to State court Mar. 19, 1927.

1,274,176. (See 1,178,086.)

1,295,914. (See 1,255,084.)

1,307,734, A. V. Gullborg, Lubricating means; 1,459,662, C. W. Manzel, Lubricating system; Re. 14,667, F. D. Winkley, same, appeals filed in C. C. A. (6th Cir.), Doc. 4461–4462, *The Lyman Mfg. Co. et al.* v. *The Bassick Mfg. Co.*; Doc. 4463–4464, *The Peerless Automatic Machine Co.* v. *The Bassick Mfg. Co.*; Doc. 4571–4572, *The Bassick Mfg. Co.* v. *The O. K. Mfg. Co. et al.*; Doc. 4601–4766, *The Bassick Mfg. Co.* v. *The Larkin Automotive Parts Co.*; Doc. 4611, *The Bassick Mfg. Co.* v. *Wag's Auto Accessories Co.*; Doc. 4612, *The Bassick Mfg. Co.* v. *The Rigg's Tire & Supply Co.* Decrees of district court reversed or modified Mar. 23, 1927.

1,314,996, 1,498,141, E. C. Wilson, Well elevator; 1,341,957, same, Hoist; 1,490,445, 1,468,589, W. W. Wilson, Well elevator; 1,486,471, G. E. Wilcox, Well-pipe elevator; 1,511,699, same, Lock for well-casing elevator, suit filed Mar. 10, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–82–J, *Wilson Oil Tools Corp. et al.* v. *Dunn Mfg. Co. et al.*

1,317,096. (See 1,522,980.)

1,341,957. (See 1,314,996.)

1,359,124, A. M. Springer, Ironing board; 1,369,943, J. E. Springer, Folding table, suit filed Mar. 30, 1927, D. C., W. D. Mich. (S. Div.), Doc. 2102, *Rid-Jid Products Corp. et al.* v. *American Woodenware Co.*

1,360,256, 1,528,178, E. Anderson, Can opener, suit filed Mar. 4, 1927, D. C., S. D, Calif. (Los Angeles), Doc. L–79–J, *Star Can Opener Co.* v. *National Metal Products Co. et al.*

1,369,943. (See 1,359,124.)

1,390,747, J. G. Balsillie, Reflector for use in light projectors, suit filed Jan. 26, 1925, D. C., S. D. Calif. (Los Angeles), Doc. I–67–M, *The American Flatlite Co.* v. *Morrison Mfg. Co. et al.* Dismissed without prejudice Mar. 14, 1927.

1,456,906. (See 1,522,980.)

1,459,662. (See 1,307,734.)

1,468,589. (See 1,314,996.)

1,486,471. (See 1,314,996.)

1,490,445. (See 1,314,996.)

1,498,141. (See 1,314,996.)

1,499,923. (See 1,522,980.)

1,511,699. (See 1,314,996.)

1,516,681. (See 1,522,980.)

1,522,980, Roco & Layne, Rotary pump mechanism; 1,516,681, F. H. Palmer, Antireversing pump head; 1,499,923, S. N. Hall, Clutch device for pumps; 1,456,906, J. D. Noland, Centrifugal pump; 1,603,548, M. E. Layne, Shaft coupling; 1,317,096, Palmer & Carter, Automatic self plumbing and oiling pump head; Re. 13,467, Well mechanism, suit filed Feb. 10, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–65–H, *Layne & Bowler Corp.* v. *Peerless Pump Co. et al.*

1,528,178. (See 1,360,256.)

1,591,550, A. E. Rosenthal, Removable foot for supporting legs, suit filed Mar. 30, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6991, *Clarin Mfg. Co.* v. *Flat Fold Chair Co.*

1,603,548. (See 1,522,980.)

1,607,272. (See 1,255,084.)

Re. 13,467. (See 1,522,980.)

Re. 13,932. (See 1,090,370.)

Re. 14,667. (See 1,307,734.)

Re. 15,095, G. A. Humason, Pump, suit filed Jan. 31, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–53–H, *T. C. Bannon* v. *The Southern California Drilling Co. et al.*

Re. 16,200. (See 1,133,251.)

Changes in Classification.

Order No. 3,010, April 29, 1927, directs:

In *class 103, Pumps* (Division 9), establish the following subclasses and definitions, the patents contained in these subclasses having been taken for the most part from class 162, Injectors and Ejectors, subclasses 1, Miscellaneous; 2, Injector, Fluid-level controlled; and 3, Ejector, Fluid-level controlled, abolished in this order:

258 Jet—
259 Combined types,
260 Well or vertical-lift type
261 Successive jets,
262 Hydraulic jet,
263 Pneumatic jet,
264 Steam jet
265 Live and exhaust steam,
266 Plural jets
267 Successive
268 With manual valve control,
269 With manual valve control,
270 With manual valve control,
271 Regulators
272 For nozzles,
273 For combining tubes
274 Pressure controlled,
275 Pressure-controlled overflow,
276 Float controlled,
277 Elements
278 Nozzles.

258. JET. Directed to devices embracing fluid-jet-producing means or nozzle structure adapted to discharge a motive fluid having a relatively high velocity, with means whereby the motive fluid, by its energy of motion and by frictional contact, acts to entrain and carry with it a liquid or partially liquid fluid to effect the pumping action, not falling within the scope of the indented subclasses or otherwise specifically provided for in existing classes.

Note.—Jet pumps effecting the pumping action by unbalanced liquid columns through aeration of one of the liquid columns are classified in this class, subclass 282, and the subclass indented thereunder.

Note.—For jet pumps of special application or forming an element in a combination of greater scope than a pump see the following classes:

4—BATHS, CLOSETS, SINKS, AND SPITTOONS, subclass 4, Tub and basin.

48—GAS, HEATING AND ILLUMINATING, subclass 104, Generators, Retort, Oil, Jet mixers.

51—ABRADING, subclass 11, Machines, Sand blast, Nozzles, for applying abrading materials.

91—COATING, subclass 45, Machines, Fountain, Projection, Air brush, for applying coating materials.

110—FURNACES, subclasses 150, Draft regulators, Steam injector, and 160, Draft regulators, Stack, Air jet, and the subclass indented thereunder.

122—LIQUID HEATERS AND VAPORIZERS, subclasses 384, Cleaning, Blow-off, Bottom, Internal conduit, Ejector; 390, Cleaning, Fluid jet, and the subclasses indented thereunder; and 395, Cleaning, Sand blast.

158—LIQUID AND GASEOUS FUEL BURNERS, subclasses 73, Burners, Liquid fuel, Spray, and 75, Burners, Liquid fuel, Spray, Oil and steam.

184—LUBRICATION, subclass 56, Lubricators, Force feed, Fluid operated, Steam or air, Injectors.

210—LIQUID SEPARATION OR PURIFICATION, subclass 40, Water purification, Chemical treatment, Chemical feeders, Pump or injector.

230—GAS PUMPS AND FANS, subclass 92, Fluid displacement, Jet pumps, and the subclasses indented thereunder, for air or gas jet pumps.

261—GAS AND LIQUID CONTACT APPARATUS, subclass 76, Contact devices, Injector type, and the subclass indented thereunder.

291—TRACK SANDERS, subclass 3, Fluid delivery, for sand-applying devices.

239—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclasses 109, Nozzles, Air-supply devices for firemen, and 140, Nozzles, Multiple inlet.

302—CONVEYERS, FLUID CURRENT, subclasses 14, Hydraulic conveyers; 20, Pneumatic conveyers, Auxiliary liquid injector; and 25, Pneumatic conveyers, Combined suction and pressure, Jet, for conveying solids in fluent form, broadly.

259. JET, COMBINED TYPES. Directed to devices adapted to utilise a plurality of motive fluids having different physical properties or to devices embracing a plurality of jet pump units of different nozzle types, structurally associated to form a unitary pumping mechanism.

Note.—Where steam of different pressure is utilized as the motive fluids, see this class, subclass 265.

Search Classes—

230—GAS PUMPS AND FANS, subclass 93, Fluid displacement, Jet pumps, Combined-nozzle type.

302—CONVEYERS, FLUID CURRENT, subclass 20, Pneumatic conveyers, Auxiliary liquid injector.

260. JET, WELL OR VERTICAL-LIFT TYPE. Devices especially adapted in structure to effect a vertical pumping action, as where the source of supply is either a shallow well or a drilled well or the like, not falling within the scope of the indented subclass.

Search this class, subclass 232, and the subclass indented thereunder.

261. JET, WELL OR VERTICAL-LIFT TYPE, SUCCESSIVE JETS. Such devices in which a plurality of impelling units act in series or in succession upon the liquid to move it in steps or stages.

Search this class, subclass 233.

262. JET, HYDRAULIC JET. Such devices adapted to utilize a liquid actuating or entraining fluid as the motive force.

Search Classes—

37—EXCAVATING, subclass 61, Dredgers, Suction, With jet pump, and the subclass indented thereunder.

230—GAS PUMPS AND FANS, subclass 92, Fluid displacement, Jet pumps.

302—CONVEYERS, FLUID CURRENT, subclasses 14, Hydraulic conveyers, and the subclasses indented thereunder, and 20, Pneumatic conveyers, Auxiliary liquid injector.

263. JET, PNEUMATIC JET. Such devices adapted to utilize a gaseous actuating or entraining fluid, such as air or the like, as the motive force, not otherwise specifically provided for in this class.

Search this class, subclasses 232, and the subclass indented thereunder, and 260, and the subclass indented thereunder.

Search Class—

230—GAS PUMPS AND FANS, subclass 95, Fluid displacement, Jet pumps, Elastic motive fluid, and the subclasses indented thereunder.

264. JET, STEAM JET. Such devices adapted especially to utilize steam as the motive fluid not falling within the scope of the indented subclasses.

Search Class—

230—GAS PUMPS AND FANS, subclass 95, Fluid displacement, Jet pumps, Elastic motive fluid, and the subclasses indented thereunder.

265. JET, STEAM JET, LIVE AND EXHAUST STEAM. Such devices especially adapted to utilize low-pressure steam, such as the exhaust steam from an engine, and high-pressure steam, as the motive fluids.

Note.—The live steam may be applied through a separate nozzle to increase the pumping effect of the exhaust steam or may be mixed therewith to increase the pressure effect or the device may provide for the selective use of live and exhaust steam.

Search this class, subclass 259, for multiple motive fluids for jet pumps, broadly.

266. JET, STEAM JET, PLURAL JETS. Such devices in which a multiplicity of jet-pump units are structurally associated to form a unitary pumping mechanism or in which a unitary nozzle structure is adapted to discharge a plurality of motive-fluid jets, not falling within the scope of the indented subclasses.

Search Class—

230—GAS PUMPS AND FANS, subclasses 103, Fluid displacement, Jet pumps, Elastic motive fluid, Plural jets, and 110, Fluid displacement, Jet pumps, Plural jets.

267. JET, STEAM JET, PLURAL JETS, SUCCESSIVE. Such devices in which the impelling units of the pumping mechanism act in series or in succession upon the liquid to move it in steps or stages and in which the successive jets are provided with separate and successive combining tubes, not falling within the scope of the indented subclasses.

Note.—Plural jets discharging in successive planes of a common combining tube are classified in this class, subclass 266.

268. JET, STEAM JET, PLURAL JETS, SUCCESSIVE, WITH MANUAL VALVE CONTROL. Devices, as indicated, provided with manually-operable valve means for controlling one or more functions of the mechanism.

Note.—Compare this subclass and subclasses 269 and 270.

269. JET, STEAM JET, PLURAL JETS, WITH MANUAL VALVE CONTROL. Devices, as indicated, provided with manually-operable valve means for controlling one or more functions of the mechanism.

Note.—Compare this subclass and subclasses 268 and 270.

270. JET, STEAM JET, WITH MANUAL VALVE CONTROL. Devices, as indicated, provided with manually-operable valve means for controlling one or more functions of the mechanism.

Note.—Compare this subclass and subclasses 268 and 269.

271. JET, REGULATORS. Directed to devices for varying, controlling, or regulating the operation or effect of jet-pump apparatus, which are limited in application to pumps of such type or which embrace, in the combination claimed, structure necessarily that of a jet pump, not falling within the scope of the indented subclasses or otherwise provided for in existing classes.

Note.—Compare this class, subclasses 268, 269, and 270.

Search Class—

230—GAS PUMPS AND FANS, subclasses 98, Fluid displacement, Jet pumps, Elastic motive fluid, Flue, With spark arresters, Regulators; 99, Fluid displacement, Jet pumps, Elastic motive fluid, Flue, Regulators, and the subclass indented thereunder; and 111, Fluid displacement, Jet pumps, Regulators, and the subclass indented thereunder.

272. JET, REGULATORS, FOR NOZZLES. Directed to devices for varying or controlling the effect of or adjusting the nozzle or fluid jet producing means of such pumps.

Search Class—

230—GAS PUMPS AND FANS, subclasses 100, Fluid displacement, Jet pumps, Elastic motive fluid, Flue, Regulators, For jets, and 112, Fluid displacement, Jet pumps, Regulators, Nozzle and/or combining tubes.

273. JET, REGULATORS, FOR COMBINING TUBES. Directed to devices for varying or controlling the effect of or adjusting combining tubes of jet pumps, not falling within the scope of the indented subclasses.

Search Class—

230—GAS PUMPS AND FANS, subclass 112, Fluid displacement, Jet pumps, Regulators, Nozzle and/or combining tubes.

274. JET, REGULATORS, FOR COMBINING TUBES, PRESSURE CONTROLLED. Such devices provided with means to effect control through variations in fluid-pressure conditions, the effect of the pumping action.

275. JET, REGULATORS, PRESSURE-CONTROLLED OVERFLOW. Such devices provided with means to effect control of the fluid waste or overflow in pumps of the type indicated through variations in fluid-pressure conditions, the effect of the pumping action.

276. JET, REGULATORS, FLOAT CONTROLLED. Such devices in which control of the pumping action is effected through variations in liquid-level conditions by means of a buoyant member.

Search this class, subclasses 14, 18, 28, 32, and 34.

Search Class—

137—WATER DISTRIBUTION, subclasses 68, Tanks, Automatic, and 104, Float valves.

277. JET, ELEMENTS. Directed to elemental parts peculiarly adapted in use to pumps of the jet type or which embrace structure in the combination claimed necessarily a part of such pumps, not falling within the scope of the indented subclass or otherwise provided for in existing classes.

278. JET, ELEMENTS, NOZZLES. Directed to the structure of nozzles or fluid-jet-producing means, peculiarly adapted and limited in application to pumps of the jet type.

Note.—See list of classes enumerated in search notes under subclass 258 of this class for mechanisms embracing nozzle structure.

In *class 155, Chairs and Seats* (Division 8), subclass 42, Convertible, Stepladders, add to the definition the following note:

Search Class—

228—LADDERS, subclass 30, Propped, Stepladder type, Storage-frame prop, for stepladders in which the top platform of the ladder is described as being used as a chair or stool.

In *class 162, Injectors and Ejectors* (Division 9), abolish the class, the patents contained in the three remaining subclasses—viz, 1, Miscellaneous; 2, Injector, Fluid-level controlled; and 3, Ejector, Fluid-level controlled—having been placed for the most part in class 103, Pumps, subclass 258, Jet, and the subclasses indented thereunder, established in this order.

In *class 166, Wells* (Division 38), abolish the following subclass, with its definition, the patents formerly contained in this subclass having been placed for the most part in class 103, Pumps, subclass 260, Jet, Well or vertical-lift type, established in this order, and subclass 232, Aerated column, and in class 166, Wells, subclass 2, Flowing:

Flowing
3 Ejecting.

In *class 166, Wells* (Division 38), subclass 2, Flowing, add to the definition the following note:

Note.—Where the device for effecting liquid flow from a well is a pumping mechanism, such device is classified in appropriate subclasses in class 103, PUMPS, whether the motive fluid for producing the pumping action is from a tank, pump, or natural pressure. See especially class 103, PUMPS, subclasses 232, Aerated column, and the subclass indented thereunder, and 260, Jet, Well or vertical-lift type, and the subclass indented thereunder.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 17, 1927.

[VOL. 358. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 185,729. (CLASS 15. OILS AND GREASES.) JASPER N. THOMPSON, Chicago, Ill., assignor to Ford Oil Corporation, Chicago, Ill., a Corporation of Delaware. Filed Sept. 12, 1923.

FORD OIL

The trade-mark consists of the word "Ford" above the word "Oil," with a single relatively large "O" serving for both the intermediate letter of the upper word and the initial letter of the lower word, as shown in the accompanying specimens. No claim is made for the word "Ford" nor to "Oil" except in the particular form and association shown.

Particular description of goods.—Lubricating Oils.

Claims use since about Sept. 1, 1923.

Ser. No. 196,261. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCHALK CHEMICAL COMPANY, Los Angeles, Calif. Filed Apr. 28, 1924.

TEX

Trade-mark consists of the word symbol "Tex."

Particular description of goods.—Cleaning Compound with Bleaching Qualities.

Claims use since Mar. 24, 1924.

Ser. No. 203,930. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Oct. 16, 1924.

HEXAGON

Particular description of goods.—Asphalt Roofing.

Claims use since Dec. 24, 1920.

Ser. No. 207,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN A. HULL, doing business as Electrine Company, Bay City, Mich. Filed Jan. 7, 1925.

ELECTRINE

Particular description of goods.—Liniment.

Claims use since May 26, 1874.

Ser. No. 209,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. MERLINO & SONS, Seattle, Wash. Filed Feb. 9, 1925.

BUON GUSTO

Particular description of goods.—Canned Tomatoes, Tomato Sauce, Canned Peas, Canned Beans, Canned and Bottled Olives, Canned Cottonseed Salad Oil, Dried Codfish, Canned Corn, Bottled Vinegar, and Canned Artichokes.

Claims use since 1911.

Ser. No. 211,841. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD FRANK, doing business as Richard Frank & Co., New York, N. Y. Filed Mar. 30, 1925.

SURPRISE

Particular description of goods.—Canned Crushed Fruits in Sirup.
Claims use since Feb. 2, 1925.

Ser. No. 213,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAMBERLAIN AND COMPANY, INCORPORATED, Boston, Mass. Filed Apr. 28, 1925. Under 10-year proviso.

STERLING

Particular description of goods.—Corned Beef Packed in Bulk in Barrels.
Claims use since Jan. 1, 1895.

Ser. No. 215,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga. Filed June 8, 1925.

PLEE-ZING

Particular description of goods.—Evaporated Milk, Cocoa, Conserved Fruits, and Fruit Preserves, Honey, Canned Shellfish; Canned Meats—Namely, Roast Beef and Tripe; Dried Fruits—Namely, Raisins, Currants; Canned Soups, Gelatin, Food-Flavoring Extracts, Sandwich Spread Having a Mayonnaise Base; Condiments—Namely, Catchup, Pepper; Salad Dressings, Peanut Butter, Olives, Chile Con Carne, and Chop Suey.
Claims use since February, 1925.

Ser. No. 220,911. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, Grand Forks, N. Dak. Filed Sept. 28, 1925.



Particular description of goods.—Wheat Products—Namely, Fancy Flour.
Claims use since Nov. 1, 1922.

Ser. No. 220,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, Grand Forks, N. Dak. Filed Sept. 28, 1925.



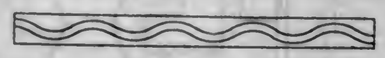
Particular description of goods.—Wheat Products—Namely, Fancy Patent Flour.
Claims use since Nov. 1, 1922.

Ser. No. 225,525. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE SOUTH DAKOTA CROP IMPROVEMENT ASSOCIATION, Brookings, S. Dak. Filed Jan. 5, 1926.



The words "South Dakota Seeds" are disclaimed apart from the mark as shown.
Particular description of goods.—Farm Seeds Such as Alfalfa, Sweet Clover, Soy Beans, Corn, Wheat, Oats, Barley, Flax, Millets, Sorghums, and Grass Seeds.
Claims use since Jan. 1, 1925.

Ser. No. 225,804. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Jan. 11, 1926.



The trade-mark consists of a wavy line, strip, or band.
Particular description of goods.—Gas-Burning Water Heaters, Air and Gas Mixers for Gas-Burning Devices, Gas-Fired Steam Boilers; Furnaces—Namely, Gas-Fired Furnaces for Domestic and Industrial Purposes; and Parts or Appliances Used on the Foregoing.
Claims use since Mar. 13, 1922.

Ser. No. 226,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSERVENFABRIK LENZBURG VORM. HENCKELL & ROTH, Lenzburg, Switzerland. Filed Jan. 19, 1926.



Applicant disclaims all right to the words "Conserves" and "Lenzbourg" apart from the mark as shown.
Particular description of goods.—Conserved Fruits and Vegetables, Marmalades, and Jams.
Claims use since Oct. 21, 1916.

Ser. No. 227,376. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES GUTTA PERCHA PAINT COMPANY, Providence, R. I. Filed Feb. 16, 1926.



No claim is made to the exclusive right to the use of the word "Flow-on" apart from the mark shown.
Particular description of goods.—Paints in Paste and Ready-Mixed Form.
Claims use since Jan. 7, 1910.

Ser. No. 227,578. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Feb. 20, 1926.

MOHAWK

Particular description of goods.—Blotting Paper.
Claims use since Jan. 1, 1923.

Ser. No. 227,793. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926.



No claim is made to the words "Dawn Gray" apart from the mark as shown.
Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Oct. 7, 1925.

Ser. No. 227,817. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WERNER & MERTZ AKTIENGESELLSCHAFT, Maine, Germany. Filed Feb. 25, 1926.

Erdal

Particular description of goods.—Polishing Paste for Shoes, Liquid Shoe Polish, Polishing Stone for Shoes, Leather Oil, and Grease for Boots.
Claims use since Mar. 9, 1920.

Ser. No. 228,281. (CLASS 10. FERTILIZERS.) U. S. EXPORT CHEMICAL CORPORATION, Tampa, Fla., and New York, N. Y. Filed Mar. 6, 1926.



No claim is made to the words "Florida Triple Phosphate" apart from the mark shown on drawing.
Particular description of goods.—Fertilizers.
Claims use since August, 1925.

Ser. No. 228,855. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FLOYD KOON, Highland Park, Ill. Filed Mar. 19, 1926.

No exclusive right to the word "Brakes" apart from the mark shown being claimed.

Particular description of goods.—Fluid for Correcting the Gripping Capacity of Friction Brakes.

Claims use since Dec. 15, 1925.

Ser. No. 229,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHEMISCHE FABRIK "PROMONTA" GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Hamburg, Germany. Filed Mar. 25, 1926.

„Promonta"

Particular description of goods.—Dietetic Foods—Namely, Cereal Dietetic Foods.

Claims use since October, 1919.

Ser. No. 229,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL MINERAL HEALTH FOOD CO., Chicago, Ill. Filed Apr. 8, 1926.

No claim is made to applicant's address apart from the mark as shown.

Particular description of goods.—Mineral Health Food.

Claims use since Feb. 15, 1926.

Ser. No. 229,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD A. ZINK, doing business as The Co-Quin-Ol Company, New York, N. Y. Filed Apr. 10, 1926.

The drawing is conventionally lined to designate the colors green, blue, and orange. The representation of a label or carton is disclaimed.

Particular description of goods.—Shampoo and Corrective for Dandruff.

Claims use since September, 1924.

Ser. No. 230,011. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BLOOD TONE ARM COMPANY, Bay City, Mich. Filed Apr. 12, 1926.

MASTERTONE

Particular description of goods.—Loud-Speaker Units.

Claims use since Jan. 1, 1925.

Ser. No. 230,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD, CROSSET & RILEY, Cincinnati, Ohio, assignor to Leonard, Crosset & Riley, Inc., Cincinnati, Ohio, a Corporation of Delaware. Filed Apr. 15, 1926.

DIXIE QUEEN

The portrait shown in the drawing is merely fanciful.

Particular description of goods.—Fresh Watermelons.

Claims use since Mar. 31, 1926.

Ser. No. 230,703. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILSON CANNING COMPANY, Mexico, N. Y. Filed Apr. 24, 1926.

LILY

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since about 1888.

Ser. No. 231,937. (CLASS 20. LINOLEUM AND OILED CLOTH.) LISHER & RATTO, Napa, Calif. Filed May 20, 1926.

CLIM-ER-EGE

Particular description of goods.—Floor and Wall Coverings of Linoleum.

Claims use since Oct 9, 1925.

Ser. No. 232,331. (CLASS 15. OILS AND GREASES.) THE HICKOK PRODUCING CO., Toledo, Ohio. Filed May 27, 1926.

NOXOUT

Particular description of goods.—Gasoline.

Claims use since May 21, 1926.

Ser. No. 232,993. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELIZABETH H. CHEIN, Harrison, N. J. Filed June 10, 1926.

HERCULES

Particular description of goods.—Sheet-Metal Toys—Namely, Toy Wagons, Toy Carts, Toy Cars, Toy Automobiles, Toy Engines, Toy Cranes, and Toy Aeroplanes.

Claims use since Jan. 1, 1926.

Ser. No. 235,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB CO., Chicago, Ill. Filed Aug. 10, 1926.

Webb's

The mark is written in the handwriting of Thomas J. Webb, president of the applicant corporation.

Particular description of goods.—Spices—Namely, Ground and Whole White Pepper, Ground Black Pepper, Ground Red Pepper, Ground and Whole Allspice, Whole Anise Seed, Ground Cinnamon, Ground and Whole Ginger, Ground and Whole Nutmeg, Ground and Whole Mustard, Ground Celery Salt, Ground Turmeric, Whole Fennel Seed, Ground and Whole Cloves, Whole Laurel Leaves, Whole Pickling Spice, Whole Leaf Marjoram, Whole Leaf Savory, and Ground Paprika; Flavoring Extracts for Food Purposes, such as Lemon Extract and Vanilla Extract; Condiments—Namely, White Vinegar and Cider Vinegar and Prepared Edible Mustard.

Claims use since Aug. 7, 1925, on spices; July 15, 1925, on flavoring extracts for foods; Aug. 17, 1925, on vinegar; Jan. 25, 1926, on mustard.

Ser. No. 235,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1926.



No right to registration is claimed for the representation of the carton as distinguished from the arrangement nor to the matter in small type on the face and sides, common-law rights therein being reserved.

Particular description of goods.—Antirheumatic, Analgesic, and Antipyretic Medicines.

Claims use since Mar. 17, 1915.

Ser. No. 235,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1926.



No right of registration is claimed for the representation of the carton as distinguished from the arrangement nor to the matter in small type on the face and sides, common-law rights therein being reserved.

Particular description of goods.—Antirheumatic, Analgesic, and Antipyretic Medicines.

Claims use since Apr. 23, 1919.

Ser. No. 235,878. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1926.



No right of registration is claimed for the representation of the carton as distinguished from the arrangement nor to the word "Cafeina," nor to the matter in small type on the face and sides, common-law rights therein being reserved.

Particular description of goods.—Antirheumatic, Analgesic, and Antipyretic Medicines.

Claims use since Feb. 16, 1921.

Ser. No. 235,928. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JIM DANDY COLLAR COMPANY, Bradford, Ill. Filed Aug. 13, 1926.

NU-IDEA

THE COLLAR THAT VENTILATES

No claim is made to the words "The Collar that Ventilates" apart from the mark shown in the drawing.

Particular description of goods.—Horse Collars.

Claims use since July 15, 1926.

Ser. No. 236,100. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERLING PRODUCTS (INCORPORATED), Wheeling, W. Va. Filed Aug. 17, 1926.



No right of registration is claimed for the representation of the carton as distinguished from the arrangement nor to the words "San Francisco, Cal.," nor to the matter in small type on the face and sides. Applicant is the owner of registrations Nos. 10,974, 12,118, 35,885, 35,886, 41,338, 41,339, 49,561, 54,322, and 104,087.

Particular description of goods.—Liquid Purgative Medicines.

Claims use since 1878.

Ser. No. 236,117. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COLONIAL BEAD CO., INC., New York, N. Y. Filed Aug. 18, 1926.

Doris

Particular description of goods.—Pearl Necklaces, Brooches, Bead Necklaces, Bar Pins, Bracelets, and Earrings.

Claims use since July 20, 1926.

Ser. No. 236,339. (CLASS 39. CLOTHING.) SAM ROSENBERG & CO., Los Angeles, Calif. Filed Aug. 23, 1926.

ROSE MAID

Particular description of goods.—Women's Apparel—Namely, Lingerie, to wit, Vests, Step-Ins, Bloomers, Teddies, Slips, Nightgowns, Negligees (Lounging Robes), Brassières, and Pyjamas All Made of Crêpe de Chine, Georgette Crêpe, Satin, and Rayon Textile and Knitted Fabrics, Tea Gowns Made of Silk, and Smocks and Nurses' Uniforms Made of Cotton and Linen.

Claims use since Apr. 1, 1926.

Ser. No. 236,553. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. L. KARNES, doing business as The Puritol Company, Kansas City, Mo. Filed Aug. 27, 1926.

Puritol

Particular description of goods.—Salt.

Claims use since May, 1926.

Ser. No. 237,012. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) AUTOMATIC MUSICAL INSTRUMENT COMPANY, Grand Rapids, Mich. Filed Sept. 9, 1926.

The ARISTOCRAT

Particular description of goods.—Pianos, Organs, Player Pianos, Player Organs, and Automatic Player Mechanism Therefor.

Claims use since Jan. 27, 1926.

Ser. No. 237,062. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MARIE A. BILLINGTON, New York, N. Y. Filed Sept. 10, 1926.



The word "Gifts" is disclaimed apart from the mark as shown.

Particular description of goods.—Gift Articles Comprising Brass Ware and Pewter Ware, Including Platters, Plates, Bowls, Porringers, Dishes, Trays, Pots, Jugs in the Nature of Pitchers, and Ewers, Tureens, and Mugs.

Claims use since Feb. 15, 1926.

Ser. No. 237,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKER RUST-PROOF COMPANY, Detroit, Mich. Filed Sept. 11, 1926.

PARCOLAC

Particular description of goods.—Liquid Coating Composition in the Nature of a Chemical for Rustproofing Material.

Claims use since Jan. 1, 1918.

Ser. No. 237,426. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE U. S. ASEPTIC SUPPLY SERVICE, INC., New York, N. Y. Filed Sept. 18, 1926.



No claim is made to the words "Quality Guarantee" apart from the trade-mark as shown.

Particular description of goods.—Absorbent Cotton, Absorbent Gauze, and Sanitary Napkins.

Claims use since July 7, 1926.

Ser. No. 238,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY ELIZABETH BAKER, Philadelphia, Pa. Filed Oct. 5, 1926.



MME. M. E. BAKER'S
Beautiful
Hair Grower

The words "Hair Grower" have been disclaimed apart from the mark as shown on the drawing, being descriptive and not capable of exclusive appropriation.

Particular description of goods.—Hair Grower.

Claims use since Jan. 10, 1924.

Ser. No. 239,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN GELLMAN, Philadelphia, Pa. Filed Oct. 22, 1926.

The Sheik

Particular description of goods.—Toilet Preparations—Namely, Hairdressing.

Claims use since Sept. 15, 1926.

Ser. No. 239,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THARINGER MACARONI COMPANY, Milwaukee, Wis. Filed Oct. 30, 1926.

TASTY BENDS

Particular description of goods.—Alimentary Paste Products.

Claims use since Feb. 20, 1917.

Ser. No. 239,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THARINGER MACARONI COMPANY, Milwaukee, Wis. Filed Oct. 30, 1926.

WHITE PEARL

The lining in the drawing is for the color blue.

Particular description of goods.—Alimentary Paste Products, and Particularly for Soup Alphabets and Shells, and also for Macaroni, Spaghetti, Vermicelli, Noodles, and Egg Noodles, the Latter Two Both Dry and Wet Prepared for Immediate Use.

Claims use since Jan. 1, 1906.

Ser. No. 239,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THARINGER MACARONI COMPANY, Milwaukee, Wis. Filed Oct. 30, 1926.

WHITE PEARL

Particular description of goods.—Alimentary Paste Products of All Kinds, Dry and Wet, and Prepared for Immediate Use; Also for Alimentary Pastes in the Form of Alphabets and Shells and Adapted to be Used as Cereal Breakfast Foods; Macaroni, Spaghetti, Vermicelli, Noodles, Egg Noodles, the Latter Two Both Dry and Wet, Prepared for Immediate Use.

Claims use since Jan. 1, 1906.

Ser. No. 239,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THARINGER MACARONI COMPANY, Milwaukee, Wis. Filed Oct. 30, 1926.



"The Goodness of White is Sealed in" is disclaimed apart from the mark as shown in the drawing. The drawing is lined for blue color.

Particular description of goods.—Alimentary Paste Products, and More Particularly for Macaroni, Spaghetti, Vermicelli, Noodles, and Egg Noodles, the Latter Two Both Dry and Wet and Prepared for Immediate Use.

Claims use since Jan. 1, 1906.

Ser. No. 239,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES F. MATTLAGE & SONS, INC., New York, N. Y. Filed Nov. 1, 1926.



No claim is made to the representation of a label apart from the mark shown in the drawing. The drawing is lined to indicate red and gold on a blue field.

Particular description of goods.—Salad Dressing.

Claims use since Apr. 21, 1926.

Ser. No. 239,840. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN IMPORTING COMPANY, New York, N. Y. Filed Nov. 9, 1926.

BONDED

Trade-mark consists of the word "Bonded."

Particular description of goods.—Ticking.

Claims use since Sept. 1, 1926.

Ser. No. 240,025. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL GUERLAIN, Suresnes, Paris, France. Filed Nov. 13, 1926.

KADOUR

Particular description of goods.—Perfumes, Cologne, Beauty Cream, and Skin Lotions.

Claims use since Nov. 1, 1923.

Ser. No. 240,057. (CLASS 37. PAPER AND STATIONERY.) BANKERS PRINTING COMPANY, San Francisco, Calif. Filed Nov. 15, 1926.

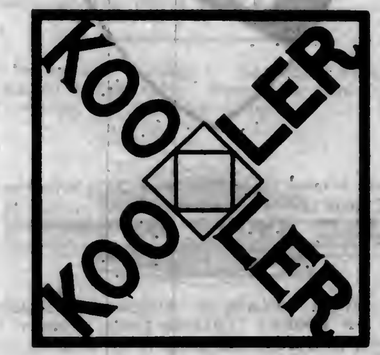


The words "The Fastest Printers on Earth," also the geographical term "San Francisco," are disclaimed except as used in connection with the balance of the mark.

Particular description of goods.—Printed Forms Consisting of Letterheads, Envelopes, Binders, Blotters, Partially-Printed Folders, Order Sheets, Invoices, Purchase Orders, Statements, Reorder Sheets, Checks, Tags, Desk Calendars, Memo Pads, Outgoing Office Forms, Return-Check Memos, Note-Due Notices, Overdraft Notices, Collection-Report Requests, Informal Notes, Note-Past-Due Notices, Phone-Call Notices, Customers' Drafts, Figuring Tabs, Return-Check Debits, Partially-Printed Acknowledgment Cards, Certified-Check Charges, Monthly-Service-Charge Memos, Call Notices, Loan-Payment Receipts, Remittance Advices, Receipts, Trade Acceptances, Collection Notices, Notes, Calculation of Reserves, Remittance Sheets, Merchandise Certificates, Application for Loans, Telegraphic-Transfer Receipts, Liability Forms.

Claims use since Oct. 4, 1926.

Ser. No. 240,080. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE KOOLER CO., Washington, D. C. Filed Nov. 15, 1926.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since Sept. 28, 1926.

Ser. No. 240,119. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO., Saco, Me., and Boston, Mass. Filed Nov. 15, 1926.



The trade-mark consists of a heart-shaped device shown in red and containing the word "Trump" as indicated on the drawing upon which the trade-mark is shown.

Particular description of goods.—Card-Table Covers, a Textile Creation of Cotton and Rayon, So-Called Artificial Silk.

Claims use since Feb. 1, 1926.

Ser. No. 240,418. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE T. GILLETTE, Los Angeles, Calif. Filed Nov. 22, 1926.

Itt

Particular description of goods.—Polishes for Furniture and Automobile Body Finishes.

Claims use since Nov. 9, 1926.

Ser. No. 240,559. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFAIR PRODUCTS, INC., New York, N. Y. Filed Nov. 24, 1926.

Mayfair

Particular description of goods.—Beverages Containing Clam Juice and Packed in Containers.

Claims use since Nov. 15, 1926.

Ser. No. 241,286. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INDIANA LAMP CORPORATION, Connersville, Ind. Filed Dec. 10, 1926. The words "Ryan-Lite" are hereby disclaimed apart from the mark as shown.

ILCO RYAN-LITE

Particular description of goods.—Electric Headlights and Reflectors Therefor.

Claims use since Sept. 9, 1926.

Ser. No. 241,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. BONZI, Monticello, Calif. Filed Dec. 13, 1926.



The surname "Bonzi" is disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Fresh Pears and Fresh Grapes.

Claims use since July 10, 1926.

Ser. No. 241,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIDALGO SALES CORPORATION, Bellingham, Wash. Filed Dec. 13, 1926.

PACIFIC COAST
Fidalgo
SHREDDED SULFHITE

Applicant disclaims all wording appearing on the mark except the word "Fidalgo" apart from the mark shown in the drawing.

Particular description of goods.—Shredded Sulphite.

Claims use since Nov. 1, 1925.

Ser. No. 241,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REDLANDS ORANGE GROWERS' ASSOCIATION, Redlands, Calif. Filed Dec. 13, 1926. Under 10-year proviso.

ROSE

Particular description of goods.—Fresh Oranges.

Claims use since December, 1890.

Ser. No. 241,554. (CLASS 31. FILTERS AND REFRIGERATORS.) JOHN ASTROM, doing business as Progress Technical Company, Fort Wayne, Ind. Filed Dec. 16, 1926.

"PROGRESS"

Particular description of goods.—Apparatus for Filtering and Softening Water.

Claims use since September, 1926.

Ser. No. 241,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR L. FEHSENFELD, Baltimore, Md. Filed Dec. 23, 1926.

"If It Hurts"
RUB-IT
Rx

No claim is made to the trade-mark "If it hurts rub it" or "Rx" apart from the mark as shown.

Particular description of goods.—Rubbing Liniment.

Claims use since Sept. 5, 1926.

Ser. No. 241,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARTERS-DAVIS COMPANY, Corona, Calif. Filed Dec. 27, 1926.

AMBASSADOR
BRAND

Applicant disclaims the word "Brand." The horizontal lining of the drawing is intended to denote the color of blue.

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit; Fresh Deciduous Fruits—Namely, Peaches, Plums, and Grapes.

Claims use since during 1910.

Ser. No. 242,308. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Jan. 3, 1927.

CHAMPION BLOCK

Exclusive use of the words "Block Pittsburgh, Pa." is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal Except Smithing Coal.

Claims use since Dec. 3, 1926.

Ser. No. 242,309. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Jan. 3, 1927.

CHAMPION FURNACE COAL

Exclusive use of the words "Furnace, Coal, Pittsburgh, Pa." is disclaimed except in connection with the mark as shown.

Particular description of goods.—Coal Excepting Smithing Coal.

Claims use since Dec. 3, 1926.

Ser. No. 242,310. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Jan. 3, 1927.

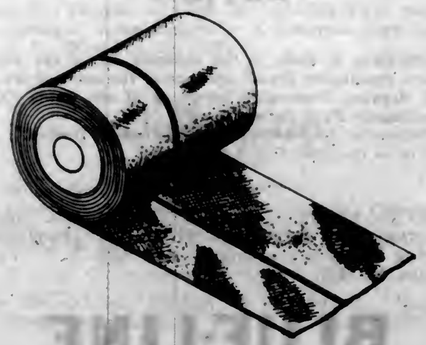
CHAMPION STOVE COAL

The exclusive use of the words "Stove Coal Pittsburgh, Pa." is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal Except Smithing Coal.

Claims use since Dec. 3, 1926.

Ser. No. 242,544. (CLASS 37. PAPER AND STATIONERY.) MID-STATES GUMMED PAPER COMPANY, Chicago, Ill. Filed Jan. 8, 1927.

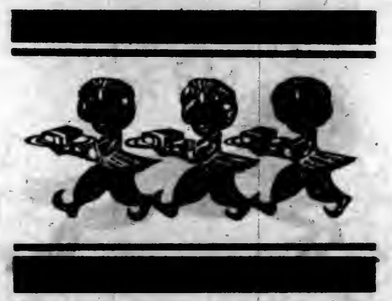


No claim is made to the representation of a roll of tape. The trade-mark consists of a blue stripe extending longitudinally of the tape parallel to and spaced from its lateral edges.

Particular description of goods.—Gummed Tape.

Claims use since Sept. 22, 1926.

Ser. No. 242,625. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAROTTI AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Jan. 10, 1927.



Particular description of goods.—Cocoa, Chocolate, Toffee, Nougat, Marzipan, Truffles, Pralines Filled with Almonds, Nuts of Every Kind, and Preparations of These; Preparations of Chocolate with Almonds and Nuts of All Kinds, Pralines with Alcoholic or Nonalcoholic Liquid Fillings; Sweets with Flavoring Added—Namely, Creams, Drops, and Rocks; Caramels Filled and Unfilled with and Without Addition of Milk or Cream; Glacéd and Candied Sugar Creams; Marzipan Goods of Every Kind, Glacéd and Candied; Glacéd and Candied Fruits; Fruit Pastes; Goods Composed of Fruit Jellies in the Shape of Disks, Triangles, Rings, Cracknel Shapes, Tarts; Biscuits with and Without Chocolate Coating, Cakes of All Kinds, Marzipan Pastries, Petit Fours, Dessert Tarts and Cakes, Gingerbread, Pastries.

Claims use since Aug. 27, 1918.

Ser. No. 242,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWELL DRUG COMPANY, Silver City, N. Mex. Filed Jan. 12, 1927.

YUCCA BLOSSOM

Particular description of goods.—Facial Cream.

Claims use since Feb. 7, 1926.

Ser. No. 242,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWELL DRUG COMPANY, Silver City, N. Mex. Filed Jan. 12, 1927.



No claim is made to the exclusive use of the word "Cream" standing alone or apart from the mark shown.

Particular description of goods.—Facial Cream.

Claims use since Feb. 7, 1926.

Ser. No. 242,732. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIO URRUTIA MARTINEZ, San Antonio, Tex. Filed Jan. 12, 1927.



Particular description of goods.—Ferruginous Tonic and Hæmoglobin Base for Anæmia, Convalescing Chlorosis, Neurasthenia, Weakness, and Poor Blood.
Claims use since Sept. 1, 1926.

Ser. No. 242,789. (CLASS 39. CLOTHING.) MCLOUGHLIN MANUFACTURING COMPANY, Indianapolis, Ind. Filed Jan. 13, 1927.

"Babe" Ruth

The mark is a facsimile of the signature of George Herman Ruth.
Particular description of goods.—Textile-Fabric Underwear for Men and Children.
Claims use since Dec. 20, 1926.

Ser. No. 242,803. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAPHES INCORPORATED, New York, N. Y. Filed Jan. 13, 1927.

SAPHES

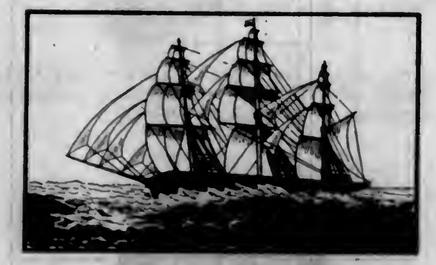
Particular description of goods.—Cold Cream, Complexion Cream, Cleansing Cream, Vanishing Cream, Skin Tonic, Skin Cleanser, Astringent, Liquid Powder, Almond and Cydonium Lotion, Acne Lotion, Pore Cream, Muscle Oil, Rouge, Cerate for Use as a Skin Cleanser and to Improve the Complexion, Smelling Salts, Bath Vinegar, Bath Salts, Almond Meal, Face and Talcum Powder, Tooth Powder, Sachet, Perfumes, and Toilet Waters.
Claims use since Oct. 5, 1925.

Ser. No. 242,818. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CHAIN STORE PUBLISHING CORPORATION, New York, N. Y. Filed Jan. 14, 1927.

CHAIN STORE GROCER

The mark consists of the words "Chain Store Grocer."
Particular description of goods.—Section of a Periodical Publication.
Claims use since Jan. 3, 1927.

Ser. No. 242,942. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARGOSY MANUFACTURING COMPANY, Kansas City, Mo. Filed Jan. 17, 1927.



Particular description of goods.—Polish.
Claims use since Oct. 10, 1925.

Ser. No. 242,944. (CLASS 39. CLOTHING.) BETSY ROSS DRESS CO., New York, N. Y. Filed Jan. 17, 1927.

ANN PENNINGTON
BLACK BOTTOM DRESS

No claim is made to the exclusive use of the words "Ann Pennington Dress" apart from the mark shown in the drawing, trade-mark consisting of the words "Ann Pennington Black Bottom Dress."
Particular description of goods.—Ladies' Dresses.
Claims use since Jan. 4, 1927.

Ser. No. 242,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PLEE-ZING CORPORATION, New York, N. Y. Filed Jan. 17, 1927.

BLUE-LINE

Particular description of goods.—Household Drugs—Namely, Lye, Ammonia, Bluing, Salt, Petroleum Jelly, Chlorinated Lime, Egg Preserver, Castor Oil, Sulphate of Quinine, and Laundry Starch.
Claims use since November, 1926.

Ser. No. 242,968. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE PLEE-ZING CORPORATION, New York, N. Y. Filed Jan. 17, 1927.

BLUE-LINE

Particular description of goods.—Matches.
Claims use since November, 1926.

Ser. No. 242,977. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) AJAY FRAME & BAG COMPANY, Brooklyn, N. Y. Filed Jan. 18, 1927.

AJAY FRAME & BAG CO. NEW YORK

The words "Frame & Bag Co." and "New York" are disclaimed except in association with the other features of the mark.
Particular description of goods.—Hand Bags and Hand-Bag Frames.
Claims use since about Dec. 28, 1926.

Ser. No. 243,004. (CLASS 39. CLOTHING.) SARAH LIBERMAN, doing business as S. Liberman, New York, N. Y. Filed Jan. 18, 1927.

Polly Prep

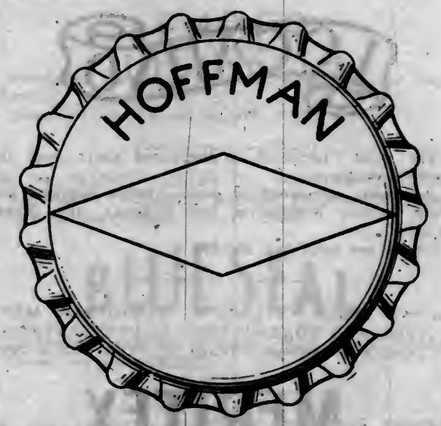
"Polly Prep."
Particular description of goods.—Infants', Children's, Misses', and Growing Girls' Leather Shoes.
Claims use since Dec. 15, 1926.

Ser. No. 243,128. (CLASS 39. CLOTHING.) BAKER-MOISE COMPANY, Dallas, Tex. Filed Jan. 21, 1927.

VANETTE

Particular description of goods.—Hosiery.
Claims use since Nov. 2, 1926.

Ser. No. 243,155. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HOFFMAN BEVERAGE CO., Newark, N. J. Filed Jan. 21, 1927.



No registration rights are claimed for the word "Hoffman." No claim is made to the representation of a bottle crown.
Particular description of goods.—Nonalcoholic Beverages Sold as Soft Drinks.
Claims use since May 15, 1926.

Ser. No. 243,212. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. HOFFMAN CANDY CO. INC., Los Angeles, Calif. Filed Jan. 22, 1927.

Coquette

Particular description of goods.—Candy.
Claims use since Jan. 10, 1927.

Ser. No. 243,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KANSAS MILLING COMPANY, Wichita, Kans. Filed Jan. 22, 1927.

SILK FLOSS

Particular description of goods.—Wheat Flour.
Claims use since July 1, 1907.

Ser. No. 243,423. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Jan. 27, 1927.

BABY RUTH

Particular description of goods.—Dolls Made of China, Wax, Celluloid, Fabric, and Stuffed.
Claims use since about 1923.

Ser. No. 243,593. (CLASS 37. PAPER AND STATIONERY.) CROMWELL PAPER CO., Chicago, Ill. Filed Jan. 31, 1927.

SHAWNEE

Particular description of goods.—Tympan Paper.
Claims use since Dec. 20, 1926.

Ser. No. 243,712. (CLASS 39. CLOTHING.) S. LISSOVITZ & SONS; INC., New York, N. Y. Filed Feb. 2, 1927.

LOCARNO

The word "Locarno" is disclaimed apart from the mark as shown.

Particular description of goods.—Dress, Negligee, and Work Shirts; Nightshirts and Pyjamas, and Blouse Jackets.

Claims use since Jan. 2, 1926.

Ser. No. 243,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE OHLENDORF, Chicago, Ill. Filed Feb. 3, 1927.

MERITEX



Particular description of goods.—A Medicinal Preparation for the Relief of Infectious, Toxic, Nervous, and Debilitated Conditions in Adults and Children.

Claims use since June 15, 1926.

Ser. No. 243,791. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SUCCESSORI NICOLINI & VENESIA, Biella, Italy. Filed Feb. 3, 1927.



Trade-mark shown in the accompanying drawing lined for red, blue, and gold. The words "Successori" and "Biella" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Brandy and Liqueurs.

Claims use since Nov. 5, 1907.

Ser. No. 243,840. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY. CHEVALLIER-APPERT, Paris, France. Filed Feb. 5, 1927.



No claim is made to the words "Conserves Alimentaires Maison Centenaire Paris" apart from the mark shown in the drawing. The portrait of the child is fanciful.

Particular description of goods.—Candy, Pastry, Biscuits, Chocolate, Cocoa, Coffee, Tea, Chicory, Olive Oil, Salad Oil, Canned Fruits and Vegetables; Canned Meats—Namely, Canned Veal, Canned Beef, and Canned Poultry; and Canned Fish.

Claims use since Feb. 12, 1920.

Ser. No. 243,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Feb. 5, 1927.

PRESCRIPTION

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, Sachets, and Solid Perfumes.

Claims use since Jan. 11, 1927.

Ser. No. 243,921. (CLASS 37. PAPER AND STATIONERY.) ISIDORE S. BERGER, New York, N. Y. Filed Feb. 7, 1927.

MAKES NEGATIVES NEGOPRINT RESEMBLE PRINTS

The words "Makes Negatives Resemble Prints" are disclaimed apart from the mark shown.

Particular description of goods.—Mounts for X-Ray Negatives.

Claims use since about Dec. 15, 1926.

Ser. No. 243,987. (CLASS 39. CLOTHING.) CHR. & BIELSCHOWSKY, Erfurt, Germany. Filed Feb. 8, 1927.



The facsimile signature shown in the drawing is that of Dr. Chr. Diehl (deceased). No claim is made to the exclusive right to the use of the representation of a shoe apart from the mark shown in the drawing.

Particular description of goods.—Shoes and Boots Made Wholly or Chiefly of Leather.

Claims use since Oct. 17, 1908.

Ser. No. 243,999. (CLASS 39. CLOTHING.) CLAIRE KNITTING MILLS, INC., New York, N. Y. Filed Feb. 8, 1927.



Particular description of goods.—Knitted Sweaters, Coats, Dresses, Jackets, Lumber Coats, Slip-Ons, Golf Coats, Scarfs, Hosiery, Waists, Skirts, Vests, Suits, Each of Said Articles Being for Men, Women, and Children.

Claims use since Jan. 1, 1927.

Ser. No. 244,100. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE PALAIS ROYAL, INC., Washington, D. C. Filed Feb. 9, 1927.



The words "Washington, D. C." are disclaimed apart from the mark shown. The representation of a woman is a fanciful picture.

Particular description of goods.—Cotton Piece Goods.—Namely, Alpaco, Apron Canvas, Bolting Cloth, Broadcloth, Cambric, Chambray, Cretonne, Damask, Gingham, Sheeting, Awning Fabrics; Silk Piece Goods—Namely, Flat Crepe, Georgene, Chiffon, Brussels Silk Net, Chinese Silk, Japanese Crepes, Satin, Crêpe de Chine; also Textile Blankets, Carpets, Automobile and Carriage Robes, Bed Coverlets (Textile), Bolster Cases, Italian Cloths, Tablecloths, Comforters, Lace Curtains, Turkish Towels, Handkerchiefs, Pillowcases, and Sheets.

Claims use since Jan. 21, 1927.

Ser. No. 244,142. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 10, 1927.

LEADER

Particular description of goods.—Watches and Parts Thereof.

Claims use since about August, 1926.

Ser. No. 244,207. (CLASS 12. CONSTRUCTION MATERIALS.) ATLANTIC GYPSUM PRODUCTS COMPANY, Boston, Mass. Filed Feb. 11, 1927.

BLUE SEAL

Particular description of goods.—Neat Cement Plaster.

Claims use since 1913.

Ser. No. 244,217. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) P. I. BURKS & CO., Louisville, Ky. Filed Feb. 11, 1927.

TRI-PHONIC

The lining of the drawing is to indicate shading only.

Particular description of goods.—Phonographs and Phonograph Sound Boxes.

Claims use since November, 1926.

Ser. No. 244,243. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPHINE S. ROUPE, doing business as Emerald Supply Co., Los Angeles, Calif. Filed Feb. 11, 1927.

EMEROINT
EQUALS
EVERY
EMERGENCY

No claim is made to the words "Equals Every Emergency."

Particular description of goods.—Healing Ointment.

Claims use since Mar. 3, 1925.

Ser. No. 244,257. (CLASS 38. PRINTS AND PUBLICATIONS.) WALTHAM RUBBER CO. INC., Mineola, N. Y. Filed Feb. 11, 1927.



No claim is made to the exclusive use of the words "Mineola" and "Riverhead" apart from the mark shown in the drawing.

Particular description of goods.—Semimonthly Magazine.

Claims use since Dec. 28, 1926.

Ser. No. 244,270. (CLASS 12. CONSTRUCTION MATERIALS.) THE ATLAS GYPSUM CORPORATION, New York, N. Y. Filed Feb. 12, 1927.

ATLAS

Particular description of goods.—Finely-Divided Gypsum.
Claims use since Jan. 27, 1927.

Ser. No. 244,301. (CLASS 39. CLOTHING.) GEORGE L. HALL, doing business as Swimsafe Bathing Suit Co., Anderson, S. C. Filed Feb. 12, 1927.

SWIMSAFE

Particular description of goods.—Bathing Suits.
Claims use since June 14, 1926.

Ser. No. 244,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Feb. 12, 1927.

"Liquid Sunshine"

Particular description of goods.—Cod-Liver Oils.
Claims use since Oct. 19, 1926.

Ser. No. 244,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL J. RAFFY, New York, N. Y. Filed Feb. 12, 1927.



Particular description of goods.—Face Powder, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, Sachets, and Solid Perfumes.
Claims use since Dec. 1, 1926.

Ser. No. 244,328. (CLASS 12. CONSTRUCTION MATERIALS.) THE SPARTA CERAMIC COMPANY, East Sparta, Ohio. Filed Feb. 12, 1927.

SPARTAN

Particular description of goods.—Tiles.
Claims use since May 21, 1923.

Ser. No. 244,329. (CLASS 12. CONSTRUCTION MATERIALS.) THE SPARTA CERAMIC COMPANY, East Sparta, Ohio. Filed Feb. 12, 1927.

SPARTAN RED

No claim is made to the word "Red" apart from the mark as shown.
Particular description of goods.—Tiles.
Claims use since May 21, 1923.

Ser. No. 244,330. (CLASS 12. CONSTRUCTION MATERIALS.) THE SPARTA CERAMIC COMPANY, East Sparta, Ohio. Filed Feb. 12, 1927.

SPARTAN CERAMICS

No claim is made to the word "Ceramics" apart from the mark shown.
Particular description of goods.—Tiles.
Claims use since May 31, 1923.

Ser. No. 244,331. (CLASS 12. CONSTRUCTION MATERIALS.) THE SPARTA CERAMIC COMPANY, East Sparta, Ohio. Filed Feb. 12, 1927.

SPARTAN GREY

No claim is made to the word "Gray" apart from the mark shown.
Particular description of goods.—Tiles.
Claims use since May 28, 1923.

Ser. No. 244,332. (CLASS 12. CONSTRUCTION MATERIALS.) THE SPARTA CERAMIC COMPANY, East Sparta, Ohio. Filed Feb. 12, 1927.

SPARTAN BROWN

No claim is made to the word "Brown" apart from the mark shown.
Particular description of goods.—Tiles.
Claims use since May 29, 1923.

Ser. No. 244,334. (CLASS 39. CLOTHING.) STAR KNITTING MILLS, INC., New York, N. Y. Filed Feb. 12, 1927.

BLACK BOTTOM

Particular description of goods.—Sweaters, Scarfs, and Knitted Ties.
Claims use since June 23, 1926.

Ser. No. 244,696. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. HOGAN, doing business as Sendol Company, Kansas City, Mo. Filed Feb. 21, 1927.

Sendol

Particular description of goods.—Medicinal Preparation in Pill or Capsule Form for the Treatment of Headache, Colds, Neuralgia, La Grippe, and Relief of Pain in General.
Claims use since Oct. 1, 1926.

Ser. No. 244,754. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.
Claims use since about July, 1926.

Ser. No. 244,755. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.
Claims use since about May 26, 1926.

Ser. No. 244,757. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.
Claims use since about Feb. 2, 1927.

SerSer. No. 244,758. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Watches and Parts Thereof.
Claims use since about January, 1927.

Ser. No. 244,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed Feb. 24, 1927.

JOAN OF ARC

The mark consists merely in the words "Joan of Arc."
Particular description of goods.—Canned Vegetables, Canned Fruits, Flavoring Extracts for Foods, Spices, Canned Salmon, Canned Soups, Canned Evaporated Milk, Dried and Evaporated Fruits, Nuts in Their Natural

State, Shelled Nuts Whether Salted or Unsalted, Dried Vegetables, Jellies, Pickles, Salad and Cooking Oils, Table and Cooking Sirups, Mayonnaise, Breakfast Cereals, Macaroni, and Spaghetti, Catchup, and Vinegar.

Claims use since 1895 on canned vegetables, and on other goods named herein since July 15, 1926.

Ser. No. 244,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHANIEL J. SEGAL, doing business as Jend Drug Company, Baltimore, Md. Filed Feb. 25, 1927.

U-CO

Particular description of goods.—Cough Medicine, Medicine for Colds, Influenza, and La Grippe, Throat Gargle, Throat Lozenges, and Liniment.

Claims use since Feb. 1, 1927.

Ser. No. 244,921. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ELCAR MOTOR COMPANY, Elkhart, Ind. Filed Feb. 26, 1927.



No claim is made to the numeral "8" apart from the mark shown in the drawing.

Particular description of goods.—Automobiles.

Claims use since Jan. 1, 1927.

Ser. No. 244,946. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MONROE CHEMICAL CO., Quincy, Ill. Filed Feb. 26, 1927.

PUT

The mark consists of the word "Put".

Particular description of goods.—Chemical Compound in Liquid Form for Cleaning Grease and Spots from Clothing and Cloth.

Claims use since Dec. 2, 1926.

Ser. No. 244,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAFO MANUFACTURING COMPANY, Detroit, Mich. Filed Feb. 28, 1927.



The blue color lining shown on the drawing is used for shading purposes only and is disclaimed.

Particular description of goods.—Powders Intended for the Relief of Chafed and Tender Skins.

Claims use since Nov. 1, 1926.

Ser. No. 244,999. (CLASS 39. CLOTHING.) WILBUR E. A. FREICHS, doing business as Weaf Hosiery Company, New York, N. Y. Filed Feb. 28, 1927.



Particular description of goods.—Hosiery.

Claims use since Feb. 3, 1927.

Ser. No. 245,035. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DON D. THOMAS, Fresno, Calif. Filed Feb. 28, 1927.

RUS-TEX

Particular description of goods.—Metal Polish.

Claims use since Dec. 26, 1926.

Ser. No. 245,037. (CLASS 39. CLOTHING.) UCHIN & BELL, Philadelphia, Pa. Filed Feb. 28, 1927.



No claim is made to the word "Frock" apart from the mark shown.

Particular description of goods.—Ladies' Dresses.

Claims use since Nov. 1, 1926.

Ser. No. 245,079. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Mar. 2, 1927.

THERMOCRETE

Particular description of goods.—Mineral Heat, Cold, and Sound Insulating Material.

Claims use since Sept. 24, 1924.

Ser. No. 245,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEROY W. DAVIES, doing business as Rex Chemical Co., St. Louis, Mo. Filed Mar. 2, 1927.

PH EN-ACETO

Particular description of goods.—Medicinal Tablet for the Treatment of Coughs, Colds, La Grippe, Fever, Neuritis, Rheumatism and Other Aches and Pains.

Claims use since Oct. 1, 1926.

Ser. No. 245,086. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE DUNBAR-HAMPDEN WATCH COMPANY, Canton, Ohio. Filed Mar. 2, 1927.

PLAY-BOY

Particular description of goods.—Watches.

Claims use since Jan. 21, 1927.

Ser. No. 245,177. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEXANDER WOJCIECHOWSKI, Norwich, Conn. Filed Mar. 3, 1927.



The signature forming a feature of the mark being the autograph of applicant.

Particular description of goods.—A palliative for Headache and Rheumatism, Burns, Pimples, Eczema, Ringworm, and Itching Sores.

Claims use since Feb. 14, 1927.

Ser. No. 245,184. (CLASS 37. PAPER AND STATIONERY.) AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Mar. 4, 1927.

AUTOFILER

The mark consists of the work "Autofiler."

Particular description of goods.—Manifolding Registers.

Claims use since Feb. 15, 1927.

Ser. No. 245,212. (CLASS 39. CLOTHING.) HOLEPROOF HOSIERY COMPANY, Milwaukee, Wis. Filed Mar. 4, 1927.



Particular description of goods.—Hosiery.

Claims use since Mar. 1, 1927.

Ser. No. 245,215. (CLASS 39. CLOTHING.) BARNET LIPSHITZ, New York, N. Y. Filed Mar. 4, 1927.

Ellessen

Particular description of goods.—Men's Clothing—Namely, Overcoats, Coats, Vests, Trousers, Topcoats, and Raincoats.
Claims use since February, 1926.

Ser. No. 245,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUDLONG PICKLE CO., Chicago, Ill. Filed Mar. 5, 1927. Under 10-year proviso.



Particular description of goods.—Pickles, Prepared Mustard, and Chowchow.
Claims use since about 1855.

Ser. No. 245,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUDLONG PICKLE CO., Chicago, Ill. Filed Mar. 5, 1927. Under 10-year proviso.

BUDLONG

Particular description of goods.—Pickles, Prepared Mustard, Catchup, Fruit and Berry Preserves, Chili Sauce, Vegetable Relishes, Pickled Onions, Picalilli, Chowchow, and Preserved Olives.
Claims use since about 1855.

Ser. No. 245,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHILI PRODUCTS CORPORATION, Los Angeles, Calif. Filed Mar. 5, 1927.

K SPECIAL

CHILI POWDER

No claim is made to the exclusive use of the words "Special" and "Chili Powder."
Particular description of goods.—Chili Powder.
Claims use since July 31, 1920.

Ser. No. 245,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHILI PRODUCTS CORPORATION, Los Angeles, Calif. Filed Mar. 5, 1927.

X-5

CHILI POWDER

No claim is made to the exclusive use of the words "Chili Powder."
Particular description of goods.—Chili Powder.
Claims use since Oct. 28, 1920.

Ser. No. 245,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LISTERATED COMPANY, Houston, Tex. Filed Mar. 5, 1927.



The drawing is lined to indicate orange for the outer border of the shield-shaped background and red for the smaller shield centrally of the mark. No claim is made to the exclusive use of the words "Hair Tonic" apart from the remainder of the mark.
Particular description of goods.—Hair Tonic.
Claims use since March, 1926.

Ser. No. 245,304. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) R. F. SIMMONS COMPANY, Attleboro, Mass. Filed Mar. 5, 1927.

BONDSTREET

Particular description of goods.—Watch Chains.
Claims use since Dec. 23, 1926.

Ser. No. 245,336. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMAZON KNITTING COMPANY, Muskegon, Mich. Filed Mar. 7, 1927.

Amagon

Particular description of goods.—Piece Goods—Namely, Hook-Rug Webbing Yarn and Hook-Rug Canvas Used in Weaving Rugs.
Claims use since August, 1926.

Ser. No. 245,387. (CLASS 15. OILS AND GREASES.) WILLHELM OIL COMPANY, St. Paul, Minn. Filed Mar. 7, 1927.

Visco-Seal

Particular description of goods.—Diluting Oil for Lubricants.
Claims use since Nov. 1, 1926.

Ser. No. 245,396. (CLASS 39. CLOTHING.) HIGHLAND SHAKER SWEATER CO., Camden, N. J. Filed Mar. 8, 1927.

The Legionnaire

Particular description of goods.—Men's, Women's, and Children's Knitted Sweaters, Sweater Coats, Sport Coats, Jackets, Cardigan Jackets, Caps, Scarfs, Wristlets, Golf Gloves of Worsted and Woolen Yarns, Suits, Breeches, and Dresses.
Claims use since Feb. 26, 1927.

Ser. No. 245,398. (CLASS 38. PRINTS AND PUBLICATIONS.) MAXSON, FOXHALL JUDELL, New York, N. Y. Filed Mar. 8, 1927.

The Mirth of a Nation

Particular description of goods.—Magazines, Books, and Newspaper Columns.
Claims use since December, 1926.

Ser. No. 245,412. (CLASS 39. CLOTHING.) STAADECKER & COMPANY, Seattle, Wash. Filed Mar. 8, 1927.



No claim is made to the word "Hats" aside from its association with the mark shown.
Particular description of goods.—Ladies' Hats.
Claims use since Sept. 1, 1926.

Ser. No. 245,413. (CLASS 39. CLOTHING.) STAADECKER & COMPANY, Seattle, Wash. Filed Mar. 8, 1927.



No claim is made to the word "Hats" aside from its association with the mark shown. The lining on the drawing is for the purpose of shading only.
Particular description of goods.—Ladies' Hats.
Claims use since Mar. 1, 1923.

Ser. No. 245,420. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS BURK, INC., Philadelphia, Pa. Filed Mar. 9, 1927.

BURKSBOCK

Particular description of goods.—Sausage.
Claims use since Feb. 1, 1916.

Ser. No. 245,447. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MONTE C. MERKEL, Harrisburg, Pa. Filed Mar. 9, 1927.

Just-Rite MALT SYRUP

No claim is made to the exclusive use of the words "Just Rite Malt Syrup" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Malt Sirup for Cooking, Bread Making, and Candy Making.

Claims use since Mar. 7, 1927.

Ser. No. 245,480. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELCO PAINT PRODUCTS, INC., New York, N. Y. Filed Mar. 10, 1927.

EL-CUNA-COTE

Particular description of goods.—Ready-Mixed Paint.

Claims use since 1924.

Ser. No. 245,484. (CLASS 39. CLOTHING.) THE GREEN-HAAS-SCHWARTZ COMPANY, Cleveland, Ohio. Filed Mar. 10, 1927.

BLACK BOTTOM

Particular description of goods.—Knitted Sweaters and Jackets for Women and Misses.

Claims use since Feb. 7, 1927.

Ser. No. 245,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM M. PARKIN, doing business as William M. Parkin & Company, Pittsburgh, Pa. Filed Mar. 10, 1927.

"NEP"

The mark consists of the word "Nep."

Particular description of goods.—Pickling Compounds for Cleaning Steel or Metal.

Claims use since Aug. 1, 1926.

Ser. No. 245,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM C. PAYNE, doing business as The Juanita Products Company, Burbank, Calif. Filed Mar. 10, 1927.



Particular description of goods.—Compounds for Leaky Radiators.

Claims use since Dec. 1, 1926.

Ser. No. 245,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS INC., Reserve, La. Filed Mar. 11, 1927.

GOLDEN STAR

Particular description of goods.—Cane-Sugar Sirups.

Claims use since Feb. 15, 1927.

Ser. No. 245,550. (CLASS 39. CLOTHING.) C. T. HALL & Co., New York, N. Y. Filed Mar. 11, 1927.

Times Square

Particular description of goods.—Men's Straw, Felt, Wool, Silk, and Other Fabric Hats and Caps.

Claims use since Oct. 4, 1924.

Ser. No. 245,552. (CLASS 39. CLOTHING.) HALL, HARTWELL & Co. INC., Troy, N. Y. Filed Mar. 11, 1927.

TROYCRAFTERS

Particular description of goods.—Collars, Underwear of Textile Fabric for Men and Boys, and Dress, Negligee, and Work Shirts.

Claims use since Feb. 23, 1927.

Ser. No. 245,553. (CLASS 39. CLOTHING.) HALL, HARTWELL & Co. INC., Troy, N. Y. Filed Mar. 11, 1927.

TROYCRAFTSMEN

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts and Underwear of Textile Fabric for Men and Boys.

Claims use since about Feb. 23, 1927.

Ser. No. 245,556. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETTY HARRINGTON, New York, N. Y. Filed Mar. 11, 1927.

Tigre d'Or

"Tigre d'Or."

Particular description of goods.—Beauty Creams, Perfumes, and Hair Tonics.

Claims use since Dec. 3, 1926.

Ser. No. 245,630. (CLASS 39. CLOTHING.) HALL, HARTWELL & Co. INC., Troy, N. Y. Filed Mar. 12, 1927.

NU-CRAFT

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts and Underwear of Textile Fabric for Men and Boys.

Claims use since about Mar. 8, 1927.

Ser. No. 245,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. M. PAVER COMPANY, Chicago, Ill. Filed Mar. 12, 1927.

INTER-URBAN

Particular description of goods.—Canned and Bottled Vegetables—Namely, Corn, Beans, Mixed Vegetables for Soup, Beets, Hominy, Sauerkraut, Spinach, Squash, Asparagus, Asparagus Tips, Okra, Peas; Canned and Bottled Fruit—Namely, Apples, Peaches, Apricots, Plums, Pears, Cherries, Pineapple; Canned and Bottled Berries—Namely, Dewberries, Blackberries, Strawberries, Raspberries, and Gooseberries.

Claims use since 1910.

Ser. No. 245,656. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS S. RASKAS, St. Louis, Mo. Filed Mar. 12, 1927.

SMETINA

Particular description of goods.—A Dairy Product—Namely, a Thick Cream.

Claims use since Jan. 1, 1922.

Ser. No. 245,670. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TOLEDO TIMER CO., Toledo, Ohio. Filed Mar. 12, 1927.

ORANGE CAP

Particular description of goods.—Spark Timers for Internal-Combustion Motors.

Claims use since Jan. 20, 1927.

Ser. No. 245,671. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TOLEDO TIMER CO., Toledo, Ohio. Filed Mar. 12, 1927.

RED CAP

Particular description of goods.—Spark Timers for Internal-Combustion Motors.

Claims use since Feb. 28, 1927.

Ser. No. 245,695. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONRAD CO., INC., New York, N. Y. Filed Mar. 14, 1927.

SPARE-TIME MONEY MAKING

Particular description of goods.—Monthly Magazine.

Claims use since Mar. 1, 1927.

Ser. No. 245,696. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEORGE B. CUSTER, Providence, R. I. Filed Mar. 14, 1927.

G. E. C. WHITE-HEAT

No claim is made to the words "White-Heat" aside from the mark as shown.

Particular description of goods.—Oil Burners.

Claims use since Jan. 6, 1927.

Ser. No. 245,709. (CLASS 27. HOROLOGICAL INSTRUMENTS.) GOLDMAN JEWELRY & OPTICAL CO., St. Louis, Mo. Filed Mar. 14, 1927.

TOM BOY

Particular description of goods.—Watches.

Claims use since Mar. 10, 1927.

Ser. No. 245,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GHENNAN BAKERIES, INC., Chicago, Ill. Filed Mar. 14, 1927.

COOK BOOK

Particular description of goods.—Cakes and Cookies.
Claims use since Feb. 25, 1927.

Ser. No. 245,745. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif. Filed Mar. 14, 1927.

Twinpax

Particular description of goods.—Toilet Tissue.
Claims use since Nov. 7, 1925.

Ser. No. 245,753. (CLASS 39. CLOTHING.) SCHWARTZ & ZUCKERMAN, New York, N. Y. Filed Mar. 14, 1927.



Particular description of goods.—Dress and Work Shirts, Overalls, Blouses, Trousers, Dresses; Men's, Women's, and Children's Underwear Made of Knitted or Textile Fabrics; Aprons, Sweaters, Necktles, Lumberjacks, Coats, Pyjamas, Mufflers, Bathing Suits, Gloves Made of Wool and Leather, and Hosiery.
Claims use since Feb. 1, 1927.

Ser. No. 245,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KICHITARO TAKI, North Bergen, N. J. Filed Mar. 14, 1927.

FRUITAGA

Particular description of goods.—Candy Laxative.
Claims use since on or about July 15, 1926.

Ser. No. 245,818. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md. Filed Mar. 15, 1927.



The mark consists in coloring the handles diagonally longitudinally in blue and white stripes, each stripe covering approximately one-half of the handle. The drawing is lined for blue. No claim is made herein to the representation of a handle per se.
Particular description of goods.—Coffee and Tea Strainers, Soup Strainers, and Jelly Strainers.
Claims use since Mar. 1, 1927.

Ser. No. 245,820. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE WIREMOLD COMPANY, Hartford, Conn. Filed Mar. 15, 1927.

WICO

Particular description of goods.—Insulated Electrical Conductors and Nonmetallic Conduits for Electrical Conductors.
Claims use since Jan. 18, 1927.

Ser. No. 245,832. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. K. EAGLE & CO., INC., Shamokin, Pa., and New York, N. Y. Filed Mar. 16, 1927.



The representation of the goods alone is disclaimed.
Particular description of goods.—Silk Goods in the Piece.
Claims use since Dec. 4, 1926.

Ser. No. 245,842. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HARTMANN TRUNK COMPANY, Racine, Wis. Filed Mar. 16, 1927.

TOUROBE

Particular description of goods.—Wardrobe Suitcases.
Claims use since Mar. 2, 1927.

Ser. No. 245,848. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANCIS MARQUIS, New York, N. Y. Filed Mar. 16, 1927.

M'lle ANTONIA CHARMANTE

Particular description of goods.—Nom de Plume for Newspaper and Magazine Articles, Books, and Pamphlets.
Claims use since September, 1926.

Ser. No. 245,881. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) MAURICE ALLAND, Atlantic City, N. J. Filed Mar. 17, 1927.



No claim is made to the representation of the pipe and the cigar and cigarette holders as well as the wording "Allands Turkish Pocket Water Pipes, Cigar and Cigarette Holders" apart from the mark as shown.
Particular description of goods.—Smokers' Pipes, Cigar and Cigarette Holders.
Claims use since Jan. 26, 1927.

Ser. No. 245,915. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LINCOLN RADIATOR CORPORATION, Utica, N. Y. Filed Mar. 17, 1927.



No claim is made to the two circles representing the outline of the hub as part of the mark shown in the drawing. No claim is made to word "Lincoln" apart from the mark shown.
Particular description of goods.—Radiation, and More Specifically Radiators for Heating Purposes.
Claims use since Dec. 10, 1926.

Ser. No. 245,948. (CLASS 38. PRINTS AND PUBLICATIONS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Mar. 18, 1927.

The Rug Mill

Particular description of goods.—Publication Issued Monthly.
Claims use since Mar. 25, 1925.

Ser. No. 245,952. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Filed Mar. 18, 1927.

LOCK-SEAL

Particular description of goods.—Nails.
Claims use since Mar. 12, 1927.

Ser. No. 245,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMMENTAL CHEESE CORPORATION, New York, N. Y. Filed Mar. 18, 1927.



WHEEL BRAND

The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Cheese.
Claims use since Mar. 5, 1927.

Ser. No. 245,974. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) M. M. FLERON & SON, INC., Trenton, N. J. Filed Mar. 18, 1927.

"DEFENDER"

Particular description of goods.—Lightning Arresters.
Claims use since September, 1926.

Ser. No. 245,976. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) M. M. FLERON & SON, INC., Trenton, N. J. Filed Mar. 18, 1927.

"HOME GUARD"

Particular description of goods.—Lightning Arresters.
Claims use since March, 1926.

Ser. No. 245,977. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) M. M. FLERON & SON, INC., Trenton, N. J. Filed Mar. 18, 1927.

"SENTINEL"

Particular description of goods.—Lightning Arresters.
Claims use since 1925.

Ser. No. 245,978. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MARCEL FRANCK, INC., New York, N. Y. Filed Mar. 18, 1927.

"FIZZ"

Particular description of goods.—Atomizers for Perfume and the Like.
Claims use since September, 1926.

Ser. No. 245,984. (CLASS 39. CLOTHING.) HEWES & POTTER, Boston, Mass., assignor to Hewes & Potter, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1927.

VESTOFF

Particular description of goods.—Suspenders.
Claims use since Jan. 1, 1907.

Ser. No. 246,020. (CLASS 39. CLOTHING.) EPSTEIN FRANK & LOCHNER INC., Buffalo, N. Y. Filed Mar. 19, 1927.

KAPPA

Particular description of goods.—Men's and Young Men's Suits and Overcoats.
Claims use since Oct. 19, 1926.

Ser. No. 246,034. (CLASS 39. CLOTHING.) THE LION DRY GOODS COMPANY, Toledo, Ohio. Filed Mar. 19, 1927.

BROOKFORD

Particular description of goods.—Men's Suits and Overcoats.
Claims use since Dec. 18, 1926.

Ser. No. 246,038. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAGNAVOX COMPANY, Oakland, Calif. Filed Mar. 19, 1927.

MAGNALECTRIC

Particular description of goods.—Electric Egg Cookers, Electric Air Heaters, and Electric Adjustable Lamps.
Claims use since Mar. 7, 1927.

Ser. No. 246,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARIS MEDICINE CO., St. Louis, Mo. Filed Mar. 19, 1927.

FEBRILINE
-OR-
LYON'S
Tasteless Syrup of Quinine

Particular description of goods.—Preparation for the Treatment of Malarial Diseases.
Claims use since Jan. 1, 1886.

Ser. No. 246,073. (CLASS 38. PRINTS AND PUBLICATIONS.) CHAUNCEY P. CARTER, Washington, D. C. Filed Mar. 21, 1927.

THE SYMBOLIST

The mark consists merely in the words "The Symbolist."
Particular description of goods.—Periodical Publications.
Claims use since Apr. 1, 1920.

Ser. No. 246,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. EISEN & CO., INC., Yonkers, N. Y. Filed Mar. 21, 1927.

FERRUM

Applicant disclaims any attempt to cover the word "Ferrum" in this registration except in the precise relation and association in which the same appears.
Particular description of goods.—Cod-Liver Oil and Mineral Oil for Medicinal Use.
Claims use since Feb. 21, 1927.

Ser. No. 246,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOKEN COMPANIES, St. Louis, Mo. Filed Mar. 21, 1927.

RUBEX

Particular description of goods.—Liquid Cooling Hair Rub, Hair Fixative Preparation, and a Preparation for Removing Dandruff.
Claims use since Feb. 1, 1927.

Ser. No. 246,102. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Pawtucket, R. I. Filed Mar. 21, 1927.

Romolino

"Romolino."
Particular description of goods.—Napkins of Cotton, Linen, and Cotton and Linen.
Claims use since Nov. 15, 1926.

Ser. No. 246,114. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACIFIC ELECTRIC MANUFACTURING CO., San Francisco, Calif. Filed Mar. 21, 1927.

P. G. A. C. T. R. E. I. G. L. E. M. F. I. C.

Particular description of goods.—Oil Circuit Breakers, Air Break Switches, Disconnecting Switches, Motor Controls, Sectionalizing Switches, Fuse Tubes, Fuse-Disconnecting Sets, Fuse Supports, Choke Coils, Bus-Bar Supports, Tap Changers, Solenoid Controls, Fuse-Handling Rods, Current Transformers, and Special Relays.
Claims use since September, 1924.

Ser. No. 246,132. (CLASS 39. CLOTHING.) TABIN-PICKER AND COMPANY, Chicago, Ill. Filed Mar. 21, 1927.

RIO RITA

Particular description of goods.—Ladies' Dresses.
Claims use since Jan. 3, 1927.

Ser. No. 246,142. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed Mar. 21, 1927.

Buffer

Particular description of goods.—Hosiery.
Claims use since Jan. 15, 1925.

Ser. No. 246,144. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTISEPTIC GUM CO., Denver, Colo. Filed Mar. 22, 1927.

Aunty Septic

Particular description of goods.—Medicated Chewing Gum Recommended for the Treatment of Sore Throat.
Claims use since Aug. 15, 1926.

Ser. No. 246,147. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing and Reading, Pa. Filed Mar. 22, 1927.

Sigo

Particular description of goods.—Ladies' Full-Fashioned Hosiery.
Claims use since about Nov. 8, 1926.

Ser. No. 246,157. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAMPDEN AUTO TOP AND METAL COMPANY, Springfield, Mass. Filed Mar. 22, 1927.

ARTEX

Particular description of goods.—Automobile Seat Covers.
Claims use since Jan. 5, 1927.

Ser. No. 246,158. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HARTFORD BATTERY MFG. CO., Millidale, Conn. Filed Mar. 22, 1927.

HI-LO

Particular description of goods.—Trickle Chargers.
Claims use since Mar. 17, 1927.

Ser. No. 246,177. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE PRIZER-PAINTER STOVE WORKS, Reading, Pa. Filed Mar. 22, 1927.

PRIZER
STOVES
RANGES
AND
FURNACES

No claim is made to the words "Stoves, Ranges, and Furnaces" apart from the mark shown.
Particular description of goods.—Coal, Wood, and Combination Coal and Gas Stoves, Ranges, and Furnaces and Parts Thereof.
Claims use since 1899.

Ser. No. 246,188. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WASHINGTON JEWELRY COMPANY, Boston, Mass. Filed Mar. 22, 1927.

"VERSATILE"

"Versatile."
Particular description of goods.—Brief Cases.
Claims use since June 5, 1926.

Ser. No. 246,192. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Mar. 23, 1927.

PARAKINGS

Particular description of goods.—Hosiery.
Claims use since May 22, 1922.

Ser. No. 246,202. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN G. EPPING, doing business as John G. Epping Bottling Works, Louisville, Ky. Filed Mar. 23, 1927.

Kentucky Club

"Kentucky Club."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale.
Claims use since September, 1926.

Ser. No. 246,222. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD C. PHOENIX, doing business as Phoenix Bros., Fairoaks, Calif. Filed Mar. 23, 1927.

Olivedale

Particular description of goods.—Olives, Canned and in Barrels; Canned Fruit—Namely, Peaches; Canned Vegetables—Namely, Tomatoes and Spinach.
Claims use since July 30, 1910.

Ser. No. 246,234. (CLASS 37. PAPER AND STATIONERY.) J. S. STAEDTLER, INC., New York, N. Y. Filed Mar. 23, 1927.

PADRE

"Padre."
Particular description of goods.—Lead Pencils, Leads, Tubes of Leads, Crayons, and Penholders.
Claims use since August, 1926.

Ser. No. 246,252. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) VULCAN MATCH CO., INC., New York, N. Y. Filed Mar. 23, 1927.

CAMEL
MADE IN SWEDEN
SAFETY MATCHES

No claim is made to the exclusive use of the representation of the label or the words "Made in Sweden Safety Matches" apart from the mark as shown in the drawing.
Particular description of goods.—Safety Matches.
Claims use since Feb. 8, 1927.

Ser. No. 246,276. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOUNDATION PRESS, INC., Cleveland, Ohio. Filed Mar. 24, 1927.



Particular description of goods.—Printed Books Published from Time to Time.
Claims use since Jan. 16, 1924.

Ser. No. 246,286. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Mar. 24, 1927.

LANOLOBRIC

Particular description of goods.—Oils for Treating Textile Fibers.
Claims use since Feb. 17, 1927.

Ser. No. 246,291. (CLASS 39. CLOTHING.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 24, 1927.

"SEA SHELL"

Particular description of goods.—Bathing Shoes.
Claims use since Jan. 15, 1927.

Ser. No. 246,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL KNIGHTON & SONS, INC., New York, N. Y. Filed Mar. 24, 1927.



No claim is made to the word "Flour."
Particular description of goods.—Wheat Flour.
Claims use since Jan. 2, 1927.

Ser. No. 246,346. (CLASS 15. OILS AND GREASES.) HERINGTON OIL COMPANY, Herington, Kans. Filed Mar. 25, 1927.

KANSALENE

Particular description of goods.—Lubricating and Fuel Oils, Liquid Fuels Consisting of Gasoline and Kerosene.
Claims use since November, 1924.

Ser. No. 246,360. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PEATES MUSIC HOUSE, INCORPORATED, Utica, N. Y. Filed Mar. 25, 1927.



Particular description of goods.—Violin Cases.
Claims use since Dec. 14, 1925.

Ser. No. 246,374. (CLASS 39. CLOTHING.) WHITEFORD CORPORATION, Athens, Ga. Filed Mar. 25, 1927.



Particular description of goods.—Hosiery and Dress Shirts.
Claims use since Jan. 1, 1927.

Ser. No. 246,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIVAR & CA., Portimao, Portugal. Filed Mar. 26, 1927.

SARAH

Particular description of goods.—Canned Sardines.
Claims use since July, 1924.

Ser. No. 246,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Mar. 26, 1927.

RARITIES

Particular description of goods.—Candy.
Claims use since Feb. 24, 1927.

Ser. No. 246,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CADBURY BROTHERS, LIMITED, Birmingham and Bournville, England. Filed Mar. 26, 1927. Under 10-year proviso.

CADBURY

Particular description of goods.—Cocoa, Chocolate, Chocolate Candy, Cakes, and Crackers, Sugar Candy, Bonbons Composed of Nuts or Fruits and Crystallized Flowers (Being Boiled Sugar Goods).
Claims use since about 1855 and in regard of cocoa and chocolate and since before the year 1870 in respect of the remaining goods.

Ser. No. 246,395. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THOMAS DEVELON Jr., Philadelphia, Pa. Filed Mar. 26, 1927.



No claim is made for the following matter apart from the mark shown—Namely, "Wilton Rug" and "Guaranteed Jacquard Woven Wilton." The drawing is lined to indicate shading.
Particular description of goods.—Textile Rugs and Floor Coverings.
Claims use since Nov. 1, 1926.

Ser. No. 246,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES J. JOHNSON, doing business as Johnson Manufacturing Company, Chicago, Ill. Filed Mar. 26, 1927.



Particular description of goods.—Soldering Fluid.
Claims use since March, 1918.

Ser. No. 246,416. (CLASS 39. CLOTHING.) WILLIAM H. KEZZIAH, doing business as Royal Clothing Mfg. Co., Canton, N. C. Filed Mar. 26, 1927.



Particular description of goods.—Overalls, Pants, and Work Shirts.
Claims use since March, 1921.

Ser. No. 246,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHEPARD POINT PACKING CO., Seattle, Wash. Filed Mar. 26, 1927.

SEA ROAMER

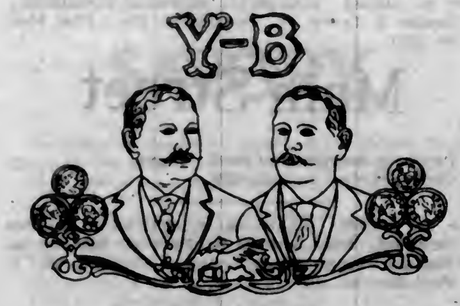
Particular description of goods.—Canned Salmon.
Claims use since June, 1926.

Ser. No. 246,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRAGUE, WARNER & CO., Chicago, Ill. Filed Mar. 26, 1927.

DIETARO

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Mar. 17, 1927.

Ser. No. 246,457. (CLASS 17. TOBACCO PRODUCTS.) YOCUM BROS., INC., Reading, Pa. Filed Mar. 26, 1927.



The left-hand portrait in the mark herein is the portrait of the said William Henry Yocum, now president of Yocum Bros., Inc., and the right-hand portrait in the mark herein is the portrait of the said James Wellington Yocum, now deceased, said William Henry Yocum and James Wellington Yocum both being former predecessors in title of the applicant's cigar business.
Particular description of goods.—Cigars.
Claims use since the year 1890.

Ser. No. 246,458. (CLASS 17. TOBACCO PRODUCTS.) YOCUM BROS., INC., Reading, Pa. Filed Mar. 26, 1927.



The portrait in the mark herein represents no particular person, but is merely a fanciful portrait.
Particular description of goods.—Cigars.
Claims use since the year 1892.

Ser. No. 246,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCINDA F. BEAUDREAU, Fallon, Nev. Filed Mar. 28, 1927.

H. E. Beaudreau

The signature which forms the mark sought to be registered is that of one H. E. Beaudreau (now deceased).
Particular description of goods.—A Preparation for Use in the Treatment of Asthma and All Bronchial Troubles.
Claims use since January, 1922.

Ser. No. 246,482. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JULIAN D'ESTE COMPANY, Boston, Mass. Filed Mar. 28, 1927.



Particular description of goods.—Pressure Regulators for Steam, Water, Gas, Air, Oil, and Other Fluids and Gases; Combustion Controls of Steam and Hydraulic Types; Steam Traps of Float, Bucket, Expansion, and Return Types, Together with Relief Valves, Temperature Ball Cocks, Tank Valves, and Various Types of Pump Regulators.
Claims use since on or about Jan. 1, 1908.

Ser. No. 246,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFREDO LUCATI, New York, N. Y. Filed Mar. 28, 1927.



Particular description of goods.—Liquid Bleach for Washing Clothes Used with Hot or Cold Water.
Claims use since Jan. 3, 1927.

Ser. No. 246,513. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMPSON'S MALTED FOOD COMPANY, Waukesha, Wis. Filed Mar. 28, 1927.



Particular description of goods.—Chocolate-Flavored Egg Malted Milk (a Packaged Food Product to be Used as a Base for a Beverage).
Claims use since Feb. 16, 1927.

Ser. No. 246,547. (CLASS 39. CLOTHING.) GREWEN FABRIC COMPANY, INC., Johnstown, N. Y. Filed Mar. 29, 1927.

Grewtex

Applicant owns registration Nos. 157,086 and 189,191. The trade-mark "Grewtex."
Particular description of goods.—Cloth Gloves.
Claims use since Jan. 26, 1927.

Ser. No. 246,613. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KING MANUFACTURING CORPORATION, Buffalo, N. Y. Filed Mar. 30, 1927.

KING QUALITY K

No claim is made to the word "Quality" apart from the mark as shown.
Particular description of goods.—Automotive Parts—Namely, Steering-Knuckle Bolts, Spring-Shackle Bolts, Tie-Rod Yoke Bolts, and Piston-Pin Set Screws.
Claims use since about June, 1924.

Ser. No. 246,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK A. SCHWANNECKE, doing business as F. A. Schwannecke Co., New Rochelle, N. Y. Filed Mar. 30, 1927.

POWDERETTE

Particular description of goods.—Face Powders, Talcum Powders, Tooth Powders, Dusting Powders, Nail Powders, Foot Powders, and Deodorant Powders.
Claims use since Mar. 22, 1927.

Ser. No. 246,646. (CLASS 17. TOBACCO PRODUCTS.) ROBERT S. TATUM, Jr., Jacksonville, Fla. Filed Mar. 30, 1927.

Main Street

Particular description of goods.—Cigars.
Claims use since Sept. 23, 1926.

Ser. No. 246,695. (CLASS 39. CLOTHING.) MARKOFF BROTHERS, doing business as Mark-Off Shoe Stores, Danbury, South Norwalk, Conn., Peekskill, N. Y. Filed Mar. 31, 1927.

"TRUE TO ITS NAME"
Mark-Off

Particular description of goods.—Boots, Shoes, Slippers, Made of Leather, Fabric, or Rubber or Combinations of These Goods, Rubbers.
Claims use since Aug. 1, 1926.

Ser. No. 246,709. (CLASS 37. PAPER AND STATIONERY.) RAND KARDEX BUREAU, INC., Tonawanda, N. Y. Filed Mar. 31, 1927.

SOUNDEX

Particular description of goods.—Blank and Partially-Printed Cards and Forms for Indexes, Indexes Consisting of Blank or Partially-Printed Forms or Cards, Index Guide Cards and Separator Cards of the Type Used for Phonetic Indexes, and Frames and Holders for Index Cards.
Claims use since Aug. 10, 1926.

Ser. No. 246,719. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Mar. 31, 1927.

Batika

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since January, 1927.

Ser. No. 246,734. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BEN-BURK, INC., Boston, Mass. Filed Apr. 1, 1927.

Kilarney

"Kilarney."
Particular description of goods.—Malt Sirup.
Claims use since Feb. 18, 1927.

Ser. No. 246,775. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Apr. 1, 1927.

SAVORY

Particular description of goods.—Wash Boilers, Wash-Boiler Covers, Washtubs; and Clothes Sprayers.
Claims use since Aug. 26, 1926.

Ser No. 246,777. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Apr. 1, 1927.

SAVORY

Particular description of goods.—Candlesticks, Stovepipe Thimbles, Stovepipe Dampers, Stovepipe Elbows, Flue Stoppers, Stovepipe Rings, Furnace Pipes, and Stovepipes.
Claims use since Aug. 26, 1926.

Ser. No. 246,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Apr. 2, 1927.

CUM-GET-IT

Particular description of goods.—Candy.
Claims use since Feb. 24, 1927.

Ser. No. 246,897. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 4, 1927.

FLORANADA

Particular description of goods.—Piece Goods Made of Silk, Cotton, and Wool.
Claims use since Mar. 3, 1927.

Ser. No. 246,902. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HOOVER BODY COMPANY, York, Pa. Filed Apr. 4, 1927.

STEELKOTE

Particular description of goods.—Vehicle Bodies and Parts Thereof.
Claims use since Mar. 1, 1927.

Ser. No. 246,904. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HOOVER BODY COMPANY, York, Pa. Filed Apr. 4, 1927.

UNI-BILT

Particular description of goods.—Vehicle Bodies and Parts Thereof.
Claims use since Mar. 1, 1927.

Ser. No. 246,910. (CLASS 39. CLOTHING.) THE JUVENILE MFG. CO., San Antonio, Tex. Filed Apr. 4, 1927.

SANTONE

Particular description of goods.—Boys' Suits, Blouses, and Pants; Aprons, Bonnets, Walking Dresses, and Baby Caps, Dresses, Gertrudes, and Gowns.
Claims use since March, 1919.

Ser. No. 246,913. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) LAMCO PRODUCTS CO., Chicago, Ill. Filed Apr. 4, 1927.

WELMAID

Particular description of goods.—Ironing-Board Pads and Covers.
Claims use since Apr. 1, 1925.

Ser. No. 246,924. (CLASS 38. PRINTS AND PUBLICATIONS.) ADELAIDE I. NORTON, Palm Beach, Fla. Filed Apr. 4, 1927.

PALM BEACH SOCIETY SPORTS, FASHIONS, ART, DRAMA.

No claim is made to the exclusive use of the words "Sports, Fashions, Art, Drama" except in the association shown with said trade-mark.

Particular description of goods.—Bimonthly Publication or Magazine.

Claims use since Feb. 22, 1927.

Ser. No. 246,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENCE PRODUCE COMPANY, Independence, Iowa. Filed Apr. 5, 1927.

IOX

Particular description of goods.—Eggs.

Claims use since Apr. 13, 1916.

Ser. No. 246,958. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ELISABETH JELLINEK, New York, N. Y. Filed Apr. 5, 1927.

JELSIE

Particular description of goods.—Purses, Hand Bags, Muff Bags, and Pocketbooks.

Claims use since September, 1926.

Ser. No. 246,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KEMIC POWDER CO., Seattle, Wash. Filed Apr. 5, 1927.

KEMIC

Particular description of goods.—Dentifrices.

Claims use since May 15, 1925.

Ser. No. 246,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERT O. LYTLE, doing business as Vitalite Medicine Company, Green Bay, Wis. Filed Apr. 5, 1927.

Vitalite

Particular description of goods.—Tonic Laxative and Alterative.

Claims use since Oct. 1, 1925.

Ser. No. 246,969. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATÉ, INC., Philadelphia, Pa. Filed Apr. 5, 1927.

L'Embrasse D'Amour

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Solid Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, and Sachets.

Claims use since Mar. 29, 1927.

Ser. No. 246,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEIGHBOR PRODUCTS CO., Chicago, Ill. Filed Apr. 5, 1927.

IGH

Particular description of goods.—Alimentary Pastes—Namely, Macaroni, Noodles, and Spaghetti; Rolled Oats, and Mustard.

Claims use since Dec. 21, 1926, on macaroni, noodles, and spaghetti; since Nov. 1, 1926, on rolled oats and mustard.

Ser. No. 246,979. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

PENIMAID PURSES

Applicant disclaims any exclusive right to the word "Purses" apart from the mark shown on the drawing.

Particular description of goods.—Ladies' Purses and Hand Bags.

Claims use since Mar. 7, 1927.

Ser. No. 246,987. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STRAUSS-ECKARDT CO., INC., New York, N. Y. Filed Apr. 5, 1927.

Our PlayYard Pet

Particular description of goods.—Dolls and Doll Playpen Sets.

Claims use since Jan. 10, 1927.

Ser. No. 247,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. R. CHANDLER, doing business as W. R. Chandler & Sons, Paducah, Ky. Filed Apr. 6, 1927.

"Lung-Joy"

Particular description of goods.—Preparations for Use in the Treatment of Ailments of the Lungs.

Claims use since June 26, 1923.

Ser. No. 247,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD T. DURIS, Granville Center, Mass. Filed Apr. 6, 1927.

E.T.D.

Particular description of goods.—Whooping-Cough Compound.

Claims use since Mar. 16, 1927.

Ser. No. 247,008. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FANNIE MAY CANDY CO. INC., Washington, D. C. Filed Apr. 6, 1927.

Fannie May Home made Candies

Exclusive use of the words "Home Made Candies" is disclaimed except in connection with the mark as shown.

Particular description of goods.—Candy.

Claims use since April, 1919.

Ser. No. 247,018. (CLASS 37. PAPER AND STATIONERY.) GROFF PAPER COMPANY, St. Paul, Minn. Filed Apr. 6, 1927.

Lin-Embo

Particular description of goods.—Paper Napkins.

Claims use since on or about Oct. 23, 1926.

Ser. No. 247,036. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC SEA FOODS CO., Hoquiam, Wash. Filed Apr. 6, 1927.

PROPELLER

Particular description of goods.—Canned Clams.

Claims use since Mar. 5, 1926.

Ser. No. 247,037. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE PAPER NOVELTY COMPANY, Green Bay, Wis. Filed Apr. 6, 1927.

Medix

Particular description of goods.—Sanitary Napkins.

Claims use since Jan. 1, 1927.

Ser. No. 247,112. (CLASS 17. TOBACCO PRODUCTS.) THE ZORRO TOBACCO CO. INC., New York, N. Y. Filed Apr. 7, 1927.



Particular description of goods.—Smoking Tobacco.
Claims use since Apr. 2, 1927.

Ser. No. 247,113. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, INCORPORATED, Holyoke, Mass. Filed Apr. 8, 1927.

MARDI GRAS

Particular description of goods.—Writing and Printing Paper.
Claims use since Mar. 30, 1927.

Ser. No. 247,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Apr. 8, 1927.

THREE FLOWERS

PERFUME PATS

No registration rights are claimed for the word "Perfume" apart from the mark shown in the drawing.
Particular description of goods.—Perfume in a Concentrated or Solid Form Having a Higher Percentage of Essential Oils Than is Found in Liquid Perfume.
Claims use since Mar. 23, 1927.

Ser. No. 247,131. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IN-A-DOOR COFFEE COMPANY OF MISSOURI, St. Louis, Mo. Filed Apr. 8, 1927.



Particular description of goods.—Coffee.
Claims use since Dec. 6, 1926.

Ser. No. 247,137. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. H. MARKEY CO., INC., St. Joseph, Mo. Filed Apr. 8, 1927.



Particular description of goods.—Creosote Emulsions for Coughs and Colds.
Claims use since Jan. 1, 1926.

Ser. No. 247,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEEKS & WINTER, Pawlet, Vt. Filed Apr. 8, 1927.

CHEMOLYTE

Particular description of goods.—Chemical Compound for Electric Storage Batteries.
Claims use since Jan. 2, 1927.

Ser. No. 247,223. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPEAR AND MORGAN MANUFACTURING COMPANY, Waycross, Ga. Filed Apr. 9, 1927.

Po-Ca-Ra

Particular description of goods.—Liquid Laxative for Constipation and Indigestion and Other Ailments Caused by an Inactive Liver.
Claims use since Feb. 10, 1927.

Ser. No. 247,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAUNCEY F. YORK, doing business as Cheva Company, Detroit, Mich. Filed Apr. 9, 1927.

MA-CHE-VA

Particular description of goods.—Powder for Exterminating Rats and Mice.
Claims use since Apr. 8, 1927.

Ser. No. 247,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY MAILLARD, INC., Long Island City, N. Y. Filed Apr. 13, 1927.



Particular description of goods.—Candy.
Claims use since Mar. 28, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 17, 1927.

227,718. BLOOD PURIFIER. C. Liscio & Company, New York, N. Y.
Filed November 26, 1926. Serial No. 240,612. PUBLISHED MARCH 8, 1927.

227,719. LUBRICATING OILS AND GREASES AND SPECIAL LUBRICANTS FOR VARIOUS INDUSTRIAL PURPOSES—NAMELY, GEAR LUBRICANTS, AUTO GEAR LUBRICANTS, TRACTOR GEAR LUBRICANTS, TRACTOR MOTOR OILS, CUP GREASES; LUBRICANTS FOR ROPE FILLERS, EITHER WIRE OR FIBER; AND LUBRICANTS FOR CAM PLUNGERS. The Ironsides Company, Columbus, Ohio.
Filed November 27, 1926. Serial No. 240,659. PUBLISHED MARCH 1, 1927.

227,720. TOBACCO—NAMELY, SMOKING TOBACCO FOR PIPES AND CIGARETTES. R. J. Reynolds Tobacco Company, Winston-Salem, N. C.
Filed November 29, 1926. Serial No. 240,733. PUBLISHED MARCH 8, 1927.

227,721. BASEBALL GLOVES AND BASEBALLS. Wilson-Western Sporting Goods Company, Chicago, Ill.
Filed December 1, 1926. Serial No. 240,837. PUBLISHED MARCH 8, 1927.

227,722. ANTISEPTICS. Forhan Company, New York, N. Y.
Filed December 4, 1926. Serial No. 240,970. PUBLISHED FEBRUARY 22, 1927.

227,723. WOOLEN PIECE GOODS, COTTON PIECE GOODS, WOOLEN BLANKETS, FLANNEL SUITINGS IN THE PIECE, AUTOMOBILE ROBES, CARRIAGE ROBES, AND BABY-CARRIAGE COVERS OF TEXTILE FABRIC. Joshua Hoyle & Sons, Ltd. Inc., New York, N. Y.
Filed December 7, 1926. Serial No. 241,104. PUBLISHED MARCH 8, 1927.

227,724. APPARATUS FOR HUMIDIFYING AND PURIFYING AIR. Andre-White Corporation, Chicago, Ill.
Filed December 13, 1926. Serial No. 241,374. PUBLISHED MARCH 8, 1927.

227,725. HEATING-RADIATOR HUMIDIFYING SHIELDS AND COVERS. Andre-White Corporation, Chicago, Ill.
Filed December 13, 1926. Serial No. 241,375. PUBLISHED MARCH 8, 1927.

227,726. PNEUMATIC TIRES. The Fisk Rubber Company, Chicopee Falls, Mass., and Cudahy, Wis.
Filed December 13, 1926. Serial No. 241,406. PUBLISHED MARCH 8, 1927.

227,727. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. The Fisk Rubber Company, Chicopee Falls, Mass.
Filed December 14, 1926. Serial No. 241,475. PUBLISHED MARCH 8, 1927.

227,728. DIARIES. The Standard Diary Company, Cambridge, Mass.
Filed January 11, 1927. Serial No. 242,695. PUBLISHED MARCH 8, 1927.

227,729. BAKING POWDER. Lewis R. Donelson, Jr., Memphis, Tenn.
Filed January 10, 1927. Serial No. 242,576. PUBLISHED MARCH 8, 1927.

227,730. LAXATIVE MEDICINE. Robert Euster, doing business as Wine Taste Laxative Co., Middlesboro, Ky.
Filed January 10, 1927. Serial No. 242,579. PUBLISHED MARCH 8, 1927.

227,731. MALT EXTRACT FOR FOOD PURPOSES. J. W. Mitts, doing business as Crystal Malt Products Co. Chicago, Ill.
Filed January 10, 1927. Serial No. 242,603. PUBLISHED FEBRUARY 22, 1927.

227,732. RUG, CARPET, UPHOLSTERY, FURNITURE, WALL-PAPER, AND ENAMEL CLEANER. Alfred B. Parker, doing business as Nu-Tone Products Co., Portland, Oreg.
Filed January 10, 1927. Serial No. 242,609. PUBLISHED MARCH 8, 1927.

227,733. PERFUME, TOILET WATER, TALCUM POWDER, ROUGES, BRILLIANTINE, BATH SALTS, AND HAIR TONIC. La Salle Products, Inc., St. Paul, Minn.
Filed January 11, 1927. Serial No. 242,673. PUBLISHED MARCH 8, 1927.

227,734. HEAT INDICATORS FOR INTERNAL-COMBUSTION ENGINES. Pyrene Manufacturing Company, Newark, N. J.
Filed January 13, 1927. Serial No. 242,796. PUBLISHED MARCH 8, 1927.

227,735. WOODEN KEGS. Davis Cooperage Company, Martinsville, Ind.
Filed January 15, 1927. Serial No. 242,881. PUBLISHED MARCH 8, 1927.

227,736. OIL BURNERS. National Appliances Installations, Inc., New York, N. Y.
Filed January 17, 1927. Serial No. 242,961. PUBLISHED MARCH 8, 1927.

227,737. PREPARATION FOR THE TREATMENT OF NECROTIC ENTERITIS, FLU AND MIXED INFECTION IN HOGS. Baker-Mayes Co., South Omaha, Nebr.
Filed January 20, 1927. Serial No. 243,080. PUBLISHED MARCH 8, 1927.

227,738. PERFUMES AND NATURAL AND SYNTHETIC OILS SUITABLE FOR PERFUMERY PURPOSES. Heine & Co., New York, N. Y.
Filed January 20, 1927. Serial No. 243,090. PUBLISHED MARCH 8, 1927.

227,739. FIRE-EXTINGUISHING COMPOSITIONS. I. P. Thomas & Son, Co., Philadelphia, Pa., assignor to American Fomon Company, Philadelphia, Pa., a Corporation of New Jersey.
Filed January 20, 1927. Serial No. 243,121. PUBLISHED MARCH 8, 1927.

227,740. DRIED FRUITS. Goldenbirb Fruits, Inc., San Jose, Calif.
Filed January 21, 1927. Serial No. 243,149. PUBLISHED MARCH 8, 1927.

227,741. TOILET PREPARATION. Joseph A. Horigan, doing business as Horigan Manufacturing Company, Kansas City, Mo.
Filed January 21, 1927. Serial No. 243,156. PUBLISHED MARCH 8, 1927.

227,742. WOODEN BARRELS AND STAVES, HEADINGS, AND SHOOKS THEREFOR. Lucas E. Moore Stave Co. of Ga., Savannah, Ga.
Filed January 21, 1927. Serial No. 243,164. PUBLISHED MARCH 8, 1927.

227,743. GOLF BALLS. Arlington Rubber Company, Everett, Mass.
Filed January 22, 1927. Serial No. 243,189. PUBLISHED MARCH 8, 1927.

227,744. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. Thos. J. Beck, doing business as The Lu-Lu Company, Harrisburg, Pa.
Filed January 22, 1927. Serial No. 243,191. PUBLISHED MARCH 8, 1927.

227,745. DISTILLED WATER. Ira H. Jewell, doing business as Jewell Water Co., Chicago, Ill.
Filed January 24, 1927. Serial No. 243,272. PUBLISHED MARCH 8, 1927.

227,746. COFFEE. Sanitary Grocery Company, Incorporated, Washington, D. C.
Filed January 26, 1927. Serial No. 243,389. PUBLISHED MARCH 8, 1927.

227,747. PERIODICAL. The Meliorate Club Company, Akron, Ohio.
Filed January 29, 1927. Serial No. 243,552. PUBLISHED MARCH 8, 1927.

227,748. CARTOONS. Metropolitan Newspaper Service, New York, N. Y.
Filed January 29, 1927. Serial No. 243,553. PUBLISHED MARCH 8, 1927.

227,749. DYESTUFFS. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed January 5, 1927. Serial No. 242,368. PUBLISHED MARCH 8, 1927.

227,750. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. D. Lisner & Co. Inc., New York, N. Y.
Filed January 5, 1927. Serial No. 242,380. PUBLISHED MARCH 8, 1927.

227,751. HAYS AND GROUND FEEDS. Mason Alfalfa Process Company, Philadelphia, Pa.
Filed January 5, 1927. Serial No. 242,383. PUBLISHED MARCH 1, 1927.

227,752. GLASS AND METAL POLISH. Paul Roussey, Brooklyn, N. Y.
Filed January 5, 1927. Serial No. 242,394. PUBLISHED MARCH 8, 1927.

227,753. YEAST. Universal Yeast Corporation, Astoria and Brooklyn, N. Y.
Filed January 5, 1927. Serial No. 242,400. PUBLISHED MARCH 1, 1927.

227,754. CANNED VEGETABLES. John Matoska, doing business as Bradford Packing Co., Baltimore, Md.
Filed January 6, 1927. Serial No. 242,434. PUBLISHED MARCH 8, 1927.

227,755. HONES. Henry Greenberg, Brooklyn, N. Y.
Filed January 7, 1927. Serial No. 242,479. PUBLISHED MARCH 8, 1927.

227,756. PECANS IN THEIR NATURAL STATE. Dixie Pecan Growers Exchange, Inc., Barnesville, Ga.
Filed January 8, 1927. Serial No. 242,524. PUBLISHED MARCH 8, 1927.

227,757. WHEAT FLOUR. Fischer Flouring Mills Company, Seattle, Wash.
Filed January 8, 1927. Serial No. 242,530. PUBLISHED MARCH 8, 1927.

227,758. READY-MIXED PAINTS. Great Lakes Varnish Works, Inc., Chicago, Ill.
Filed January 10, 1927. Serial No. 242,584. PUBLISHED MARCH 8, 1927.

227,759. DOG AND PUPPY BISCUITS. K. O. Supply Company, Inc., Portland, Oreg.
Filed January 10, 1927. Serial No. 242,594. PUBLISHED MARCH 8, 1927.

227,760. BREAD, CRACKERS, CAKES, COOKIES, AND BUNS. Matthaei Baking Co., Tacoma, Wash.
Filed January 10, 1927. Serial No. 242,601. PUBLISHED MARCH 8, 1927.

227,761. CANNED SALMON AND CLAMS. Tillamook Bay Fish Co., Bay City, Oreg.
Filed January 10, 1927. Serial No. 242,632. PUBLISHED MARCH 8, 1927.

227,762. WATERPROOF LEATHER DRESSING. E. E. Blackledge, doing business as E. E. Blackledge Co., Polson, Mont.
Filed January 11, 1927. Serial No. 242,653. PUBLISHED MARCH 8, 1927.

227,763. CREPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. American Tissue Mills, Holyoke, Mass.
Filed January 12, 1927. Serial No. 242,700. PUBLISHED MARCH 8, 1927.

227,764. DURUM SEMOLINA. Duluth-Superior Milling Company, Duluth, Minn., and New York, N. Y.
Filed January 12, 1927. Serial No. 242,712. PUBLISHED MARCH 8, 1927.

227,765. ALBUMS. Eastman Kodak Company, Rochester, N. Y.
Filed January 12, 1927. Serial No. 242,713. PUBLISHED MARCH 8, 1927.

227,766. ALBUMS. Eastman Kodak Company, Rochester, N. Y.
Filed January 12, 1927. Serial No. 242,714. PUBLISHED MARCH 8, 1927.

227,767. RADIO RECEIVING SETS. Filter-Flex Radio Corp., Los Angeles, Calif.
Filed January 12, 1927. Serial No. 242,717. PUBLISHED MARCH 8, 1927.

227,768. AUTOMOBILE REARVIEW MIRRORS. Mrs. Dora F. Beauchamp, doing business as Doro-Bo Co., Brooklyn, N. Y.
Filed December 21, 1926. Serial No. 241,768. PUBLISHED MARCH 8, 1927.

227,769. ARCH SUPPORTERS. Mayer Arch Support Company, Milwaukee, Wis.
Filed December 20, 1926. Serial No. 241,738. PUBLISHED MARCH 8, 1927.

227,770. HANDKERCHIEF. M. Doob, Sons & Company, New York, N. Y.
Filed December 20, 1926. Serial No. 241,701. PUBLISHED MARCH 8, 1927.

227,771. POLISHER AND CLEANSER IN THE NATURE OF A FURNITURE OR AUTOMOBILE POLISH, PUT UP IN LIQUID FORM. Sidney R. Brown, doing business as Port-Houston Polish Company, Houston, Tex.
Filed December 20, 1926. Serial No. 241,693. PUBLISHED MARCH 8, 1927.

227,772. ELECTRICALLY-OPERATED SUCTION CLEANERS. The Standard Vacuum Cleaner Manufacturing Company, Cleveland, Ohio.
Filed December 18, 1926. Serial No. 241,683. PUBLISHED MARCH 1, 1927.

227,773. PHONOGRAPHS AND PHONOGRAPH SOUND BOXES AND PHONOGRAPH NEEDLES. Walker Products Company, New York, N. Y.
Filed December 16, 1926. Serial No. 241,594. PUBLISHED MARCH 8, 1927.

227,774. PORTABLE SHOWERS AND SHOWER SPRAYS. United Manufacturing Co., Philadelphia, Pa.
Filed December 16, 1926. Serial No. 241,591. PUBLISHED MARCH 8, 1927.

227,775. HORSESHOE STUDS. Leonhardt & Co., Schoeneberg, Germany.
Filed December 16, 1926. Serial No. 241,577. PUBLISHED MARCH 8, 1927.

227,776. WHEAT FLOUR. Hylton Flour Mills, Inc., Ogden, Utah.
Filed December 16, 1926. Serial No. 241,572. PUBLISHED MARCH 8, 1927.

227,777. ELECTRIC BELTS. ADOLPH NELSON, doing business as The Synflex Company, Seattle, Wash.
Filed December 14, 1926. Serial No. 241,494. PUBLISHED MARCH 8, 1927.

227,778. LACES AND EMBROIDERIES AS MANUFACTURED IN THE PIECE. THURNHERR & UPTON CO., West New York, N. J.
Filed December 13, 1926. Serial No. 241,453. PUBLISHED MARCH 8, 1927.

227,779. FOOD DRESSING IN THE FORM OF A SAUCE COMPOSED OF FRUIT AND VEGETABLE PRODUCTS FOR USE IN ALL KINDS OF DESSERTS AND FOOD PRODUCTS. THE SHAW FAMILY, INC., San Jose, Calif.
Filed December 13, 1926. Serial No. 241,445. PUBLISHED MARCH 8, 1927.

227,780. METAL SHADES FOR ELECTRIC LIGHTS. MONROE S. CLAWSON, Upper Montclair, N. J.
Filed December 13, 1926. Serial No. 241,394. PUBLISHED MARCH 8, 1927.

227,781. GENERAL TONIC HAVING A WINE BASE. GARRETT & COMPANY, INC., Brooklyn, N. Y.
Filed November 17, 1926. Serial No. 240,182. PUBLISHED MARCH 8, 1927.

227,782. ICE CREAM, WHIPPING CREAM, BUTTER, AND EGGS. RIO GRANDE VALLEY DAIRY ASSOCIATION, El Paso, Tex.
Filed January 4, 1927. Serial No. 242,352. PUBLISHED MARCH 1, 1927.

227,783. PIANOS. LESTER PIANO COMPANY, Philadelphia, Pa.
Filed January 4, 1927. Serial No. 242,342. PUBLISHED MARCH 8, 1927.

227,784. LIQUID FLEA SOAP. GRAY MILLER CORPORATION, Fernwood, Pa.
Filed January 4, 1927. Serial No. 242,336. PUBLISHED MARCH 8, 1927.

227,785. DRILL AND TOOL STEEL. ZIV STEEL & WIRE COMPANY, Chicago, Ill.
Filed January 3, 1927. Serial No. 242,329. PUBLISHED MARCH 8, 1927.

227,786. ELECTRIC SPOTLIGHTS FOR VEHICLES. GLASSMOBILE CORPORATION, Detroit, Mich.
Filed December 31, 1926. Serial No. 242,230. PUBLISHED MARCH 8, 1927.

227,787. ELECTRICAL APPARATUS CONSISTING OF BATTERY CHARGERS AND RECHARGERS. SUPREME ELECTRIC MFG. CO., Chicago, Ill.
Filed December 30, 1926. Serial No. 242,216. PUBLISHED MARCH 8, 1927.

227,788. SALVE FOR CUTS, BRUISES, BURNS, AND RUNNING SORES. F. M. STUCKEY & COMPANY, Wichita Falls, Tex.
Filed December 30, 1926. Serial No. 242,215. PUBLISHED MARCH 8, 1927.

227,789. CREAM METAL POLISH AND CLEANER. RANDALL PRODUCTS CORPORATION, Stapleton, N. Y.
Filed December 30, 1926. Serial No. 242,210. PUBLISHED MARCH 8, 1927.

227,790. MEDICATED MINT FOR THE TREATMENT OF INDIGESTION. RAYNOR MEAD, doing business as Tast-T-Mint Co., New York, N. Y.
Filed December 30, 1926. Serial No. 242,200. PUBLISHED MARCH 8, 1927.

227,791. PLANT FOODS. JAMES STANLEY FALCK, doing business as Squanette Plant Fude Company, Washington, D. C.
Filed December 30, 1926. Serial No. 242,174. PUBLISHED MARCH 8, 1927.

227,792. AUTOMOBILE RIM FOR THE WHEELS OF AUTOMOBILES. JOSE CRUZ, Ansonia, Conn.
Filed December 30, 1926. Serial No. 242,173. PUBLISHED MARCH 8, 1927.

227,793. ELECTRIC FLATIRONS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed December 29, 1926. Serial No. 242,090. PUBLISHED MARCH 1, 1927.

227,794. ELECTRIC FLATIRONS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed December 29, 1926. Serial No. 242,089. PUBLISHED MARCH 1, 1927.

227,795. ELECTRIC FLATIRONS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed December 29, 1926. Serial No. 242,085. PUBLISHED MARCH 1, 1927.

227,796. PREPARATION FOR THE TREATMENT OF CORNS, WARTS, AND CALLI. CAPTO PRODUCTS CO. INC., Belleville, N. J.
Filed December 29, 1926. Serial No. 242,083. PUBLISHED MARCH 8, 1927.

227,797. MALT SIRUP FOR FOOD PURPOSES. VALENTIN BLATZ BREWING COMPANY, doing business as Val. Blatz Brewing Company, Milwaukee, Wis.
Filed December 29, 1926. Serial No. 242,079. PUBLISHED MARCH 1, 1927.

227,798. RADIO RECEIVING SETS AND PARTS THEREOF AND LOUD SPEAKERS. LUXOR RADIO CORPORATION, New York, N. Y.
Filed December 28, 1926. Serial No. 242,063. PUBLISHED MARCH 1, 1927.

227,799. ELECTRIC VEHICLE LAMPS. DELTA ELECTRIC CO., Marion, Ind.
Filed December 27, 1926. Serial No. 241,990. PUBLISHED MARCH 8, 1927.

227,800. ALIMENTARY PRODUCTS—NAMELY, MACARONI. CHICAGO MACARONI CO., Chicago, Ill.
Filed December 27, 1926. Serial No. 241,986. PUBLISHED MARCH 1, 1927.

227,801. PASTE AND READY-MIXED PAINTS, VARNISHES, AND LACQUERS. THE ATLANTIC ENAMEL AND LACQUER WORKS, INC., New York, N. Y.
Filed December 24, 1926. Serial No. 241,919. PUBLISHED MARCH 8, 1927.

227,802. LAXATIVES. EMSACO LABORATORIES, INC., Brooklyn, N. Y.
Filed December 13, 1926. Serial No. 241,402. PUBLISHED MARCH 8, 1927.

227,803. FERTILIZER—NAMELY, FISH MEAL. WILBUR ELLIS COMPANY, San Francisco, Calif.
Filed January 14, 1927. Serial No. 242,873. PUBLISHED MARCH 8, 1927.

227,804. MEDICINE KNOWN AS "GORDONS NO. 30" FOR FEVER, COLDS, MALARIA, AND CONSTIPATION. GORDON DRUG COMPANY, Chattanooga, Tenn.
Filed January 15, 1927. Serial No. 242,888. PUBLISHED MARCH 8, 1927.

227,805. VENEREAL PROPHYLACTIC. MORTIMOR JACOBS, Newark, N. J.
Filed January 15, 1927. Serial No. 242,890. PUBLISHED MARCH 8, 1927.

227,806. SHAMPOO. SAN-I-SAL LABORATORIES, INC., Washington, D. C.
Filed January 15, 1927. Serial No. 242,911. PUBLISHED MARCH 8, 1927.

227,807. SANITARY PADS. SAUQUOIT PAPER CO. INC., New Hartford, N. Y.
Filed January 15, 1927. Serial No. 242,914. PUBLISHED MARCH 8, 1927.

227,808. CRYSTAL AND RUBBER COMBINATION MOUTHPIECES FOR WIND INSTRUMENTS. H. & A. SELMER, INC., New York, N. Y.
Filed January 15, 1927. Serial No. 242,921. PUBLISHED MARCH 8, 1927.

227,809. NAIL POLISHES, LIP STICKS, LIP PASTES, POMADES, TALCUM POWDERS, EYEBROW PENCILS, SKIN LOTIONS, SKIN POWDERS, AND HAIRDRESSINGS. T. & O., New York, N. Y.
Filed January 15, 1927. Serial No. 242,925. PUBLISHED MARCH 8, 1927.

227,810. COTTON PIECE GOODS. CHARLES TOPKIS, Wilmington, Del.
Filed January 15, 1927. Serial No. 242,927. PUBLISHED MARCH 8, 1927.

227,811. TIN PLATE. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed January 15, 1927. Serial No. 242,936. PUBLISHED MARCH 8, 1927.

227,812. TIN PLATE. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed January 15, 1927. Serial No. 242,937. PUBLISHED MARCH 8, 1927.

227,813. AIRPLANES. HUFF DALAND AIRPLANES, INC., now by change of name Keystone Aircraft Corporation, Bristol, Pa.
Filed January 17, 1927. Serial No. 242,952. PUBLISHED MARCH 8, 1927.

227,814. COFFEE. HORACE M. B. MACK, doing business as Mack The Coffee Man, Lancaster, Pa.
Filed October 3, 1925. Serial No. 221,182. PUBLISHED MARCH 8, 1927.

227,815. ELECTRICAL FITTINGS COMPRISING CONDUIT FITTINGS AND PARTS THEREOF AND FITTINGS FOR ELECTRICAL APPARATUS SUPPORTS. ERIE MALLEABLE IRON COMPANY, Erie, Pa.
Filed November 2, 1925. Serial No. 222,667. PUBLISHED MARCH 8, 1927.

227,816. DISINFECTANT, DEODORANT, STERILIZER, AND GERMICIDE. WALTER T. OVERTON, doing business as Overton Chemical Company, Sumner, Iowa.
Filed November 20, 1925. Serial No. 223,598. PUBLISHED MARCH 8, 1927.

227,817. MOTOR-DRIVEN TRUCKS. YELLOW TRUCK & COACH MANUFACTURING COMPANY, Chicago, Ill.
Filed December 14, 1925. Serial No. 224,686. PUBLISHED MARCH 8, 1927.

227,818. SILVERWARE—NAMELY, HOLLOW WARE AND FLATWARE. WEIDLICH STERLING SPOON CO., Bridgeport, Conn.
Filed December 16, 1925. Serial No. 224,792. PUBLISHED MARCH 1, 1927.

227,819. DAIRY PRODUCTS—NAMELY, ICE CREAM, ICES, SHERBERTS, FRESH MILK, CREAM, BUTTERMILK, CULTURED MILK, AND CHEESE. GRAPEMAN-MCINTOSH ICE CREAM COMPANY, St. Louis, Mo.
Filed December 31, 1925. Serial No. 225,356. PUBLISHED MARCH 8, 1927.

227,820. ELECTRIC CONTROLLING DEVICES, PARTICULARLY REACTORS, APPLIED IN RADIOCIRCUITS. PILOT ELECTRIC MANUFACTURING CO., INC., Brooklyn, N. Y.
Filed December 22, 1925. Serial No. 225,033. PUBLISHED MARCH 1, 1927.

227,821. RADIO APPARATUS AND ACCESSORIES CONSISTING OF RECEIVING SETS, VACUUM AND ELECTRON TUBES, BATTERIES, BATTERY ELIMINATORS, LOUD SPEAKERS, SWITCHES, AND BATTERY CHARGERS. THE GLENN L. MARTIN COMPANY, Cleveland, Ohio.
Filed January 2, 1926. Serial No. 225,435. PUBLISHED MARCH 8, 1927.

227,822. BATTERY ELIMINATORS FOR RADIO APPARATUS. THE GLENN L. MARTIN COMPANY, Cleveland, Ohio.
Filed January 2, 1926. Serial No. 225,436. PUBLISHED MARCH 8, 1927.

227,823. LEAD, SOLDER, AND BABBITT, AND METALS AND METAL ALLOYS IN INGOTS, BARS, PIGS, FORGINGS, AND CASTINGS IN THE ROUGH. AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif.
Filed January 6, 1926. Serial No. 225,541. PUBLISHED MARCH 8, 1927.

227,824. MUSICAL INSTRUMENTS—NAMELY, BANJOS, TENOR BANJOS, BANJO MANDOLINS, PLECTRUM BANJOS, BANJO UKULELES, GUITAR BANJOS, UKULELES, TIPLES, TARO PATCHES, (THE LAST TWO INSTRUMENTS RESEMBLING UKULELES), AND STRINGS FOR BANJOS AND SIMILAR MUSICAL INSTRUMENTS. LYON & HEALY, INC., Chicago, Ill.
Filed January 7, 1926. Serial No. 225,616. PUBLISHED MARCH 1, 1927.

227,825. RUBBER FLOORING. THE SYRA-BORD RUBBER FLOORING CORPORATION, Syracuse, N. Y.
Filed January 7, 1926. Serial No. 225,624. PUBLISHED MARCH 16, 1926.

227,826. SELF-RISING FLOUR. DUNDAS BROS. CO., INC., Philadelphia, Pa.
Filed January 13, 1926. Serial No. 225,874. PUBLISHED MARCH 8, 1927.

227,827. LIVE POULTRY. LANCASTER FARMS HATCHERY, Lancaster, Ohio.
Filed January 13, 1926. Serial No. 225,885. PUBLISHED MARCH 8, 1927.

227,828. HAIR RESTORER. G. AND M. CHEMICAL CO., Tulsa, Okla.
Filed January 14, 1926. Serial No. 225,918. PUBLISHED MARCH 8, 1927.

227,829. CHEMICAL PRODUCTS—NAMELY, ACETONE, METHYL ALCOHOL, DENATURED ALCOHOL, AND MIXTURES THEREOF. WILLIAM S. GRAY & CO., New York, N. Y.
Filed November 15, 1926. Serial No. 240,076. PUBLISHED MARCH 8, 1927.

227,830. ELECTRIC SIGNAL BOARDS, ELECTRIC BELLS, AND FLOATS AS USED IN TANKS TO ACTUATE ELECTRIC SWITCHES. TOLLNER ELECTRIC CO. INC., Brooklyn, N. Y.
Filed November 13, 1926. Serial No. 240,044. PUBLISHED MARCH 1, 1927.

227,831. WHEAT FLOUR. THE LARABEE FLOUR MILLS COMPANY, doing business as The Monarch Milling Company, Kansas City, Mo.
Filed November 13, 1926. Serial No. 240,031. PUBLISHED MARCH 8, 1927.

227,832. MUSTARD. THE R. T. FRENCH COMPANY, Rochester, N. Y.
Filed November 12, 1926. Serial No. 239,978. PUBLISHED MARCH 1, 1927.

227,833. MUSTARD, SPICES, COOKING HERBS, AND FOOD-FLAVORING EXTRACTS. THE R. T. FRENCH COMPANY, Rochester, N. Y.
Filed November 12, 1926. Serial No. 239,977. PUBLISHED MARCH 8, 1927.

227,834. ALIMENTARY PASTE PRODUCTS, AND MORE PARTICULARLY FOR MACARONI, SPAGHETTI, VERMICELLI, NOODLES, AND EGG NOODLES, THE LATTER TWO BOTH DRY AND WET AND PREPARED FOR IMMEDIATE USE. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 30, 1926. Serial No. 239,494. PUBLISHED MARCH 1, 1927.

227,835. MUSICAL INSTRUMENTS OF THE ZITHER TYPE. INTERNATIONAL MUSICAL CORPORATION, Jersey City and Hoboken, N. J.
Filed October 28, 1926. Serial No. 239,369. PUBLISHED MARCH 8, 1927.

227,836. GRAY IRON, MALLEABLE IRON, AND BRASS PLUMBING SUPPLIES—NAMELY, T's, ELBOWS, BUSHINGS, FLANGES, UNIONS, AND PLUGS. THOMAS DEVLIN MANUFACTURING COMPANY, Philadelphia, Pa.
Filed October 27, 1926. Serial No. 239,334. PUBLISHED MARCH 8, 1927.

227,837. BUILT-IN CHEMICAL TOILETS. WESTERN METAL SPECIALTY CO., Milwaukee, Wis.
Filed October 25, 1926. Serial No. 239,209. PUBLISHED MARCH 8, 1927.

227,838. WATCHCASES AND WATCHES. S. BRUNER INC., New York, N. Y.
Filed October 23, 1926. Serial No. 239,086. PUBLISHED MARCH 1, 1927.

227,839. WATCHCASES AND WATCHES. S. BRUNER INC., New York, N. Y.
Filed October 23, 1926. Serial No. 239,085. PUBLISHED MARCH 1, 1927.

227,840. WATCHCASES AND WATCHES. S. BRUNER INC., New York, N. Y.
Filed October 23, 1926. Serial No. 239,083. PUBLISHED MARCH 1, 1927.

227,841. LINOLEUM. SOCIETÀ ANONIMA DEL LINOLEUM DI GIUBIASCO (SVIZZERA), Giubiasco, Switzerland.
Filed October 21, 1926. Serial No. 239,002. PUBLISHED MARCH 8, 1927.

227,842. WASHING MACHINES. THE MEADOWS MANUFACTURING CO., Bloomington, Ill.
Filed October 18, 1926. Serial No. 238,797. PUBLISHED MARCH 8, 1927.

227,843. RADIO RECEIVING SETS. HERBERT P. TRAMBLEY, San Francisco, Calif.
Filed October 12, 1926. Serial No. 238,536. PUBLISHED MARCH 1, 1927.

227,844. COLD-WATER PASTE FOR WALL PAPER. BROOKMAN MANUFACTURING CO., Chicago, Ill.
Filed October 11, 1926. Serial No. 238,427. PUBLISHED MARCH 8, 1927.

227,845. SACK TWINE. JOHN H. DAVIS COMPANY, San Francisco, Calif.
Filed October 4, 1926. Serial No. 238,106. PUBLISHED MARCH 8, 1927.

227,846. MEDICINAL PRODUCT IN SOLID FORM TO BE USED EXTERNALLY AS A TREATMENT FOR SYPHILIS. STAMATIS STAMATAKIS, Campbell, Ohio.
Filed September 24, 1926. Serial No. 237,706. PUBLISHED MARCH 8, 1927.

227,847. CAMERAS AND PARTS THEREFOR, ESPECIALLY OBJECTIVES. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Berlin, Germany.
Filed September 21, 1926. Serial No. 237,498. PUBLISHED MARCH 8, 1927.

227,848. VINEGAR. WALTER MARTI, doing business as Walters Manufacturing Company, Montreal, Quebec, Canada.
Filed September 18, 1926. Serial No. 237,430. PUBLISHED MARCH 1, 1927.

227,849. WAFFLE IRONS, NOT ELECTRICAL. WRIGHTSVILLE HARDWARE COMPANY, Wrightsville, Pa.
Filed December 23, 1926. Serial No. 241,917. PUBLISHED MARCH 8, 1927.

227,850. ROWBOATS AND MOTOR BOATS. JOHNSON MOTOR CO., South Bend, Ind.
Filed December 23, 1926. Serial No. 241,886. PUBLISHED MARCH 8, 1927.

227,851. RESISTANCE WIRE, RIBBON, STRIPS, AND RODS. DRIVER-HARRIS COMPANY, Harrison, N. J.
Filed December 23, 1926. Serial No. 241,876. PUBLISHED MARCH 1, 1927.

227,852. IRONING CUSHION PADS. THERMWOOL PRODUCTS CO. INC., New York, N. Y.
Filed December 22, 1926. Serial No. 241,847. PUBLISHED MARCH 8, 1927.

227,853. RUBBER CEMENT. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed December 22, 1926. Serial No. 241,816. PUBLISHED MARCH 1, 1927.

227,854. WATCHES. S. WEISSMAN COMPANY, INC., New York, N. Y.
Filed December 21, 1926. Serial No. 241,800. PUBLISHED MARCH 1, 1927.

227,855. CONDENSERS TO BE CONNECTED WITH THE RADIATORS OF INTERNAL-COMBUSTION ENGINES. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill.
Filed January 18, 1926. Serial No. 226,037. PUBLISHED MARCH 8, 1927.

227,856. EDUCATIONAL CHART IN THE FORM OF PHONOGRAPHIC RECORDS. ALEX. E. AMBALOV, Seattle, Wash.
Filed January 20, 1926. Serial No. 226,120. PUBLISHED MARCH 1, 1927.

227,857. ELECTRICAL INDICATING APPARATUS FOR NAVIGATIONAL PURPOSES, INCLUDING GYROSCOPIC COMPASSES, REPEATER COMPASSES, AND THE TRANSMITTERS THEREFOR; SHIPS' LOG INDICATORS AND TRANSMITTERS, REVOLUTION INDICATORS AND TRANSMITTERS, HELM-ANGLE INDICATORS AND TRANSMITTERS, RUDDER INDICATORS AND TRANSMITTERS, AND COURSE RECORDERS. THE SPERRY GYROSCOPE COMPANY, Brooklyn, N. Y.
Filed January 23, 1926. Serial No. 226,309. PUBLISHED MARCH 8, 1927.

227,858. MUSICAL INSTRUMENTS AND SUPPLIES, CONSISTING OF PLAYER-PIANO ROLLS, PHONOGRAPH RECORDS; BOWED AND FRETTED STRINGED, BRASS, WOOD-WIND, AND PERCUSSION MUSICAL INSTRUMENTS; PORTABLE PHONOGRAPHS, STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS, UKULELES, PHONOGRAPH NEEDLES, PHONOGRAPH-RECORD REPEATERS. MAY WATERSON, doing business as Universal Novelty Distributors, New York, N. Y.
Filed January 20, 1926. Serial No. 226,758. PUBLISHED MARCH 1, 1927.

227,859. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed February 16, 1926. Serial No. 227,339. PUBLISHED MAY 4, 1926.

227,860. SOAP. KENOVA ICE & COLD STORAGE CO., Kenova, W. Va.
Filed January 12, 1927. Serial No. 242,727. PUBLISHED MARCH 8, 1927.

227,861. CLEANER FOR SILVERWARE, FORKS, KNIVES, AND SPOONS; FOR POTS, CASSEROLES, CHAFFING DISHES; FOR SILVER PLATES AND COVERS; FOR SUGAR BOWLS, GLASS, SILVER, OR CROCKERY; FOR GLASS WINDOW PANES AND MIRRORS; FOR MARBLES, MARBLE COUNTER AND TABLE TOPS, TILES, AND TUBS; FOR WEARING APPAREL; AND FOR THE HANDS. STEPHEN SPYRON, Hot Springs National Park, Ark.
Filed January 12, 1927. Serial No. 242,759. PUBLISHED MARCH 8, 1927.

227,862. WRITING AND PRINTING PAPER. STRATHMORE PAPER COMPANY, Mittineague, Mass.
Filed January 12, 1927. Serial No. 242,760. PUBLISHED MARCH 8, 1927.

227,863. TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed January 12, 1927. Serial No. 242,762. PUBLISHED MARCH 8, 1927.

227,864. CANDIES. BLUE HILL CANDY CO., St. Louis, Mo.
Filed January 13, 1927. Serial No. 242,773. PUBLISHED MARCH 8, 1927.

227,865. PORTFOLIOS. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass.
Filed January 13, 1927. Serial No. 242,802. PUBLISHED MARCH 8, 1927.

227,866. CANNED FOOD PRODUCT—NAMELY, ROAST LONG ISLAND DUCK, CREAM-OF-CELERY SOUP, CHOP-SUEY VEGETABLES, AND DUCK SOUP. COLLEGE INN FOOD PRODUCTS CO., Chicago, Ill.
Filed January 14, 1927. Serial No. 242,820. PUBLISHED MARCH 8, 1927.

227,867. SANITARY NAPKINS. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa.
Filed January 14, 1927. Serial No. 242,823. PUBLISHED MARCH 8, 1927.

227,868. MONTHLY MAGAZINE. ALBERT MACRAE, Chicago, Ill.; Los Angeles, Calif.; and New York, N. Y.
Filed January 14, 1927. Serial No. 243,587. PUBLISHED MARCH 8, 1927.

227,869. CARTOON STRIPS. METROPOLITAN NEWSPAPER SERVICE, New York, N. Y.
Filed January 29, 1927. Serial No. 243,555. PUBLISHED MARCH 8, 1927.

227,870. ANNUAL PUBLICATION. THE CIVIC PRESS, New York, N. Y.
Filed January 31, 1927. Serial No. 243,587. PUBLISHED MARCH 8, 1927.

227,871. DAILY NEWSPAPER. THE TIMES PUBLISHING COMPANY, INC., St. Cloud, Minn.
Filed January 31, 1927. Serial No. 243,629. PUBLISHED MARCH 8, 1927.

227,872. LIQUID PAINT AND ENAMEL. WADSWORTH HOWLAND & CO., INCORPORATED, Boston, Mass.
Filed January 17, 1927. Serial No. 242,974. PUBLISHED MARCH 8, 1927.

227,873. MONTHLY PUBLICATION. AMERICAN PHOTO-ENGRAVERS ASSOCIATION, Chicago, Ill.
Filed January 18, 1927. Serial No. 242,978. PUBLISHED MARCH 8, 1927.

227,874. ELECTROMAGNETIC BELTS FOR MEDICAL PURPOSES. J. L. EICHOLZ, doing business as Irogen Co., Los Angeles, Calif.
Filed January 18, 1927. Serial No. 242,987. PUBLISHED MARCH 8, 1927.

227,875. MAGAZINES ISSUED QUARTERLY. THE CONRAD COMPANY INC., New York, N. Y.
Filed January 19, 1927. Serial No. 243,035. PUBLISHED MARCH 8, 1927.

227,876. NONFREEZE SOLUTION FOR AUTOMOBILE RADIATORS. JOHN DECK, doing business as Washington Product Co., Cincinnati, Ohio.
Filed January 19, 1927. Serial No. 243,037. PUBLISHED MARCH 8, 1927.

227,877. MAGAZINE PUBLISHED MONTHLY. JOS. A. MORRIS & CO., New York, N. Y.
Filed January 20, 1927. Serial No. 243,103. PUBLISHED MARCH 8, 1927.

227,878. MONTHLY MAGAZINE. CHICAGO GOLFER PUBLISHING CO., Chicago, Ill.
Filed January 21, 1927. Serial No. 243,139. PUBLISHED MARCH 8, 1927.

227,879. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIP STICKS, DUSTING POWDER, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS, AND VEGETAL. HOUBIGANT, INC., New York, N. Y.
Filed January 21, 1927. Serial No. 243,158. PUBLISHED MARCH 8, 1927.

227,880. WRITING PAPER AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed January 21, 1927. Serial No. 243,180. PUBLISHED MARCH 8, 1927.

227,881. MAGAZINE SECTION. A. W. SHAW COMPANY, Chicago, Ill.
Filed January 22, 1927. Serial No. 243,233. PUBLISHED MARCH 8, 1927.

227,882. COUGH SIRUP. UNITED DRUG COMPANY, Boston, Mass.
Filed January 22, 1927. Serial No. 243,243. PUBLISHED MARCH 8, 1927.

227,883. MONTHLY MAGAZINE. WESTERN WHEELED SCRAPER CO., doing business as Earth Mover Publishing Co., Aurora, Ill.
Filed January 22, 1927. Serial No. 243,245. PUBLISHED MARCH 8, 1927.

227,884. MONTHLY MAGAZINE IN THE SPANISH LANGUAGE. WESTERN WHEELED SCRAPER CO., doing business as Earth Mover Publishing Co., Aurora, Ill.
Filed January 22, 1927. Serial No. 243,246. PUBLISHED MARCH 8, 1927.

227,885. INSTANT RELIEF AND HEALING LOTION FOR THE TREATMENT OF GALL SORES, BARBED-WIRE CUTS, CAR BRUISES, STIFF JOINTS, MANGE, THRUSH, CANKER, CRACKED HEEL, AND FISTULA IN LIVESTOCK. JAMES C. BLACKLEY, doing business as Sorine Chemical Co., Richmond, Va.
Filed January 24, 1927. Serial No. 243,252. PUBLISHED MARCH 8, 1927.

227,886. TEXTILE FABRICS—NAMELY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed January 24, 1927. Serial No. 243,278. PUBLISHED MARCH 8, 1927.

227,887. FRESH CITROUS FRUITS. CHARLES TREAT PAINE, Redlands, Calif.
Filed January 24, 1927. Serial No. 243,282. PUBLISHED MARCH 8, 1927.

227,888. FRESH GRAPES. I. L. PERRY, Dinuba, Calif.
Filed January 24, 1927. Serial No. 243,285. PUBLISHED MARCH 8, 1927.

227,889. WEEKLY PUBLICATION. UNITED AMERICAN PUBLISHING CO., INC., New York, N. Y.
Filed January 24, 1927. Serial No. 243,294. PUBLISHED MARCH 8, 1927.

227,890. SANITARY NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed January 25, 1927. Serial No. 243,319. PUBLISHED MARCH 8, 1927.

227,891. SANITARY NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed January 25, 1927. Serial No. 243,321. PUBLISHED MARCH 8, 1927.

227,892. COTTON AND LINEN GOODS IN THE PIECE AND IN SHORT LENGTHS. TUCAPAU MILLS, Tucapau, S. C.
Filed February 19, 1926. Serial No. 227,548. PUBLISHED MARCH 8, 1927.

227,893. MACHINES FOR ELECTRICALLY RECORDING SOUND ON METAL AND ELECTRICALLY REPRODUCING SUCH SOUND. RECORD-O-PHONE COMPANY, INC., doing business as the Record-O-Phone Sales Company, Washington, D. C.
Filed February 20, 1926. Serial No. 227,603. PUBLISHED MARCH 1, 1927.

227,894. PIANOS, AUTOMATIC PIANOS, ELECTRICAL AND REPRODUCING. A. WAGNER & LEVIEN SUCCESSORES, SOCIEDAD EN COMANDITA, Mexico City and Monterey, Mexico.
Filed March 8, 1926. Serial No. 228,340. PUBLISHED MARCH 8, 1927.

227,895. COAL. THE FRAKER COAL COMPANY, Denver Colo.
Filed March 10, 1926. Serial No. 228,421. PUBLISHED SEPTEMBER 28, 1926.

227,896. COFFEE, TEA, COCOA, SPICES, FOOD-FLAVORING, EXTRACTS, RICE, PEPPER SAUCE, TABLE SAUCE IN THE NATURE OF PEPPER SAUCE AND WORCESTERSHIRE SAUCE, WORCESTERSHIRE SAUCE, MUSTARD, CORNSTARCH, TAPIOCA, BIRDSEED, VINEGAR, PEANUT BUTTER, BARLEY, FARINA, AND SALAD DRESSING. FORBES BROS. TEA & SPICE CO., St. Louis, Mo.
Filed August 26, 1926. Serial No. 236,477. PUBLISHED MARCH 1, 1927.

227,897. RADIO RECEIVING SETS, LOUD SPEAKERS, RADIO STORAGE AND B BATTERY ELIMINATORS, STORAGE AND DRY BATTERIES, BATTERY CHARGERS, BATTERY SWITCHES, AND VACUUM TUBES. ROTH RADIO, INC., New York, N. Y.
Filed September 1, 1926. Serial No. 236,775. PUBLISHED MARCH 1, 1927.

227,898. METAL COUPLINGS, METAL PIPES, METAL TUBES, AND METAL CASINGS. NATIONAL TUBE COMPANY, Pittsburgh, Pa.
Filed September 2, 1926. Serial No. 236,811. PUBLISHED MARCH 8, 1927.

227,899. FRESH DECIDUOUS FRUIT. HAROLD L. FROST, doing business as Frost Farms, Littleton and Arlington, Mass.
Filed January 6, 1927. Serial No. 242,423. PUBLISHED MARCH 8, 1927.

227,900. SANITARY NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed January 25, 1927. Serial No. 243,320. PUBLISHED MARCH 8, 1927.

227,901. FLOOR DRESSING. SOUTHERN DISTRIBUTING CO., INC., Selma, Ala.
Filed January 25, 1927. Serial No. 243,326. PUBLISHED MARCH 8, 1927.

227,902. BATH, TOILET, AND SHAMPOO SOAP. HASKINS BROTHERS & COMPANY, Sioux City, Iowa, and Omaha, Nebr.
Filed January 26, 1927. Serial No. 243,361. PUBLISHED MARCH 8, 1927.

227,903. PICKLES. HIRSCH BROS. & CO. INC., Louisville, Ky.
Filed January 27, 1927. Serial No. 243,438. PUBLISHED MARCH 8, 1927.

227,904. DAILY NEWSPAPERS. THE NEW YORK TIMES COMPANY, New York, N. Y.
Filed January 27, 1927. Serial No. 243,450. PUBLISHED MARCH 8, 1927.

227,905. MONTHLY PERIODICALS. THE NEW YORK TIMES COMPANY, New York, N. Y.
Filed January 27, 1927. Serial No. 243,451. PUBLISHED MARCH 8, 1927.

227,906. WEEKLY PUBLICATIONS. THE NEW YORK TIMES COMPANY, New York, N. Y.
Filed January 27, 1927. Serial No. 243,452. PUBLISHED MARCH 8, 1927.

227,907. VEHICLE TIRES COMPOSED WHOLLY OR IN PART OF RUBBER. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed January 28, 1927. Serial No. 243,487. PUBLISHED MARCH 8, 1927.

227,908. CARTOON STRIPS. METROPOLITAN NEWSPAPER SERVICE, New York, N. Y.
Filed January 29, 1927. Serial No. 243,554. PUBLISHED MARCH 8, 1927.

227,909. MAGAZINE PUBLISHED MONTHLY. DELL PUBLISHING COMPANY, New York, N. Y.
Filed February 1, 1927. Serial No. 243,645. PUBLISHED MARCH 8, 1927.

227,910. ATOMIZERS, APPLICATORS, BREAST PUMPS, FINGER COTS, BALL-TOP DROPPERS, BRUSH DROPPERS, NASAL DOUCHE, EYE BATHS, EYE SHADES OR PATCHES, GLASS GOODS FOR SURGICAL PURPOSES, MANICURE TOOLS, INHALERS, SANITARY POUCHES, SUSPENSORIES AND ATHLETIC SUPPORTERS, SYRINGES, TEETHING RINGS, CLINICAL THERMOMETERS, TONGUE DEPRESSORS, AND WRISTBANDS FOR CURATIVE PURPOSES. S. H. WETMORE COMPANY, New York, N. Y. (Under 10-year proviso.)
Filed March 17, 1925. Serial No. 211,191. PUBLISHED MARCH 8, 1927.

227,911. COLLAPSIBLE CONTAINERS MADE OF CARDBOARD, STRAWBOARD, AND PAPER OR COMBINATIONS OF SAME FOR SHIPPING AND MAILING PURPOSES. INTERNATIONAL MAILING TUBE AND WRAPPER COMPANY, Brooklyn, N. Y.
Filed September 7, 1926. Serial No. 236,936. PUBLISHED JANUARY 25, 1927.

227,912. LIME. THE WOODVILLE LIME PRODUCTS COMPANY, Toledo, Ohio.
Filed September 7, 1926. Serial No. 236,975. PUBLISHED JANUARY 11, 1927.

227,913. PHONOGRAPHS AND PARTS THEREOF. AMERICAN AUTOMATIC PRODUCTS CORPORATION, Chicago, Ill.
Filed May 23, 1921. Serial No. 148,050. PUBLISHED MARCH 8, 1927.

227,914. FOOD PRODUCT—NAMELY, RUSK. HENRY DIEDERICH, Brooklyn and Valley Stream, N. Y.
Filed May 3, 1923. Serial No. 180,112. PUBLISHED SEPTEMBER 2, 1924.

227,915. PERFUMES AND TOILET WATERS. PARFUMERIE INTERNATIONALE CORDAY, Paris, France.
Filed March 26, 1924. Serial No. 194,466. PUBLISHED OCTOBER 6, 1925.

227,916. HEAVY COTTON DUCK OR CANVAS FOR HOSE, BELTING, PAULINS, AND THE LIKE. WEST POINT MANUFACTURING COMPANY, Langdale, Ala.
Filed May 26, 1924. Serial No. 197,645. PUBLISHED SEPTEMBER 29, 1925.

227,917. HAIRBRUSHES. RAY W. EYSTER, doing business as All in One Hair Brush Co., Chicago, Ill.
Filed October 16, 1924. Serial No. 203,941. PUBLISHED MARCH 8, 1927.

227,918. OLIVE OILS. COMPAÑIA GENERAL DE ACEITES DE OLIVA, S. A., Seville, Spain.
Filed October 21, 1924. Serial No. 204,220. PUBLISHED MARCH 8, 1927.

227,919. MATERIALS FOR PREVENTING FREEZING OF THE WATER IN AUTOMOBILE RADIATORS—NAMELY, ALCOHOL, ALCOHOL COMPOUNDS, AND FREEZEPROOF MIXTURES. HENRY C. THOMPSON, Springfield, Mass., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts.
Filed November 13, 1924. Serial No. 205,248. PUBLISHED JUNE 22, 1926.

227,920. AERIAL INSULATORS AND RADIOPANELS, AIR CIRCUIT BREAKERS, SWITCHES, COILS, AMPLIFIERS USED WITH RADIO APPARATUS AS LOUD SPEAKERS, AUDIOFREQUENCY TRANSFORMERS, SOCKETS FOR ELECTRIC WIRING AND RADIO VACUUM TUBES, AUTOMOBILE SPARK TIMERS, BATTERIES, BATTERY CHARGERS, ETC. HYR-AMP BATTERY CO., Denver, Colo.
Filed December 24, 1924. Serial No. 207,189. PUBLISHED MARCH 8, 1927.

227,921. SOAP. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed December 10, 1924. Serial No. 206,554. PUBLISHED MARCH 8, 1927.

227,922. COFFEE. HENRY NORMAN SAURAGE, doing business as Baton Rouge Coffee Mills, Baton Rouge, La.
Filed March 18, 1925. Serial No. 211,285. PUBLISHED MAY 19, 1925.

227,923. CANDY. GEORGE ZIEGLER COMPANY, Milwaukee, Wis.
Filed May 20, 1925. Serial No. 214,686. PUBLISHED FEBRUARY 15, 1927.

227,924. CLEANING PREPARATION BOTH IN LIQUID AND WET PASTE FORM FOR USE ON ALL KINDS OF SILK EXCEPT SOLID WHITE. WILLIAM W. DOOLITTLE, doing business as Royal Maize Co., Columbus, Ohio.
Filed June 19, 1925. Serial No. 216,027. PUBLISHED OCTOBER 6, 1925.

227,925. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. FRESH GRAPES. OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif.
Filed September 4, 1925. Serial No. 219,837. PUBLISHED APRIL 18, 1926.

227,926. WINES—NAMELY, APPETIZERS MADE FROM A WINE BASE. MARTINI & ROSSI, Turin, Italy.
Filed March 31, 1926. Serial No. 229,450. PUBLISHED MARCH 8, 1927.

227,927. LUBRICATING OILS. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed April 10, 1926. Serial No. 229,968. PUBLISHED MARCH 8, 1927.

227,928. SHAMPOO AND CORRECTIVE FOR DANDRUFF. EDWARD A. ZINK, doing business as The Co-Quin-Ol Company, New York, N. Y.
Filed April 10, 1926. Serial No. 229,996. PUBLISHED MARCH 8, 1927.

227,929. WOOD AND COAL STOVES AND HEATERS. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill.
Filed April 20, 1926. Serial No. 230,460. PUBLISHED AUGUST 31, 1926.

227,930. FRESH APPLES AND PEARS. SHEEHY AND CUMMING, Watsonville, Calif.
Filed Apr. 22, 1926. Serial No. 230,594. PUBLISHED MARCH 8, 1927.

227,931. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. LUCIEN C. KIMSEY, doing business as The Mello-Mix Co., Oklahoma City, Okla.
Filed April 26, 1926. Serial No. 230,742. PUBLISHED MARCH 8, 1927.

227,932. ELECTRON (VACUUM) TUBES. BEN. CHIRLS, doing business as Blue Bird Tube Co., New York, N. Y.
Filed April 29, 1926. Serial No. 230,872. PUBLISHED MARCH 1, 1927.

227,933. TAPIOCA, EGG ALBUMEN, AND EGG YOLK. STEIN, HALL & COMPANY INC., New York, N. Y.
Filed May 1, 1926. Serial No. 231,020. PUBLISHED MARCH 8, 1927.

227,934. CHEMICAL COMBINATION COMPRISING BENZOL, NAPHTHA, AND CASING-HEAD GAS WITH OTHER INGREDIENTS ADAPTED TO BE ADDED TO MOTOR FUEL. SUPER MOTOR FUEL & MFG. CO. INC., Denver, Colo.
Filed May 20, 1926. Serial No. 231,957. PUBLISHED FEBRUARY 22, 1927.

227,935. VIOLINS, VIOLAS, VIOLONCELLOS, AND VIOLIN BOWS. HENRY STADLMAIR CO., INC., New York, N. Y.
Filed May 26, 1926. Serial No. 232,294. PUBLISHED MARCH 8, 1927.

227,936. COCOA, PASTRIES, CHOCOLATE, AND CONFECTIONERY. "SAROTTI" AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany.
Filed June 5, 1926. Serial No. 232,795. PUBLISHED MARCH 1, 1927.

227,937. FLAVORING FOR ICE CREAM AND OTHER FOODS. HERSHEY CHOCOLATE COMPANY, Hershey, Pa.
Filed June 11, 1926. Serial No. 233,075. PUBLISHED MARCH 1, 1927.

227,938. SELF-RISING PANCAKE FLOUR, SELF-RISING BUCKWHEAT FLOUR, CAKE FLOUR, SELF-RISING BISCUIT FLOUR, SELF-RISING MUFFIN FLOUR, AND WAFFLE FLOUR. TECO FOODS, INC., Cortland, N. Y.
Filed July 8, 1926. Serial No. 233,243. PUBLISHED MARCH 8, 1927.

227,939. DOUGHNUTS AND DOUGHNUT MIXTURE. DAWN DONUT COMPANY OF JACKSON, Jackson, Mich.
Filed June 19, 1926. Serial No. 233,482. PUBLISHED MARCH 8, 1927.

227,940. PRODUCTS OF A PROCESS OF PRINTING OR LITHOGRAPHY—NAMELY, POSTERS, HANGERS, PRINTED CARDS, BOOKLETS, BOOK OR MAGAZINE INSERTS OR ILLUSTRATIONS. CHARLES SWARTZ, doing business as American Lithograph Company of California, Los Angeles, Calif.
Filed June 21, 1926. Serial No. 233,587. PUBLISHED MARCH 8, 1927.

227,941. STEEL STORAGE TANKS WHICH ARE USED FOR VARIOUS PURPOSES, SUCH AS GASOLINE FILLING STATIONS. THE BIRMINGHAM TANK COMPANY, Birmingham, Ala.
Filed July 8, 1926. Serial No. 234,290. PUBLISHED MARCH 8, 1927.

227,942. BATTERY PLATES AND IGNITION STORAGE BATTERIES. ARCO BATTERY & PLATE CO., Fort Wayne, Ind.
Filed July 19, 1926. Serial No. 234,688. PUBLISHED MARCH 1, 1927.

227,943. RADIO SETS AND PARTS THEREOF—NAMELY, THREE-CIRCUIT TUNERS, VARIABLE CONDENSERS, RADIO RECEIVING SETS, DIALS, RHEOSTATS, SOCKETS, AND COILS. JACOB P. LIEBERMAN, doing business as Excelsior Radio Co., Brooklyn, N. Y.
Filed July 19, 1926. Serial No. 234,714. PUBLISHED MARCH 8, 1927.

227,944. SPRINKLING SYSTEMS AND PARTS THEREOF FOR IRRIGATION OF LAWNS AND SHRUBBERY. ALBERT E. CHISHOLM, Pasadena, Calif.
Filed July 26, 1926. Serial No. 235,118. PUBLISHED MARCH 8, 1927.

227,945. TEA, COCOA, SPICES, FOOD-FLAVORING EXTRACTS, FOOD SAUCES IN THE NATURE OF PEPPER SAUCE AND WORCESTERSHIRE SAUCE, MUSTARD CORNSTARCH, TAPIOCA, BIRDSEED, VINEGAR, CANNED FRUITS, FRUIT SIRUPS FOR FOOD PURPOSES, BARLEY, AND FARINA. FORBES BROS. TEA & SPICE CO., St. Louis, Mo.
Filed August 26, 1926. Serial No. 236,475. PUBLISHED MARCH 1, 1927.

227,946. TIRE AND TUBE PATCHES AND TIRE AND TUBE REPAIR OUTFITS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed December 14, 1926. Serial No. 241,476. PUBLISHED MARCH 8, 1927.

227,947. GASOLINE SHOVELS, CRANES, AND DRAG LINES. SPEEDER MACHINERY CORPORATION, Fairfield, Iowa.
Filed December 14, 1926. Serial No. 241,501. PUBLISHED MARCH 8, 1927.

227,948. DOMESTIC OIL BURNERS. ELECTROL, INC. OF MISSOURI, St. Louis, Mo.
Filed December 15, 1926. Serial No. 241,522. PUBLISHED MARCH 8, 1927.

227,949. MEDICINAL SALVE. SCIENTIFIC PRODUCTS, INC., Chicago, Ill.
Filed December 16, 1926. Serial No. 241,585. PUBLISHED MARCH 8, 1927.

227,950. SILVER HOLLOW WARE. BERNARD RICE'S SONS, INC., New York, N. Y.
Filed December 18, 1926. Serial No. 241,677. PUBLISHED MARCH 1, 1927.

227,951. SILVER-PLATED KNIVES. ASSOCIATED SILVER COMPANY, Chicago, Ill.
Filed December 20, 1926. Serial No. 241,689. PUBLISHED MARCH 1, 1927.

227,952. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND GINGER ALE. CALEDONIA SPRINGS COMPANY, LIMITED, Montreal, Quebec, Canada.
Filed December 20, 1926. Serial No. 241,694. PUBLISHED MARCH 8, 1927.

227,953. RUBBER INNER TUBES FOR PNEUMATIC TIRES, TIRE PATCHES, TUBE PATCHES, TIRE-REPAIR KITS, SECTIONAL AIR BAGS FOR TIRE REPAIRING, TIRE FLAPS, RELINERS, AND VALVE PADS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed December 22, 1926. Serial No. 241,817. PUBLISHED MARCH 8, 1927.

227,954. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS — VIZ, GINGER ALE AND OTHER FLAVORS. GOLDMAN & FREIMAN BOTTLING CO., INC., Baltimore, Md.
Filed December 22, 1926. Serial No. 241,821. PUBLISHED MARCH 8, 1927.

227,955. MEDICINE CONSISTING OF AN OIL FOR EXTERNAL USE. ANCESTRAL MEDICINE CO., Osawatomie, Kans.
Filed December 23, 1926. Serial No. 241,855. PUBLISHED MARCH 8, 1927.

227,956. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed December 27, 1926. Serial No. 241,994. PUBLISHED MARCH 8, 1927.

227,957. BIRD CAGES. L. J. LEON MFG. COMPANY, Chicago, Ill.
Filed December 27, 1926. Serial No. 242,010. PUBLISHED MARCH 8, 1927.

227,958. TABLE SALT. LESLIE CALIFORNIA SALT CO., San Francisco, Calif.
Filed December 27, 1926. Serial No. 242,013. PUBLISHED MARCH 8, 1927.

227,959. MEDICAL PREPARATION FOR THE TREATMENT OF HYPERACIDITY, FERMENTATION, AND GAS FORMATION. INTERSTATE LABORATORIES, INC., Atlanta, Ga.
Filed December 30, 1926. Serial No. 242,196. PUBLISHED MARCH 8, 1927.

227,960. FOOT OINTMENT. ALBERT J. ROUGH, doing business as Tryco Company, Minneapolis, Minn.
Filed January 3, 1927. Serial No. 242,312. PUBLISHED MARCH 8, 1927.

227,961. SARSAPARILLA FOR MEDICINAL USE, CARBOLIC SALVE, ARNICA SALVE, PERFUMED TALCUM, CORN CURE, LINIMENT, LIVER AND STOMACH TEA, CHOCOLATE VERMIFUGE; PILLS FOR THE TREATMENT OF HEADACHE, DIZZINESS, BILIOUSNESS, TORPID LIVER; EYE WATER, EYE SALVE, WITCH-HAZEL SALVE, TOOTHACHE DROPS, CHILL AND FEVER SIRUP, AND COUGH CURE. PARK LABORATORY COMPANY, San Antonio, Tex.
Filed January 4, 1927. Serial No. 243,348. PUBLISHED MARCH 8, 1927.

227,962. SALVES AND CREAMS FOR THE TREATMENT OF THE HAIR AND SKIN. IVAN M. PROKOFIEFF, New York, N. Y.
Filed January 4, 1927. Serial No. 242,351. PUBLISHED MARCH 8, 1927.

227,963. VENDING MACHINES. SAMUEL A. LESCHIN, doing business as Bi-A-Pak Cigarette Vending Machine Co., Cleveland, Ohio.
Filed January 5, 1927. Serial No. 242,378. PUBLISHED MARCH 8, 1927.

227,964. CARPENTERS' PLANES, SAWS, AND BENCHES. UNITED HARDWARE & TOOL CORPORATION, New York, N. Y.
Filed January 5, 1927. Serial No. 242,399. PUBLISHED MARCH 8, 1927.

227,965. ADDING AND ACCOUNTING MACHINES. REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y.
Filed January 6, 1927. Serial No. 242,440. PUBLISHED MARCH 8, 1927.

227,966. PAPER DRESS PATTERNS. THE CONDÉ NAST PUBLICATIONS, INC., New York, N. Y., and Greenwich, Conn.
Filed Sept. 24, 1926. Serial No. 237,654. PUBLISHED MARCH 8, 1927.

227,967. DUSTING CLOTHS. BATTISTA BENONI, Padova, Italy.
Filed October 5, 1926. Serial No. 238,157. PUBLISHED MARCH 8, 1927.

227,968. WATCHCASES AND WATCHES. S. BRUNER INC., New York, N. Y.
Filed October 23, 1926. Serial No. 239,084. PUBLISHED MARCH 1, 1927.

227,969. OPTICAL INSTRUMENTS, LENSES, AND OPTICAL PRODUCTS — NAMELY, OPHTHALMIC LENSES, BIFOCAL LENSES, RIMS, MOUNTINGS, FRAMES, AND EYEGLASSES. LOUIS H. SCADRON, New York, N. Y.
Filed October 27, 1926. Serial No. 239,320. PUBLISHED MARCH 8, 1927.

227,970. LUBRICATING OILS. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed October 29, 1926. Serial No. 239,432. PUBLISHED MARCH 1, 1927.

227,971. TEXTILE MATTRESS COVERS. JORDAN MARSH COMPANY, Boston, Mass.
Filed November 4, 1926. Serial No. 239,661. PUBLISHED MARCH 8, 1927.

227,972. CIGARS. DAVID J. WEINREICH, doing business as Joseph Weinreich, Dayton, Ohio.
Filed November 11, 1926. Serial No. 239,954. PUBLISHED MARCH 8, 1927.

227,973. COLOGNE. A. P. BABCOCK COMPANY, New York, N. Y.
Filed November 18, 1926. Serial No. 240,288. PUBLISHED MARCH 8, 1927.

227,974. FACE POWDERS, FACE CREAMS, FACE PACKS, VANISHING CREAMS, COSMETIC LOTIONS, ROUGES, LIP STICKS, PERFUMES, TOILET WATERS, SCALP TONICS, SHAMPOOS, HAIR OILS, MOUTH WASHES, TOOTH PASTES, NAIL POLISHES, EYEBROW PENCILS, SACHETS, SMELLING SALTS, DENTIFRICES, DEODORIZING PREPARATIONS, TALCUM POWDERS, FOOT POWDERS, BATH SALTS, AND INCENSES. SPENCER PERFUME COMPANY, doing business as La Main, South Bend, Ind., and New York, N. Y.
Filed November 18, 1926. Serial No. 240,278. PUBLISHED MARCH 8, 1927.

227,975. COFFEE. EDWARD M. SWING, doing business as M. E. Swing Co., Washington, D. C.
Filed November 20, 1926. Serial No. 240,375. PUBLISHED MARCH 8, 1927.

227,976. NONALCOHOLIC FLAVORING EXTRACTS FOR CONFECTIONERY AND BAKERY USES. ANTONINO R. MARTINO, doing business as Italy Laboratories, New York, N. Y.
Filed November 18, 1926. Serial No. 240,273. PUBLISHED MARCH 8, 1927.

227,977. VACUUM TUBES AND VALVES. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed November 20, 1926. Serial No. 240,865. PUBLISHED MARCH 1, 1927.

227,978. VACUUM TUBES AND VALVES. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed November 20, 1926. Serial No. 240,866. PUBLISHED MARCH 1, 1927.

227,979. METAL HATRACKS. LITTLE BEAR SPECIALTIES COMPANY, Kansas City, Mo.
Filed November 22, 1926. Serial No. 240,422. PUBLISHED MARCH 8, 1927.

227,980. THEATER-LIGHTING EQUIPMENT AND APPARATUS. MAJOR EQUIPMENT COMPANY, INC., Chicago, Ill.
Filed November 22, 1926. Serial No. 240,423. PUBLISHED MARCH 1, 1927.

227,981. THEATER-LIGHTING EQUIPMENT, ETC. MAJOR EQUIPMENT COMPANY, INC., Chicago, Ill.
Filed November 22, 1926. Serial No. 240,424. PUBLISHED MARCH 1, 1927.

227,982. CANDY, PARTICULARLY A COFFEE CONFECTION. STONE CANDY COMPANY, San Francisco, Calif.
Filed November 22, 1926. Serial No. 240,454. PUBLISHED MARCH 8, 1927.

227,983. REFUSE RECEPTACLES HAVING LEVER-OPERATED MOVABLE COVERS. H. P. CHANDLER SONS CO., doing business as Chandlee Metal Products Co., Baltimore, Md.
Filed November 26, 1926. Serial No. 240,595. PUBLISHED MARCH 8, 1927.

227,984. AUTOMOBILES. REO MOTOR CAR COMPANY, Lansing, Mich.
Filed November 27, 1926. Serial No. 240,682. PUBLISHED MARCH 8, 1927.

227,985. ELECTRIC INSULATING COMPOUND. THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn.
Filed November 29, 1926. Serial No. 240,699. PUBLISHED MARCH 1, 1927.

227,986. WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, doing business as The Moses Bros. Mills, Kansas City, Mo., and Great Bend, Kans.
Filed November 29, 1926. Serial No. 240,721. PUBLISHED MARCH 8, 1927.

227,987. BICYCLES. SHELBY CYCLE COMPANY, Shelby, Ohio.
Filed November 29, 1926. Serial No. 240,738. PUBLISHED MARCH 8, 1927.

227,988. STAPLES FOR USE IN STAPLING TOGETHER SHEETS OF PAPER, FIBER, CARDBOARD, AND LIKE MATERIALS, AND FOR STAPLING BOARDS TOGETHER IN THE MANUFACTURE OF BOXES AND OTHER ARTICLES. MARKWELL MANUFACTURING CO., INC., New York, N. Y.
Filed December 2, 1926. Serial No. 240,870. PUBLISHED MARCH 8, 1927.

227,989. PIECE GOODS OF SILK, WOOL, AND HAIRS. BIANCHINI, FERIER, Lyon, France.
Filed December 6, 1926. Serial No. 241,028. PUBLISHED MARCH 8, 1927.

227,990. ARTICLES OF JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES, OF PRECIOUS OR NONPRECIOUS MATERIALS OR COMBINATIONS THEREOF. STOCKERT & CIE, Pforzheim, Germany.
Filed December 7, 1926. Serial No. 241,121. PUBLISHED MARCH 1, 1927.

227,991. ELECTRICALLY-OPERATED MIXING EQUIPMENT. MIXING EQUIPMENT CO., INC., New York, N. Y.
Filed December 8, 1926. Serial No. 241,173. PUBLISHED MARCH 8, 1927.

227,992. COMBINATION CLEANER, POLISH, AND PRESERVATIVE FOR AUTOMOBILES, FURNITURE, AND ARTICLES OF SIMILAR NATURE. J. F. RIFE, doing business as The Rife Laboratory, Fresno, Calif.
Filed December 8, 1926. Serial No. 241,183. PUBLISHED MARCH 8, 1927.

227,993. CURRENT CONVERTERS AND INTERRUPTERS, FOR SPARK PLUGS AND PARTS THEREOF. LEPEL IGNITION CORPORATION, New York, N. Y.
Filed December 10, 1926. Serial No. 241,289. PUBLISHED MARCH 1, 1927.

227,994. GASOLINE. BENZO-GAS MOTOR FUEL COMPANY, Kansas City, Mo.
Filed December 11, 1926. Serial No. 241,314. PUBLISHED MARCH 8, 1927.

227,995. WATCHES AND PARTS THEREOF. GEBRÜDER THIEL GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Ruhla, Thuringia, Germany.
Filed December 11, 1926. Serial No. 241,336. PUBLISHED MARCH 1, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

227,996. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass. Filed Mar. 17, 1927. Serial No. 245,882.

BOSCH

Particular description of goods.—Windshield Wipers of the Squeegee Type.
Claims use since Nov. 14, 1923.

227,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN PACKING CO., INC., Phoenix, Ariz. Filed Mar. 14, 1927. Serial No. 245,760.

Dog Chow

Particular description of goods.—A Food Preparation Composed of Meat, Milk, Cereals, and Vegetables for Dogs.
Claims use since Sept. 1, 1925.

227,998. (CLASS 39. CLOTHING.) CHARLES SAAD, doing business as Chas. Saad Dry Goods House, Wheeling, W. Va. Filed Mar. 7, 1927. Serial No. 245,375.

BIG WHEELING

Particular description of goods.—Overalls, Work Shirts, and Pants.
Claims use since Mar. 18, 1925.

227,999. (CLASS 39. CLOTHING.) THE ODEGARD COMPANY, Quakertown, Pa. Filed Mar. 11, 1927. Serial No. 245,577.

London Lounge

Particular description of goods.—Men's Coats.
Claims use since February, 1926.

228,000. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GRACETON COAL AND COKE COMPANY, Vintondale, Pa., and New York, N. Y. Filed Feb. 25, 1927. Serial No. 244,863.

GRACETON

Particular description of goods.—Coal and Coke.
Claims use since January, 1921.

228,001. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) COAL HILL MINING COMPANY, INC., Du Bois, Pa. Filed Feb. 25, 1927. Serial No. 244,853.

RINGGOLD

Particular description of goods.—Coal.
Claims use since April, 1924.

228,002. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Feb. 17, 1927. Serial No. 244,518.

STANDARD

Particular description of goods.—Asphalt and Asphalt-Brick Filler.
Claims use since Jan. 28, 1925.

228,003. (CLASS 39. CLOTHING.) GOODMAN & SUSS INC., Rochester, N. Y. Filed Feb. 7, 1927. Serial No. 243,941.

SUMRWATE

Particular description of goods.—Men's and Young Men's Suits.
Claims use since April, 1925.

228,004. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BUEGELEISEN & JACOBSON, New York, N. Y. Filed Feb. 11, 1927. Serial No. 244,213.

Abbott Professional

Particular description of goods.—Brass-Band and Wood-Wind Musical Instruments and Parts Thereof and Mouthpieces, Ligatures, and Reeds for Clarinets, Saxophones, Oboes, and Bassoons.
Claims use since Jan. 1, 1920.

228,005. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BUEGELEISEN & JACOBSON, New York, N. Y. Filed Feb. 11, 1927. Serial No. 244,214.

Alberi

Particular description of goods.—Violins, Cellos, Violin and Cello Bows, Double-Bass Bows, and Violin Rosin.
Claims use since 1908.

228,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEGO MILK PRODUCTS COMPANY, Salt Lake City, Utah. Filed Feb. 16, 1927. Serial No. 244,475.

CREAM'S ONLY RIVAL

Particular description of goods.—Evaporated Milk.
Claims use since December, 1917.

228,007. (CLASS 39. CLOTHING.) KEYS & LOCKWOOD, New York, N. Y. Filed Feb. 8, 1927. Serial No. 243,763.

Keysbloth

Particular description of goods.—Neckties and Scarfs.
Claims use since on or about Feb. 21, 1921.

228,008. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Jan. 31, 1927. Serial No. 243,594.

THE "New Yorker"

Particular description of goods.—All Kinds of Men's Suits and Overcoats.
Claims use since Nov. 1, 1924.

228,009. (CLASS 39. CLOTHING.) R. P. MCLOUGHLIN & COMPANY, New York, N. Y. Filed Jan. 20, 1927. Serial No. 243,100.

Greenville

Particular description of goods.—Woven and Knitted Underwear for Men, Women, and Children.
Claims use since Jan. 1, 1922.

228,010. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCGOVERN AND MCGOVERN, Seattle, Wash. Filed Dec. 13, 1926. Serial No. 241,424.

NORGE

Particular description of goods.—Canned Fish.
Claims use since Apr. 12, 1926.

228,011. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DU PONT VISCOLOID COMPANY, INCORPORATED), Leominster, Mass. Filed Dec. 6, 1926. Serial No. 241,040.

PEERLESS

Particular description of goods.—Nonmetallic Barrettes, Hairpins, and Combs.
Claims use since November, 1908.

228,012. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WESTINGHOUSE UNION BATTERY COMPANY, Swissvale, Pa. Filed Sept. 16, 1926. Serial No. 237,347.

AUTOPOWER

Particular description of goods.—Electric Device for Supplying Power Current to Radio Receiving Sets.
Claims use since Apr. 1, 1926.

228,013. (CLASS 39. CLOTHING.) GARFINKLE & RITTER, New York, N. Y. Filed Mar. 5, 1926. Serial No. 228,185.

BRYN MAWR SLIP

Particular description of goods.—Slips.
Claims use since Feb. 24, 1926.

228,014. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE-STOKES CO. INC., Chicago, Ill. Filed June 26, 1926. Serial No. 233,799.

KWIK-JEL

Particular description of goods.—A Soluble Powdered-Jelly Base for Certain Named Food Purposes.
Claims use since Mar 12, 1926.

228,015. (CLASS 39. CLOTHING.) THE M. D. SHANMAN COMPANY, Cleveland, Ohio. Filed Aug. 16, 1926. Serial No. 236,067.

WainWright

Particular description of goods.—Hosiery.
Claims use since Apr. 2, 1926.

228,016. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SCHIRMER BROS., Los Angeles, Calif. Filed June 9, 1926. Serial No. 232,952.

[redacted]ood

Particular description of goods.—Ukuleles, Banjo Ukuleles, Tenor Ukuleles, Hawaiian Steel Guitars, Regular Guitars, Spanish Guitars, Tenor Guitars, Mandolins, Banjo Mandolins, Banjos, Tenor Banjos, and Strings for These Instruments.
Claims use since Apr. 1, 1926.

228,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILA. HOME MADE BREAD CO., Philadelphia, Pa. Filed May 8, 1926. Serial No. 231,340.

JONES MALTED MILK CAKE

No claim is made to the exclusive use of the words "Jones Malted Milk Cake" apart from the mark shown.
Particular description of goods.—Cake.
Claims use since Jan. 20, 1926.

228,018. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WILLIAM BARCLAY, doing business as Barclay Brothers, Barre, Vt. Filed Sept. 22, 1925. Serial No. 220,592.



Particular description of goods.—Memorials, Monuments, Headstones, and Markers.
Claims use since Sept. 4, 1925.

228,019. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Feb. 20, 1926. Serial No. 227,576.

HOUSATONIC

Particular description of goods.—Blotting Paper.
Claims use since Jan. 1, 1900.

228,020. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Feb. 20, 1926. Serial No. 227,577.

ARLINGTON

Particular description of goods.—Blotting paper.
Claims use since Jan. 1, 1895.

228,021. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Feb. 20, 1926. Serial No. 227,574.

LENOX

Particular description of goods.—Blotting paper.
Claims use since Jan. 1, 1895.

228,022. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Feb. 20, 1926. Serial No. 227,573.

Berkshire

Particular description of goods.—Enamel Blotting Paper.
Claims use since Jan. 1, 1900.

228,023. (CLASS 39. CLOTHING.) WELLAUER-NOLL SHOE MFG. CO., Milwaukee, Wis. Filed Mar. 2, 1926. Serial No. 228,016.

LASSIES

Particular description of goods—Girls' Shoes Made Partially or Wholly of Leather.
Claims use since Feb. 11, 1926.

TRADE-MARK REGISTRATIONS RENEWED

57,415. METAL SHEETS COVERED WITH ASBESTOS AND USED FOR ROOFING. Registered November 13, 1906. THE PROTECTED METAL COMPANY, Canton, Mass. Renewed November 13, 1926, to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

57,472. METAL SHEETS COVERED WITH ASBESTOS AND USED FOR ROOFING. Registered November 13, 1906. THE PROTECTED METAL COMPANY, Canton, Mass. Renewed November 13, 1926, to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

58,235. WATER GAUGE GLASSES. Registered December 11, 1906. S & C BISHOP & CO. Renewed December 11, 1926, to S. & C. Bishop & Co., Ltd., St. Helens, England, a Joint Stock Company of Great Britain, successor.

59,453. METAL SHEETS COVERED WITH ASBESTOS. Registered January 8, 1907. THE PROTECTED METAL COMPANY, Canton, Mass. Renewed January 8, 1927, to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

59,907. STERILIZED MILK AND CONDENSED MILK. Registered January 22, 1907. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham, Switzerland. Renewed January 22, 1927, to Nestle's Food Company, Inc., New York, N. Y., a Corporation of New York, assignee.

60,270. PAINTS, VARNISHES, AND ANTICORROSIVE PAINTS. Registered February 5, 1907. THE COPAL VARNISH CO., LTD., London, England. Renewed February 5, 1927, to Berrite Limited, Hayes, England, a Joint Stock Company of Great Britain, assignee.

60,486. CONDENSED MILK, BUTTER, AND CHEESE. Registered February 12, 1907. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham, Switzerland. Renewed February 12, 1927, to Nestle's Food Company, Inc., New York, N. Y., a Corporation of New York, assignee.

60,931. WRITING, PRINTING, AND LEDGER PAPER. Registered February 26, 1907. WIGGINS TEAPE & CO. LIMITED. Renewed February 26, 1927, to Wiggins, Teape & Co. (1919) Limited, London, England, a Limited Liability Company of Great Britain, assignee.

61,062. ENAMEL PAINT. Registered March 5, 1907. LE RIPOLIN (SOCIÉTÉ ANONYME FRANCAISE DE PEINTURES LAQUÉES ET D'ENDUITS SOUS-MARINS PROCÉDÉS LEFRANC & BRIDGLEB RÉUNIS), Paris, France, and Amsterdam, Netherlands, a Corporation of France. Renewed March 5, 1927.

61,164. RIVETS. Registered March 5, 1907. JUDSON L. THOMSON MFG. CO. Renewed March 5, 1927, to Judson L. Thomson Mfg. Co., Waltham, Mass., a Corporation of Massachusetts, successor.

61,694. CORN AND BUNION PLASTERS. Registered April 2, 1907. BAUER & BLACK, Chicago, Ill., a Corporation of Illinois. Renewed April 2, 1927.

61,806. OILS AND GREASES FOR GAS ENGINES AND AUTOMOBILES. Registered April 9, 1907. HAVEMEYER OIL COMPANY, New York, N. Y. Renewed April 9, 1927, to Indian Refining Company, Lawrenceville, Ill., a Corporation of Maine, assignee by mesne assignments.

61,937. CORN AND BUNION PLASTERS. Registered April 9, 1907. BAUER & BLACK, Chicago, Ill., a Corporation of Illinois. Renewed April 9, 1927.

61,961. CERTAIN MEDICINAL PREPARATIONS. Registered April 9, 1907. EDWIN D. SUTTON, Millville, N. J. Renewed April 9, 1927.

62,123. SALT. Registered April 16, 1907. SCHWABACHER BROS. & CO. INCORPORATED, Seattle, Wash., a Corporation of the State of Washington. Renewed April 16, 1927.

62,214. CERTAIN MEDICINES. Registered April 23, 1907. WILLIAM R. WARNER & CO., Philadelphia, Pa. Renewed April 23, 1927, to William R. Warner & Co. Inc., New York, N. Y., a Corporation of Delaware, assignee.

62,407. A NONALCOHOLIC CARBONATED BEVERAGE. Registered May 7, 1907. PEPSOL CHEMICAL COMPANY. Renewed May 7, 1927, to Spurlock-Neal Co., Nashville, Tenn., a Corporation of Tennessee, assignee.

62,413. MANUFACTURED FURS MADE UP FOR WEARING APPAREL. Registered May 7, 1907. C. C. SHAYNE & CO. Renewed May 7, 1927, to Margaret A. Shayne, doing business as C. C. Shayne & Co., New York, N. Y.

62,687. ROOT BEER. Registered May 21, 1907. THE CHARLES E. HIRES COMPANY. Renewed May 21, 1927, to The Charles E. Hires Co., Philadelphia, Pa., a Corporation of Delaware, successor.

62,763. SOAP. Registered May 21, 1907. GEORGE AUGUST SCHMIDT. Renewed May 21, 1927, to Geo. A. Schmidt & Co., Chicago, Ill., assignee.

62,945. WHEAT FLOUR. Registered May 28, 1907. THE NEW ERA MILLING COMPANY, Arkansas City, Kans., a Corporation of Kansas. Renewed May 28, 1927.

63,062. WHISKY. Registered June 4, 1907. TANQUERAY GORDON & CO. LIMITED, London, England. Renewed June 4, 1927, to Tanqueray Gordon & Co. Limited, London, England, a Limited Liability Company of Great Britain, assignee by mesne assignments.

63,105. CANNED CORN. Registered June 4, 1907. PORTLAND PACKING CO., Portland, Me. Renewed June 4, 1927.

63,403. MAGAZINES. Registered June 18, 1907. JOHN WILLY, Chicago, Ill. Renewed June 18, 1927.

63,451. SARDINES. Registered June 18, 1907. ANGUS WATSON & CO., Newcastle-on-Tyne, England. Renewed June 18, 1927, to Angus Watson & Co. (America) Limited, San Francisco, Calif., a Corporation of California, assignee by mesne assignments.

63,505. CERTAIN TEXTILES. Registered June 25, 1907. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Renewed June 25, 1927, to Massachusetts Cotton Mills, Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

63,907. FURNACES. Registered July 16, 1907. THE GRAFF FURNACE CO., New York, N. Y. Renewed July 16, 1927, to Hero Furnace Company, Sycamore, Ill., a Corporation of Illinois, assignee.

64,181. CERTAIN HAND TOOLS. Registered July 30, 1907. A. W. WILLS & SON. Renewed July 30, 1927, to A. W. Wills & Son, Limited, Birmingham, England, a Limited Liability Company of Great Britain, assignee.

64,240. CERTAIN SOLID AND PLATED PRECIOUS METAL WARE. Registered July 30, 1907. JAMES DIXON & SONS. Renewed July 30, 1927, to James Dixon & Sons, Limited, Sheffield, England, a Corporation of Great Britain, successor.

64,355. GUNPOWDER. Registered August 6, 1907. E. I. DU PONT COMPANY. Renewed August 6, 1927, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

64,356. CERTAIN GUNPOWDERS. Registered August 6, 1907. E. I. DU PONT COMPANY. Renewed August 6, 1927, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

64,359. GUNPOWDER. Registered August 6, 1907. THE HAZARD POWDER COMPANY, Hazardville, Conn. Renewed August 6, 1927, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

64,360. GUNPOWDER. Registered August 6, 1907. THE HAZARD POWDER COMPANY, Hazardville, Conn. Renewed August 6, 1927, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

64,385. CANNED PEACHES, CANNED TOMATOES, AND FLAVORING EXTRACTS. Registered August 6, 1907. HAAS-LIEBER GROCERY CO., St. Louis, Mo., a Corporation of Missouri. Renewed August 6, 1927.

64,461. BAKING POWDER. Registered August 6, 1907. HAAS-LIEBER GROCERY CO., St. Louis, Mo., a Corporation of Missouri. Renewed August 6, 1927.

64,606. ELECTRIC BLASTING MACHINES AND ELECTRICAL INSULATING WIRE. Registered August 13, 1907. THE EASTERN DYNAMITE COMPANY, Kenvil, N. J. Renewed August 13, 1927, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

64,945. WOMEN'S LEATHER SHOES. Registered August 27, 1907. RICE AND HUTCHINS, INC., Boston, Mass., a Corporation of Maine. Renewed August 27, 1927.

65,016. FILLED CHAINS OF ALL KINDS. Registered September 3, 1907. SIDNEY O. BIGNEY, Renewed September 3, 1927, to S. O. Bigney Company, Attleboro, Mass., a Corporation of Massachusetts, assignee.

65,051. CANNED FRUITS AND VEGETABLES. Registered September 3, 1907. H. F. HEMINGWAY & CO., Baltimore, Md., a Corporation of New York. Renewed September 3, 1927.

65,096. CERTAIN CLOTHING. Registered September 10, 1907. GUITERMAN BROS. Renewed September 10, 1927, to Guiterman Bros. Inc., St. Paul, Minn., a Corporation of Delaware, successor.

65,141. BREAD AND BISCUIT. Registered September 10, 1907. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed September 10, 1927, to National Biscuit Company, New York, N. Y., a Corporation of New Jersey.

65,375. EGGS. Registered September 24, 1907. AUGUST L. JABNICKE. Renewed September 24, 1927, to Kansas Egg & Poultry Co., Hillsboro, Kans., assignee.

65,397. A DIGESTIVE PREPARATION OF THE GASTRIC JUICE. Registered September 24, 1907. FAIRCHILD BROS. & FOSTER, New York, N. Y., a Corporation of New York. Renewed September 24, 1927.

LABELS

REGISTERED MAY 17, 1927.

32,091.—*Title:* THE HEN THAT LAID THE GOLDEN EGGS. For Eggs. AMERICAN BUTTER COMPANY, Kansas City, Mo. Published March 14, 1927.

32,092.—*Title:* PRUDENCE. For Tracing Cloth. ARKWRIGHT FINISHING COMPANY, Providence, R. I. Published February 18, 1927.

32,093.—*Title:* COLUMBIA FILLETS. For Sea Foods. BAKER, BOIES & WATSON COMPANY, Boston, Mass. Published February 14, 1927.

32,094.—*Title:* HEALTH BRAND. For Fresh Rhubarb. JOSEPH BECKER CO., Detroit, Mich. Published December 27, 1926.

32,095.—*Title:* TAKE A TAXI. For A Candy Bar. CALIFORNIA ROSE CANDY CO., Los Angeles, Calif. Published March 15, 1927.

32,096.—*Title:* BALANCED. For Scratch Grains. FARMERS SYNDICATE INC., Cortland, N. Y. Published February 20, 1927.

32,097.—*Title:* ROSE BRAND. For Butter. GALVA CREAMERY CO., Galva, Ill. Published February 25, 1927.

32,098.—*Title:* MANHATTAN'S BEST MALT SYRUP. For Malt Sirup. G-G PRODUCTS COMPANY, New York, N. Y. Published March 12, 1927.

32,099.—*Title:* CANTON. For Spool Silk. GUDEBROD BROS. SILK CO., Philadelphia, Pa. Published March 31, 1927.

32,100.—*Title:* BIG 4. For White Laundry Soap Flakes. IOWA SOAP COMPANY, Burlington, Iowa. Published March 24, 1927.

32,101.—*Title:* CANARY CAGE LINERS. For Sheets of Waxed Paper. KALAMAZOO WAX PAPER CO., Kalamazoo, Mich. Published April 1, 1927.

32,102.—*Title:* OLD HOME. For Bread. THE W. E. LONG CO., Chicago, Ill. Published March 17, 1927.

32,103.—*Title:* COLONIAL. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Frank O. Knerr Dairy Co., Inc., Fargo, N. Dak. Published March 1, 1927.

32,104.—*Title:* GREEN VALLEY. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Polson Creamery Company, Polson, Mont. Published March 1, 1927.

32,105.—*Title:* GRIDLEY ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, assignor to Gridley Dairy Co., Milwaukee, Wis. Published March 10, 1927.

32,106.—*Title:* MODERN LIBRARY. For Books, Being Placed Around the Books as a Jacket. THE MODERN LIBRARY, INC., New York, N. Y. Published March 25, 1927.

32,107.—*Title:* SUN SWEET. For Sweet Potatoes. PORTALES VALLEY SWEET POTATO GROWERS ASSOCIATION, Portales, N. Mex. Published February 17, 1927.

32,108.—*Title:* OSO-COMFY. For Furniture and Particularly Furniture of the Overstuffed Class. HERMAN ROBINSON, doing business as Robinson's Furniture Mfg. Co., Los Angeles, Calif. Published March 30, 1927.

32,109.—*Title:* LANAX. For Sanitary Napkins. ROCKHILL TEXTILE MANUFACTURING COMPANY, Kansas City, Mo. Published January 15, 1927.

32,110.—*Title:* SILVER KING SPARKLING MINERAL WATER. For Mineral Water. SILVER KING PRODUCTS CORPORATION, New York, N. Y. Published March 30, 1927.

32,111.—*Title:* INTERNATIONAL ROYAL TABLE WATER. For Mineral Water. SILVER KING PRODUCTS CORPORATION, New York, N. Y. Published April 7, 1927.

32,112.—*Title:* CAT CHOW. For A Food Preparation Composed of Meat, Milk, Cereals, and Vegetables for Cats. THE SOUTHWESTERN PACKING CO., INC., Phoenix, Ariz. Published February 23, 1927.

32,113.—*Title:* EVERGREEN BRAND. For Fresh Asparagus. THREE RIVERS GROWERS ASSOCIATION, Kennewick, Wash. Published April 1, 1927.

PRINTS

REGISTERED MAY 17, 1927.

9,834.—*Title:* BLAUNER'S PACIFIC SERGE 2 PANTS SUITS. For Men's Clothing. BLAUNER'S, Philadelphia, Pa. Published September 2, 1926.

9,835.—*Title:* FOR GASTRIC ULCER. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 1, 1927.

9,836.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. THE D & C CO., INC., Wilmington, Del., and Brooklyn, N. Y. Published March 27, 1927.

9,837.—*Title:* IN YOUR HEART YOU KNOW SLIDEWELL BOWS SELL BEST. For Bow Ties. FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Published September 1, 1926.

9,838.—*Title:* SALES INCREASING BY LEAPS AND BOUNDS. For Marmalade. ADOLPH GOLDMARK & SONS CORP., New York, N. Y. Published March 1, 1927.

9,839.—*Title:* I KNOW BEANS. For Oven-Baked Beans. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published April 1, 1927.

9,840.—*Title:* FAMOUS NUMBERS—HOW MANY DO YOU KNOW? For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published April 1, 1927.

9,841.—*Title:* YOUR PLUMBER GUARDS YOUR HEALTH AND HOME. For Water Softener. ROY J. HELD, Freeport, Ill. Published January 31, 1927.

9,842.—*Title:* HOW CLEAN MY MOUTH FEELS! For Dental Cream. THE KOLYNOS COMPANY, New Haven, Conn. Published March 15, 1927.

9,843.—*Title:* COMPARE THE WHITENESS OF WHITE HOUSES. For Paint. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Published April 1, 1927.

9,844.—*Title:* USE A WHITE PAINT THAT WILL KEEP ITS WHITENESS. For Paint. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Published April 2, 1927.

9,845.—*Title:* SUNRISE PILLOWS. For Pillows. NORTHERN FEATHER WORKS, INC., Newark, N. J. Published April 1, 1927.

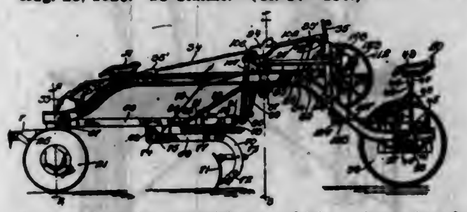
9,846.—*Title:* BIG GROCERY SELLER!—FLIT. For Insecticide. STANCO DISTRIBUTORS, INCORPORATED, Wilmington, Del. Published March 1, 1927.

9,847.—*Title:* PICK THE WINNER—MAKE FLIT SUCCESS YOUR SUCCESS. For Insecticide. STANCO DISTRIBUTORS, INCORPORATED, Wilmington, Del. Published February 1, 1927.

REISSUES

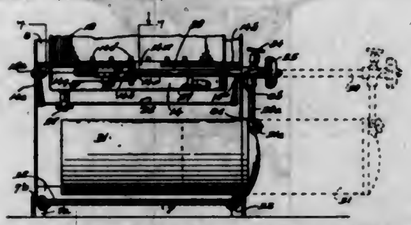
MAY 17, 1927.

16,624. GRADER. EDWARD C. GLEDHILL, Galion, Ohio. Filed Apr. 30, 1926. Serial No. 105,878. Original No. 1,528,325, dated Mar. 3, 1925, Serial No. 659,768, filed Aug. 28, 1923. 13 Claims. (Cl. 37—156.)



1. A road grader comprising a vehicle, a frame loosely connected at its front end to said vehicle, a blade carried by said frame, vertically adjustable members mounted on said vehicle, links connecting said members and the rear end of said frame and means for moving the rear end of said frame laterally of said vehicle and pivotally supporting said frame when laterally moved whereby opposite adjustment of said members is effective to present said blade laterally of said vehicle in an inclined position for use in grading a slope.

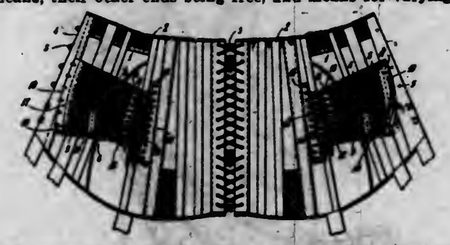
16,625. HEATING STOVE USING LIQUID VAPORIZING FUEL. HANS C. HANSON, Albert Lea, Minn., assignor to American Gas Machine Company, Albert Lea, Minn., a Corporation of Minnesota. Filed Apr. 9, 1927. Serial No. 182,522. Original No. 1,615,378, dated Jan. 25, 1927, Serial No. 22,586, filed Apr. 13, 1925. 7 Claims. (Cl. 126—92.)



1. A heating stove having in combination, a rigid frame comprising an upright casing, said casing being open at the bottom, a detachable fuel tank in said casing, a support for said tank on which it is longitudinally slidable, one end wall of said casing having an aperture therethrough, through which said tank passes when being detached from said stove, a vaporising tube connected to said tank and projecting through said end wall, a manifold supported in said casing above said tank comprising a mixing chamber, said vaporizing tube communicating with said mixing chamber, burners carried by said manifold, the upper portion of said casing in front of said burners being open.

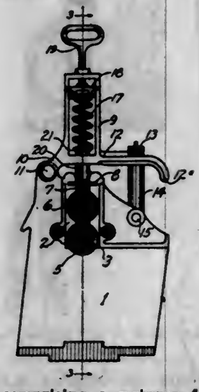
16,626. CORSET. MILLARD VON HALLS, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y., a Corporation of Massachusetts. Filed Sept. 1, 1925. Serial No. 53,954. Original No. 1,507,403, dated Sept. 2, 1924, Serial No. 703,054, filed Mar. 31, 1924. 8 Claims. (Cl. 2—27.)

5. An article of manufacture to be placed around the body of the wearer consisting of: carrying means, and cup-shape abdominal lifting and supporting means adjustably attached to the carrying means including: two connected members, one member on each side of the longitudinal center of said lifting and supporting means and each member consisting of a plurality of bands of resilient material fastened together in overlapped angular relation with respect to each other at their ends nearest the longitudinal center of the lifting and supporting means, their other ends being free, and means for varying,



with respect to each other, the angular relation and extent of overlapping of the bands of each member to thereby vary at will the curvature or the pull or pressure of the cup-shape lifting and supporting means.

16,627. WRINGER. WILLIAM GEORGE BEATTY, Fergus, Ontario, Canada, assignor to Haag Brothers Company, a Copartnership composed of George A. Haag and Albert R. Haag, East Peoria, Ill. Filed Apr. 3, 1925. Serial No. 20,573. Original No. 1,456,529, dated May 29, 1923, Serial No. 527,025, filed Jan. 4, 1922. 8 Claims. (Cl. 68—32.)



6. A wringer comprising a wringer frame, a pair of rollers mounted therein, a second frame hinged to said wringer frame, pressure-applying means carried by said second frame and engaging one of said rollers, a cam member carried by said second frame, and a member pivoted to said wringer frame and releasably engaging said cam member to hold said second frame in operative position.

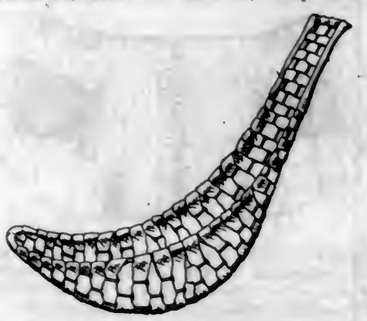
7. A wringer comprising a wringer frame, a pair of rollers mounted therein, a second frame hinged to said wringer frame, pressure-applying means carried by said second frame and normally engaging one of said rollers, a cam member carried by said second frame, and a member pivoted to said wringer frame and adapted to frictionally engage said cam member to hold said second frame in operative position, said pivoted member being releasable from said cam member by outward movement thereof.

8. A wringer comprising a wringer frame, a pair of rollers mounted therein, movable bearings for one of said rollers, a second frame hinged to said wringer frame, a pair of pins yieldingly mounted in said second frame and engaging said bearings, and quick-release means including a cam member fixed to said second frame and a member pivoted to said wringer frame and frictionally engaging said cam member.

DESIGNS

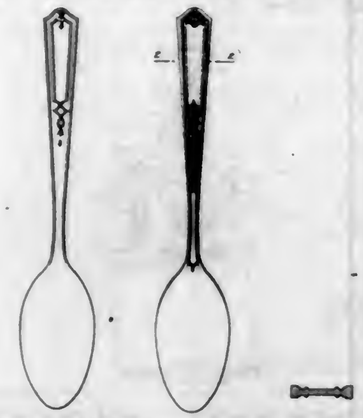
MAY 17, 1927.

72,656. HI-LI BASKET. DAVID I. ABRAHAMS, Muncie, Ind. Filed Sept. 20, 1926. Serial No. 19,124. Term of patent 7 years.



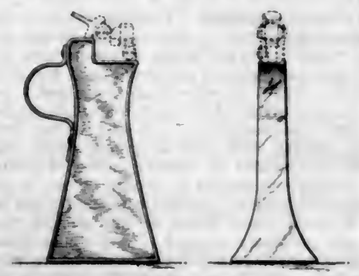
The ornamental design for a Hi-Li basket as shown.

72,657. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y. Filed June 9, 1926. Serial No. 17,990. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

72,658. CASING FOR CIGARETTE LIGHTERS. LOUIS V. ARONSON, Newark, N. J. Filed Feb. 2, 1927. Serial No. 20,577. Term of patent 3½ years.



The ornamental design for a casing for cigarette lighters, as shown.

72,659. TABLE. OSCAR B. BACH, New York, N. Y. Filed Jan. 12, 1927. Serial No. 20,342. Term of patent 3½ years.



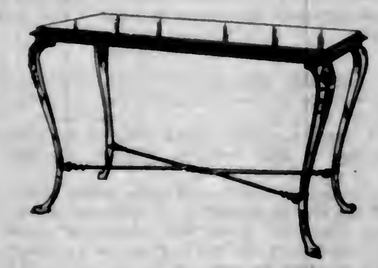
The ornamental design for a table, as shown.

72,660. TABLE. OSCAR B. BACH, New York, N. Y. Filed Jan. 12, 1927. Serial No. 20,343. Term of patent 3½ years.



The ornamental design for a table, as shown.

72,661. TABLE. OSCAR B. BACH, New York, N. Y. Filed Jan. 12, 1927. Serial No. 20,345. Term of patent 3½ years.



The ornamental design for a table, as shown.

72,662. TABLE. OSCAR B. BACH, New York, N. Y. Filed Jan. 12, 1927. Serial No. 20,347. Term of patent 3½ years.



The ornamental design for a table, as shown.

72,663. PORTABLE CABINET. CLINTON BATEHOLTS, Hoosick Falls, N. Y. Filed Aug. 27, 1926. Serial No. 18,887. Term of patent 14 years.



The ornamental design for a portable cabinet, as shown.

72,664. TARGET TOY. SAMUEL I. BERGER, Newark, N. J. Filed Jan. 17, 1927. Serial No. 20,409. Term of patent 7 years.



The ornamental design for a target toy as shown.

72,665. CHILD'S APRON. CHATHAM E. BOWMAN, New York, N. Y., assignor to Samstag & Hilder Bros., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 3, 1926. Serial No. 16,759. Term of patent 3½ years.



The ornamental design for a child's apron as shown.

72,666. CLOCK CASING. GEORGE SIEGFRIED BRUSH, Zanesville, Ohio. Filed Jan. 5, 1927. Serial No. 20,284. Term of patent 3½ years.



The ornamental design for a clock casing as shown.

72,667. TEXTILE FABRIC OR SIMILAR ARTICLE. MARJORIE COLE, Quincy, Mass. Filed Dec. 11, 1926. Serial No. 20,028. Term of patent 7 years.



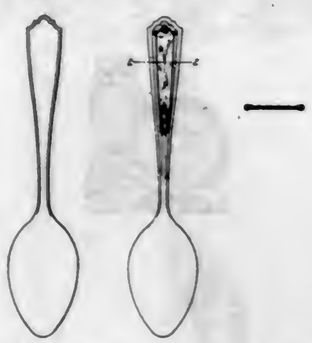
The ornamental design for a textile fabric or similar article as shown.

72,668. BRACKET BACK. LE ROY A. CRUMLEY, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 8, 1927. Serial No. 21,059. Term of patent 3½ years.



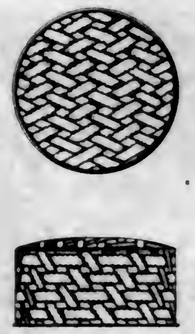
The ornamental design for a bracket back as shown.

72,669. SPOON OR SIMILAR ARTICLE. ROY L. DANKS and MAX L. BAKER, New Haven, Conn., assignors to The Regal Silver Mfg. Co., New Haven, Conn., a Corporation. Filed Feb. 2, 1927. Serial No. 20,589. Term of patent 14 years.



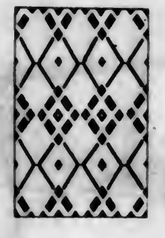
The ornamental design for a spoon or similar article as shown.

72,670. BOX OR SIMILAR CONTAINER. PAUL C. DELAIZE, New York, N. Y. Filed Jan. 26, 1927. Serial No. 20,493. Term of patent 7 years.



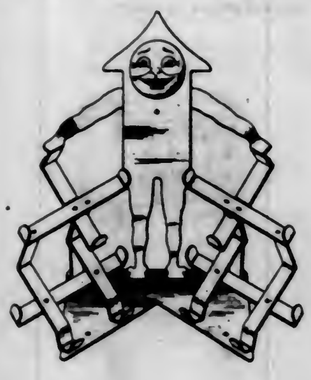
The ornamental design for a box or similar container as shown.

72,671. TEXTILE FABRIC. JULIUS A. FOX, New York, N. Y., assignor to H. Mendes & Company, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1927. Serial No. 20,782. Term of patent 14 years.



The ornamental design for a textile fabric as shown.

72,672. DISPLAY STAND. AUGIE L. HANSEN, Chicago, Ill., assignor to The A. L. Hansen Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 24, 1927. Serial No. 20,474. Term of patent 14 years.



The ornamental design for a display stand, substantially as shown.

72,673. LAMP SHADE. JOHN JACOBY and BRONO WIECZORKIEWICZ, Cleveland, Ohio. Filed Dec. 20, 1926. Serial No. 20,103. Term of patent 14 years.



The ornamental design for a lamp shade substantially as shown.

72,674. TEXTILE FABRIC. ERNEST KIRCHHOFF, Great Rills, N. Y., assignor to Elias Reiss and Company, New York, N. Y., a Corporation of New York. Filed Mar. 8, 1927. Serial No. 21,062. Term of patent 3½ years.



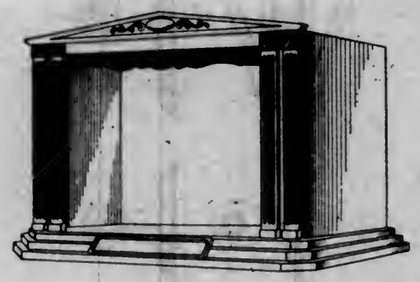
The ornamental design for textile fabric, as shown.

72,675. PILE FABRIC. JOHN LEIPER, New York Mills, N. Y., assignor to New York Mills Corporation, New York Mills, N. Y., a Corporation of New York. Filed Mar. 11, 1926. Serial No. 16,877. Term of patent 7 years.



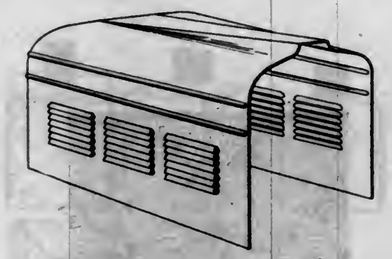
The ornamental design for a pile fabric as shown.

72,676. DISPLAY CASE FOR ADVERTISEMENTS. HUGH I. MCCANN, Southgate, Ky. Filed Jan. 3, 1927. Serial No. 20,261. Term of patent 7 years.



The ornamental design for a display case for advertisements, as shown.

72,677. ENGINE HOOD. FREDRIC E. MOSKOVICS, Indianapolis, Ind. Filed Feb. 13, 1926. Serial No. 16,518. Term of patent 7 years.



The ornamental design for an engine hood, as shown.

72,678. LACE. ALBERT E. NEWTON, Providence, R. I., assignor to Rhode Island Lace Works, Inc., West Barrington, R. I., a Corporation of Rhode Island. Filed Mar. 11, 1927. Serial No. 21,094. Term of patent 3½ years.



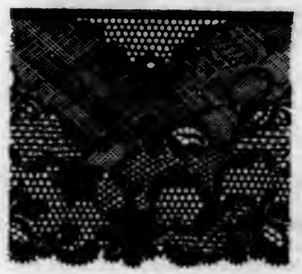
The ornamental design for lace substantially as shown.

72,679. LACE. ALBERT E. NEWTON, Providence, R. I., assignor to Rhode Island Lace Works, Inc., West Barrington, R. I., a Corporation of Rhode Island. Filed Mar. 14, 1927. Serial No. 21,146. Term of patent 3½ years.



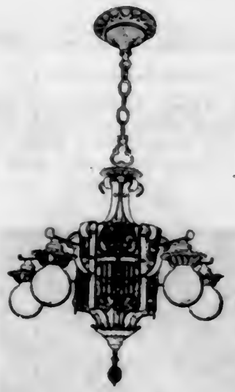
The ornamental design for lace substantially as shown.

72,680. LACE. ALBERT E. NEWTON, Providence, R. I., assignor to Rhode Island Lace Works, Inc., West Barrington, R. I., a Corporation of Rhode Island. Filed Mar. 15, 1927. Serial No. 21,148. Term of patent 3½ years.



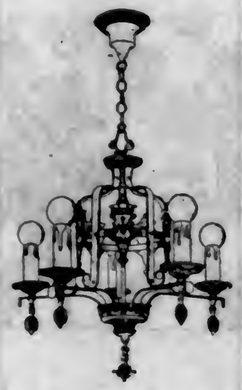
The ornamental design for lace substantially as shown.

72,681. CHANDELIER OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Filed Mar. 10, 1927. Serial No. 21,087. Term of patent 3½ years.



The ornamental design for a chandelier or article of similar nature as shown.

72,682. CHANDELIER OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Filed Mar. 10, 1927. Serial No. 21,088. Term of patent 3½ years.



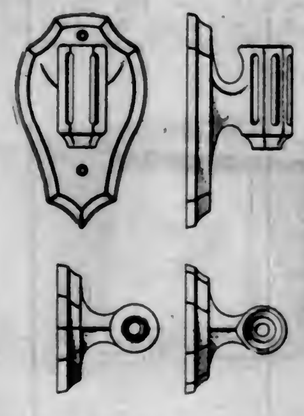
The ornamental design for a chandelier or article of similar nature as shown.

72,683. EMBROIDERED LACE. HENRY SCHWARBER, Weehawken, N. J. Filed Apr. 4, 1927. Serial No. 21,452. Term of patent 3½ years.



The ornamental design for embroidered lace, as shown.

72,684. SIDE-WALL LIGHTING FIXTURE. ROY W. SCHWEIKER, Lansdale, Pa. Filed Aug. 2, 1926. Serial No. 18,568. Term of patent 14 years.



The ornamental design for a side wall lighting fixture, as shown and described.

72,685. SHOE. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 22, 1927. Serial No. 20,458. Term of patent 3½ years.



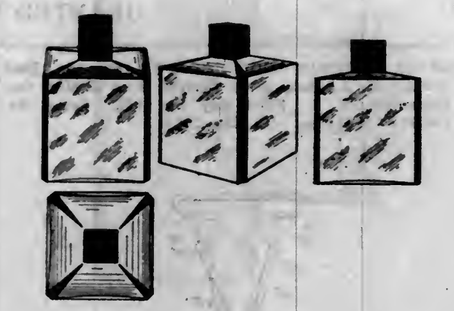
The ornamental design for a shoe, substantially as shown.

72,686. ELECTRIC-LIGHT BRACKET. WILMER S. SNOW, Oak Park, Ill., assignor to Unique Lamp & Casting Company, a Copartnership consisting of Henry Goodfriend, William Christensen, and Alfred E. Larsen, Chicago, Ill. Filed Dec. 6, 1926. Serial No. 19,937 Term of patent 3½ years.



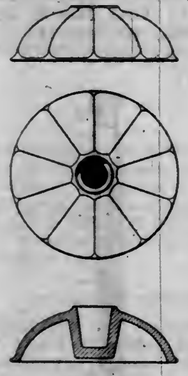
The ornamental design for an electric light bracket, as shown.

72,687. BOTTLE OR SIMILAR CONTAINER. MADELEINE VIONNET, Paris, France. Filed Aug. 20, 1926, Serial No. 18,783, and in France July 27, 1926. Term of patent 14 years.



The ornamental design for a bottle or similar container, substantially as shown.

72,688. CANDLESTICK. CHARLES H. WEST, Pittsburgh, Pa., assignor to Westmoreland Glass Company, Grapeville, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1926. Serial No. 16,705. Term of patent 7 years.



The ornamental design for a candlestick as shown.

PATENTS

GRANTED MAY 17, 1927.

1,628,638. BUTTON LOOP. CARL E. ANDERSON, East Orange, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Filed May 20, 1926. Serial No. 110,324. 2 Claims. (Cl. 24—224.)



1. A button loop made of a single piece of wire bent to form a strap receiving loop at the top and having depending arms returned to form a button holding loop with a restricted entrance, the arms each having its end secured in limited movable contact with the other beyond the button receiving loop.

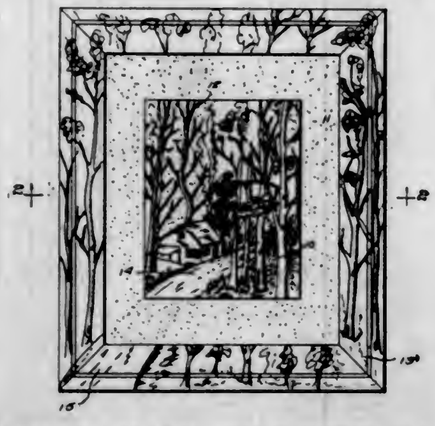
1,628,639. MECHANICAL PENCIL. BAGDASAR AVAKIAN, Arlington, R. I. Filed June 8, 1926. Serial No. 114,463. 4 Claims. (Cl. 120—18.)



1. In a mechanical pencil, the combination with the barrel thereof, of a tubular member within said barrel, and means for expanding said tubular member to adapt it to grip the interior walls of the barrel to secure it rotatively therewith.

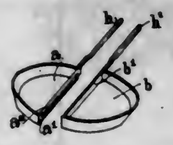
1,628,640. PICTURE. CARTER BALDWIN, Wilmington, Del. Filed July 24, 1926. Serial No. 124,749. 2 Claims. (Cl. 41—10.)

1. An article of the class described comprising a colored picture, a frame surrounding but spaced from the picture, said frame being pictorially decorated to represent a continuation of the picture, a mat between the picture and



the frame, said mat being colored to correspond with a dominant color appearing in a portion of the picture contiguous thereto.

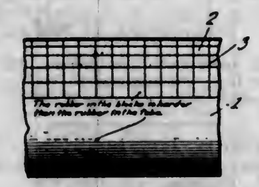
1,628,641. FRYING PAN AND SAUCEPAN AND SUCH LIKE VESSEL. EDITH MARY BOLTON, Gerrards Cross, England. Filed July 14, 1925, Serial No. 43,454, and in Great Britain July 18, 1924. 1 Claim. (Cl. 53.—7.)



A composite cooking utensil comprising in combination a pair of complementary vessels each having a straight side, the straight side of one being turned over at its top edge to form a hook for engaging the upper edge of the companion vessel, a handle secured to each of said vessels adjacent to the straight side thereof, each of said handles being laterally offset from the point of connection with its vessel and one of said handles being of channel formation and adapted to embrace the other at its side edges and one face thereof whereby when the vessels are hooked together the handles nest one within the other thereby to form substantially a unitary structure.

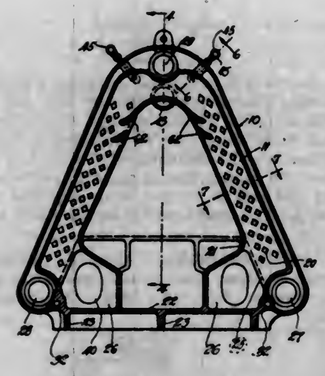
1,628,642. INNER TUBE. WILLIAM J. BOWMAN, Smith Center, Kans. Filed Aug. 18, 1924. Serial No. 732,861. 1 Claim. (Cl. 152—13.)

In a device of the class described, an inner tube of rubber, for use in a vehicle tire, and a puncture-resisting armor for the tube, the armor comprising a plurality of rubber blocks, the rubber of which is harder than the constituent rubber of the tube, and hard enough to resist puncture, and adhesive material on the inner surfaces of all of the blocks and securing them to the outer surface of the tube, the blocks being located so closely together, about their entire peripheries, that they present a practically continuous anti-puncturing surface: every one of the blocks being free about its entire periphery, the peripheral surfaces of each of the blocks being disposed at right angles to the outer surface of the tube, through-



out the entire periphery of each block, and the blocks being spaced far enough apart, about the periphery of every one of them, so that, when secured to the tube as aforesaid, each block may move with the tube, and radially of the tube, without engaging an adjoining block in overlapped relation thereto.

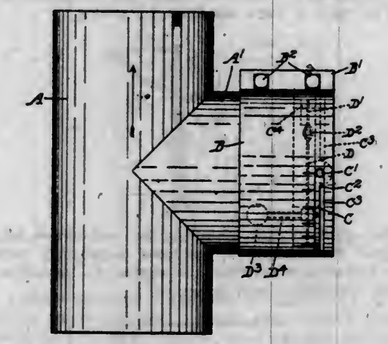
1,628,643. MEANS FOR REMOVING SOOT. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1923. Serial No. 676,960. 4 Claims. (Cl. 122—379.)



1. In a boiler including a combustion chamber and flue passage downwardly extending from the upper portion thereof, means for cleaning the interior wall of said flue passages, comprising means for flowing water across said surfaces, and means for clearing from said passages the water so admitted, and means for excluding the water so admitted from access to the combustion chamber.

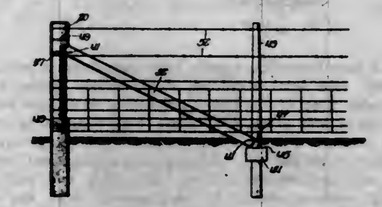
1,628,644. AUTOMATIC DRAFT REGULATOR. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 26, 1926. Serial No. 131,577. 14 Claims. (Cl. 236—45.)

1. An automatic draft regulator, adapted for application to a stub pipe, including a clamping ring adapted to surround the end of said pipe, a holding ring positioned within said clamping ring, a damper plate pivoted in said



holding ring and means for rotating said holding ring and damper plate.

1,628,645. FENCEPOST AND BRACING MEANS THEREFOR. ADEN W. ANDREWS, Lincoln, Nebr. Filed July 20, 1925. Serial No. 44,694. 5 Claims. (Cl. 72—82.)



3. A fence post including a longitudinal recess extending a portion of the length thereof, an arcuate surface extending lengthwise of said recess, a shoulder adjacent each end of said recess, said shoulders and recess being adapted to help lock in place and receive the thrust from a diagonal brace extending from said post at any one of a plurality of angles.

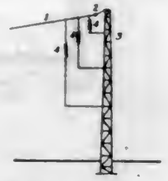
1,628,646. LUBRICANT AND PROCESS OF MAKING THE SAME. ARMAN E. BECKER, Elizabeth, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Nov. 21, 1924. Serial No. 751,401. 9 Claims. (Cl. 87—9.)

1. In a process of making a lubricating oil composition, the steps of adding to a hydrocarbon oil, having lubricating properties, an effective amount of soap, less than ½% by weight of the oil, and heating the mixture to a temperature above 350° F. but not above the boiling point of the oil.

1,628,647. METHOD OF LUBRICATING INTERNAL-COMBUSTION ENGINES. ARMAN E. BECKER, Elizabeth, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Oct. 29, 1925. Serial No. 65,697. 6 Claims. (Cl. 87—9.)

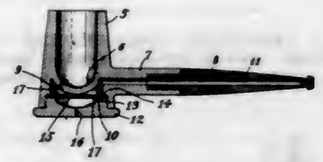
1. Method of lubricating internal-combustion engines and associated parts, comprising supplying to surfaces tending to become fouled with carbonaceous or gummy deposits, a liquid composition consisting essentially of lubricating oil containing an alkali metal soap of a fatty acid in an effective amount less than 0.5% by weight of the oil.

1,628,648. RADIOTELEGRAPHIC STATION. JOSEPH BETHENOD, Paris, France. Filed Aug. 2, 1921, Serial No. 489,302, and in France Feb. 23, 1918. 5 Claims. (Cl. 250—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



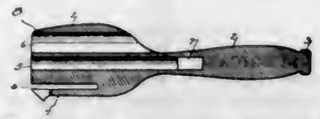
1. In a radio telegraph station, the combination with an energized antenna of a grounded supporting metallic tower insulated therefrom and means to neutralize induction currents in said tower.

1,628,649. PIPE. ANDREW F. BITTNER, New York, N. Y. Filed June 11, 1925. Serial No. 36,329. 4 Claims. (Cl. 131—12.)



4. A pipe including a body part comprising a bowl, and a stem, said bowl including a transverse grate, and a removable plug at the lower portion of said pipe beneath said grate and stem, said grate and plug being spaced apart to form a condensing chamber, said plug being removable to permit the insertion of an absorbent element into said condensing chamber, said plug and body part having coacting means for engagement with the edges of said element whereby the latter may extend entirely across said chamber and be secured in position by said means.

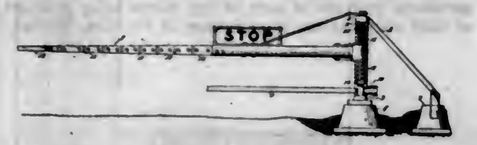
1,628,650. SPREADER TOOL. JAMES LEE BUCHANAN, Waco, Tex. Filed Oct. 27, 1925. Serial No. 65,234. 2 Claims. (Cl. 81—3.)



1. A spreader tool for cotter-pins, split keys and the like, embodying a body having a head and a handle, said head having a longitudinal bore extending through one end thereof and of a diameter to receive either leg of a cotter-pin or the like, whereby to effect bending of the leg about the object to which the pin is secured by a turning of the body with its head as a fulcrum, said body having a tapering edge one wall of which is formed by a part of the wall defining said bore so as to provide a wedge-like part engageable between the legs of the pin to initially spread the same.

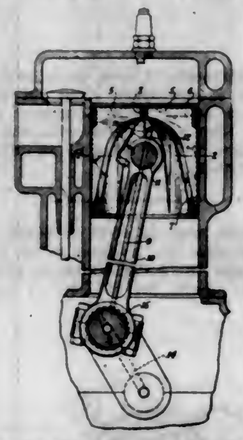
1,628,651. YIELDABLE BARRIER FOR AUTOMATIC RAILWAY-CROSSING GATES. JOHN R. BURRESS, Arlington, Tex. Filed Jan. 26, 1926. Serial No. 83,809. 10 Claims. (Cl. 39—87.)

1. In an automatic railway crossing gate; a barrier therefor including a mounting and a post rotatably journaled in said mounting; a sectional bar movably mounted on said post having a yieldable outer end of longitudinally alined segments, and a nonresilient inner end; means on the extremity of said outer end to repel the effect of a colliding object, and means surrounding said post and ar-



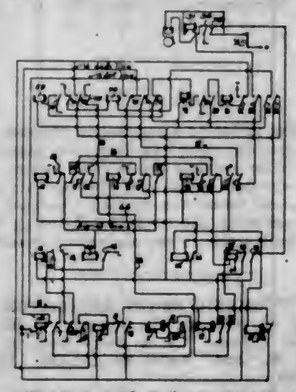
ranged to bear against said nonresilient inner end to impart torsional force thereagainst to yieldingly maintain normal horizontal disposition of said bar.

1,628,652. PISTON CONSTRUCTION. CHARLES A. CARLSON, Ridley Park, Pa. Filed Jan. 28, 1921. Serial No. 440,703. 6 Claims. (Cl. 123—176.)



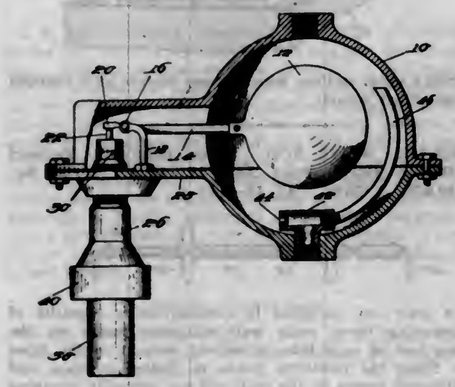
1. In an engine of the character described, a piston body having thermal characteristics of cast iron and a heat radiating fin or fins of greater thermal conductivity than the material of the piston body incorporated in said piston body in intimate heat conducting relation thereto and extending from the central toward the edge portions of the piston body and said fin or fins being embedded at their edges in the head and skirt portion of the piston body.

1,628,653. CALL SELECTOR. LOUIS L. E. CHAUVEAU, Paris, France. Filed June 27, 1923, Serial No. 647,992, and in France July 13, 1922. 5 Claims. Cl. 177—353.)



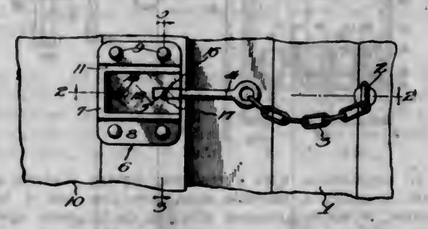
1. In a call selector adapted to respond to the distress signal, the combination of impulse responsive means, timing means cooperating therewith for determining the length of an impulse, a plurality of relays cooperating with said timing means, and connections between the relays whereby they respond in predetermined sequence to the impulses of the first letter of the distress signal, switching means cooperating therewith for resetting said relays to respond to the second letter of the distress signal, and for resetting said relays to cause them to respond to the third letter of the distress signal and means for causing the energization of an alarm upon the completion of the third letter of the distress signal.

1,628,654. INLET VALVE FOR BOILERS. WILLIAM M. CISSELL, Louisville, Ky. Filed Mar. 4, 1926. Serial No. 92,219. 2 Claims. (Cl. 137—101.)



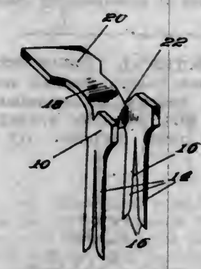
1. A float valve for water feeders, comprising a spherical float chamber, a spherical float in the chamber, a pivoted lever upon one end of which the float is mounted, an overhanging pivotal support for the lever, a valve rod co-operating with the short end of the float lever, a housing for the valve rod, said housing forming a portion of the cold water supply inlet, and a combined equalizing and overflow tube in the chamber.

1,628,655. SEAL FOR CAR DOORS. WALTER J. COLVIN and LOUIS KIRSCHBRAUN, Omaha, Nebr. Filed Mar. 6, 1925. Serial No. 13,443. 2 Claims. (Cl. 292—282.)



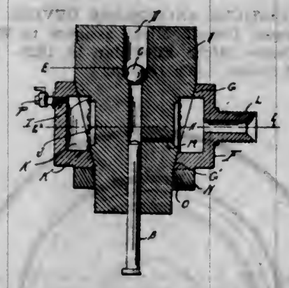
1. In a car door seal, the combination with a retaining case having a plaque retaining means on its exposed surface and adapted to be attached to a car, a slot in said exposed surface, a pin projecting from the surface of the slot, a separate spring tensioned locking stud mounted in and projecting from the surface of said case, an apertured locking bolt adapted to be placed in said slot, the aperture registering with said pin, a breakable closure plaque having an interior recess inserted in said plaque retaining means, said interior recess being adapted to register with said spring tensioned locking stud to hold the plaque in locked position.

1,628,656. SPIKE RETAINER. HERBERT O. CRIPPEN, Chicago, Ill. Filed July 18, 1925. Serial No. 44,438. 2 Claims. (Cl. 85—28.)



1. A spike retainer, comprising in combination, a band formed to embrace a spike on three sides thereof, material gripping spurs integral with the band and extending downwardly therefrom, and a spike head retaining means also integral with the body, said retaining means comprising an upwardly and outwardly extending projection, the line of juncture of said projection with the body being lower than the upper edge of the said body.

1,628,657. HIGH-PRESSURE PUMP FOR DIESEL ENGINES. HERMANN I. A. DORNER, Hanover, Germany. Filed Feb. 15, 1926. Serial No. 88,410. 5 Claims. (Cl. 103—153.)



1. The combination with a pump barrel and a reciprocating plunger or piston engaging the same, of an annular screen or strainer longitudinally engageable with the outer surface of the barrel, bearings or seats on said outer surface of the barrel for receiving said strainer and spaced at opposite sides of a central annular recess having a port connection with the interior of the barrel, and an annular housing detachably engageable with the outer surface of said barrel and surrounding said screen, said housing communicating with the fluid inlet.

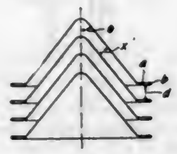
1,628,658. TALKING-MACHINE RECORD. FRANK L. DYER, Montclair, N. J. Original application filed May 7, 1923, Serial No. 637,198. Divided and this application filed Feb. 12, 1924. Serial No. 692,293. 10 Claims. (Cl. 274—42.)



8. An improved talking machine record having a sound groove approximately .001 inch in width and representing sounds recorded at a surface speed of

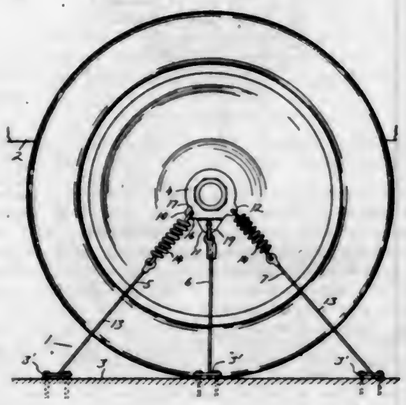
approximately eight inches per second, said groove being in the form of a spiral the pitch of which is approximately .002 inch and the recorded sounds being of a maximum amplitude of approximately .0002 inch.

1,628,659. ELECTRICAL CONDENSER. CHARLES SAMUEL FRANKLIN, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 21, 1921, Serial No. 479,362, and in Great Britain Jan. 11, 1916. 2 Claims. (Cl. 175—41.)



1. A condenser comprising a plurality of nested conical plates of conducting material, variably spaced, the angles between the apexes of the cones and their sides being selectively varied in accordance with the nature of the dielectric used, each plate being provided with a flange extending substantially at right angles to the axis of the cone and having its outer edges rounded off to form a bead.

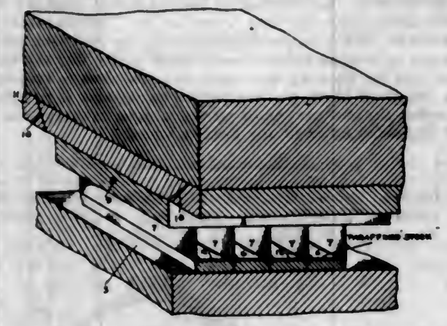
1,628,660. VEHICLE ANCHORAGE DEVICE. CHARLES A. GOODSPEED, Detroit, Mich., assignor to William W. Blakely, Dexter, Mich. Filed Mar. 18, 1925. Serial No. 16,535. 6 Claims. (Cl. 188—32.)



1. In an anchorage device of the class described, the combination with an anchorage member and an adapter member, of a tie member including a non-stretchable element and a stretchable element arranged end to end between said members.

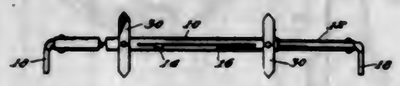
1,628,661. MATCH BOOK. LEO GREENBAUM, Far Rockaway, and EDWARD VAN HOOFSTADT, Oceanside, N. Y., assignors to Lion Match Company, Inc., a Corporation of New York. Filed Feb. 10, 1925. Serial No. 8,129. 1 Claim. (Cl. 144—51.)

A method of forming match splints comprising the waxing a sheet of the stock and forming cuts through said stock by supporting the stock on a bed and pressing knives toward the bed and through the stock, thereby



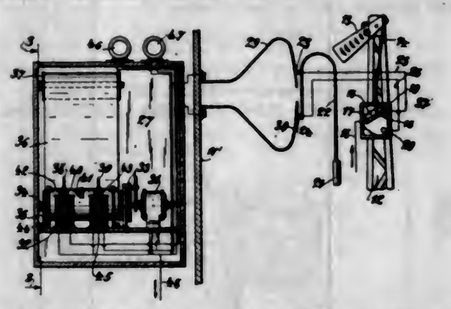
forming splint sections which on one surface have rounded longitudinal corners.

1,628,662. STAIR ROD. JAKOB GRÖNROOS, Fairport Harbor, Ohio. Filed Aug. 17, 1925. Serial No. 50,571. 1 Claim. (Cl. 16—14.)



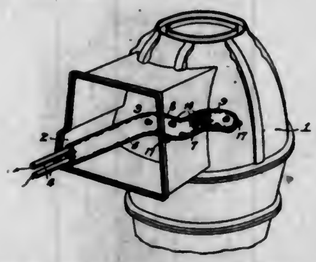
A stair rod, including in combination, a plurality of telescoping tubes, stair wall attaching means on the outer end of each tube, a resilient element in the tubes for fixing the retaining means in desired position, and additional means on the stair rod for vertically retaining the stair cover in position against the face of a step, said means including rotatable cover gripping supports pivotally mounted on the retaining elements.

1,628,663. AUTOMATIC RAILWAY SIGNAL. RALPH GROSS, Buffalo, N. Y. Filed Jan. 14, 1926. Serial No. 81,138. 1 Claim. (Cl. 246—74.)



In combination with a trackway having roadside signals including a movable semaphore arm and a locomotive, of masts arranged adjacent the roadside, spring arms on said masts, rods insulated from said spring arms and extending contiguous to the path of the locomotive, contactors carried by said locomotive to engage with said rods respectively, a casing on the locomotive, lamps respectively red and green carried on said casing, an electric motor in said casing, a drum driven by said motor, a rolled strip of material capable of receiving marks actuated by said drum, a pair of electromagnets in the casing, a stylus controlled by each magnet to mark selectively on said strip, and means controlled by the position of said semaphore arm to energize said motor and selectively actuate the styli, said means also causing selective illumination of said lamps.

1,628,664. WATER-HEATING APPARATUS. OTTO C. GRUTTER, Creston, Ill. Filed Feb. 28, 1922. Serial No. 538,482. 6 Claims. (Cl. 122—20.)



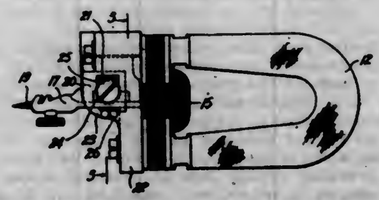
1. A water heating apparatus comprising a conduit having two ports at one end thereof, one port for receiving a cold water pipe and the other for a hot water pipe, a longitudinal partition in said conduit separating the two ports and forming two channels extending to the opposite end of said conduit, the channels being connected at a position remote from the said ports, the conduit being downwardly curved in a portion intermediate its ends and having a corresponding reverse curve to thereby dispose the two end portions of the conduit substantially in parallel horizontal planes, the downwardly curved portion having a clean-out port positioned to permit the insertion of a clean-out implement longitudinally of said portion.

1,628,665. WEATHER STRIP. JOHN G. S. HALL, Chicago, Ill. Filed July 19, 1926. Serial No. 123,300. 4 Claims. (Cl. 20—69.)



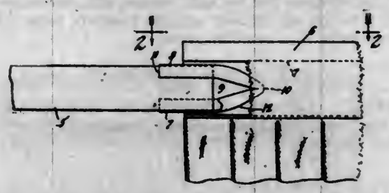
1. A weather strip adapted for edge contact in use comprising a flexible pliable ribbon of fibrous material, a fabric strip folded around said fibrous ribbon and protecting the portion thereof that is exposed in use, the longitudinal edges of said strip lying flat against and parallel to said ribbon, and at least one of the longitudinal edges of the fabric strip adapted to receive attaching devices that are passed through the ribbon to mount the weather-strip, the relative disposition being such that a longitudinal edge of the ribbon is adapted to be engaged and compressed transversely against a structure opposing the member upon which the strip is mounted.

1,628,666. ELECTROMAGNETIC DEVICE. HENRY C. HARRISON, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed May 24, 1926. Serial No. 111,209. 8 Claims. (Cl. 175—345.)



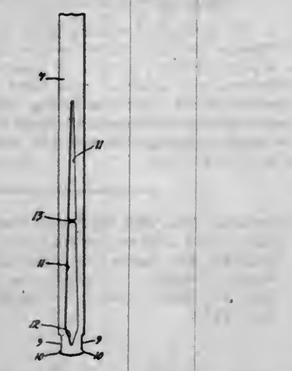
1. In an electromagnetic device, a vibrating armature, a spring member firmly attached thereto, and screw means having a threaded portion which cooperates with the surface of the spring for adjusting the free length thereof.

1,628,667. CURTAIN-ROD-THREADING DEVICE. CLYDE N. HATHAWAY, Detroit, Mich. Filed Apr. 15, 1926. Serial No. 102,129. 2 Claims. (Cl. 223—38.)



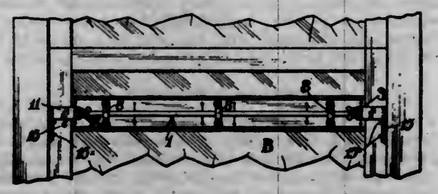
1. A curtain rod attachment comprising a member formed with top and bottom channels, spaced apart and facing each other, said channels being jointed at one end to form a curved end for said member, said channels being movable toward and away from each other from the point of said end joinder.

1,628,668. FLAT-SPIRAL POWER SPRING. ALBERT S. HOWELL, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1925. Serial No. 75,008. 2 Claims. (Cl. 185—37.)



1. As an article of manufacture a flat spiral power spring having an inner portion thereof apertured longitudinally thereof, said aperture being disposed centrally of the spring and gradually increasing in width toward the inner end of the spring, the spring having a cross tie integral therewith and disposed intermediate the length of said aperture and connecting the portions of the spring formed by the aperture.

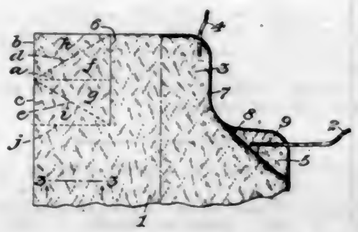
1,628,669. WINDOW-CLEANING DEVICE. GEORGE HASHIM HUNTER and FRANCES HASHIM HUNTER, New York, N. Y. Filed Mar. 6, 1926. Serial No. 92,674. 2 Claims. (Cl. 15—250.)



1. As a new article of manufacture, a window glass cleaning device comprising a plate having a relatively broad flat surface, a body of felt having a surface of the same general form as the plate and connected there-

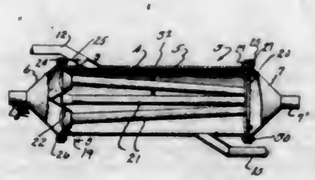
to, telescopic rods affording a support for the plate, the plate being mounted for movement along said rods, a carrier arm secured at the exposed end of each telescopic rod and brackets one for each carrier arm, each arm being adjustable on its bracket and the brackets being adapted for securing to a window frame.

1,628,670. APRON. MORRIS KATZ, New York, N. Y. Filed Apr. 28, 1925. Serial No. 26,327. 3 Claims. (Cl. 2—48.)



1. The method of making paper aprons, which consists in slitting the stock to define the side edges of a bib and a depending skirt portion of greater width, folding the remaining cut material upon itself and upon the upper corners of the skirt portion to reinforce said corners, and thereafter securing tie strings to the folded material by means passing through the string, folded material and skirt portion.

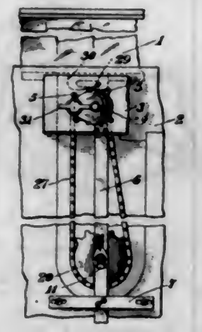
1,628,671. HEATER FOR AUTOMOBILES. JAMES W. KELCH and JAMES J. SUNDAY, Detroit, Mich., assignors, by direct and mesne assignments, to Kelch Ventilating Heater Company, a Corporation of Michigan. Filed July 27, 1925. Serial No. 46,411. 7 Claims. (Cl. 257—241.)



1. A heater for motor vehicles including a shell having inlet and outlet ports for the exhaust gases of the motor, a plurality of tubes extending longitudinally of the shell between said inlet and outlet ports, and means for directing the exhaust gases into said tubes, said means including a plate having frusto-conical portions connected to the inlet ends of said tubes and having a projection in alignment with the inlet port aforesaid for deflecting said gases into said frusto-conical portions.

1,628,672. CLUTCH FOR WINDOW REGULATORS. PETER JOHN KURSCHEIDT, Woodhaven, and HARRY E. NORWOOD, Brooklyn, N. Y. Original application filed Apr. 29, 1922, Serial No. 557,470. Divided and this application filed Apr. 28, 1926. Serial No. 105,061. 19 Claims. (Cl. 192—8.)

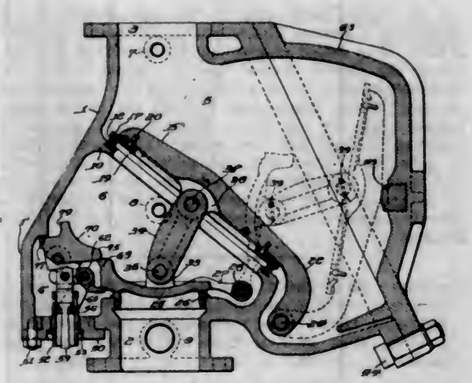
1. In a window regulator, a rotatable member, an actuator for said rotatable member including a manual handle and an actuating shaft, a non-rotatable clutch member, and a slidable locking member adapted for engagement with said clutch member, said locking member being automatically moved to clutching position and being moved to non-clutching position by movement of said handle.



1,628,673. SILVER ALLOY. ROBERT H. LEACH, Bridgeport, Conn., assignor to Handy & Harmen, a Corporation of New York. Filed Aug. 25, 1923. Serial No. 659,394. 3 Claims. (Cl. 75—1.)

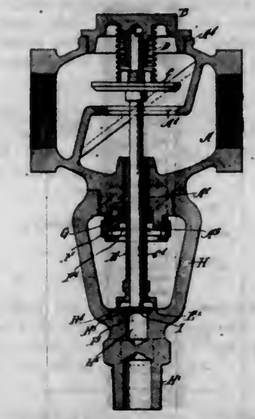
1. An alloy containing a preponderating amount of silver about 7.5% of cadmium and antimony, the cadmium ranging from about 1% to 7% and the antimony from about 6.5% to 0.5%.

1,628,674. DRY-PIPE VALVE. LEROY M. LEWIS, Merion, Pa. Filed Apr. 11, 1922. Serial No. 551,599. 7 Claims. (Cl. 169—22.)



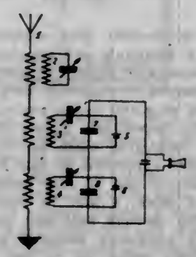
1. A dry pipe valve comprising a casing having a chamber, a water inlet communicating with said chamber, a hinged valve clapper controlling said inlet, a drain valve communicating with said chamber and having a vertically movable poppet, a trip member extending into the path of movement of said clapper and movable thereby, a dog horizontally pivoted above the poppet and also extending into the path of movement of said clapper, adapted to be positively moved by the clapper in one direction and operative to limit the movement of the clapper in the other direction, and means connecting said trip and said poppet and adapted to contact said dog whereby said dog may be moved out of the path of said valve clapper by lifting the poppet.

1,628,675. AUTOMATIC SHUT-OFF VALVE. LUTHER D. LOVEKIN, Wynnewood, Pa. Filed July 21, 1925. Serial No. 44,994. 3 Claims. (Cl. 137—162.)



1. In combination with a valve casing adapted to be located in a conduit for fluid fuel, a valve, means tending to seat said valve, a plunger extending from the valve through the wall of the casing, a guide tube for the plunger screwing into the wall of the casing and extending beyond the same, said tube having an annular seat formed at its outer end, a support for a fusible stop and an abutment against which the annular seat on the tube can be screwed, and a fusible stop for the plunger located to hold the valve open.

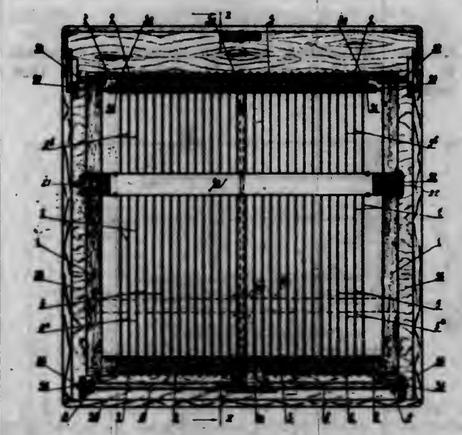
1,628,676. RECEIVING ARRANGEMENT FOR WIRELESS TELEGRAPHY. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921, Serial No. 498,417, and in Germany Mar. 6, 1917. 5 Claims. (Cl. 250—20.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



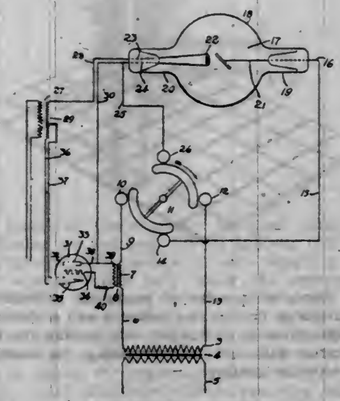
2. In combination, a plurality of detectors, means for impressing a signal frequency on one of said detectors and undesired electrical energy on said plurality of detectors, an indicator, means whereby the rectified energies from said detectors affect said indicator in opposite sense, means whereby said undesired energy is neutralized during a signalling interval but increases the effect of the signal frequency during a signalling period.

1,628,677. DEVICE FOR GRAPHICALLY INDICATING INFORMATION ON PLANS, MAPS, CHARTS, OR THE LIKE. JEAN HENRI ADRIEN MORICHARD, Amsterdam, Netherlands. Filed Nov. 4, 1924, Serial No. 747,872, and in Netherlands May 19, 1923. 3 Claims. (Cl. 35—12.)

1. In a device for graphically indicating information on plans, maps, or charts containing a supporting plate with grooved discs at the upper and lower edges, cords guided by said discs, the same being strained by coiled springs at the back side of the plate, an adjusting ball being attached to each cord to cooperate with a toothed guide-piece slidably mounted at the back side of the supporting plate the space between the teeth being so chosen that the said ball cannot pass.



1,628,678. CURRENT-REGULATING APPARATUS. MONTFORD MORRISON, New York, N. Y. Filed Jan. 2, 1922. Serial No. 526,453. 11 Claims. (Cl. 250—34.)

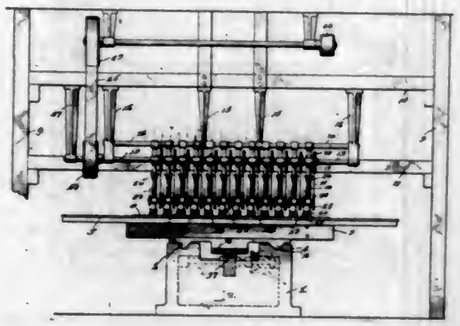


1. In combination with an X-ray tube having a hot cathode and an anode across which a high potential is impressed subject to variations in voltage which causes erratic current flow, means for increasing or decreasing the current flow in said tube comprising a three-electrode vacuum electron tube, means whereby the grid of which is caused to fluctuate in potential corresponding to the changes in potential impressed on said tube circuit.

1,628,679. CONSTRUCTION OF TENNIS COURTS. JEPHTHAH NEATH, Staines, England. Filed Sept. 9, 1925, Serial No. 55,412, and in Great Britain Nov. 3, 1924. 2 Claims. (Cl. 94—20.)

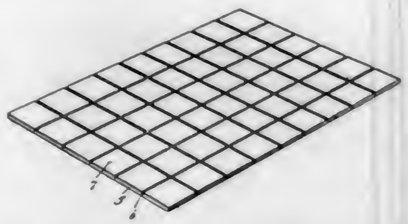
1. The construction of a tennis court of a mixture of boiled water-gas tar and spent oxide from gas purifiers.

1,628,680. MULTIPLE SCORING MACHINE. NATHAN E. NEWMAN, Bronxville, N. Y. Filed Feb. 10, 1926. Serial No. 87,333. 10 Claims. (Cl. 144—136.)



1. In a slab scoring machine, a travelling slab supporting element having in its supporting surface two recesses intersecting at a right angle, and each adapted to serve, selectively, as a seat for accurately locating and presenting a slab or sheet of material, whereby the slab may be presented successively to the scoring instrumentality in right angularly related positions.

1,628,681. PLASTIC SHEET OR SLAB. NATHAN E. NEWMAN, Bronxville, N. Y. Filed Mar. 5, 1926. Serial No. 92,440. 4 Claims. (Cl. 18—60.)



1. The improved process of producing artificial slabs which consists in first mixing asbestos and a binder, then molding therefrom an indurated slab, scoring the face of the indurated slab, and then providing the scored face with a protective coating.

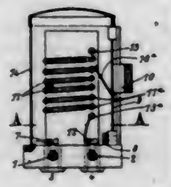
1,628,682. METHOD OF CONSTRUCTING CONCRETE WALLS IN DEEP TRENCHES. FRANK P. NOE and SETH M. GOODEN, Chicago, Ill. Filed Jan. 13, 1926. Serial No. 80,905. 2 Claims. (Cl. 25—131.)

2. The method of producing a wall in a trench, which consists in lagging the trench at opposite sides, placing across the trench screw jacks having body members made of long thin pipes filled at one end with concrete and having jack screws at the other and, erecting in the trench a wall form forming with the lagging adjacent to the filled ends of the pipes a space for the wall to be poured, pouring concrete into said space, removing the



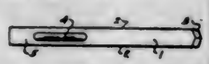
wall form after the concrete has set, cutting off the projecting ends of the pipes, and filling the free space within the pipes with concrete.

1,628,683. ELECTRIC CONTACT PLUG. EMILE CHRISTIAN PÉNIN, Joinville-le-Pont, France, assignor to Pathé Cinéma, Anciens Établissements Pathé Freres, Paris, France. Filed Nov. 8, 1924, Serial No. 748,563, and in France Dec. 1, 1923. 3 Claims. (Cl. 201—62.)



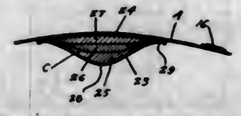
3. An electric contact plug comprising an insulating base, two main terminals and two branch terminals carried by said base, said main and branch terminals being respectively adapted to cooperate with the socket and the plug of a usual plug and socket connection and said main terminals being respectively connected with said branch terminals, an insulating block carried by said base, resistance elements supported by said block and connected to one terminal of one of said groups of terminals, a cover for said block, a slot in said cover, a movable slide protruding through said slot and adapted to contact with said resistance elements and two conducting wires respectively connected to the other terminals of said group and to said slide.

1,628,684. METHOD OF MANUFACTURING THIN DRILL BLADES. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Original application filed Nov. 7, 1925, Serial No. 67,501. Divided and this application filed Mar. 27, 1926. Serial No. 97,835. 3 Claims. (Cl. 76—108.)



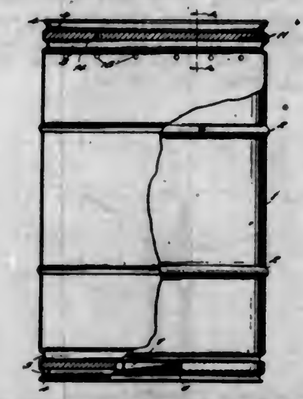
3. The method of cheaply manufacturing drill blades in large quantities at such a small cost that it is cheaper to throw a dull blade away than the sharpen it, consisting in cutting the blades from a continuous strip of a thin flat cold soft steel bar rectangular in cross-section at the same time pressing or embossing the metal of the shank to form a strengthening rib on one side and a groove on the other to permit nesting of the blades sharpening the blades and then tempering them, the completed drill blades being of the same rectangular contour as the continuous steel bar from which they are cut.

1,628,685. SACRO-ILIAC BELT. CLARA A. PRATT, St. Paul, Minn., assignor of one-half to Edith M. Scanlan, Minneapolis, Minn. Filed May 11, 1922. Serial No. 560,121. 2 Claims. (Cl. 128—96.)



1. A sacro iliac belt comprising a supporting member, having a rear body portion, a pad secured to the center of said body portion formed with a ridge positioned vertically along the same.

1,628,686. SHEET-METAL KEG. JOHN R. RAIBLE, Lakewood, Ohio, assignor to The Greif Brothers Cooperage Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 18, 1922. Serial No. 582,599. 4 Claims. (Cl. 220—66.)



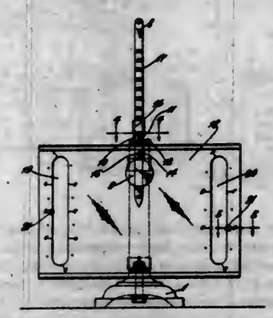
1. A keg comprising a sheet metal body having a continuous internal head receiving groove adjacent one end formed by circumferential internal ribs, said body having a tongue struck up therefrom between said ribs forming an elongated transverse aperture when said tongue is bent outwardly, and a head fitting in said groove and consisting of a pair of side segments and a central wedge shaped section adapted to be inserted through said aperture and to be held in place by said tongue.

1,628,687. CLAMPING MEMBER FOR AWNINGS. EDWARD H. SCHANE, Cleveland, Ohio, assignor to The Fanner Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 18, 1925. Serial No. 57,239. 3 Claims. (Cl. 156—15.)



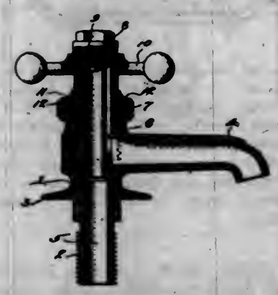
1. A clamping member comprising a part having an opening and an extending lip, a clamping member having a screw threaded shank which extends through said opening and also provided with an extension which normally lies beneath said lip, said lip and extension being adapted to receive a rod between them, and a nut engaging said screw threaded shank for the purpose described.

1,628,688. DEVICE FOR TEACHING TIME IN MUSIC. LEWIS W. SCUTT, St. Louis, Mo. Filed Oct. 24, 1925. Serial No. 64,488. 3 Claims. (Cl. 84—484)



2. A device for teaching time in music including a plate having an elongated slot formed therein to indicate the time values, said slot being provided with graduations for subdividing it into time values, adjustable devices settable on said graduations for indicating the subdivisions, and a metronome device for synchronizing the time value with the time value indicated by the slot.

1,628,689. COMPRESSION FAUCET. WILLIAM G. STEWART, Cleveland, Ohio. Filed Oct. 26, 1926. Serial No. 144,368. 10 Claims. (Cl. 251—43.)

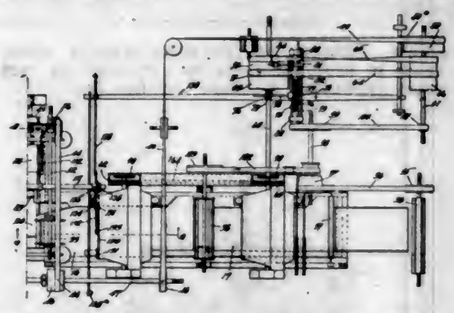


1. A faucet of the character described comprising a casing having one end open and its opposite end adapted to be connected with a source of water supply, a tubular member secured within said casing and extending upwardly through the upper end thereof, a sleeve slidably secured within said casing, a valve carried by said sleeve and movable to a position to close the upper end of said tubular member, said sleeve being movable to a position to expose the upper end of said tubular member above the top of said sleeve without removing said sleeve from said casing, and an outlet leading from said casing.

1,628,690. APPARATUS FOR CLEANING CLOTH. GEORGE STONE, North Andover, Mass., assignor to M. T. Stevens and Sons Company, North Andover, Mass., a Corporation of Massachusetts. Filed July 27, 1925. Serial No. 46,272. 5 Claims. (Cl. 8—19.)

1. In a web-cleaning apparatus, a rinsing tank having a partition subdividing the tank into two communicating compartments, a driven guide pulley arranged to deliver

a web to the first compartment, and a pair of driven feed rolls located one above the other above said partition, and arranged to withdraw the web from the first compartment and deliver it to the second compartment, the



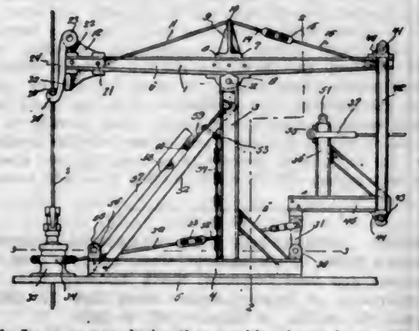
web passing in substantially parallel stretches from the first compartment to the feed rolls, and from the feed rolls to the second compartment, mechanism being provided for driving the feed rolls alternately forward and backward to reciprocate the web lengthwise.

1,628,691. HEATER FOR AUTOMOBILES. JAMES J. SUNDAY, Detroit, Mich., assignor, by mesne assignments, to Kelch Ventilating Heater Company, a Corporation of Michigan. Filed Jan. 25, 1926. Serial No. 83,733. 4 Claims. (Cl. 257—241.)



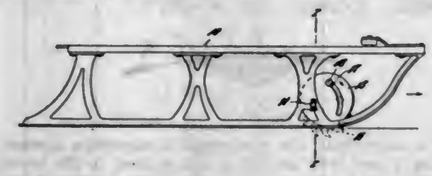
1. In a heater for automobiles, a muffler having peripheral flanges, an air heating jacket including complementary sections adapted to surround said muffler in spaced relation thereto, said jacket having an internal diameter substantially equal to the diameter of the peripheral flanges and having enlarged channel-shaped portions surrounding said flanges, and metal strips bridging said channel-shaped portions and engaging said peripheral flanges.

1,628,692. PUMP JACK. ELMER R. THOMAS and PEARLEY E. LANGFITT, Shidler, Okla. Filed Nov. 17, 1925. Serial No. 69,661. 4 Claims. (Cl. 74—5.)



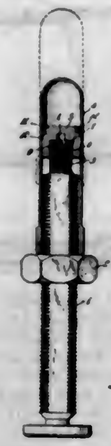
1. In a pump jack, the combination of spaced supporting means, a walking beam having spaced bars above said supporting means, a body fixed between the bars of the walking beam and having portions above and below said bars and against the same and also having a pendent portion disposed between the pivotally connected to the supports, and further having an upstanding portion above the spaced bars, and a truss extending over said upstanding portion and connected with the end portions of the bars.

1,628,693. SLED BRAKE. JOSEPH V. TOBIN, Jr., Wissahickon, Pa. Filed May 10, 1926. Serial No. 108,098. 2 Claims. (Cl. 188—8.)



1. A sled brake, a shaft carried by the sled, a drum eccentrically mounted upon the shaft, a disk members fixed upon the shaft, an operating handle carried by the drum for shifting the latter to an operative position, and means carried by one of the disks and connected with the drum to normally hold the latter in an inoperative position.

1,628,694. DUST CAP. EWALD F. TOBOLD, Cleveland, Ohio, assignor to The Dill Manufacturing Company, a Corporation of Ohio. Filed Aug. 11, 1920. Serial No. 402,845. 2 Claims. (Cl. 152—12.)

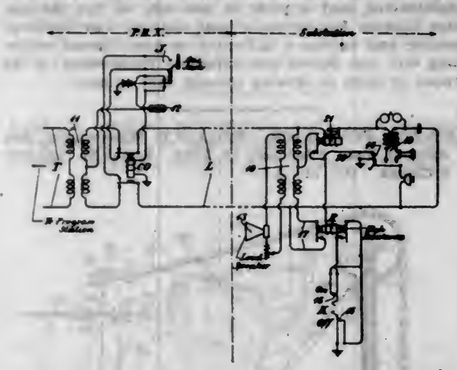


1. A cap comprising a shell portion, a member within the shell portion and having means by which it may be attached to a stem, an expansible element associated with said member, said expansible element and the said member co-operating to cause expansion of the expansible member when the two are relatively turned.

1,628,695. SUBSCRIBER'S EQUIPMENT FOR PROGRAM TRANSMISSION. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 1, 1923. Serial No. 677,993. 4 Claims. (Cl. 179—2.)

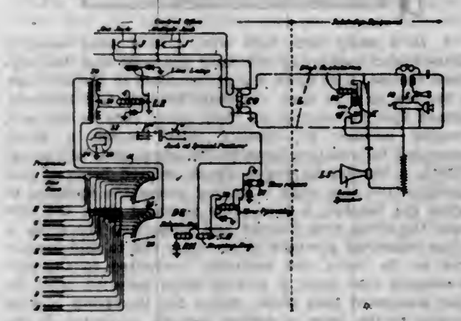
1. In a program system, a subscriber's telephone line, means to connect said telephone line to a program station, switching terminals for said line, a line signal

associated therewith, a low impedance program receiver for said line adapted to be bridged across the line, means to establish a circuit over the two sides of said line in



parallel to operate said line signal, a relay controlling the connection of said program receiver to the line, and means to establish a circuit for said relay over the two sides of the line in parallel.

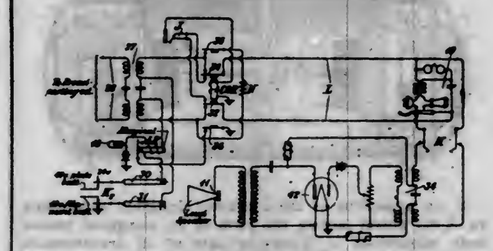
1,628,696. PROGRAM-SELECTING CIRCUITS. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,788. 7 Claims. (Cl. 179—2.)



1. In a wired program system, a subscriber's telephone line terminating in a subscriber's telephone apparatus at the subscriber's station, switching means at the central office whereby a connection may be established between said subscriber's line and another subscriber's line, a plurality of trunks at the central office upon which programs may be impressed, selective switching means independent of said first mentioned switching means at the central office for establishing a connection between said line and any desired trunk, and controlling means at the central office whereby the operator may control the operation of said selective switching means.

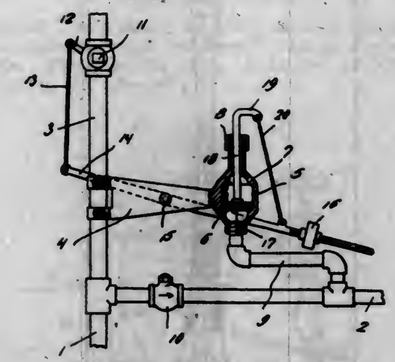
1,628,697. PROGRAM TRANSMISSION OVER WIRES. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Nov. 11, 1922, Serial No. 600,357, Patent No. 1,591,108. Divided and this application filed Jan. 18, 1924. Serial No. 687,100. 7 Claims. (Cl. 179—2.)

1. In a telephone system, a telephone line terminating at a subscriber's station at one end and a central office at the other end, a line relay associated with said line at the central office, a telephone set at said subscriber's station, means to supply the energizing current for the transmitter of said set from the central office through said line relay, switching means at the central office for interconnecting said line with other telephone lines for ordinary telephonic intercommunication, a special receiving arrangement at said subscriber's station for receiving program transmission, a program transmitting station, means to connect said special receiving arrangement and



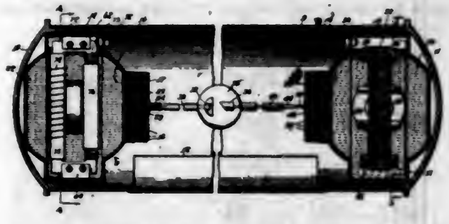
said program station with the line when it is not being used for ordinary telephone purposes, said special receiving arrangement including an amplifier, and means for supplying an energizing current for said amplifier over said telephone line and through said line relay from the central office without operating said line relay.

1,628,698. AUTOMATIC WATER-DISTRIBUTION CONTROL. EARL WALKER, Daykin, Nebr. Filed Apr. 6, 1926. Serial No. 100,122. 1 Claim. (Cl. 137—78.)



Automatic water distribution control means comprising a pipe adapted to be connected with means for supplying water under pressure, a turnable cut out valve in said pipe and having a crank, a pipe connected with the first named pipe at a point between the source of supply and the cut off valve, a non-return valve in said second named pipe and arranged to open in a direction away from the first named pipe, a bracket on and extending laterally from the first named pipe, a piston cylinder carried by said bracket and disposed at right angles thereto and connected at one end to a pipe in connection with the second named pipe at the opposite side of the non-return valve, with reference to the first named pipe, the second named pipe being adapted to lead water under pressure to a pressure tank, a piston in said piston cylinder and having a rod extending through the opposite end thereof, a lever pivotally connected at an intermediate point in its length to the said bracket and arranged alongside the same, a rod connecting one arm of said lever and the crank of the turnable cut off valve, a rod connecting the other arm of said lever and the piston rod, and a weight adjustable on the last named arm of the lever in the direction of the length of the lever.

1,628,699. X-RAY APPARATUS. FREDERICK H. WAPPLER and CHARLES FAYER, Flushing, N. Y., assignors to Wappler Electric Company, Inc., a Corporation of New York. Filed Dec. 7, 1923. Serial No. 679,081. 17 Claims. (Cl. 250—34.)



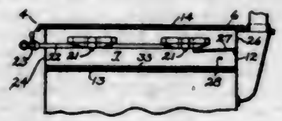
1. An apparatus of the character described comprising an X-ray shield having the form of an elongated hollow body impervious to X-rays, a pair of oil transformers mounted independently of each other within the ends of said X-ray shield and supported thereby, and supporting mechanism connected with said transformers and energized thereby for supporting an X-ray tube in a position intermediate said transformers and within said X-ray shield, said suporting mechanism being in two parts, each carried by one of said transformers.

1,628,700. NECKTIE. HARRY F. WATERS, St. Louis, Mo. Filed Nov. 18, 1925. Serial No. 69,841. 5 Claims. (Cl. 2—146.)



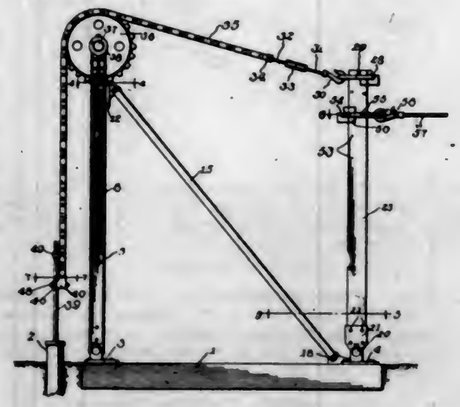
1. A necktie comprising an outer casing, and a liner within said outer casing, said liner comprising layers of fabric of approximately corresponding softness between which layers and amount of elastic material is present to resist wrinkling of the liner.

1,628,701. AIR-DEFLECTING MEANS FOR CLOSED-TOP BURNER CHAMBERS OF GAS STOVES. JOHN C. WEISMAN, Oakland, Calif., assignor to Hammer-Bray Company, Oakland, Calif., a Corporation of California. Filed Sept. 22, 1924. Serial No. 739,008. 4 Claims. (Cl. 126—214.)



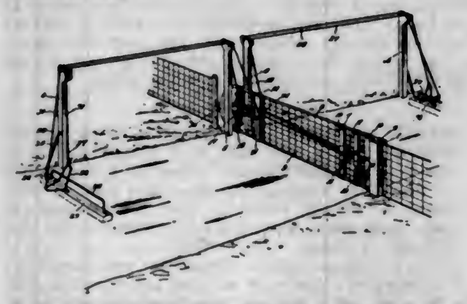
1. In a gas-stove provided with a closed top-burner chamber having a fresh air inlet opening adjacent the front and bottom thereof and a discharge opening adjacent the top and rear thereof, front and rear burners in said chamber spaced from the top and bottom thereof, the front major portion of the chamber being entirely unobstructed, and a plate at the rear of the chamber lying between the bottom of said chamber and discharge opening and having a deflecting portion thereof underlying said rear burner and extending transversely of the stream of fresh air flowing through said chamber.

1,628,702. PUMP JACK. WILLIAM E. WENTWORTH, San Antonio, Tex. Filed July 13, 1926. Serial No. 122,223. 4 Claims. (Cl. 74—5.)



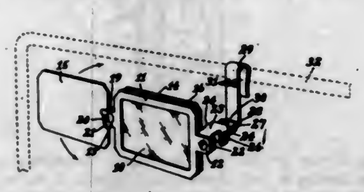
1. In a pump jack, base sills, a base plate mounted thereon and connecting the same near one end, bearings upon the said base plate, a shaft mounted in the bearings, a bearing member upon the shaft between said bearings, spaced uprights secured at their lower ends to the said bearing member at opposite sides thereof, a wheel journaled for rotation between the upper ends of the uprights, a bracket having a shank secured between said uprights and side arms extending across the uprights to brace the bracket, a base plate mounted upon the sills near the other ends thereof and connecting the same, a brace connected pivotally at its upper end to said bracket and at its lower end separably connected to the last mentioned base plate, a rocking beam mounted upon the last mentioned base plate, means for imparting rocking motion to the beam, a flexible element connected to the beam and passed over the said wheel, and means carried by the flexible element for connection to a pump rod.

1,628,703. GATE. CHARLES G. WHITE, Sault Ste. Marie, Mich. Filed Dec. 4, 1925. Serial No. 73,230. 1 Claim. (Cl. 39—44.)



The combination of a pair of supporting posts, a gate having one end arranged between and extending rearwardly beyond said posts supporting bodies secured to the sides of the gate and pivotally supported by said posts, a counterbalance secured about the extended end of the gate and about portions of the supporting bodies, and operating cables attached to the gate and the said supporting bodies in right angular relation to the bodies and extending upwardly and over the posts and provided beyond the posts with operating means.

1,628,704. SIGHT REFLECTOR AND GLARESHIELD. CHARLES ZARTMAN, Los Angeles, Calif. Filed Oct. 31, 1925. Serial No. 65,950. 1 Claim. (Cl. 296—97.)



A combined sight reflector and glare shield comprising a mirror fixed in a frame having opposite end lugs thereon and a slot in the back thereof; a translucent plate pivotally attached to one of said end lugs so that it may be swung into said slot or may be extended and fixed at any desired angle to said mirror; a jointed bracket pivotally attached to the other of said end lugs, and a suspending hook pivotally attached to said bracket, said hook being adapted to slip over the top rail of a windshield and said bracket forming a universal joint between said mirror frame and said hook, whereby said mirror may be swung about one horizontal axis to either side of the hook, may be tipped about another horisontal axis to adjust for vertical reflection or may be turned about a vertical axis to adjust for lateral reflection.

1,628,705. METHOD OF GLAZING AND GLAZING STRIP. SAMUEL B. ZIMMER, Los Angles, Calif., assignor, by direct and mesne assignments, of ten per cent to Edward C. Eddie, Los Angeles, Calif., and ninety per cent to Paul B. Tichenor, Salt Lake City, Utah. Filed July 22, 1925. Serial No. 45,216. 9 Claims. (Cl. 189—78.)



1. The method of glazing, comprising partially filling channel-shaped glazing strips with a soft glazing composition, pressing said strips slightly on the peripheral edges of a pane of glass, positioning the pane with the strips on a sash to be glazed, firmly pressing the strips towards the glass to force the glazing composition from the base of the strips around the sides of the glass and clamping the strips and hence the glass to the sash.

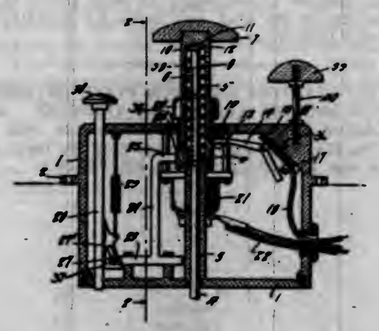
1,628,706. TRAFFIC SIGNAL. LIONEL FREDERICK BARNES, Windsor, Canada. Filed June 21, 1926. Serial No. 117,567. 7 Claims. (Cl. 116—63.)

6. A traffic signal comprising a casing located at the street intersection and having a central opening in the top thereof, a tubular standard extending upward from around such opening, a vertical shaft mounted in vertical bearings and extending upward from the aforesaid casing through the tubular standard, traffic indicating arms carried by the upper end of the shaft and carrying alternating "Go" and "Stop" signs, means for imparting a vertical upward movement to the shaft adapted to release the shaft at the end of its upward movement to drop by gravity, means for cushioning the fall of the shaft, and



means for imparting a step by step circumferential movement to the arms carried by the shaft by such up and down movement of the shaft.

1,628,707. UNIVERSAL TRAFFIC MOTOR CONTROL. CLARENCE L. BEVAN and JESSE R. CULLEN, Platteville, Wis. Filed Apr. 22, 1926. Serial No. 103,989. 9 Claims. (Cl. 123—198.)

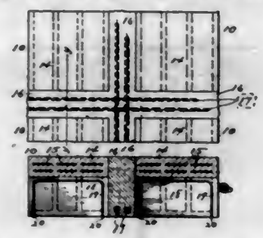


1. A universal traffic motor control, comprising a casing, a hollow plunger slidably mounted in the casing, a throttle rod having its upper end spaced from but engageable by the plunger rod when the latter is operated, an ignition switch operatively connected with the plunger rod, automatic means for holding the plunger in operative position after it has been operated, a plunger operated device operatively connected with said means for withdrawing same from engagement with the plunger, and a foot rest.

1,628,708. COMBINED TILE AND CONCRETE FLOOR CONSTRUCTION. GEORGE H. BUGENHAGEN. Minot, N. Dak. Filed Dec. 12, 1924. Serial No. 755,461. 2 Claims. (Cl. 72—66.)

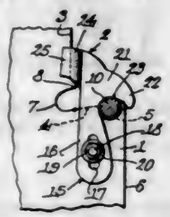
2. A combined tile and concrete floor construction comprising a plurality of hollow tiles arranged in spaced relation, closures for the ends of the tiles, and clips for holding said closure members in position comprising wires

bent U shape for engaging the closure members and having portions adapted to engage the under surfaces of said blocks for exerting pressure on said closure members,



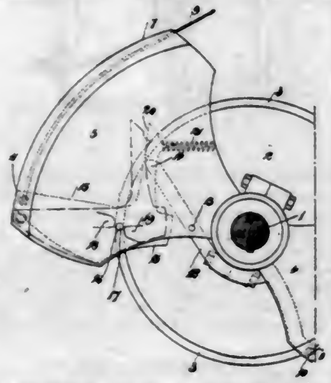
and concrete filling the spaces between the tiles and engaging the ends of the top portions of the tiles above said closures.

1,628,709. LOOM-BEAM LOCK. OLIVER N. DAWSON, Rock Hill, S. C. Filed Jan. 7, 1927. Serial No. 159,668. 3 Claims. (Cl. 308—24.)



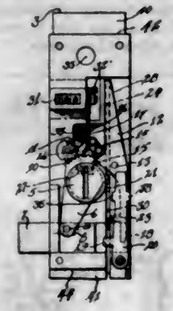
1. In a beam lock for looms, a keeper including a shank provided with an arm and with a wing that projects from the shank in opposite directions, the shank having a shoulder disposed approximately at right angles to the inner surface of the wing, and means for mounting the shank on a loom frame.

1,628,710. STARTING GEAR FOR FIXED EXPLOSIVE MOTOR ENGINES AND MOTOR VEHICLES. AIMÉ DE CHANOY, Epinay, France. Filed July 24, 1923, Serial No. 653,599½, and in France July 25, 1922. Renewed Apr. 5, 1927. 2 Claims. (Cl. 74—53.)



1. In a mechanical starter for explosive engines, having a shaft, a flanged hub plate carried on the shaft, a lever mounted on the hub plate and having a concentric portion and an eccentric portion, a feeder pivotally supported on the eccentric portion and having lugs to bear on the opposite sides of the flange of the hub plate and to grip said flange in the operation of the feeder, and a releasing finger to release the feeder at will.

1,628,711. COIN-CONTROLLED LOCK. WILLIAM J. DORKIN, Chicago, Ill. Filed Dec. 21, 1925. Serial No. 76,859. 5 Claims. (Cl. 194—92.)



1. A device of the type described comprising a body portion having a coin passageway therein, a key-actuated cylinder, means for stopping the movement of said cylinder when no coin is inserted in the device, and means operatively connecting said cylinder with said stop means for causing said stop to engage said cylinder when said cylinder is turned without inserting a coin, said connecting means being arranged to close the coin entrance when the key has been removed.

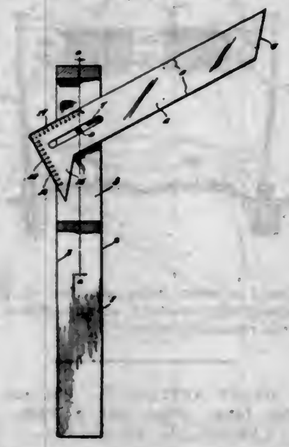
1,628,712. PERMUTATION LOCK. FRANK DE CURTIS, Medford, Mass. Filed Oct. 23, 1925. Serial No. 64,344. 3 Claims. (Cl. 70—18.)

1. A permutation lock comprising a casing, a slide movable in a predetermined path in the casing, and composed of spaced apart arms and a connecting neck, one of said arms having a plurality of studs, and the other an elongated ear, a bolt fixed to said neck and movable in a slot in the casing, an internally threaded sleeve journaled in a bearing on the casing, an externally threaded spindle engaged with said sleeve, and having oppositely projecting tappet arms, one adapted to cooperate with said studs in retracting the bolt, and the other adapted to engage said elongated ear and project the bolt, said spindle being longitudinally adjustable by the sleeve, and a stop within the casing against which one of said tappet arms is yieldingly held, the arrangement being such that one of the tappet arms is adapted to engage said studs successively, to retract the bolt step-by-step when the spindle is turned in one direction, the other tappet arm being engageable with said elongated ear by a reverse turning of the spindle, to project the bolt, the lock comprising also registering means, including a click spring on said casing, and a stud on said sleeve adapted to cooperate with said spring in giving an audible signal.

1,628,713. BEVEL. WILLIAM H. EBERT and ALBERT G. EBERT, Buffalo, N. Y. Filed Dec. 29, 1924. Serial No. 758,737. 1 Claim. (Cl. 33—94.)

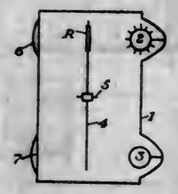
A tool of the character described comprising a stock having one end portion formed with a slot closed at its ends and opening through opposite side edges of the stock, a blade having an end portion extending transversely through the slot of the stock and formed with a

longitudinally extending slot, the said end portion of the blade having a side extension projecting transversely therefrom with one edge forming a continuation of the end edge of the blade, there being calibrations along the blade adjacent the side edge thereof opposite its side ex-



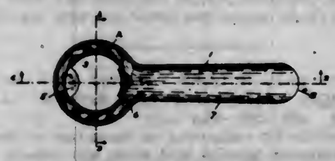
tension and other calibrations across the adjacent end of the blade and a portion of the side extension, and an adjustable fastener passing through the slots of the stock and blade and adapted to releasably secure the blade in an angularly adjusted position.

1,628,714. ILLUMINATED RAILWAY SIGNAL. COURTENAY HAROLD WISH EDMONDS, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 24, 1925, Serial No. 11,050, and in Great Britain Mar. 13, 1924. 5 Claims. (Cl. 246—484.)



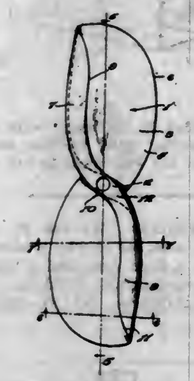
4. A railway light signal comprising primary and secondary light producing means, and a movable spectacle having two series of color screens co-operating with said light producing means to produce single or double light signal indications.

1,628,715. BOTTLE-CAP REMOVER. FREDERICK S. ENKLER and GEORGE W. BAIRD, Poughkeepsie, N. Y. Filed Sept. 27, 1926. Serial No. 138,090. 1 Claim. (Cl. 65—46.)



A bottle cap remover of the class described, comprising in combination with a handle member U-shaped in cross section, of a ring portion also U-shaped in cross section and integral with said handle member, and adapted to embrace the periphery of the cap, a pressing lug formed on the upper part of said ring portion and adapted to engage the top edge of the cap, and a lifting lug formed on the lower part of said ring and adapted to engage the lower edge of the cap at a point opposite the pressing lug for the purpose of lifting said cap when said handle is pressed upward.

1,628,716. AERIAL PROPELLER. JOSEPH FISCHER, Faith, S. Dak. Filed Aug. 28, 1925. Serial No. 53,155. 3 Claims. (Cl. 170—159.)



1. An aerial propeller comprising oppositely extending blades and an intermediate hub portion, each blade having an air-compacting pocket extending the full length of the trailing edge portion thereof and including a wall confronting the forward face of the blade, the said wall, from a point near the outer end of the pocket being gradually decreased in depth in the direction of the said end of the pocket.

1,628,717. RUBBER BALL. JOHN B. FLOWERS, Brooklawn, N. J. Filed Jan. 17, 1924. Serial No. 686,711. 3 Claims. (Cl. 46—46.)

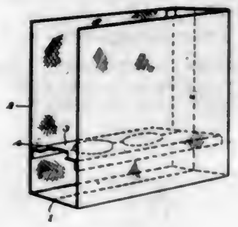


1. A toy comprising a ball of sponge rubber having a recess extending partway to its center, a metal plate of greater diameter than the recess embedded in the ball and forming the bottom of the recess, and a bell disposed in the recess and secured to the plate.

1,628,718. ICE-CREAM-CONE WRAPPER AND CARRIER. CARL E. FRITZSCHE, Fort Fairfield, Me. Filed Aug. 4, 1926. Serial No. 127,071. 1 Claim. (Cl. 229—6.)

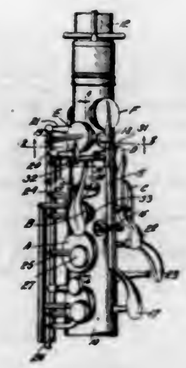
A combined wrapper and carrier for ice cream cones, the same consisting of an elongated flat bottom, and enclosing walls, the bottom being foldable upwardly and the end walls foldable inwardly, and a partition having

its ends terminating short of the end walls of the wrapper to provide for the inward folding of said walls and attached along its marginal edges to the side walls of the



wrapper, and provided in its length with cone receiving openings, said partition being foldable intermediate its edges to lie between the side walls of the wrapper.

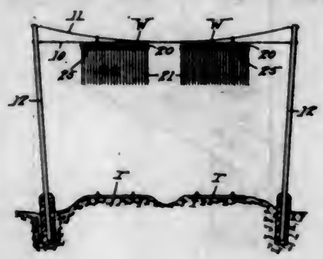
1,628,719. SAXOPHONE. WALTER F. GEMEINHARDT, New York, N. Y., assignor to The Woodwind Company, New York, N. Y., a Firm composed of Eugene Bercieux and Walter F. Gemeinhardt. Filed Oct. 16, 1925. Serial No. 62,795. 2 Claims. (Cl. 84—385.)



2. In a saxophone, in combination, a horn, a pair of normally closed valves in laterally offset relationship, a pair of normally open valves, extension lugs carried by each of the normally closed valves, means for operating each of the valves independently, and additional means for operating said valves simultaneously, said additional means comprising a lever pivotally mounted on the horn between the two pairs of valves, said lever having a transverse arm at one of its ends underlying the extension lugs of both of the normally closed valves, the opposite end of the lever being widened to form a finger-key, and the inner surface of said finger-key being provided with a cushioning member for engaging both of the normally open valves.

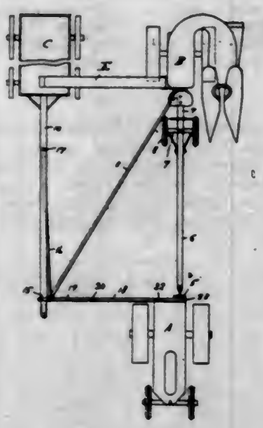
1,628,720. BRIDGE-WARNING DEVICE. FRANK H. Gilligan, Worcester, Mass. Filed Jan. 18, 1927. Serial No. 161,907. 5 Claims. (Cl. 246—486.)

2. A bridge warning device comprising a supporting bar, a plurality of depending tickler wires pivotally secured to said bar, each of said wires having an eye formed therein and spaced below its point of pivotal connection, and a positioning member extending through all of said eyes and held from longitudinal displacement



therefrom, said member being effective to prevent substantial angular displacement of any tickler wire with respect to the remaining wires.

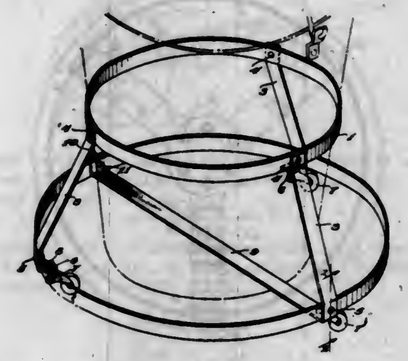
1,628,721. DRAFT APPLIANCE. WILLIAM HAGEDORN, Sutherland, Iowa. Filed July 9, 1926. Serial No. 121,389. 2 Claims. (Cl. 280—33.44.)



1. A draft appliance of the class described; wherein a tractor is utilized for pulling a corn picker and a wagon for receiving corn therefrom; comprising a bracket attached to the stub tongue of the corn picker, a bar engaged with the bracket and extending forwardly to one side, a guide rod formed in pivotally associated sections, one section being rigidly engaged with the tractor, a rod engaged at one end with an intermediate portion of the tongue of the wagon, a clamp on the tongue of the wagon, means for pivotally engaging the other section of the guide rod, the other end of the push bar, and the forward end of the second mentioned rod with the clamp.

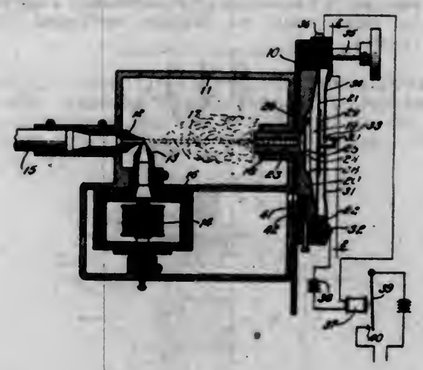
1,628,722. PAIL HOLDER. WALTER W. HAERTEL, Detroit, Mich. Filed Dec. 1, 1925. Serial No. 72,612. 2 Claims. (Cl. 280—61.)

1. A pail holder comprising an upper ring, a lower ring, struts extending between said rings and secured against the outer faces thereof and serving to support the upper ring, said struts having their lower end portions extending beneath said lower ring in engagement with its lower edge and projecting inwardly therefrom, and casters carried by the inwardly extending ends of said struts, the inwardly extending lower end portion of one of said struts being of a length to extend beneath said upper ring



and braced from the lower ring against downward movement and adapted to engage the bottom of a pail inserted through the upper ring and support the pail.

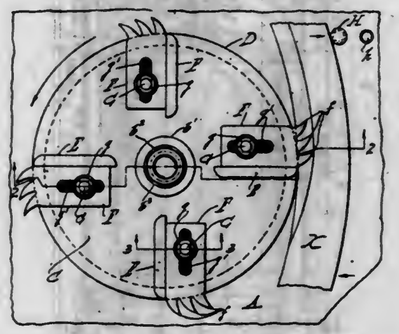
1,628,723. RELAY. RAY E. HALL, Rock Island, Ill., assignor to Hall Research Corporation, Chicago, Ill., a Corporation of Delaware. Filed May 31, 1922. Serial No. 564,981. 12 Claims. (Cl. 200—81.)



1. The combination of means to produce a jet of fluid, means to impress vibrations on said jet to make it assume varying phases, a resilient medium adapted to move it one direction when acted upon by the jet and to react in the opposite direction when the action of the jet is abated, and fluid vent means to adjust the reaction of said resilient medium.

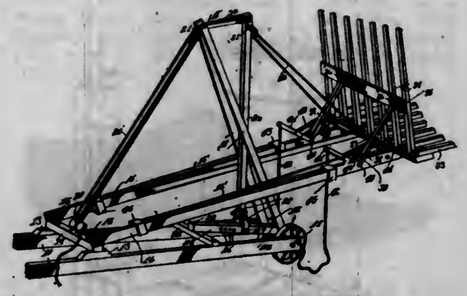
1,628,724. WOODWORKING MACHINE. FRANK HOFFMAN, Buffalo, N. Y. Filed Sept. 23, 1925. Serial No. 58,078. 2 Claims. (Cl. 144—235.)

1. A cutter head for shaper machines having a radially extending face portion, an annular peripheral flange extending around said face portion, a plurality of ribs extending upwardly from said face portion and forming stops, saw toothed cutters adapted to be secured to said face portion and arranged against said stops with their saw toothed portions projecting beyond said flange, and adjustable securing means for holding said cutters against said stops and for positioning said cutters for



determining the depth of the cut to be made by the extent to which said cutters project beyond said flange, said flange forming a smooth, continuous guiding surface against which the work to be cut is pressed.

1,628,725. STACKER. PETER B. JOHNSON, Fremont, Nebr. Filed Sept. 10, 1925. Serial No. 55,514. Renewed Dec. 3, 1926. 6 Claims. (Cl. 214—140.)

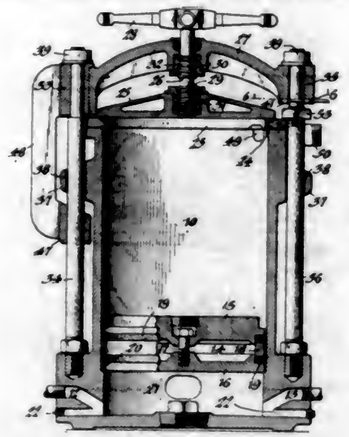


1. A stacker including a supporting frame, a swingable frame on the supporting frame having a movable load gathering and dumping portion, means between the dumping portion and the swingable frame for retaining said portion in load supporting position, and connections between said means and the supporting frame whereby to release said means and permit said portion to dump its load upon movement of the swingable frame to predetermined position.

1,628,726. SAUSAGE STUFFER. EUGENE W. KNOWLTON, Buffalo, N. Y., assignor to John E. Smith's Sons Company, Buffalo, N. Y., a Corporation of New York. Filed Aug. 10, 1925. Serial No. 49,223. 8 Claims. (Cl. 17—39.)

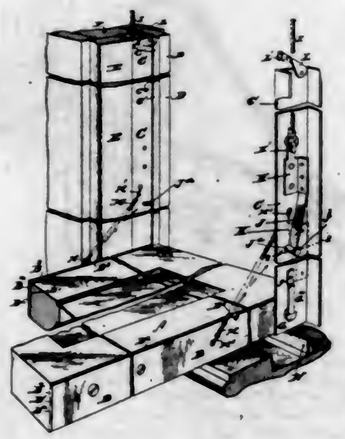
1. A sausage stuffer, comprising a cylinder open at its upper end, a cover for said end, a piston in the cylinder, safety-rods rising from the base of the cylinder, a yoke

carrying said cover and connected to the upper ends of said rods, said yoke being mounted to swing laterally on



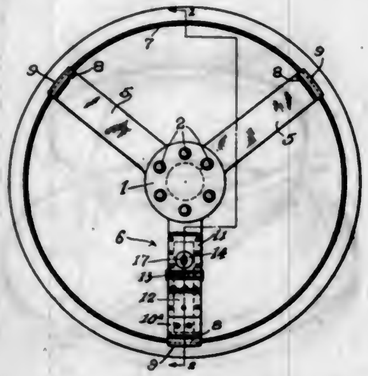
one of said rods and its pivotal end having upper and lower hubs journaled on the corresponding safety-rod, and a brace connecting said hubs.

1,628,727. VERTICALLY-SLIDABLE INWARDLY-SWINGING WINDOW. JOHN G. KRAMER, Detroit, Mich., assignor to Carnahan-Byrne Machinery Company, Inc., Detroit, Mich., a Corporation of Michigan. Filed Sept. 29, 1926. Serial No. 138,382. 7 Claims. (Cl. 20—40.)



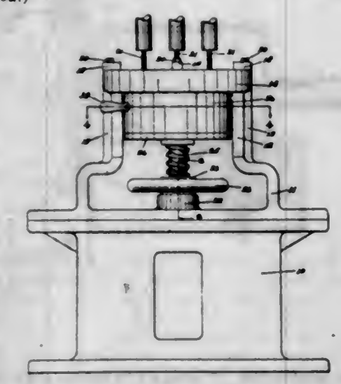
1. In a device of the class described, a pair of vertically movable channel members; a vertically slidable sash; a pair of metal strips secured to the edges of the sash respectively provided with an aperture at the lower end to receive the ends of pivot pins supported in the walls of the channel members; springs secured to the channel members adapted to bear upon the pivot pins to yieldingly maintain them in engagement with the strips secured to the sash, whereby the sash may be removed upon manually forcing the pins out of engagement with the strips attached to the sash.

1,628,728. SPARE-TIRE CARRIER. EDWARD J. LATTIN, Canton, Ohio. Filed July 9, 1926. Serial No. 121,335. 2 Claims. (Cl. 224—29.)



1. In a spare tire carrier, a central hub, a plurality of radial arms connected to the hub and adapted to support a tire and rim, one of said arms having its intermediate portion offset rearwardly and this arm being formed of sections hinged together at the offset portion of the arm, an extension on one of said sections overlying the other section, a lock casing carried by one arm section, and a latch pin to be received therein, carried by the other section.

1,628,729. WORK-HOLDING DEVICE FOR MULTIPLE-SPINDLE DRILLS. HERBERT V. LUDWICK, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,535. 12 Claims. (Cl. 77—62.)

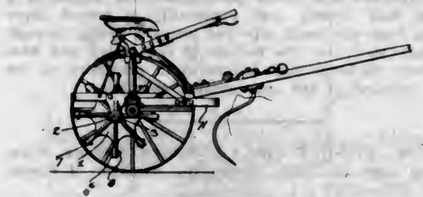


10. In a device of the class described, in combination, a fixed support, a work-holder movably mounted on said support, a gate forming part of said work-holder for securing the work therein, and means for preventing opening movement of said gate, said means being rendered operative and inoperative through relative movement of the work holder and the support.

1,628,730. STALK CUTTER. JOHN A. MCKAY and PATRICK H. LYNCH, Dunn, N. C., assignors to The John A. McKay Manufacturing Company, Inc., Dunn, N. C., a Corporation of North Carolina. Filed Mar. 1, 1926. Serial No. 91,414. 2 Claims. (Cl. 55—61.)

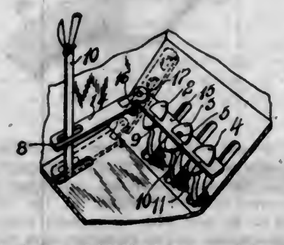
1. A cutting reel for stalk cutters including supporting means having oppositely disposed spiders, said spiders

having grooves on the inner faces thereof, a partition held in said grooves and extending across between the spiders, and cutting blades carried by the spiders, at



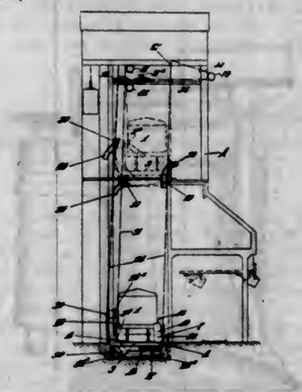
least two of said cutting blades being located in alignment with the partition and removably holding said partition in place.

1,628,731. LEVER LOCK. ALEXANDER MEEK, Spokane, Wash. Filed Apr. 8, 1924. Serial No. 705,049. 1 Claim. (Cl. 70—126.)



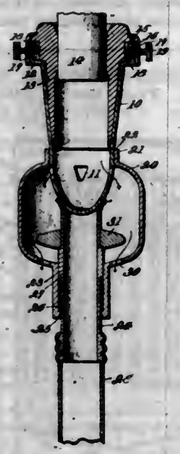
In a lever lock a foldable bar comprising two slotted arms to embrace a lever and pedals, said arms being connected by a pair of hinge joints, the axis of each being perpendicular to the plane of the other, and means in connection with one of said arms for preventing removal of the device from the pedals.

1,628,732. UNLOADING APPARATUS FOR RAILWAY CARS. FREDERICK GILBERT MITCHELL, London, England. Filed Oct. 21, 1926, Serial No. 143,246, and in Great Britain Apr. 23, 1925. 12 Claims. (Cl. 214—123.)



1. An apparatus for unloading railway cars comprising in combination, a platform on which a car is carried, a support for said platform, disengageable bearings arranged between said platform and said support at angles oblique to the axis of the former and means whereby said platform with the car thereon may be hoisted at either end selectively to tilt about the axis of one of said bearings in release from the other.

1,628,733. FAUCET-BULB CONNECTION. CALLIE E. MORRIS, Brooklyn, N. Y. Filed Jan. 28, 1927. Serial No. 164,287. 4 Claims. (Cl. 137—111.)



1. The combination of a housing for connection with a spigot having a closed lower end and lateral discharge openings, a receiving chamber mounted upon the housing and provided with outlet openings in the base thereof, a pipe slidably mounted within the receiving chamber through which liquid in the receiving chamber may be discharged, a valve carried by said pipe for closing the outlet openings of the receiving chamber, said pipe adapted to be projected into the receiving chamber and into engagement with the lower end of the housing for preventing the ingress of liquid to the pipe and for unseating the valve carried thereby.

1,628,734. SHOE-DISPLAY FORM. WALTER L. C. NILES, Saugus, Mass., assignor to Excel Shoe Form Company, Lynn, Mass., a Corporation of Massachusetts. Filed Sept. 12, 1925. Serial No. 55,926. 3 Claims. (Cl. 12—128.)



1. A shoe form comprising a base or body of proper shape, and a covering of textile material permanently attached to the exterior surface of said base or body, said textile material having a thin outer coating of a solidified waterproof substance.

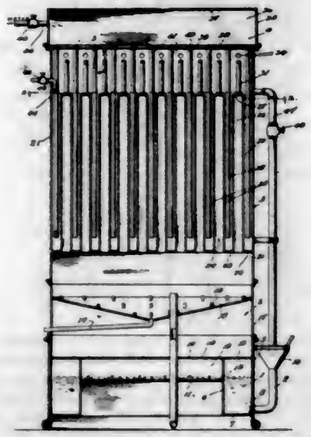
1,628,735. SEPARABLE CUFF BUTTON. MORRIS O. NORSE, Newark, N. J. Filed Sept. 24, 1926. Serial No. 137,429. 3 Claims. (Cl. 24—110.)



1. A separable cuff button comprising a pair of inwardly converging members having level fixed and movable flat faces respectively, means for retaining said

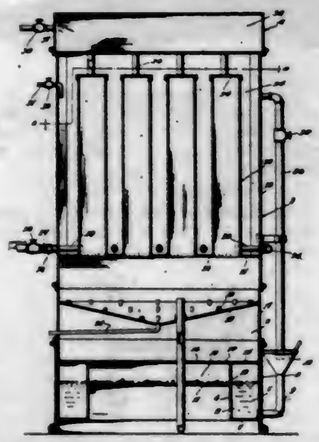
movable face normally extending uniformly with the fixed face, cooperative resilient finger means to cause positive interengagement of said members whereby they are held inseparable, and means actuated by depression of said movable face to release said engaging means.

1,628,736. CONDENSER FOR STILLS. ERNON V. OLIVER, Portland, Oreg. Filed Mar. 5, 1925. Serial No. 13,282. 5 Claims. (Cl. 257—30.)



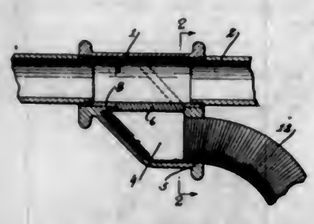
1. In distilling apparatus, a casing having a bottom provided with inlet passages for vapors from a generator, a horizontal wall in the casing, a plurality of spaced condensation chambers having open lower ends supported upon and opening through the partition wall within the casing, to receive said vapors, the spaces between the said chambers constituting cooling-water chambers open at their tops, a reservoir at the upper portion of the casing having a bottom closing the top of the casing, a plurality of distributing pipes extending downwardly from the bottom of the reservoir and into the cooling-water chambers, and an overflow leading from the casing at a level above the open tops of the said cooling-water chambers.

1,628,737. CONDENSER FOR STILLS. ERNON V. OLIVER, Portland, Oreg. Filed Mar. 5, 1925. Serial No. 13,283. 4 Claims. (Cl. 257—30.)



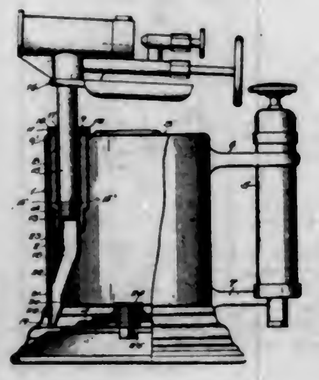
1. In a distilling apparatus, a condenser casing having a body wall and a bottom, the latter provided with openings, a plurality of upright condensation chambers arranged within the casing upon the bottom thereof within said openings, the said chambers being closed at their tops and open at their bottoms to receive the vapors to be condensed, a trunk pipe, means for supplying a cooling fluid thereto, and a plurality of branch pipes leading from the trunk pipe and into the casing through the body wall near the bottom of the casing and having their discharge ends presented in proximity to the lower portions of the condensation chambers.

1,628,738. CUT-OUT. IRVIN J. OLNESS, Kragnes, Minn. Filed Aug. 23, 1923. Serial No. 658,876. 1 Claim. (Cl. 251—10.)



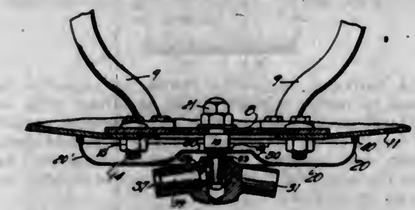
A muffler cut-out valve structure comprising a chamber forming part of the exhaust pipe and provided at its sides with an opening, a cut-out extension casing detachably secured to said chamber at the side thereof and provided at its side with an opening which registers with the side opening of the chamber, said chamber and extension casing being of the same length, a pivoted valve mounted in bearings formed partially in the chamber and partially in the extension, said valve being of a transverse thickness equal to the combined transverse thickness of the opposed walls of the chamber and the extension and adapted to fit in both of said openings and completely fill both of them.

1,628,739. PLUMBER'S BLOWTORCH. WILLIAM F. PAGEL, Sycamore, Ill. Filed Aug. 4, 1923. Serial No. 655,625. 7 Claims. (Cl. 158—33.)



1. In a plumber's blow torch a sheet metal reservoir, a burner arranged above the reservoir, a support tube having its upper end secured in the top wall of the reservoir and projecting down into the reservoir, a fuel feed tube having its lower end mounted in the lower end of the support tube and the feed tube extending freely up through the support tube to the burner.

1,628,740. LOCKING DEVICE. JAMES F. RALEIGH, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 9, 1925. Serial No. 1,444. 16 Claims. (Cl. 70—90.)



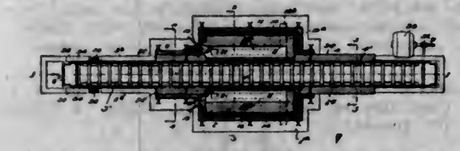
12. In a locking device of the class described, the combination of a mounting member having a thread thereon, a retaining member screwing over said mounting member, and locking mechanism limiting the longitudinal separating motion between said members.

1,628,741. ADJUSTABLE PIN GAUGE. PARK D. RITCHEY, Poughkeepsie, and ROYAL A. HOLT, Wappingers Falls, N. Y., assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y., a Corporation of New York. Filed Oct. 4, 1926. Serial No. 139,566. 2 Claims. (Cl. 33—163.)



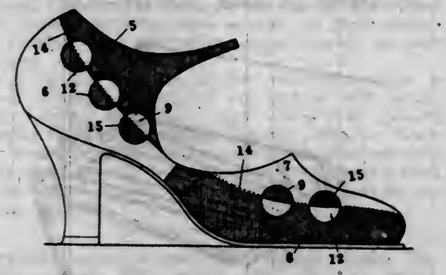
1. In a pin gauge of the class described, comprising tubular metallic body portion having internal threads at one end, a pair of metallic end pieces, formed with hardened, ground and lapped contact surfaces, each of said end pieces formed with a collar and a shank, one of said shanks formed with threads coacting with said internal threads, a threaded locking ring mounted on said shank and adapted to act as a jam nut against the end of said body portion, the abutting edges of said locking ring and said body portion formed with cut out portions adapted to register with each other to form a recess for the purpose of receiving a sealing compound.

1,628,742. APPARATUS FOR TREATING ARTICLES. HARRY M. ROBERTSON, Lakewood, Ohio. Filed May 2, 1925. Serial No. 27,616. 11 Claims. (Cl. 263—42.)



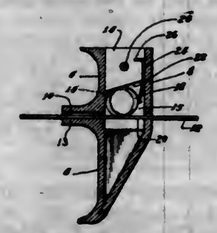
8. In apparatus of the class described, the combination with a bed and outer walls, of a pair of inner walls on said bed spaced to form a passage between them, a horizontal wall between each outer wall and the adjacent inner wall to form a main combustion chamber extending from end to end of said passage, a roof member extending between said inner walls and co-operating therewith to form a closed passage, a roof member extending between said outer walls and forming with said first mentioned roof member a separate combustion chamber common to both said combustion chambers and superposed above said treating passage, each said horizontal wall being formed near one end with an opening through which the products of combustion pass to said separate combustion chamber and the latter being formed with a discharge port, a heating means at the end of each main combustion chamber opposite to the outlet opening therefrom, and means for conveying bodies to be treated through said passage.

1,628,743. SHOE. ARTHUR M. ROHRER Kirkwood, Mo., assignor to The Moore Shoe Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 25, 1926. Serial No. 90,436. 4 Claims. (Cl. 41—10.)



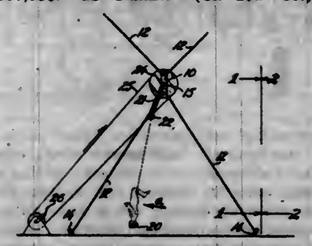
1. A shoe having an upper comprising two adjacent parts, one of said parts being provided with a tab overlapping the other part, a slit in said tab, a tab on said second named part passing upwardly through said slit and overlapping said first named part whereby said tabs cooperate to form an ornamental design on the shoe, a row of stitching securing said parts together, and a second row of stitching holding said tabs in position.

1,628,744. FISH-TAPE PULLER. WILLIAM ROSE, Chicago, Ill., assignor to Mathias Klein & Sons, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 21, 1927. Serial No. 169,810. 3 Claims. (Cl. 24—136.)



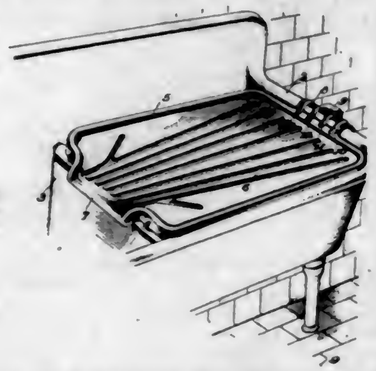
1. In a device of the class described, the combination of a hollow body member, said member being transversely slotted, a block fitting within said body member and having a transverse slot with converging sides, one edge of said slot being in register with the transverse slot of said body, a disc having its cylindrical surface serrated and being freely movable within said last named slot, and resilient means tending to hold said disc in the narrower portion thereof.

1,628,745. AMUSEMENT APPARATUS. GEORGE H. RUMER, Denver, Colo. Filed Dec. 18, 1922. Serial No. 607,533. 13 Claims. (Cl. 272—60.)



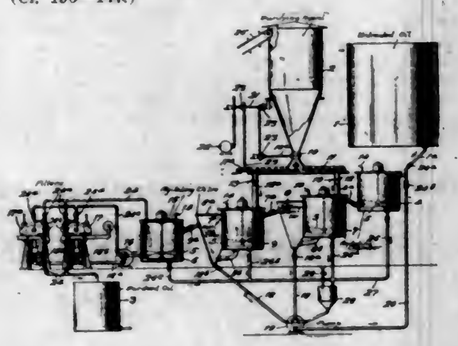
1. Amusement apparatus having an axle, a trapeze having a bar adapted to swing about said axle, a propelling device rotatable about said axle to propel the trapeze over said axle, and an obstruction adapted to be automatically disposed in the path of the trapeze to stop a performer on the trapeze.

1,628,746. COMBINATION DRAIN BOARD AND COVER. JOHN W. RUSSEL, Columbia, Pa., assignor of one-half to Marietta Hollow Ware and Enameling Company, Marietta, Pa. Filed June 22, 1926. Serial No. 117,795. 2 Claims. (Cl. 141—11.)



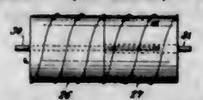
1. A combination drain board and cover for use with a combination laundry tray and sink comprising a one piece metal body having one end adapted to engage a partition of the combination laundry tray and sink and having an upwardly and outwardly curved extension defining a hanger at its opposite end designed to snugly engage the rounded outside wall of the combination laundry tray and sink for the major portion of the extent of the hanger, the central portion of the hanger being struck-up providing a pocket between the hanger and the rounded upper edge of the outside wall of the combination laundry tray and sink permitting the fingers to be introduced under the hanger, the upwardly struck central section of the hanger constituting a hand grip, facilitating application and removal of the combination, cover and drain board.

1,628,747. CONTINUOUS PROCESS OF TREATING OILS. ORANGE J. SALISBURY, Salt Lake City, Utah. Filed Apr. 11, 1924. Serial No. 705,763. 6 Claims. (Cl. 196—147.)



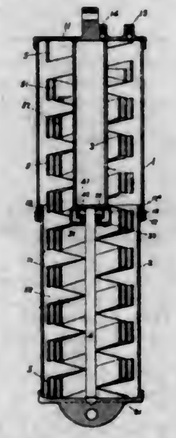
1. The process of treating oil or other liquid for the purpose of bleaching or refining the same, which comprises flowing the liquid into a chamber, adding partially spent treating material thereto and mixing the liquid and treating material, flowing the mixture into another chamber, adding fresh treating material, agitating the mixture and continuously circulating a portion of the mixture between said chamber and another chamber where a portion of the treating material is separated from the liquid and returned to the initial treating chamber, while the remaining mixture is passed on to a filtering means and filtered to separate the liquid from the impurities and remaining treating material.

1,628,748. CULTIVATOR. FREDRIK B. SALVESEN, Brooklyn, N. Y. Filed Mar. 8, 1926. Serial No. 93,085. 2 Claims. (Cl. 55—6.)



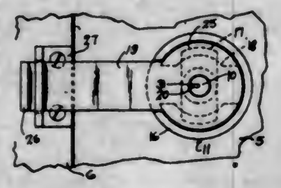
1. A cultivator, as described, having an extensible axle adapted to receive a plurality of cylindrical drum sections, said sections having their outer surfaces provided with deeply cut spiral ridges wound in a screw-threaded manner, and adapted to be reversely connected, and means for combining said sections into one integral unit mounted on said axle.

1,628,749. SPRING AND RECOIL CHECK. ALFRED S. SAMUELS, Saugus, Mass. Filed June 10, 1925. Serial No. 36,224. 5 Claims. (Cl. 267—34.)



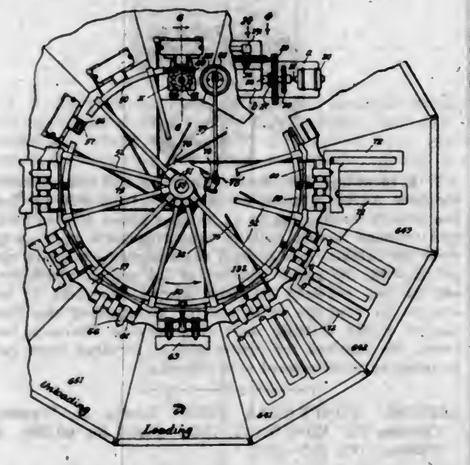
1. In a compound vehicle spring, a telescoping casing, having an air-tight packing at the telescope joint; a plurality of nested coiled springs of differing lengths secured within the casing, to give a successively increasing resistance to telescoping of the casing; an outwardly opening check valve in the walls of the casing; an inner air pump chamber secured to a head of one of the telescoping elements; a piston and rod secured to the other head, the piston working in the pump chamber; an inlet valve at the free end of the pump chamber; an outlet valve at the other end of the pump chamber.

1,628,750. LOCK. MORRIS SHEINMAN, New York, N. Y. Filed July 16, 1925. Serial No. 43,922. 4 Claims. (Cl. 70—46.)



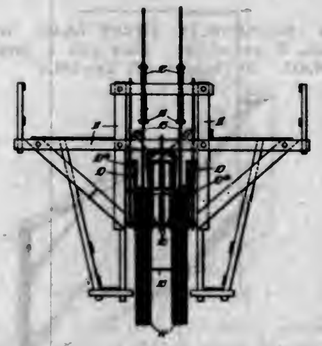
1. A lock arrangement for doors consisting of a latch lock adapted to be positioned on one side of the door, and a bar lock at the opposite side of the door, said bar lock comprising a receptacle, a lock lever therein, a separable bar adapted at one end to engage said lock lever and at its other end to engage a keeper plate, and means for locking said lock lever, said means being also operable to lock the latch on the opposite side of the door.

1,628,751. APPARATUS FOR FORMING METAL ELEMENTS. REUBEN STANLEY SMITH, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,877. 8 Claims. (Cl. 29—33.)



1. In a mechanism for operating upon metal elements, a receiving station, a discharging station, a revolving turret provided with devices operating in planes transverse to that of the rotation of the turret and adapted to hold a succession of blanks, automatic means for operating the said devices in succession to receive and clamp the blanks at the receiving station and hold them during the rotation of the turret, and automatic means for operating the said devices to release the blanks at the discharging station in like succession upon completion of such rotation, in combination with means for rotating the turret, and a plurality of machines grouped about the turret and adapted to perform different operations successively upon the blanks as presented thereto by the turret.

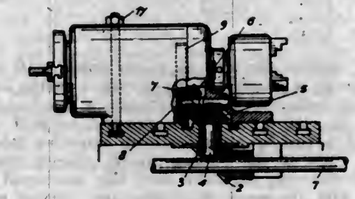
1,628,752. FORM FOR CONCRETE WALL CONSTRUCTION. WILFORD R. SPROUL, Chicago, and HUGO LAYER, Winnetka, Ill., assignors to E. W. Sproul Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 16, 1926. Serial No. 155,128. 4 Claims. (Cl. 25—131.)



3. In slip forms for concrete wall construction, in combination, form sections arranged end to end in spaced relation and having opposite mold surfaces for shaping the inner surfaces of opposite concrete wall portions, means for elevating the form sections, and a shield member having portions overlapping said mold surfaces of the adjacent form sections to close the space between them, said portions having slots at their lower ends aligning with the space between the form sections for reception of a tie rod extending between the wall portions.

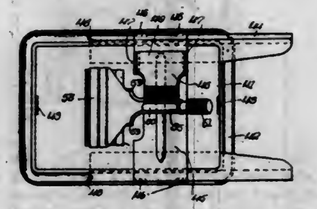
4. In a slip form for concrete wall construction, a shield member comprising a web portion with lateral flange portions extending at right angles from opposite margins thereof, said flange portions extending below the lower margin of the web portion and provided with downwardly opening slots and means at the upper portion of said shield member whereby it may be engaged for lifting movement.

1,628,753. GRINDING DEVICE. WALTER STOECK, Berlin, Germany. Filed June 2, 1925, Serial No. 34,352, and in Germany Sept. 25, 1924. 3 Claims. (Cl. 51—259.)



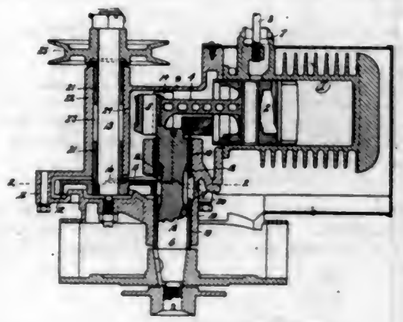
1. In a machine tool, a headstock comprising a rotatable casing mounted on the frame of the tool, a fixed shaft mounted on the casing and carrying a dead centre, a rotatable shaft mounted on the casing and carrying a chuck, and means permitting rotation of said casing on the frame of the tool for presenting either the dead center shaft or the chuck carrying shaft to the work.

1,628,754. BLADE-SHARPENING MECHANISM. CHARLES A. STRAND, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,186. 2 Claims. (Cl. 51—158.)



1. In a blade-sharpening device of the class described, the combination of a hone, a reciprocating carriage operatively connected with and movable longitudinally of said hone, a clamp-supporting arm pivotally connected with and supported on said carriage and adapted to swing in a plane transverse to the path of movement of the carriage, a pair of inclined invertible blade-clamping jaws having their lower blade-engaging margins transverse to the hone and in transverse relation to the path of movement of said carriage, and provided with an inclined axle in supporting engagement with said clamping jaws and rockingly mounted in normally inclined position in said pivoted clamp-supporting arm, and means for securing said clamping jaws in clamping engagement with a blade to be sharpened.

1,628,755. LUBRICATING MEANS FOR INTERNAL-COMBUSTION ENGINES. PHILIP A. TANNER and FINN T. IRGENS, South Bend, Ind., assignors to Cushman Motor Works, Lincoln, Nebr., a Corporation. Filed Feb. 12, 1925. Serial No. 8,845. 5 Claims. (Cl. 184—13.)



1. The combination with an engine crank shaft rotatably mounted in spaced bearing sleeves, a casing having a lubricant collecting chamber therein, a gear rotatably mounted in said casing, a gear carried by said crank shaft and formed by elongated teeth extending into the adjacent ends of the bearing sleeves thereby forming lubricant collecting chambers, said first mentioned gear meshing with the crank shaft gear and forming means whereby lubricant will be conveyed from the lubricant chamber to the crank shaft bearings.

1,628,756. SIGNALING DEVICE. CHASE TAYLOR, Washington, D. C. Filed Jan. 12, 1923. Serial No. 612,165. 6 Claims. (Cl. 177—329.)



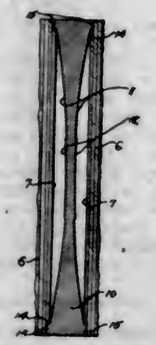
1. A traffic signal comprising a casing having a plurality of faces, a light source in said casing, a pair of lenses for producing from said source a series of substantially parallel bands of light extending transversely to the direction in which the said light is projected, means mounting said lenses in the faces of said casing, the length of the bands of one series extending at such an angle to those of another as to differentiate the signals produced thereby, and means selectively permitting one only of said series of bands to be viewed at one time from a given point of observation.

1,628,757. RATCHET THREADING TOOL. WILLIAM W. VOSPER, Toledo, Ohio, assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 28, 1925. Serial No. 59,056. 3 Claims. (Cl. 10—124.)



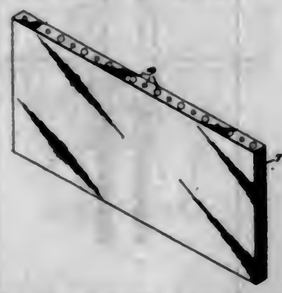
3. A threading tool embodying a ratchet, an annular series of spaced columns rising axially from said ratchet and axially terminating in an annular series of shoulders, said columns having radially extending seats open away from the ratchet, dies in said seats having shoulders approximating the radial position of the column shoulders, and a ring centered by said column shoulders to be abutted by said die shoulders for maintaining the dies against radial shifting, said ring leaving clearance between the columns for ready spill of turnings from the material outward toward said columns.

1,628,758. DRAFT-GEAR UNIT. JAMES M. WAUGH, Chicago, Ill. Filed Oct. 5, 1925. Serial No. 60,370. 6 Claims. (Cl. 213—30.)



2. The combination with a draft gear unit of the plate spring type of a separator forming a part thereof, and comprising a block having stop flanges formed on the ends thereof with the sides of said block being concaved and terminating in friction plate receiving recesses.

1,628,759. REENFORCED SHEET LEAD. GEORGE H WORRALL, Kirkwood, Mo. Filed July 5, 1924. Serial No. 724,411. 20 Claims. (Cl. 29—181.)



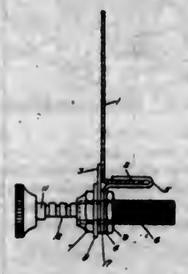
7. A composite article having a body of lead and an enveloped reenforcement of a metal having substantially the same elongation as the lead and having a greater tensile strength than the lead at high temperatures.

1,628,760. CHEMICAL-RESISTANT LINING. GEORGE H. WORRALL, Kirkwood, Mo. Filed July 5, 1924. Serial No. 724,412. 7 Claims. (Cl. 206—2.)



1. A container for chemicals having a lining of chemical or unalloyed lead provided with alloyed lead reinforcements which are embedded in the lead body, and means for attaching said lining, said reinforcements extending along the lining in order to support the lead body at the points of attachment against sagging or pulling.

1,628,761. ATTACHMENT MEANS FOR CONTROLLING APPARATUS. WILLIAM A. ALLEN, New York, N. Y. Filed Nov. 9, 1926. Serial No. 147,298. 10 Claims. (Cl. 74—39.)



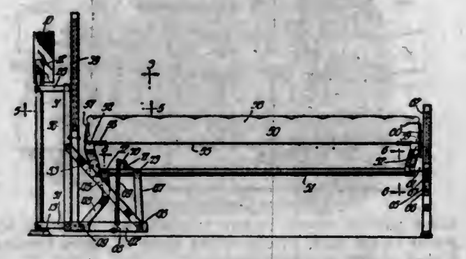
1. An attachment device of the class described, comprising a pair of clamping members extending on opposite sides of a support, an externally threaded hollow sleeve passing through said clamping members and entirely supported thereby, a pair of nuts on the sleeve for drawing the clamping members toward each other to grip the support, a control rod slidably carried by the sleeve, and means associated with one of said nuts comprising an integral part thereof and said rod for holding the rod in different operative positions.

1,628,762. WEIGHING DEVICE. HARVEY ALLISON, New York, N. Y. Filed Jan. 16, 1922. Serial No. 529,459. 2 Claims. (Cl. 116—129.)



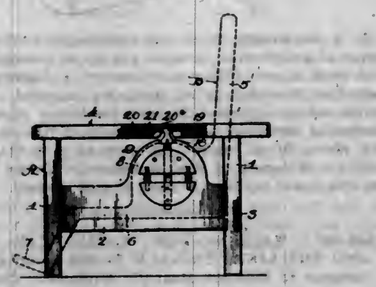
2. In a device of the class described, a mirror having a clear glass portion, a second mirror behind and substantially parallel to said clear glass portion, said second mirror being of approximately the same size and shape as said clear glass portion, and a scale and pointer located between said clear glass portion and said second mirror.

1,628,763. WALL BED. MATTHEW F. BAYER, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Sept. 15, 1924. Serial No. 737,661. 3 Claims. (Cl. 5—142.)



1. An up-ending bedstead construction comprising a supporting frame, a bedstead tiltable on said frame, an inner and outer swinging link pivotally mounted on said frame with axes of rotation at substantially the same height, and spaced horizontally, the swinging ends of said links being pivotally connected to said bedstead at points above said axes, and spaced apart a distance less than the spacing of the axes, an assisting tension spring, one end of which is connected to said support intermediate said axes, the other end of said spring being connected to the bedstead intermediate the link pivots.

1,628,764. ADJUSTABLE ARMCHAIR. ALEXANDER C. BEECH, Chicago, Ill., assignor to Kroehler Mfg. Co., Naperville, Ill., a Corporation of Illinois. Filed May 14, 1924. Serial No. 713,115. 8 Claims. (Cl. 155—77.)

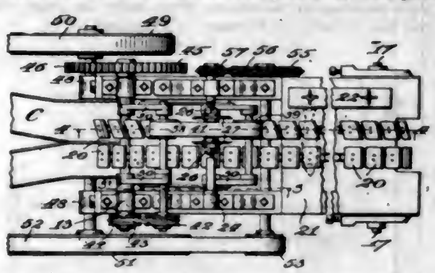


1. In a chair of the character described, the combination of a frame and a seat tiltably suspended in said frame by means of trunnions located at the sides of said frame above the center of gravity of said seat and comprising annular bearing blocks mounted on said frame and annular bearing surfaces on said seat and trunnions, and friction members yieldingly engaging said bearing surfaces and acting to increase the frictional resistance of said trunnions to the tilting of the seat as the weight supported therein is shifted.

1,628,765. FISH-CUTTING MACHINE. HAROLD E. BROEN, San Pedro, Calif. Filed Feb. 11, 1926. Serial No. 87,517. 7 Claims. (Cl. 17—4.)

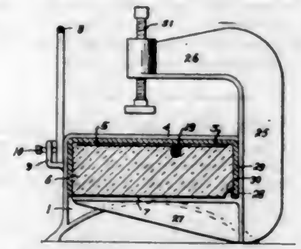
1. In a fish cutting machine, a conveyor formed in two parts, each part including a series of substantially L-shaped plates, the two series of plates being spaced apart the up-standing flanges on one series of the plates being inclined with respect to the flanges on the other series of

plates for engaging and supporting the tapered portions of the bodies of the fish that are placed on said plates



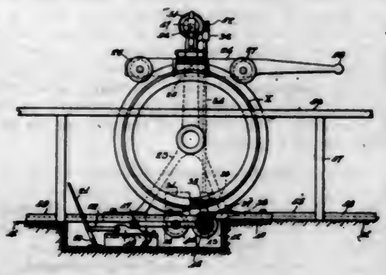
and a pair of rotary cutters arranged for operation adjacent to the edges of one of the series of plates forming a part of said endless conveyor.

1,628,766. AUTOMATICALLY-CONTROLLED, ELECTRICALLY-HEATED VULCANIZING APPARATUS. Roscoe A. Baooks, Chicago, Ill., assignor to Edward George Mumford and Henry B. Kruse. Filed Aug. 8, 1923, Serial No. 656,354. Renewed Mar. 26, 1927. 5 Claims. (Cl. 18—18.)



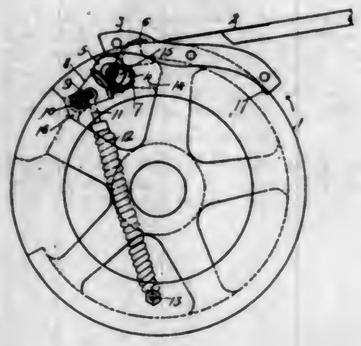
1. A vulcanizing apparatus comprising a plate in the shape of an inverted channel, a body of insulating material fixed in and filling said channel, a heating element embodied in said body of insulating material, a thermostatic device embodied in said insulating material and projecting therefrom at opposite ends of the channel, two end plates fitted against the ends of said channel, and nuts on the ends of said thermostatic device clamping the end plates against the ends of said channel.

1,628,767. MACHINE FOR TESTING CAR WHEELS AND THE LIKE. Thomas R. Brown, Jersey City, N. J., assignor to Burrows Magnetic Equipment Corporation, Jersey City, N. J., a Corporation of Delaware. Filed June 4, 1925. Serial No. 34,888. 17 Claims. (Cl. 175—183.)



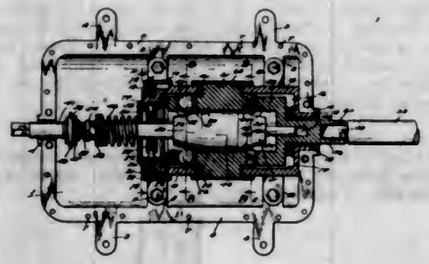
17. In a machine for testing car wheels, an incoming track, an outgoing track, a pair of rollers between and alined with said tracks for supporting the wheel to be tested, a lever at the top of the machine, idler rollers mounted on the lever on opposite sides of the fulcrum thereof, said idlers being adapted to engage the upper part of the wheel, and means for oscillating said lever.

1,628,768. GRIPPER-TENSIONING MECHANISM FOR PRESSES. Fred S. English, New London, Conn. Filed May 6, 1925, Serial No. 28,354. 5 Claims. (Cl. 101—409.)



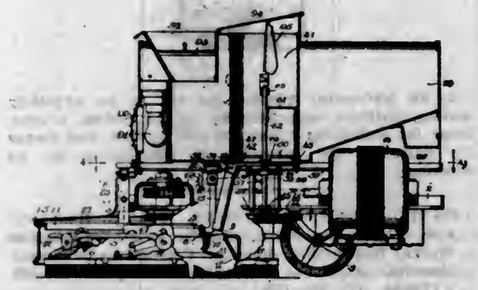
1. In a press the combination of a cylinder adapted to carry a sheet, a shaft, grippers thereon, a lever arm on said shaft and a stationary cam for operating said lever arm to press the grippers on the sheet at the moment the latter is taken and adapted to release said pressure immediately after the sheet has been taken.

1,628,769. AUTOMATIC VARIABLE-SPEED TRANSMISSION APPARATUS. Robert Z. Farmer, Portland, Oreg. Filed June 11, 1925. Serial No. 36,339. 16 Claims. (Cl. 74—34.)



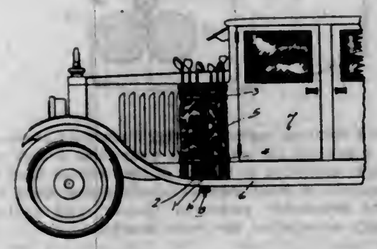
1. Variable speed transmission apparatus, consisting in a housing, an annular bearing-strap rigidly mounted interiorly of said housing, a cylinder rotatively journaled in said bearing-strap having an interior, axially cylindrical chamber therein, a fixed casing mounted in axial alignment with said cylinder formed with an interior, axially cylindrical chamber oppositely disposed to said cylinder-chamber, a clutch-device associated with said cylinder and engageable with said bearing-strap to prevent reverse rotation of the cylinder, a rotatable frame mounted in said chambers and operatively connected with a driven shaft, a plurality of balls rotatably supported in said frame in engagement with the walls of said cylinder-chamber, a plurality of pairs of balls supported in said frame and engageable with the walls of said casing-chamber, said pairs of balls being arranged in radial, superposed relation, a driving-member journaled in said housing and slidably connected to a power-driven shaft and including a pair of cones in integral opposed relation disposed axially of said chambers, respectively, and slidable to selectively engage either of said sets of balls, means to resiliently engage said driving-member with the balls in said cylinder-chamber, and means to shift said driving-member to engage the balls in said casing-chamber.

1,628,770. FLOOR-SCRUBBING MACHINE. Walter S Finnell, Hannibal, Mo., assignor to American Scrubbing Equipment Company, Hannibal, Mo., a Corporation of Delaware. Filed May 11, 1923. Serial No. 638,166. 12 Claims. (Cl. 15—50.)



1. In a floor scrubbing machine, the combination of a horizontal rotary brush ring, means for driving the same, means for delivering water interiorly of the brush ring, with provisions for distributing the water centrifugally to the brushes, and means for delivering a detergent in powdered form in the path of the centrifugally discharged water.

1,628,771. GOLF-BAG CARRIER. Frederick Frisk, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 21,043. 1 Claim. (Cl. 224—29.)



An automobile golf bag carrier comprising a base member, a standard extending from the base member, means for clamping the base to the running board of an automobile, curved fixed arms on opposite sides of the standard and fixed thereto at points adjacent upper and lower ends thereof, said arms being adapted to extend partly around golf bags which are placed on opposite sides of the stand with the lower ends of the bags resting on the base member and straps attached to extremities of the arms and engaging and holding the bags within the arms.

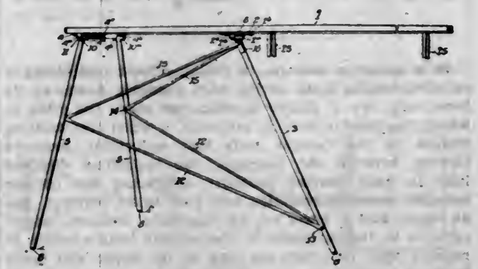
1,628,772. WASHBOARD. Henry J. Gilbert, Saginaw, Mich. Filed July 21, 1924. Serial No. 727,159. 2 Claims. (Cl. 68—29.)

1. The herein described wash board formed of a single piece of sheet metal having a crimped rubbing surface B, and a surrounding marginal bead A, the outer wall of said bead forming a marginal flange about the rear face



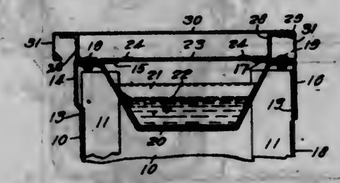
of the board, and a ball extending transversely of said rear face and having its ends secured to said flange.

1,628,773. FOLDING TABLE. Henry J. Gilbert, Saginaw, Mich. Filed Feb. 16, 1925. Serial No. 9,434. 5 Claims. (Cl. 68—10.)



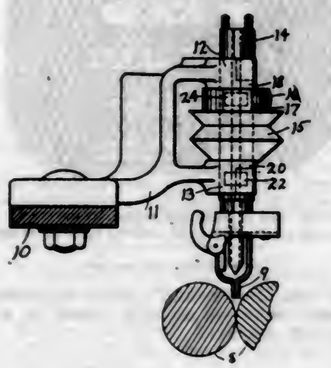
1. In a folding ironing table or the like, a front bearing member secured to the table top and having broadly spaced bearing lugs, a front leg member consisting of a centrally arranged leg portion and a transverse hub portion pivotally supported by said bearing lugs, a pair of rear legs pivotally connected to said table top, a pair of connecting rods pivoted to said front leg near its foot and also pivotally connected with said rear legs at intermediate points thereon, and a pair of locking truss rods severally pivotally connected with said rear legs at intermediate points thereon, said locking truss rods being equipped with a common member arranged to slidingly engage said front leg.

1,628,774. RADIATOR COVER. Louis A. Guillemet, Flushing, N. Y. Filed Nov 13, 1925 Serial No. 68,857. 1 Claim. (Cl. 257—138.)



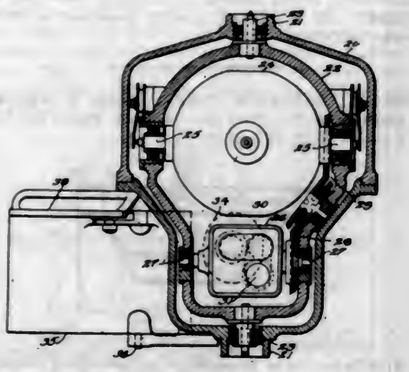
A radiator cover comprising a reticulated framework adapted to be placed over a radiator, a humidifier supported in the top of said framework, a plate closing the top of said framework and disposed over said humidifier, said plate being apertured above said humidifier, and a top piece hingedly supported on said framework in spaced relation from the top and sides thereof.

1,628,775. TWISTING HEAD FOR SPINNING MACHINES. SIGURD H. HELLAND, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Dec. 11, 1926. Serial No. 154,211. 1 Claim. (Cl. 19—154.)



In a spinning machine, a twisting head comprising a rotative tubular body having yarn engaging means at its lower end, two U shaped bearings one above the other in which the tubular body is rotatable, a whirl transmitting motion to the tubular body and adjustably mounted thereon between the bearings, two oppositely disposed lugs on each bearing partially embracing the tubular body for normally retaining said body in its bearings, and an upper and a lower set of oppositely disposed lateral cut-outs in the periphery of the tubular body adapted to register with the retaining lugs of the upper and lower bearings respectively thus facilitating the removal of the tubular body from its bearings.

1,628,776. SIGHTING DEVICE. JAMES BLACKLOCK HENDERSON, Lee, England. Filed July 26, 1919, Serial No. 313,535, and in Great Britain May 10, 1915. 23 Claims. (Cl. 88—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



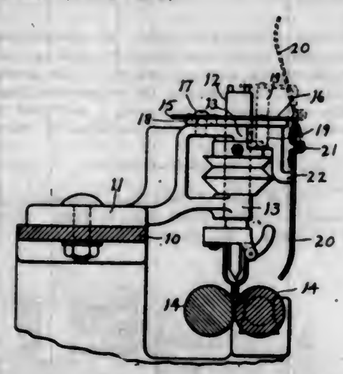
21. An optical system comprising a plurality of optical parts arranged to nullify the effect thereon of extraneous oscillatory movement and a gyroscope controlling a part of said optical system.

1,628,777. TELESCOPIC APPARATUS. JAMES BLACKLOCK HENDERSON, Lee, England. Original application filed July 26, 1919, Serial No. 313,533, and in Great Britain Mar. 8, 1915. Divided and this application filed May 19, 1920. Serial No. 382,678. 12 Claims. (Cl. 88—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. An instrument adapted for use on an angularly moving platform comprising an optical system, a gyroscope for stabilising a part of said system, and means for adjusting the gyroscope to compensate for its straying.

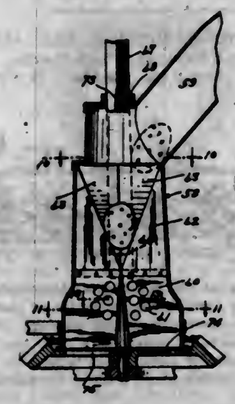
1,628,778. SPINNING MACHINE. FRED K. HENDRICKSON, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1926. Serial No. 157,109. 3 Claims. (Cl. 19—154.)



1. In a spinning machine having a plurality of twisting heads, a housing for said heads comprising a back member fixedly connected to the top of the twisting head bearing supports, a front member abutting said back member and detachably supported thereby, and a shutter swingably mounted on the front member.

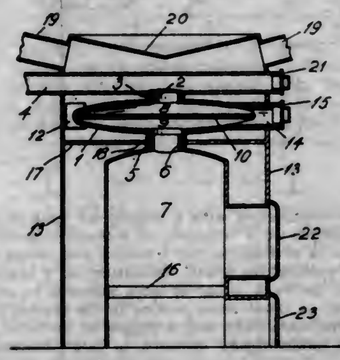
1,628,779. POTATO CUTTER AND PLANTER. PEDER ISRAELSON, Hillman, Minn. Filed June 23, 1923. Serial No. 647,256. 2 Claims. (Cl. 146—59.)

1. A potato cutter comprising an upright fixed casing having an open bottom and a plurality of radial partitions dividing said casing into circumferentially spaced compartments, a plurality of knives forming top extensions on said partitions, the inner edges of said knives being sharp and in upwardly diverging relation in respect to the axis of the casing, V-shaped depending centering plates having their tops hinged at the top of the casing for horizontal swinging movement between the knives, yielding means normally holding the centering plates pressed inward in downwardly converging relation normally closing said compartments, said casing having a contracted top extension opening into the casing inward of the hinged upper ends of the centering plates, a spout arranged to deliver potatoes through the side of the casing extension onto the centering plates, a reciprocating plunger working in a passageway in the top of the casing extension and held thereby against rotation and axially aligned with the casing for forcing a



potato held by the centering plates onto the knives, and a rotatable bottom member for the casing having an escape passageway arranged to be successively brought into registration with the open bottoms of the compartments.

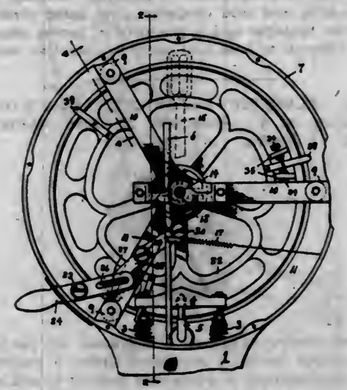
1,628,780. WARM-AIR-FURNACE RADIATOR. HEINRICH JAEGLER, Salem, Oreg. Filed Dec. 15, 1926. Serial No. 154,908. 2 Claims. (Cl. 126—99.)



1. In combination a warm air furnace having a fire box and a smoke pipe, with a radiator, circular in plan view and elliptical in cross section, said radiator comprising a casing communicating at the bottom with the fire box and at the top with the smoke pipe, said casing having a horizontal baffle plate dividing the interior of the casing into an upper and lower chamber, openings traversing said baffle plate at the periphery and establishing communication between the upper and lower chamber, and a plurality of vertical fins radiating from the outer circumference toward the shell of the furnace.

1,628,781. SCALE. LOUIS JAENICHEN, Springfield Township, Oakland County, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 21, 1925. Serial No. 76,666. 3 Claims. (Cl. 265—68.)

1. In an indicating mechanism for scales, a shaft which turns according to the load on the scale, a pointer on the shaft, a stationary dial ring having graduations to indicate gross weight, a rotatable dial disc within the dial ring having graduations to indicate net weights, a



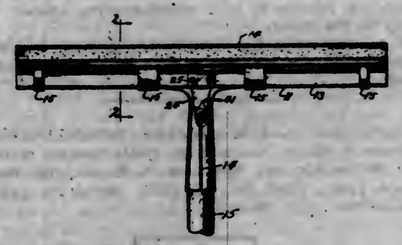
case for said mechanism, and manually operable means embodying a lever projecting out of the case for turning said dial disc.

1,628,782. SNOW SHOVEL. GEORGE J. JANOSKO, Anaconda, Mont. Filed Apr. 15, 1926. Serial No. 102,270. 2 Claims. (Cl. 294—50.)



1. A snow shovel comprising a handle and a slotted blade, a transverse blade slidable longitudinally on the upper face of the blade and arranged to scrape the said face of the shovel blade beneath a load thereon, a ferrule slidable on the handle, and connections between the ferrule and said transverse blade operating through said slot of the shovel blade.

1,628,783. WINDOW-CLEANING DEVICE. ADOLPH C. JENSEN, WILLIAM MOLONEY, and GEORGE BILTGEN, Chicago, Ill. Filed Oct. 23, 1924. Serial No. 745,290. 12 Claims. (Cl. 15—245.)



1. A window cleaning device, comprising, a tapered tubular handle formed to embrace a handle extension, a base strip having a plurality of arcuate grooves and a concavo-convex flange on one edge thereof transversely secured intermediate its ends to the handle, a clamping strip having a plurality of arcuate grooves, a depending flange adapted to engage in the concavo-convex flange of the base strip and an arm secured thereto intermediate the ends thereof adapted to project within the open end

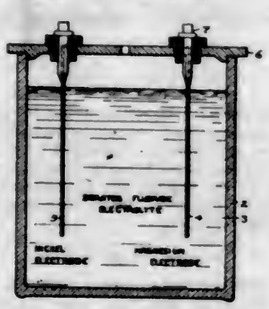
of the tapered handle, and means operable to secure the parts in fixed relation, a squeegee strip having a central body portion and outwardly extending cleaning webs, said base strip and said clamping strip being formed to embrace the squeegee and a plurality of spring clamping members adapted to hold said parts in operative relation.

1,628,784. ELECTRIC VAPORIZER. MAX KATZMAN, Ogdensburg, N. Y. Filed May 25, 1926. Serial No. 111,534. 3 Claims. (Cl. 219—41.)



1. In an electric vaporizer, a container for the liquid to be vaporized having a restricted outlet, a supporting base for the container, a spring arm secured to and rising from the base and having its upper end overhanging the container to hold the latter on the base, an electric heater within the container, and cooperative contacts of the heater circuit mounted on the container and spring arm respectively.

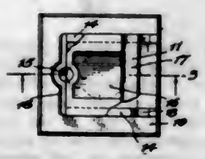
1,628,785. ELECTROLYTIC RECTIFIER. LEWIS JAMES KEELER, Cleveland, Ohio, assignor, by direct and mesne assignments of one-half to Le Rue P. Bensing, Cleveland, Ohio, and one-half to George P. Koelliker, Cleveland Heights, Ohio. Filed Jan. 18, 1926. Serial No. 81,987. 10 Claims. (Cl. 175—318.)



1. A permanent electrolytic rectifier, comprising an anode, a cathode, and a borated fluoride electrolyte in which the fluoride is in a preponderating amount relatively to the borate.

8. An electrolyte for electrolytic rectifiers, comprising a fluoride and a borate, the fluoride being in excess of the borate.

1,628,786. AUTOMATICALLY-CLOSING INKWELL. ORSON N. KELLY, Los Angeles, Calif., assignor to Frank A. Weeks Mfg. Co., New York, N. Y., a Corporation of New York. Filed Nov. 13, 1926. Serial No. 148,196. 4 Claims. (Cl. 120—68.)



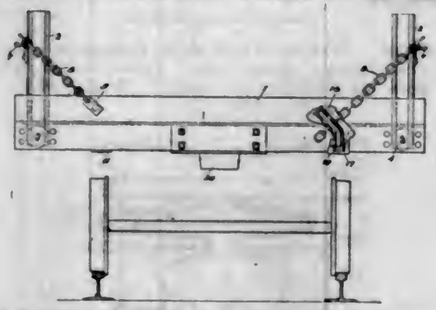
1. An automatically closing ink-well consisting of but two parts, a base or body portion and a flat slidable cover, one of said parts being provided with an incline to lift one end of the cover in its limited movement incident to the insertion of a pen into the well and to cause the return of the cover to closed position upon withdrawal of the pen from the well.

1,628,787. LEACHING METHOD AND APPARATUS. ANGUS BERESFORD KENNEDY, Charlottesville, Va. Filed Feb. 21, 1922. Serial No. 538,376. 14 Claims. (Cl. 23—267.)



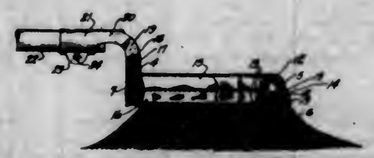
9. In apparatus of the character described having a tank with leaching fluid therein, a series of paddle wheels having blades for moving material through the fluid in the tank, the blades being provided in their free end edges with a series of narrow slots which when the blades are immersed are wholly below the level of the material in the tank.

1,628,788. TRIPPING DEVICE FOR CAR STANCHIONS. JOHN C. KNAPP, Atlanta, Ga. Filed Apr. 24, 1925. Serial No. 25,611. 2 Claims. (Cl. 105—388.)



1. The combination with a logging car bunk of a stanchion mounted on a trunnion, of a chain supporting the stanchion in position on the trunnion and means for releasably holding the chain, consisting of a bracket attached to the bunk, a bar or latch mounted to swing on the bracket, a countersunk portion in the bracket adapted to hold the chain links, and a trigger on the latch adapted to be automatically operated to lock or release the links.

1,628,789. WASH MOP. ARTHUR C. KOOTZ, Milwaukee, Wis., assignor to Gem Hammock & Fly Net Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 12, 1926. Serial No. 121,881. 3 Claims. (Cl. 15—128.)



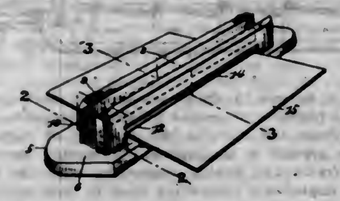
1. In a wash mop, the combination of a hose coupling provided with branch conduits, a helically coiled flexible metal distributor conduit in the form of a loop secured at its ends to said branch conduits, and a mop element having parts surrounding said conduit and securing it thereto.

1,628,790. AUTOMOBILE TIRE. PAUL P. KOSTOCK, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,215. 2 Claims. (Cl. 152—17.)



1. An automobile tire characterized by having a circumferential recess extending inwardly into the body of the tire about the tread region thereof; a pair of interfitting rings arranged in said recess and having rolled edges contacting the walls of said recess; and a tread body removably seated in said recess, substantially as described.

1,628,791. PLANING TOOL. CARL G. KNOOK, Kingman, Ariz., assignor of one-half to Henry L. McCarn, Chloride, Ariz. Filed Apr. 28, 1924. Serial No. 709,467. 2 Claims. (Cl. 51—187.)

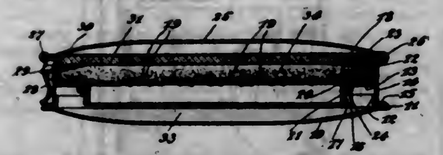


2. A dressing tool comprising a bearing member, slotted guide-members spaced thereon, an insert in the space between the members substantially conforming with the work and having a flange in a slot of one of the guide-members, and an abradant element passing through slots of the guide members and engaging with the insert.

1,628,792. PROCESS OF MAKING MONOAMMONIUM PHOSPHATE. ELDON L. LARISON, FREDERICK F. FRICK, and RAYMOND J. CARO, Anaconda, Mont., assignors to Anaconda Copper Mining Company, Anaconda, Mont. Filed May 3, 1926. Serial No. 106,546. 7 Claims. (Cl. 23—107.)

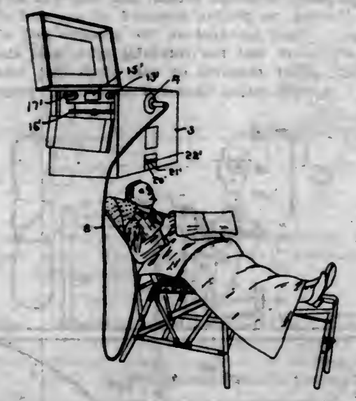
2. Process of making mono-ammonium phosphate which comprises scrubbing a gas containing ammonia with a solution of phosphoric acid until the ratio of NH_3 to P_2O_5 in the scrubbing liquid is about 1 to 2.8 by weight.

1,628,793. CONTAINER. JAMES M. MACDONALD, East Orange, N. J. Filed Mar. 20, 1926. Serial No. 96,149. 8 Claims. (Cl. 132—83.)



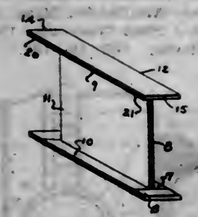
1. In a loose powder container, in combination, a bottom powder receptacle, a grid top attached to said receptacle, an upper member spaced from the grid and revoluble thereabove and a hinged cover carried by the revoluble member.

1,628,794. THERAPEUTICAL APPARATUS. LUIGI MARTIGNONI, Genoa, Italy. Filed Jan. 18, 1924. Serial No. 687,136. 4 Claims. (Cl. 174—177.)



1. An apparatus of the character described adapted for supplying low frequency and high tension electrical currents for therapeutical purposes comprising a casing, an electric circuit arranged in said casing, said circuit including a current connector, independently operable switches adapted to separately control said circuit and arranged on opposite sides of the casing, a transformer includign primary and secondary windings, said primary winding being interposed in said circuit, one end of each winding being grounded on the core of said transformer, and the other end of the secondary winding being adapted for connection with a conductor for applying electrical currents to a patient.

1,628,795. RIBBON REEL. JOSEPH S. MAY, Jersey City, N. J. Filed May 1, 1923. Serial No. 635,870. 1 Claim. (Cl. 206—51.)

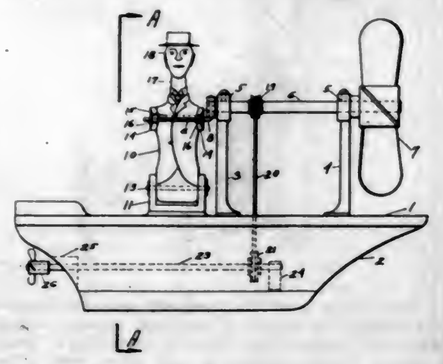


A reel formed of sheet material comprising two substantially rectangular parts each scored parallel to opposite edges, portions between said scorings being secured to each other, flange portions bent outwardly and side pieces secured to said flange portions extending beyond both ends thereof and having integral portions bent inwardly upon the inner sides of the side portions and secured thereto beyond the ends of the first two mentioned parts whereby the flange portions and the side pieces extending beyond the ends of the last mentioned portions are made substantially flush upon the inside of the reel to prevent catching of the ribbon or other wound material upon the reel.

1,628,796. AIR-PROPELLED NOVELTY DEVICE. LONNIE M. MAYO, Detroit, Mich. Filed Dec. 26, 1925. Serial No. 77,749. 1 Claim. (Cl. 46—40.)

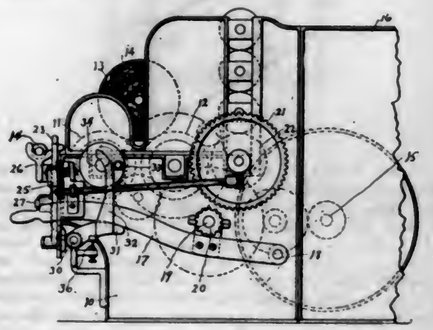
A wind propelled toy comprising a toy vehicle, a propelling mechanism therefor, a horizontal supporting frame attached to the top of said vehicle, vertical bear-

ing posts mounted on the top of said frame, said posts having bearings formed near the top ends thereof and arranged in horizontal alinement with each other, a horizontal shaft mounted within said bearings and free to turn therein, an air fan mounted on one end of said shaft and a crank mounted on the opposite end of said shaft, both crank and fan rotatable with said shaft, a cord power pulley mounted on said shaft also rotatable therewith, a cord pulley mounted on the toy propelling



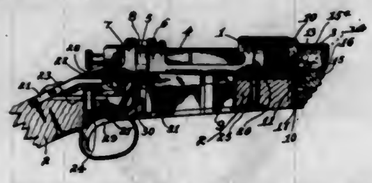
mechanism, a cord belt engaging said power cord pulley and connecting with the propelling cord pulley, an image pivotally mounted on the supporting frame positioned directly opposite the crank, said image having pivoted arm members attached thereto, said arms having holes formed in the outer ends thereof for engageing the crank, free to turn thereon, and in such a manner as to cause the image to sway as if at work, when said crank and shaft rotates under the action of the fan if subjected to wind pressure.

1,628,797. ATTACHMENT FOR COTTON LAPPERS. EDWARD MILLS, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Jan. 22, 1927. Serial No. 162,907. 3 Claims. (Cl. 19—164.)



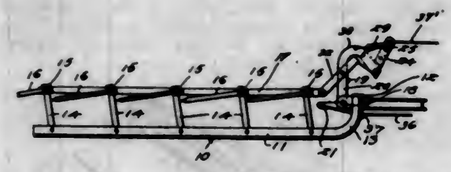
1. In a machine of the character specified, the combination of a drop-lever, a fulcrum on which said lever is swingable, a driving pinion supported by said lever, a calender roll, a driven gear attached to the calender roll adapted to mesh with the driving pinion, a trip-lever coacting with the drop-lever normally maintaining the operative gears in mesh, means when the lap is full for automatically releasing the trip-lever thus disengaging the operative gearing and means whereby said drop-lever is automatically raised thus bringing the operative gears again into engagement.

1,628,798. FIREARM. CHARLES A. NELSON, Utica, N. Y., assignor to Savage Arms Corporation, Utica, N. Y., a Corporation of Delaware. Filed Feb. 4, 1921. Serial No. 442,387. 13 Claims. (Cl. 42—75.)



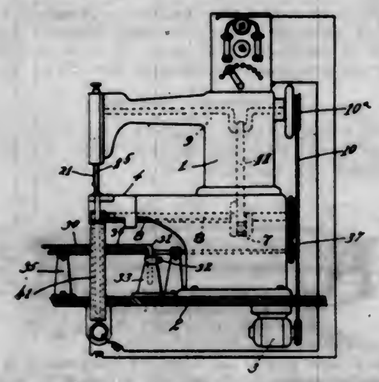
9. A firearm comprising a stock, a frame thereon having a curved bottom, and a separately made mechanism-supporting fixture having its upper face curved to correspond to the curve of said bottom and affixed thereto.

1,628,799. HARROW. JOHN NORDSTOG, Crosby, N. Dak. Filed Oct. 7, 1926. Serial No. 140,140. 6 Claims. (Cl. 55—103.)



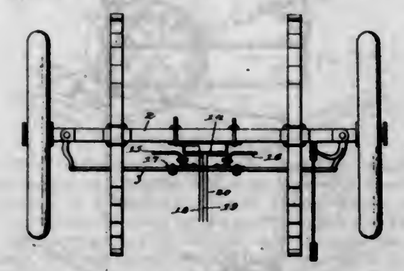
5. In a harrow, a frame adapted to move over the ground, a plurality of ground working implements carried by the frame and movable into and out of engagement with the ground, a longitudinally extending bar carried by the frame and having connection with the ground working implements controlling them in their movements, a lever pivoted intermediate its ends to the frame, a second lever pivoted at one end to the longitudinally extending bar and intermediate its ends to one end of the first named lever and a latch limiting relative rotation of said levers about the pivotal connection thereof at a point positioning the longitudinal bar to retain the ground working implements out of engagement with the ground and a connection between the opposite end of the first named lever and a draft element.

1,628,800. TAPING MACHINE. PHILIP L. O'DONNELL, Cincinnati, Ohio. Filed Sept. 11, 1923. Serial No. 662,134. 6 Claims. (Cl. 154—42.)



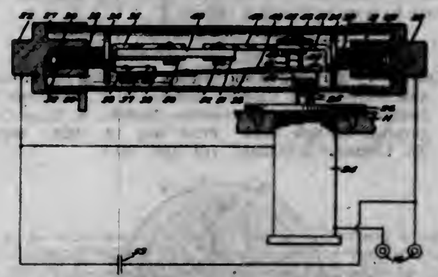
1. A mechanism for the purpose described, comprising a tape mounting device, a rotary feed element, over which the tape must pass, a heater with relation to which the tape is guided, and a work feeding device comprising a feed plate arranged to come in contact with the work during a portion of a cycle of movement, and a walking foot and presser foot adapted to contact with the feed plate, and means for guiding said tape from the heater to the said work feeding device.

1,628,801. CIRCUIT CLOSER FOR VEHICLE SIGNALS. EDWIN ALBERT OFFET, Toledo, Ohio. Filed Oct. 6, 1920. Serial No. 415,043. 1 Claim. (Cl. 200—59.)



In a circuit closer for closing the circuits to directional signals, the combination of the usual axle and steering rod of an automobile, with a fixed contact on said axle and a pair of flexible contacts on the steering rod arranged to selectively and positively engagae said fixed contact upon movement of the steering rod, said last mentioned contacts extending forwardly from the steering rod and then bent outwardly in opposite directions and parallel to the rod whereby contact is made upon a predetermined minimum movement of the steering rod and positively maintained irrespective of the amount of movement thereof, substantially as described.

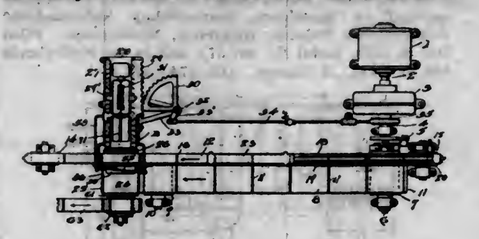
1,628,802. ELECTRICAL VIBRATOR. FREDERICK C. PEARSON, Blackrock, Ireland. Filed June 2, 1925. Serial No. 34,349. 4 Claims. (Cl. 200—90.)



1. In an electrical vibrator, a casing, an electromagnet in said casing having a pole piece projecting outside of the casing, an enclosed vessel, vibratory contacts in said vessel, an armature mechanically connected to one of said contacts and also enclosed in the vessel, said armature coacting with the projecting pole piece, and means for holding the vessel on the casing in such position that the electromagnet can influence the armature, said means also serving as a connection to the contacts in the tube.

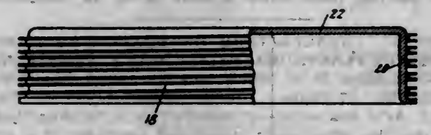
1,628,803. PACKAGING MACHINE. JOHN C. PINTER, Chicago, Ill. Filed Mar. 27, 1926. Serial No. 97,885. 7 Claims. (Cl. 226—14.)

1. The combination with a charge-carrying cracker-carrier and a complementary carton-conveyer, and means for simultaneously and intermittently moving said carrier and conveyer, and a transversely arranged drop table adapted to receive successive cartons, of means for



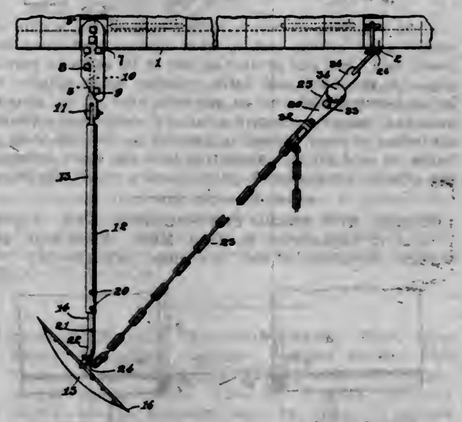
bodily transferring a charge from the carrier to a complementary carton between intermittent movements of the carrier and conveyer.

1,628,804. MANUFACTURE OF BRAKE DRUMS. JACOB L. PRICE, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1925. Serial No. 46,505. 3 Claims. (Cl. 29—159.)



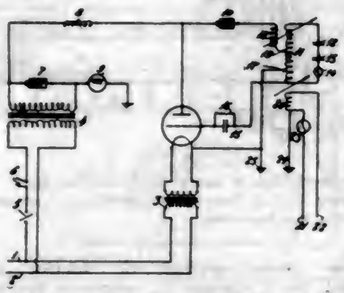
1. That method of making a brake drum which comprises the steps of (a) forming a substantially cylindrical braking flange, (b) winding a helix of material angular in cross-section and having outwardly-extending flange material and inner bore of substantially the same diameter as the flange, (c) cutting a section from the helix, and (d) mounting said section on the braking flange with its flange material serving as heat-radiating fins for the drums.

1,628,805. RAILROAD GRASS-LINE AND DITCH CUTTER. WILLIAM H. REDNOUR, Dugger, Ind. Filed Nov. 27, 1926. Serial No. 151,180. 10 Claims. (Cl. 37—105.)



5. The combination with a railway car, of a grass line cutter, an arm on which said cutter is mounted, and means for detachably connecting the inner end of said arm with the car, said means including a plurality of pins between which the inner end of said arm is situated.

1,628,806. DIATHERMY DEVICE. FRANCISCUS HENRICUS REIJNDERS, Soesterberg, Netherlands, assignor of one-half to Naamloose Vennootschap Nederlandsche Seintoestellen Fabriek, Hilversum, Netherlands. Filed Oct. 8, 1923, Serial No. 667,371, and in the Netherlands Oct. 6, 1922. 7 Claims. (Cl. 174—177.)

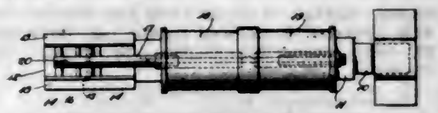


1. A device for diathermy comprising in combination means for generating high frequency currents of constant intensity including a triode and means for maintaining the electrode temperature constant during the treatment.

1,628,807. MANUFACTURE OF SHAPED ARTICLES OF SET PLASTIC MATERIAL. OVID E. ROBERTS, Jr., Washington, D. C. Filed July 26, 1923. Serial No. 654,035. 17 Claims. (Cl. 18—47.5.)

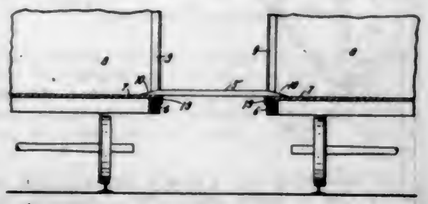
11. As a new article of manufacture, a building block or the like, structurally strong and consisting of a set water-resistant composition comprising hydrated lime and filler material comprising comminuted metallurgical slag and corncobs intimately commingled and incorporated therewith, said hydrated lime constituting from one-third to two-thirds of the composition.

1,628,808. AUTOMATIC RECIPROCATING BOLT. EDWARD RUFF and ELMER C. L. BAILEY, Newark, N. J. Filed July 8, 1926. Serial No. 121,228. 5 Claims. (Cl. 70—50.)



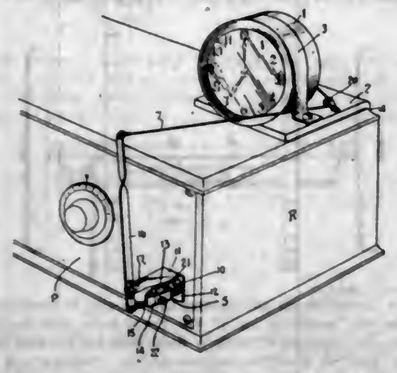
1. In a locking device, a sliding bolt having a pair of spaced arms at one end, a latch member positioned between said arms and pivoted at one of its edges to points adjacent the bolt, said latch member being tiltable to swing between positions on opposite sides of its pivotal axis and engage respective arms, an electro-magnetically controlled plunger extending parallel to the bolt, and a finger on said plunger projecting into the space between the arms and engaging the latch member to tilt the same.

1,628,809. RUN BOARD FOR FREIGHT CARS. FERDINAND E. SANDSTROM, St. Paul, Minn. Filed Sept. 18, 1925. Serial No. 57,197. 2 Claims. (Cl. 14—72.)



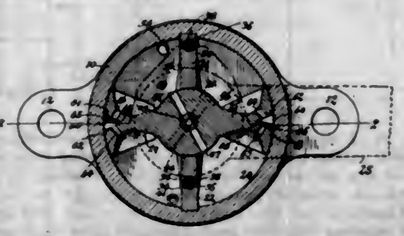
1. A run board of the class described having a longitudinal slot, a metal bar narrower than the slot secured in the said slot and having a series of inverted U-shaped notches across its top and sides, and a staple shaped pin adapted to straddle the bar and be dropped into either one of said notches and engage with both of its legs simultaneously the outer edge of the sill of a side door of a railway car.

1,628,810. TIME-CONTROL MECHANISM FOR RADIO-RECEIVERS. ROBERT B. SCHULTHEIS, Brooklyn, N. Y. Filed Aug. 31, 1926. Serial No. 132,798. 1 Claim. (Cl. 161—1.)



Time control mechanism readily applicable to and removable from a cabinet containing electrical apparatus, said cabinet having a movable switch element on its front wall, said mechanism comprising clock mechanism having alarm means including an alarm winder, a base for said clock mechanism adapted to rest upon the top of said cabinet, a depending flange connected to the base and adapted to engage against the rear of said cabinet and resist forward displacement of the base and the clock mechanism thereon, and a pulley on the alarm winder, a cord connected to the pulley, a lever arranged for connection to said switch element and also connected to the cord, and cord guides, whereby rotation of the alarm winder winds the cord upon the pulley and operates the lever to move said switch element.

1,628,811. SHOCK ABSORBER. ALBERT B. SHULTZ and ANTHONY B. CASPER, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a Corporation of New York. Filed May 19, 1926. Serial No. 110,101. 2 Claims. (Cl. 188—89.)



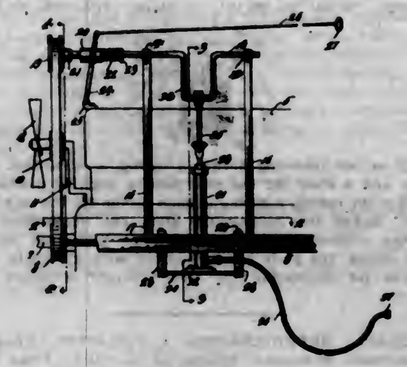
1. A shock absorber comprising a pressure chamber adapted to contain a resistant fluid, a piston reciprocable in said pressure chamber and having a passage therethrough which opens into said chamber on opposite sides of said piston, and which has a central valve chamber and ports leading from opposite sides of said valve chamber to opposite sides of said piston, and a plate valve which is movably arranged in said valve chamber and which in its central position uncovers both of said ports and permits the flow of resistant fluid through said passage, but which at either end of its movement, closes one of said ports and prevents such flow.

1,628,812. TRAVELING BAG. BENJAMIN H. SHWAYDER, Denver, Colo. Filed July 5, 1924. Serial No. 724,330. 2 Claims. (Cl. 190—51.)



1. The combination with a traveling bag having a fixed bottom and flexible side walls extending upwardly therefrom, of a reenforcing frame in engagement with and riveted to the lower portions of the side walls, whereby the lower portion of the bag is held rigidly in conformity with the frame, and a liftable lid resting on the frame.

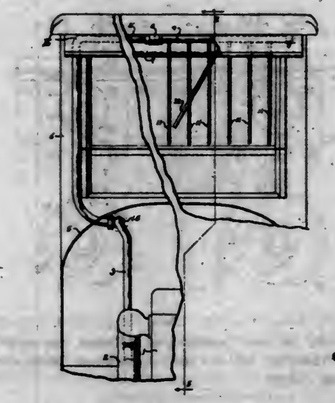
1,628,813. TIRE-INFLATING APPARATUS. WILLIAM C. STEPP, Penelope, Tex. Filed Dec. 4, 1925. Serial No. 73,282. 3 Claims. (Cl. 180—53.)



1. An attachment for motor vehicles comprising a pair of standards having base portions adapted for securing to the frame of a motor vehicle, said standards having their upper ends provided with alined bearings, a crank shaft journalled in said bearings and having a crank between the bearings adapted for connection to a pump, said crank shaft being provided on its forward end with a belt pulley adapted to receive the belt of a motor vehicle.

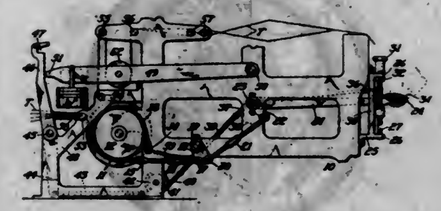
1,628,814. FROST-EXTERMINATING MEANS FOR WINDSHIELDS. ALPHA D. UPDEGRAFF, Valley Center, Kans. Filed Dec. 23, 1926. Serial No. 156,636. 3 Claims. (Cl. 20—40.5.)

1. In a frost exterminating means for wind shields, a pipe connecting with the exhaust manifold of the engine, extending to and horizontally across the top of the wind shield, a swivel joint in the horizontal portion of the pipes so that the outer end thereof will rotate, a plurality of pipes laterally extending from the rotatable portion of the first said pipes, the last said pipes extending across the wind shield, the lower end of which is curved toward the wind shield, flexible stoppers to close the ends of last said pipes and simultaneously function as a



cushion, a plurality of apertures distributed longitudinally along said pipes as ejecting means for the heated air or gas against the wind shield.

1,628,815. BALANCED LET-OFF FOR LOOMS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1925. Serial No. 63,175. 3 Claims. (Cl. 139—104.)

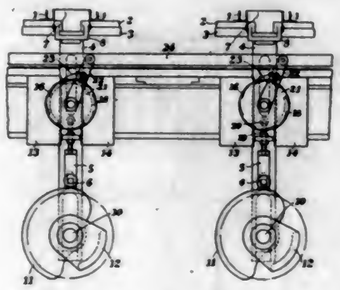


1. In a let-off mechanism for looms, two independent tensioning devices each adjustable and each capable of exerting the same tension on the warp threads, one of said devices being normally operative to tension the warp and the other being normally idle, means to adjust the tension of the normally operative device, said means being movable from any adjusted position to increase the tension of the normally operative device when the normally idle device is operative, and manually controlled means mounted on the first named means to render said normally idle device operative.

1,628,816. PLATEN PRINTING PRESS. PAUL WIEGHARDT, Magdeburg, Germany, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Filed Dec. 5, 1925, Serial No. 73,362, and in Germany Dec. 24, 1924. 3 Claims. (Cl. 101—198.)

1. A platen printing press with vertically reciprocating printing couples for printing materials fed intermittently through the press with variably composed printing patterns, characterized by rotatable circular discs (16, 17) provided at their circumference with axially projecting rims (18) which according to the position of

the discs engage below members (19, 20) secured on the printing couple (1 to 9) and thereby hold the print-



ing couple in its top position or release the said members and thereby allow the downward movement of the printing couple.

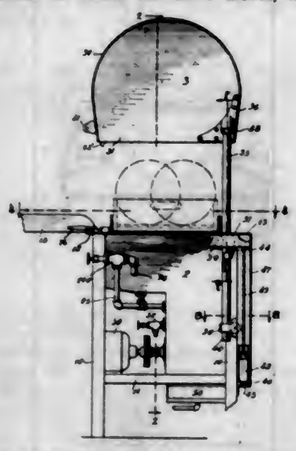
1,628,817. TIRE-TRIMMING MACHINE. GEORGE F. WILSON and CHARLES W. LEGUILLON, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 14, 1925. Serial No. 9,139. 19 Claims. (Cl. 164—38.)



3. A tire-trimming machine comprising three tire-supporting and guiding rollers adapted to engage the inner periphery of the tire at respective positions in an arc of not less than 180°, means for driving one of said rollers to drive the tire, and a trimming device in the orbit of the tire adapted to trim the same as it is so driven.

1,628,818. WASHING MACHINE. ERICH R. ZADEMACH, New Rochelle, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed Aug. 26, 1925. Serial No. 52,521. 18 Claims. (Cl. 141—9.)

3. In a washing machine, the combination of a tank having a movable cover, a liquid distributor, a valve controlling the supply of liquid thereto, a control lever for said valve, movable in a direction transverse to that in which the cover moves, a movable member, movable in the direction in which the cover moves, and yieldable



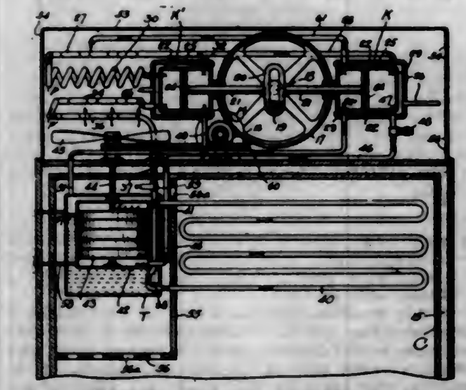
means for normally positioning said member in the path of the control lever and in the path of the closing movement of the cover.

1,628,819. AIR VALVE. HAROLD BROWN, Kansas City, and GEORGE R. UHL Tonganoxie, Kans. Filed Feb. 23, 1926. Serial No. 90,181. 1 Claim. (Cl. 303—80.)



In an air releasing device, a casing, a valve seat portion and a stem for the seat portion slidably positioned within the casing, a spring tension means for the seat portion, means for guiding the stem and supporting the spring, consisting of a plate suitably positioned within the casing, the plate being provided with air ports, and means for depressing the stem, thereby releasing the valve.

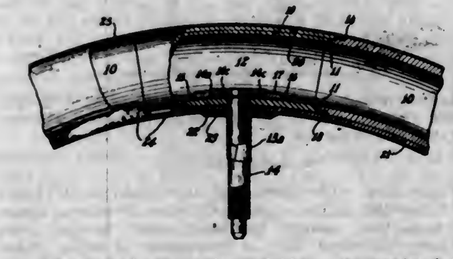
1,628,820. REFRIGERATING APPARATUS. CHARLES RICHARD BURHNELL, Beverly Hills, Calif. Filed May 15, 1924. Serial No. 713,537. 2 Claims. (Cl. 62—98.)



1. A refrigerating apparatus comprising an air compressor, an abstractor in communication with the compressor and comprising a water jacketed duct, the jacket

of which is porous to permit evaporation of the water whereby the air from the compressor is cooled by the latent heat of evaporation of the water, a turbine for creating a forced circulation of air over the abstractor, said turbine receiving the cooled air from the abstractor so as to be operated thereby, a tank confining a refrigerant in surrounding relation to the turbine, means by which the air delivered to the turbine from the abstractor is returned to the compressor, and means for operatively connecting the turbine to the compressor for aiding the latter in compressing the air.

1,628,821. METHOD OF MAKING HOLLOW ANNULAR ARTICLES. JOHN J. CALLAHAN and FRANCIS C. ROGERS, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,760. 6 Claims. (Cl. 154—14.)



1. The method of inserting a fluid-passage member into the wall of a tubular, annular, rubber article which comprises forming a short tubular structure, building thereinto a fluid-passage member during such formation, forming a relatively long tubular structure, and connecting the ends of the latter structure to form a tubular annulus by inserting between and joining to said ends the short tubular structure.

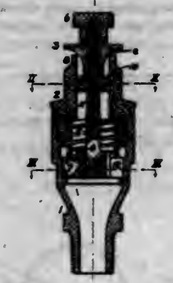
1,628,822. PHOTO-ELECTRIC DEVICE. THEODORE WILLARD CASE, Scipio, N. Y., assignor to CASE Research Laboratory Incorporated, Auburn, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,603. 3 Claims. (Cl. 250—35.)



1. A thermo-electric device comprising a bulb, a pair of spaced electrodes within the bulb, means for maintaining one of the electrodes heated, means for causing a thermo-electric current to flow between the electrodes, and a substance that emits electrons in substantial accordance with the intensity of the light to which it is subjected disposed in such a position with respect to the path of the thermo-electric current between the electrodes that the emitted electrons affect the conductivity of such path, and thereby vary the thermo-electric current in substantial accordance with the intensity of the light to which the substance is subjected.

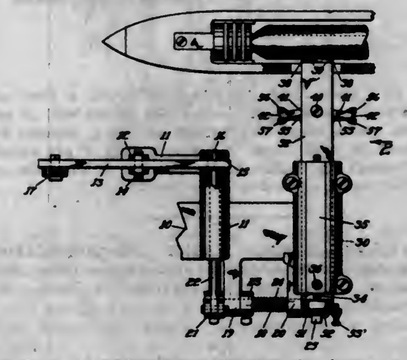
1,628,823. SELF-FLUSHING ATOMIZING NOZZLE. THOMAS CHESTER, Detroit, Mich., and WILLIAM MACMICHAEL, Wadsworth, Ohio. Filed Sept. 29, 1924. Serial No. 740,618. 2 Claims. (Cl. 299—125.)

1. In a fluid diffusing device, an inlet member, an outlet member detachably secured to the inlet member, a diffuser cooperating with the outlet member to regulate the fluid egress, an annular recess within the outlet member, a guide member secured to the diffuser and co-acting with the inlet member to maintain said dif-



fuser centrally positioned with respect to the outlet member, and a spring between the guide member and the outlet member and seated in the recess for yieldingly maintaining the diffuser against the outlet member.

1,628,824. WEFT DETECTOR FOR LOOMS. AUGUSTIN J. CHEVRETTE, Worcester, Mass., assignor to The Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1925. Serial No. 70,161. 2 Claims. (Cl. 139—286.)



1. In a weft detector mechanism for looms, a support, a slide movably mounted thereon, a yarn penetrating detector fixed to the slide, a yarn impinging detector mounted on the slide for lateral movement, an arm extending from the movable detector and terminating at a point outside the slide, means to hold the slide yieldingly in rearward position, a transmitter located entirely outside the slide and having a forked end spaced from said slide to receive the arm of the movable detector, yielding means to hold the transmitter in rearward position, and an indicating mechanism effective to indicate exhaustion of weft when the movable detector moves laterally with respect to the slide upon forward movement of the latter.

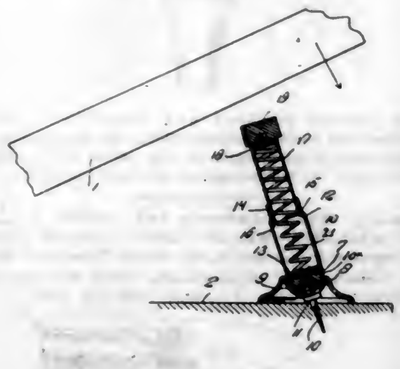
1,628,825. SPARK PLUG. WILLIAM GEORGE CLAYTON, St. Kilda, near Melbourne, Victoria, Australia. Filed July 12, 1926, Serial No. 122,004, and in Australia Feb. 26, 1925. 1 Claim. (Cl. 123—169.)



In a spark plug, a grounded electrode, an insulator, and a plurality of electrodes carried by said insulator the sparking points of which are arranged in chords of arcs

of a circle concentric to the axis of said insulator, the circumference of which circle lies within sparking distance on said grounded electrode, said plurality of electrodes forming a series of spark gaps, and said insulator being adjustable by rotation so as to bring the terminal electrodes of any of said chords into sparking relation with said grounded electrode for the selective production of different numbers of sparks, in series.

1,628,826. DOOR BUMPER. LEON COVALENCE, Linden, N. J. Filed Mar. 11, 1926. Serial No. 94,078. 4 Claims. (Cl. 16—85.)



4. In a door bumper and in combination, a base having a semi-globular socket and a slot in the wall of said socket, and a cushioning portion having a rounded end disposed in said socket and also having a pin extending through and adjustable in the slot of the base and terminating in a wooden screw portion.

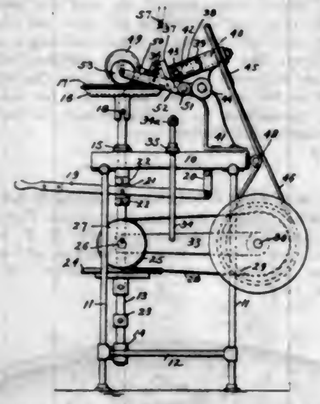
1,628,827. AERIAL CABLE TRANSPORTATION MEANS. LEVITT LUZERN CUSTER, Dayton, Ohio. Filed Dec. 20, 1924. Serial No. 757,285. 1 Claim. (Cl. 191—34.)



A device of the type described, comprising aerial supports, cables secured to said supports, and being electrically charged, a group of spaced pulleys on said cables, a lining of friction and insulating material upon the grooved periphery of each pulley, a carriage to which said pulleys are secured, an electric motor within the carriage between the pulleys, and electric brushes on said carriage in circuit with the motor, to collect current from said cables.

1,628,828. PIE-ROLLING MACHINE. JOHN W. DENMEAD, Akron, Ohio, assignor of one-half to William A. Johnston, Akron, Ohio. Filed May 19, 1926. Serial No. 110,243. 16 Claims. (Cl. 107—10.)

1. A machine for shaping material, such as dough, comprising two coacting rotary members, each having its rotating means, and a movable support for one of such members for bringing them together in working relation and separating them, one of such members having a material-engaging surface that extends substantially from the center of rotation of the other rotary

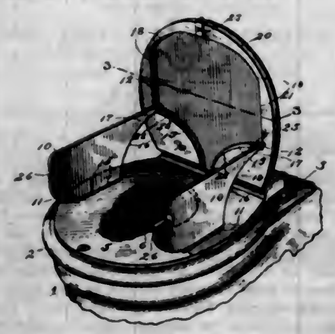


member radially outward and is adapted to have contact with the material as the two members rotate, whereby a thin disc is formed.

1,628,829. PROCESS OF DISTILLING HYDROCHLORIC ACID. LOUIS CHARLES DREFAHL, Lakewood, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 5, 1923. Serial No. 630,144. 1 Claim. (Cl. 23—154.)

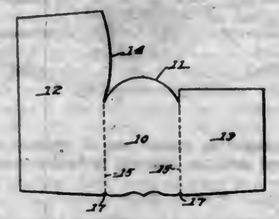
Process of distilling hydrochloric acid solutions which comprises flowing a crude solution of hydrochloric acid of greater concentration than constant boiling acid continuously in one direction in the form of a thin layer onto, over and off of a heating surface and withdrawing and condensing the vapors generated while regulating the rate of flow relative to the rate of vaporization to produce a condensate of greater concentration than constant boiling acid.

1,628,830. WATER-CLOSET SEAT. SAMUEL L. EASTBURN, Sloatsburg, N. Y. Filed June 8, 1925. Serial No. 35,541. 3 Claims. (Cl. 4—239.)



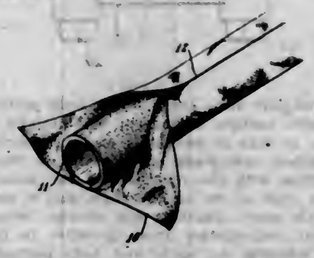
1. In a closet seat structure, the combination of a seat, side arms hinged thereto to fold down on the seat when not in use, said arms being cut out at their rear ends and forming rearward extensions thereon, a lid hinged to the seat and adapted to be engaged by said extensions when the arms are in an upright active position, said lid being formed with a recess adapted when the lid is closed down on the folded arms to receive and house said arms, and the end of said recess being formed to follow the contour of the cut-away portions of the arms.

1,628,831. REPAIR PIECE FOR BOOTS AND SHOES. ROBERT M. ELMSTROM, Malden, Mass., assignor to Standard Manufacturing Co., Malden, Mass., a Corporation of Massachusetts. Filed Jan. 22, 1926. Serial No. 83,123. 1 Claim. (Cl. 36—55.5.)



As an article of manufacture, a repair piece for a boot or shoe comprising a piece of leather having the shape of the bottom of the heel and provided with a pair of side pieces integrally connected therewith along its sides and bent up at right angles along the sides of the bottom piece and then curved around the back and connected together at one side, one of them being longer than the other.

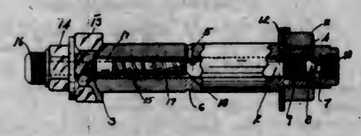
1,628,832. FABRIC-COVERED STRIP MATERIAL AND METHOD OF MAKING THE SAME. ABRAM E. FALOR, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,580. 5 Claims. (Cl. 154—8.)



1. In combination, flexible cylindrical tubing, and square-woven, bias-cut fabric snugly covering said tubing and adhered thereto, one set of threads of said fabric being disposed at an angle of 35 to 40 degrees to an element of the said tube.

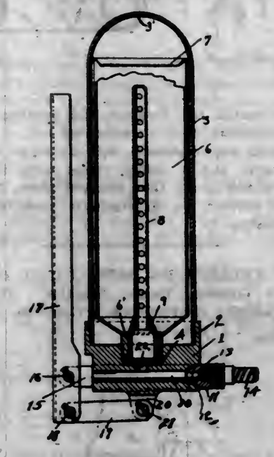
5. The method of covering tubing with rubberized fabric which comprises cutting a strip of square-woven rubberized fabric of sufficient width to circumscribe the tubing, so that the lines of cut intercept either the warp or weft threads of the fabric at an angle materially less than 45 degrees, and applying the said strip longitudinally to and wrapping it laterally about the tubing.

1,628,833. BEARING-PIN LUBRICATOR AND OBSTRUCTION EJECTOR. MILTON A. FRANK, San Francisco, Calif. Filed Mar. 7, 1925. Serial No. 13,747. 1 Claim. (Cl. 308—120.)



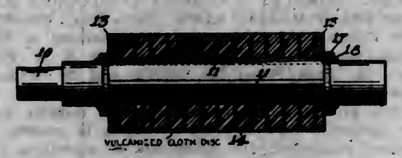
A bearing pin obstruction ejector comprising a member having a hole therethrough, a threaded nipple containing a ball check valve threaded into said member, a threaded plunger retainer, a plunger pin smaller than the bore of said member extending thereinto through the plunger retainer, said plunger having a striking head on its outer end, a spring adapted to hold said plunger at its innermost position under pressure normally sufficient to force grease through the bearing but capable of being pushed out if the grease passage is obstructed, said plunger being adapted to be driven to its innermost position by striking it a sharp blow to increase the pressure acting to clear the passage of the obstruction.

1,628,834. HIGH-PRESSURE VACUUM GREASE GUN. MILTON A. FRANK, San Francisco, Calif. Filed Jan. 25, 1926. Serial No. 83,490. 2 Claims. (Cl. 221—47.3.)



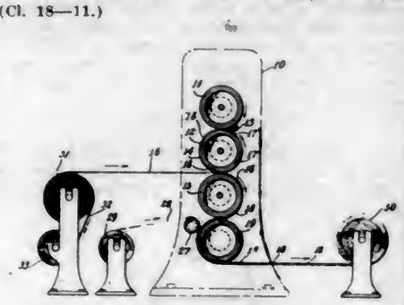
1. A high pressure grease gun comprising a base, means to expel successive charges of grease therefrom at high pressure, an upwardly projecting rigid cover detachably secured to said base, a passage in said base leading from said expelling means to the interior of said cover, a socket about said passage for supporting a grease receptacle.

1,628,835. PRESS ROLL FOR WOOL WASHERS AND THE LIKE. FRANK L. FURBUSH, Westford, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a Corporation of Massachusetts. Filed Jan. 11, 1926. Serial No. 80,480. 1 Claim. (Cl. 68—33.)



In a press roll for the purpose described, the combination with the shaft and a key, of a series of vulcanized rubber and cloth discs located on the shaft and having their surfaces in contact so as to provide a continuous outside cylindrical surface of vulcanized rubber and cloth, and a series of metallic discs alternating with the cloth discs and positively keyed to the shaft and having projections on both sides entering the cloth discs for holding them positively to the shaft.

1,628,836. APPARATUS FOR FORMING AND CUTTING PLASTIC MATERIAL. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 17, 1923. Serial No. 619,598. 7 Claims. (Cl. 18—11.)



1. In apparatus for forming and cutting plastic material the combination of an embossed roll, a roll adapted to coact with the embossed roll to form an embossed sheet of stock, and a cutter timed with the embossed roll and mounted to cut the embossed sheet, from the embossed side thereof, on determinate lines with relation to the embossing.

1,628,837. PROPELLING MECHANISM FOR SHIPS. FRIEDRICH GEBERS, Vienna, Austria. Filed July 3, 1924. Serial No. 724,143, and in Germany July 6, 1923. 2 Claims. (Cl. 115—37.)



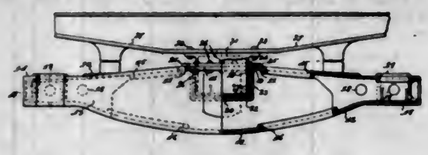
1. In a drive mechanism for ships, the combination of propellers, immersing during travel with only a portion of the propeller circuit, and propellers completely submerged, each type of propeller being driven by separate machines, the submerged propeller cooperating with the semi-submerged propellers for high speed but operating alone at low speeds, the semi-submerged propellers at low speeds remaining stationary.

1,628,838. COMPLEX ANTIMONY COMPOUNDS AND PROCESS OF MAKING SAME. HANS HAHL, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Filed Mar. 29, 1926. Serial No. 98,272, and in Germany June 6, 1925. 3 Claims. (Cl. 260—11.)

1. The process for the manufacture of complex antimony compounds, which process consists in causing an antimonyl compound of a polyphenol as containing two hydroxyl groups in ortho-position to each other to interact with a neutral salt of a carboxylic acid containing in the molecule easily migratory hydrogen atoms.

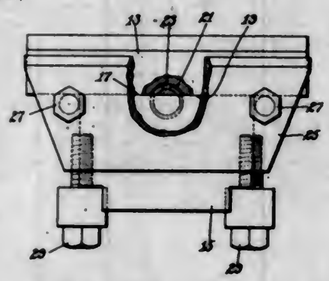
1,628,839. TRUCK BOLSTER. BRODERICK HASKELL, Franklin, Pa. Filed June 8, 1926. Serial No. 114,521. 6 Claims. (Cl. 105—230.)

1. A truck bolster comprising a body section having a top, bottom and ends, said top having an opening between said ends, a female member of a bearing within the body section and consisting of a hollow seat having a bottom at one end and an open top provided with an



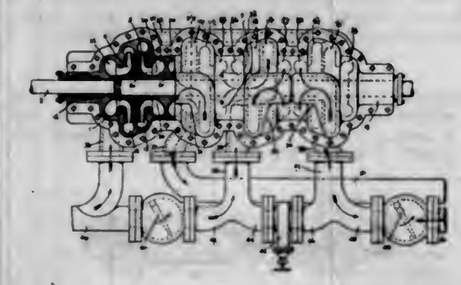
outwardly projecting flange seated on and attached to the surface of said top adjacent to said opening.

1,628,840. KNIFE FOR SPLITTING MACHINES. JOHN J. HEYS, Lynn, and ALBERT R. BRADEN, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 30, 1924. Serial No. 689,471. 13 Claims. (Cl. 69—11.)



1. A two-part knife comprising a body portion having a flat under surface, a blade of substantially the same thickness as that of the knife and also having a flat under surface, said blade being located in front of the body portion with the rear edge of the blade abutting the front edge of the body portion, and a member for holding the parts together, said member being capable of manual manipulation from operative to inoperative position whereby the blade and body portion may be readily detached from each other at any time.

1,628,841. MULTISTAGE CENTRIFUGAL PUMP. ALADAR HOLLANDER, Berkeley, Calif., assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif., a Corporation of California. Filed June 2, 1926. Serial No. 113,171. 3 Claims. (Cl. 103—106.)



1. In a multi-stage centrifugal pump a group comprising a plurality of pairs of similar impellers, the impellers of each pair mounted back to back with their discharge compartments adjacent and their suction compartments remote, the pair of impellers representing the lowest stage being located at one end of said group, and the pair of impellers representing the next higher stage, located at the other end of said group, and impellers of the highest stage intermediate said end positioned pairs, all of said impellers fixed on a shaft and inclosed within a casing and fluid ducts between the discharge compartment of each impeller and the suction compartment of the impeller of the next higher stage in combination with pipe connections comprising a suction pipe adapted to supply fluid to be pumped to the suction compartment of the first stage, a one way valve and a branch adapted to supply fluid to be pumped to the suction inlet of an intermediate stage, a delivery pipe adapted to receive pumped fluid from the highest stage, a branch adapted to receive pumped fluid from another intermediate stage and a one way valve between said branch and said delivery pipe and a main gate interposed between said branches.

1,628,842. WRENCH. JOHN H. HORSBURGH, Cleveland, Ohio. Filed Jan. 17, 1923. Serial No. 613,084. 11 Claims. (Cl. 81—127.)



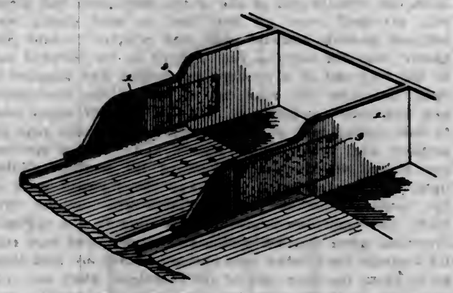
1. A wrench comprising fixed and movable jaws, a handle having spaced yoke arms integral therewith, a web integral with said arms, a fulcrum element on said web, and locking means for the movable jaw adapted to be actuated by said arms.

1,628,843. POWDER-APPLYING DEVICE FOR MEDICINAL PURPOSES. DANIEL T. HORTON, East Cleveland, Ohio, assignor to The Thyogen Company, East Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 20, 1921. Serial No. 493,844. 2 Claims. (Cl. 128—266.)



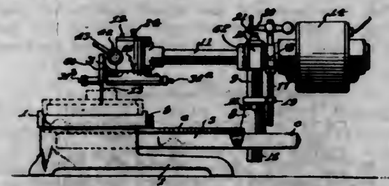
1. A powder-applying device for medicinal purposes comprising a stem and a tip or nozzle attached to the stem, said tip having rearwardly of the point of attachment, a rearwardly facing open ended cavity, and forwardly of the point of attachment having a front cavity, the stem having openings communicating with the rear cavity and the forward cavity having divergent forwardly directed discharge openings leading therefrom.

1,628,844. DIVISION BOARD FOR BOWLING ALLEYS. CHARLES B. HOUSER, Detroit, Mich. Filed July 21, 1925. Serial No. 45,062. 4 Claims. (Cl. 273—57.)



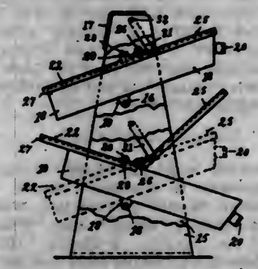
1. A division board for bowling alleys having strike plates of soft, tough material not liable to sliver or crack imbedded therein and extending over the entire impact area of the division board.

1,628,845. WOODWORKING MACHINE. CLARENCE W. JACKSON, Seattle, Wash., assignor of one-half to Charles Bilderback, Seattle, Wash. Filed Mar. 13, 1925. Serial No. 15,316. 16 Claims. (Cl. 144—134.)



1. A woodworking machine comprising a vertical adjustable support, a horizontal arm mounted for rotatable adjustment about a horizontal axis on said support, means for holding the arm in adjusted positions, a coupling means fixedly mounted on an end of said arm, a tool head supported by said coupling means and rotatably adjustable about an axis at right angles to the rotatable adjustment of the arm, a tool arbor journalled in the tool-head at an angle to the rotation of the head, means for holding said tool-head parts in adjusted positions, and means for actuating said arbor in its journals.

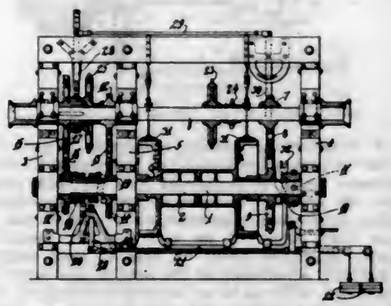
1,628,846. DISPLAY AND VENDING APPARATUS. CLARENCE E. KARST, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 23, 1926. Serial No. 124,529. 4 Claims. (Cl. 211—14.)



1. A display and vending apparatus comprising a supporting casing, a plurality of containers pivotally mounted with a limited pivotal movement and spaced

apart one above the other upon said casing and normally inclined with their forward ends depressed and their rear ends elevated, forward lid sections to close the forward ends of said containers each resting loosely upon the forward end of one of the containers and pivotally attached near its rear end to said casing and adapted to slide endwise upon and relative to said container, rear lid sections each hinged at its forward end to the rear end of a forward lid section and adapted to open and close the rear end of one of the containers, and link members pivotally attached at their upper ends to said casing and at their lower ends to said rear lid sections near where said forward and rear lid sections are hinged together, said forward lid sections sliding upon said containers to overhang the forward ends of the containers when the containers are inclined with their rear ends downwardly and sliding in the opposite direction when the inclination is reversed, and said rear lid sections each being automatically lifted by said links away from the rear end of its container when the container is inclined with its rear end downwardly, and automatically closed upon the rear end of its container when its container is inclined with its rear end upwardly.

1,628,847. ROTARY DRAW WORKS. LESTER H. KEIM, Pasadena, and RICHARD E. KLINE, Alhambra, Calif., assignors to Oil Well Supply Company, Los Angeles, Calif., a Corporation of California. Filed June 29, 1925. Serial No. 40,415. 3 Claims. (Cl. 254—187.)



1. In a three-speed rotary drawworks, the combination of a frame having end posts and an intermediate post and mounting a drive shaft, a drum shaft on the opposite side of the posts, the drum shaft carrying a drum, and a low-speed drive connection between the drum and adjacent end post, and intermediate and high speed drive connections located between the intermediate post and the other end post, one of said last named drive connections including a sprocket wheel provided with a hub mounting a clutch, and a drive sprocket mounted on the line shaft between the high and intermediate speed drive connections and adapted to be driven by said last mentioned clutch.

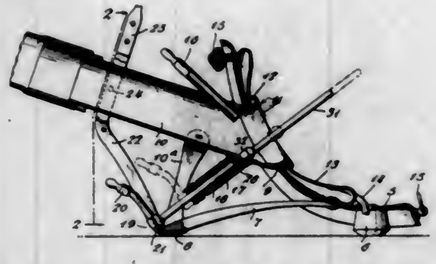
1,628,848. MEANS FOR STAPLING TAGS TO ARTICLES. RUSSELL B. KINGMAN, Orange, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a Corporation of Rhode Island. Filed Nov. 19, 1926. Serial No. 149,333. 3 Claims. (Cl. 1—2.)

1. In a machine for attaching label tags to penetrable articles, the combination with a wire staple forming mechanism and a driver, of stationary bending means beneath said driver, said bending means having chamfered bending noses beneath which the article may be held, and means to support and position a tag over said bending means whereby operation of said driver thrusts the



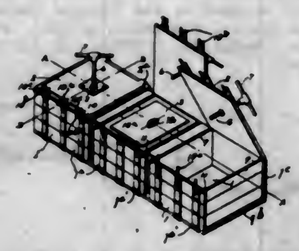
prongs of a formed staple through said tag into engagement with said bending noses which turn said prongs into penetrating engagement with the article.

1,628,849. MEDICAL APPARATUS FOR THE TREATMENT OF THE INTESTINES. ALBERT KLAIBER, Ridgewood, N. Y. Filed Apr. 12, 1926. Serial No. 101,297. 10 Claims. (Cl. 128—227.)



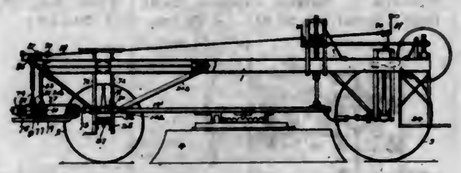
1. In a medical apparatus of the class described, a saddle including a body portion having a discharge opening, a feed tube, an anal tube connected to said feed tube and projecting through said opening, means for adjusting said feed and anal tubes in a longitudinal direction to vary the effective length of the latter tube, and means for yieldably supporting said anal tube in longitudinal alignment with said feed tube.

1,628,850. APPARATUS FOR TREATING FOOD-CONTAINING MATERIALS. ALFRED M. KLEIN, Wellington, Ohio, assignor, by mesne assignments, to The Piercy Company, Dover, Del., a Corporation of Delaware. Original application filed Jan. 2, 1925, Serial No. 147. Divided and this application filed July 11, 1925. Serial No. 43,038. 3 Claims. (Cl. 99—2.)



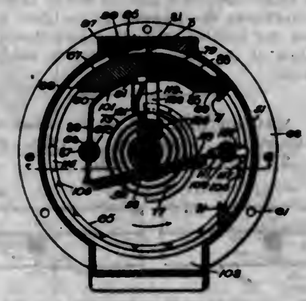
An apparatus for use in converting food materials comprising a container open at its top, a front wall comprising a plurality of horizontally hinged sections, means to attach the sections in closed relation to the container, a piston, a cover for the container, and means carried by the container to depress the piston.

1,628,851. ROAD-VEHICLE STEERING MECHANISM. JOHN M. LARSH, Indianapolis, Ind., assignor by direct and mesne assignments, of one-fourth to William Mode Taylor and one-fourth to Ulysses Grant Smith, Indianapolis, Ind. Filed Mar. 17, 1926. Serial No. 95,227. 23 Claims. (Cl. 280—33.6.)



1. The combination, with a road making machine having a body portion, of a front axle supporting the front end of the machine body; wheels supporting the axle at its ends; a tongue swingingly connected with the front axle; and means for changing the planes of the front wheels relative to the axle for steering the machine without changing the position of the tongue relative to the axle nor the position of the axle relative to the machine body.

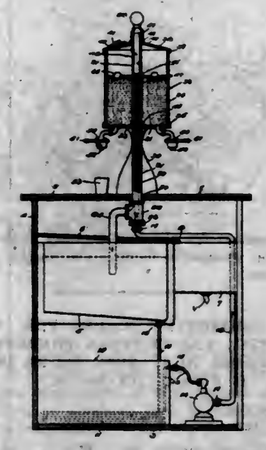
1,628,852. COIN-CONTROLLED APPARATUS. CHARLES LEA, Boston, Mass., assignor to The Automatic Merchandiser, Inc., Boston, Mass., a Corporation of Delaware. Filed June 15, 1921. Serial No. 477,819. 14 Claims. (Cl. 194—63.)



2. Coin-controlled apparatus having, in combination, a movable element, locking means for said element comprising a locking member and a part for engaging said locking member, said part connected to said element for relative movement, means permitting limited movement of said part relative to said element to permit limited movement of said element when said part is engaged by said locking member, and means rendered operative by the presence of a coin for causing said limited movement of said element to effect disengagement of said part and locking member.

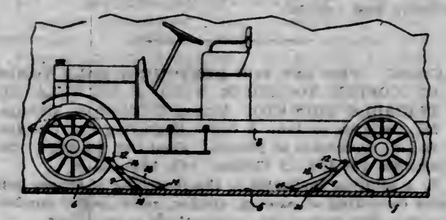
1,628,853. LIQUID DISPENSER. FRANK B. LOMAX, Chicago, Ill. Filed Mar. 6, 1926. Serial No. 92,759. 21 Claims. (Cl. 225—28.)

1. In combination, in a liquid dispensing system, means for cooling the liquid, a transparent receptacle for containing a predetermined amount of liquid for purposes of display, and impelling means for circulating the fluid



through the cooling means and the receptacle and for putting the liquid in the receptacle under a pressure greater than atmospheric pressure.

1,628,854. VEHICLE STAY BLOCK. CHARLES L. MICHOD, Chicago, Ill., assignor, by mesne assignments, to E. S. Evans & Company, Incorporated, Detroit, Mich., a Corporation of Delaware. Filed Jan. 15, 1924. Serial No. 686,297. 4 Claims. (Cl. 188—4.)

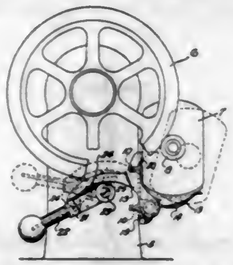


1. In a device of the class described, a frame comprising a pair of legs pivotally fastened together near their upper ends and diverging downwardly, means adapted to fasten the lower ends of the legs to a floor, and means on one of said legs adapted to engage a vehicle tire and prevent movement of the vehicle towards the device, comprising a bolt, a pair of bearings in which the bolt is pivotally mounted, the said bolt being curved outwardly between said bearings to fit the outer periphery of the tire.

1,628,855. MOTOR BRACKET. EDWARD MROSS and WILLIAM ERNST, Racine, Wis., assignors to Hamilton Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Apr. 30, 1926. Serial No. 105,767. 4 Claims. (Cl. 74—26.)

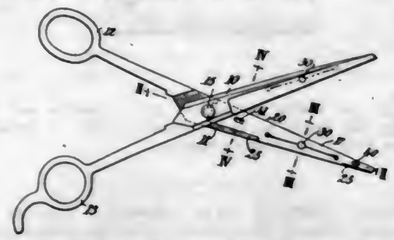
1. The combination with a sewing machine head having a hand wheel, of a motor bracket, comprising a bearing member secured to the side of the head, a saddle member pivotally carried by said bearing member, spring

means engaging the saddle member for yieldingly holding it in a normal position, a handle member connected with



said saddle member for pivoting it away from said head, and means for releasable locking the saddle member in pivoted position.

1,628,856. COMPOSITE BLADE FOR SCISSORS, SHEARS, ETC., AND CUTTERS THEREFOR. ISAAC PATRICK, Jamaica, N. Y. Filed May 23, 1925. Serial No. 32,316. 15 Claims. (Cl. 30—13.)

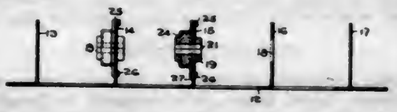


1. A composite blade comprising a cutter and a supporting part, and means for removably fastening said parts together, said means comprising a pin and slot connection between said cutter and supporting part, said connection being resilient whereby said parts may be resiliently held together.

1,628,857. PROCESS FOR REETCHING HALF TONES ON COPPER TOGETHER WITH A FORMULA APPLICABLE THERETO. VICTOR C. RONNING, Chicago, Ill., assignor to Jahn & Oliver Engraving Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 18, 1924. Serial No. 744,496. 2 Claims. (Cl. 134—1.)

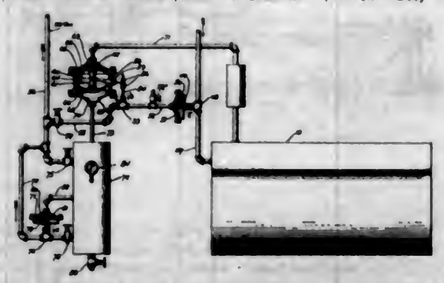
1. A solution applicable to the re-etching of copper half tones consisting of alcohol, shellac, rosin, borax powder, camphor, and aniline dye, substantially as described.

1,628,858. RESISTOR-SUPPORTING MEANS. GUY E. SHAWK, Mansfield, Ohio, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,861. 5 Claims. (Cl. 201—63.)



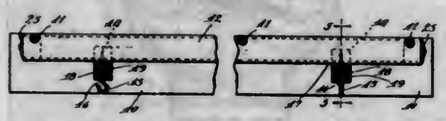
5. In an electrical heating unit, the combination with a metal plate having a plurality of punched-out, laterally-extending integral flange portions, each having a plurality of spaced openings therethrough, of a plurality of perforated thimbles, of refractory electric-insulationg material, each having a reduced end portion extending through an opening in said flange portions, members, of substantially cup-shape, surrounding a portion of said thimbles and having turned-over lugs for clamping said thimbles against the respective flange portions, and a resistor member extending through and between said perforated thimbles.

1,628,859. PRESSURE-REGULATING APPARATUS. WILLIAM C. SHIELD, Crockett, Calif. Filed Jan. 26, 1926. Serial No. 83,941. 4 Claims. (Cl. 50—10.)



1. A fluid regulating device, comprising in combination an apparatus for receiving said fluid at a fixed or gradually progressing pressure, a fluid supply line adapted to deliver fluid at a constant pressure to the apparatus, a valve interposed in the path of said fluid and between the source of supply and the apparatus, a control tank adapted to receive fluid from said source of supply, means for regulating the inflow of said fluid from the source of supply to the control tank whereby a desired pressure may be gradually established within the tank, a diaphragm valve controlling the main valve between the source of fluid supply and apparatus, means connecting said diaphragm valve with the source of supply whereby pressure on said diaphragm will act to open the valve and permit fluid to flow into the apparatus; a valve interposed between said diaphragm valve and the source of supply, and means controlled by the pressure of the fluid within the control tank for opening said valve and thereby permitting actuation of the diaphragm valve to admit fluid to the apparatus.

1,628,860. MAP OR DISPLAY RAIL. JOHN C. STEINKRAUS, Cicero, Ill. Filed Aug. 21, 1926. Serial No. 130,725. 2 Claims. (Cl. 248—48.)

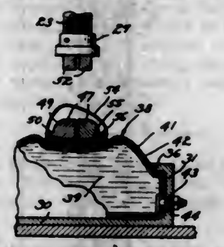


2. A map support adapted to be secured to the moulding of a room, comprising a hollow rail member having a longitudinal slot formed in one side thereof and extending throughout the length of said rail member, cylindrical plugs mounted in said rail member, supporting members secured to said plugs and extending through the slot in said rail member and members having sockets formed therein for the reception of yieldable material loosely mounted on said supporting members.

1,628,861. APPARATUS FOR CEMENTING SOLES TO SHOES. LAWRENCE P. TAYLOR, Los Angeles, Calif. Filed Sept. 8, 1925. Serial No. 54,986. 5 Claims. (Cl. 12—38.)

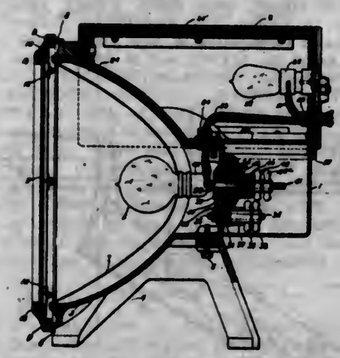
1. A device for attaching soles to shoes comprising: a pliable bag filled with noncompressible liquid; a box for supporting said pliable bag, said box having an inward projecting rim for holding said pliable bag in said box; an insert form adapted to be inserted in a shoe, said insert form having a rim and being expansible so

that said form may be extended to the extremities of the bottom of said shoe, said shoe having cement applied to the bottom and having a sole with cement applied thereto temporarily attached to the bottom thereof; and means engaging said insert form in a manner to exert a pres-



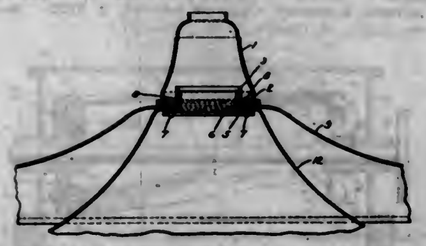
sure against the inner surface of the bottom of said shoe and to force said sole against said pliable bag while said cement sets, said pliable bag conforming to the shape of the bottom of said shoe and exerting a pressure against the bottom of said sole which is equal at all points.

1,628,862. LOCOMOTIVE HEADLIGHT. JOHN R. TOWNSEND, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 20, 1923. Serial No. 681,757. 9 Claims. (Cl. 240—7.12.)



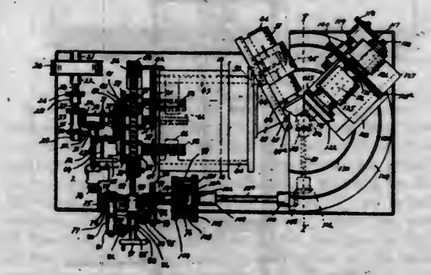
8. In an illuminating device, a reflector casing, a light-transmitting door in said casing, means for effecting a dust-and-moisture-proof closure thereof, a saddle detachably mounted on said reflector casing, a marker-light casing mounted on said saddle and an auxiliary casing detachably secured to said saddle.

1,628,863. SHADE HOLDER. JOHN R. TOWNSEND, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1924. Serial No. 684,973. 6 Claims. (Cl. 240—127.)



1. A shade holder comprising a canopy and two co-operating threaded members in said canopy, means for suspending a shade from one member and means in the other member for supporting a globe and for securing said shade, globe and canopy together.

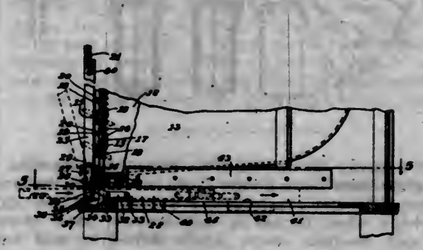
1,628,864. MACHINE FOR GENERATING GEARS. NIKOLA TESOJEVICH, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed May 7, 1923, Serial No. 637,372, and in Canada April 19, 1923. 85 Claims. (Cl. 90—4.)



1. In a gear hobbing machine, the combination of a work spindle and a hob spindle having their axes non-intersecting and nonparallel, a feed spindle for rotating one of said spindles about an axis intersecting the axis of said work spindle and in acute angular relation to the axis of said hob spindle, and means for rotating said three spindles to maintain a predetermined timed relation between said hob and work spindles.

15. In a gear hobbing machine, the combination of a work spindle, a hob spindle, a blank mounted on said work spindle, a hob mounted on said hob spindle, said hob having cutting teeth of the modified involute type, the member mounted upon one of said spindles being of conical form, and means for adjusting said spindles into acute angular relation such that said hob and said blank are tangent to a common plane upon opposite sides thereof, means for rotating said spindles in a timed relation, and means for feeding said hob into said blank.

1,628,865. CLOSURE AND ITS SUPPORT. BENJAMIN C. WEBSTER, Southport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed July 3, 1923. Serial No. 649,257. 5 Claims. (Cl. 45—52.)

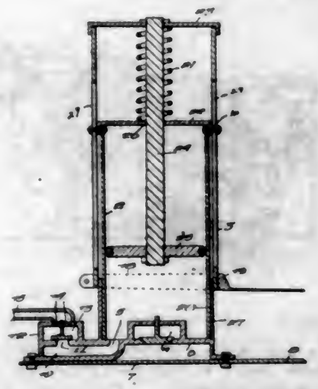


1. In a cabinet having an opening, a door, and a carriage in the cabinet on which the door is pivotally mounted and with which it slides, the carriage being of greater thickness than said door and holding the same in spaced relation to the cabinet and objects contained therein.

1,628,866. BATHER'S PUMP. NICHOLAS WEILER, Canton, Ill. Filed Apr. 17, 1924. Serial No. 707,260. 6 Claims. (Cl. 103—153.)

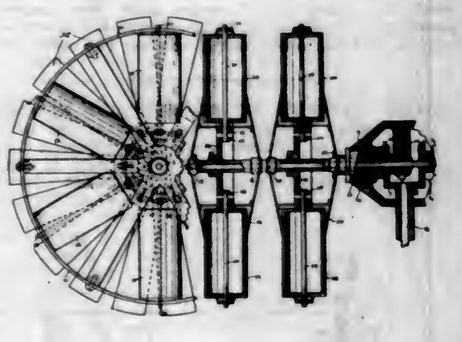
1. A water pump including a pair of cylinders slidable one over the other, the inner cylinder having a bottom with a water inlet and a water outlet, a valve within

said inner cylinder controlling said inlet, a valve controlling said outlet outside of said inner cylinder, and a nipple extending from said last valve, a cap for said



inner cylinder, said outer cylinder having opposing guide slots, bolts extending through said slots and forming securing means for said cap.

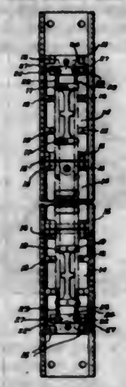
1,628,867. AIR MOTOR. LOUIS WERNICKE, West Bend, Wis. Filed Aug. 24, 1925. Serial No. 52,029. 2 Claims. (Cl. 170—39.)



1. A device of the character described, comprising a revoluble main shaft, a rigid sleeve surrounding the same, a revoluble sleeve surrounding a portion of the rigid sleeve, a wheel carried by said shaft, a wheel carried by said revoluble sleeve, means carried by said main shaft for revolving said wheels in opposite directions, a plurality of cylinders rotatably mounted in each wheel, means in connection with said rigid sleeve for rotating the cylinders of the wheels, a second shaft, and means for transmitting motion from the main shaft and said revoluble sleeve to said second shaft.

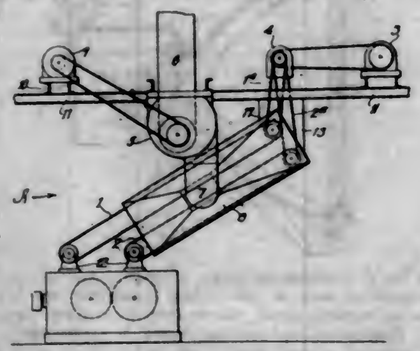
1,628,868. ELECTRIC HEATING UNIT. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 20, 1924. Serial No. 733,054. 3 Claims. (Cl. 201—63.)

3. An electric resistor supporting member comprising a base member, a plurality of opposed sets of aligned substantially straight members integral therewith and extending upwardly therefrom, and a plurality of aligned



members located between said sets of straight members, having an upwardly extending portion and an overhanging portion.

1,628,869. MASTICATING OF RUBBER AND APPARATUS THEREFOR. HARRY CLARANCE YOUNG, Sutton, and HENRY OWEN BURR, Walney, England, assignors to Dunlop Tire and Rubber Corporation of America, a Corporation of New York. Filed July 12, 1926, Serial No. 121,978, and in Great Britain May 1, 1925. 4 Claims. (Cl. 18—2.)



1. In combination with the rolls of a rubber masticating mill, a conveyor comprising a series of spaced rods joined at their ends to connecting links, and a fan adjacent said conveyor for distributing a current of air over the rubber carried on said conveyor.

1,628,870. ROTARY CUTTING HEAD. THEODORE C. ALFRED, Lancaster, Ohio. Filed Feb. 2, 1925. Serial No. 6,213. 6 Claims. (Cl. 146—121.)



1. A rotary cutting head comprising a frame adapted for rotation about a longitudinal axis, the outer portion of said frame being provided with a recess, arranged

transversely with respect to said axis, a blade holder including a rib arranged to be seated within said recess, binding devices for seating and maintaining the rib of said holder within said recess at various positions of longitudinal adjustment with respect thereto, and a cutting blade connected with said holder so that the cutting edge of said blade may be advanced or retracted tangentially with regard to the cutting circle of said blade in accordance with the longitudinal adjustment of the holder with respect to said frame.

1,628,871. FERTILIZER OR STRAW SPREADER. WILLIAM E. BRUCE, Randado, Tex. Filed Oct. 20, 1925. Serial No. 63,724. 10 Claims. (Cl. 275—1.)

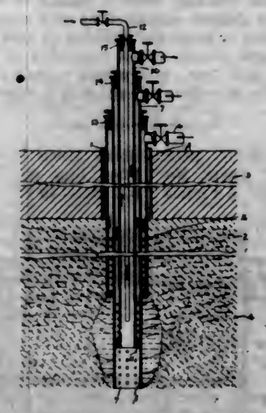


1. In a device of the type described, a platform, means for moving the platform in opposite directions and means operated by reversal of movement of the platform for causing one end of the platform to move into or out of engagement with the ground including a wheel supported axle for the platform freely shiftable from one end of the platform to the other thereof.

1,628,872. PROCESS OF PRODUCING A HYDRAULIC ALUMINOUS BINDING MATERIAL TOGETHER WITH AN IRON ALLOY. LÉONCE DE LAMBERT, Lyon, France, assignor of one-half to Pierre Zucco, San Francisco, Calif. Filed Apr. 17, 1924. Serial No. 707,299. 7 Claims. (Cl. 75—14.)

1. A process for simultaneously producing a hydraulic aluminous binding material and iron alloy comprising, heating a charge of ferro aluminous materials, phosphorous materials, a carbonaceous reducer and lime stone to liquation; and cooling the resultant products.

1,628,873. PROCESS OF SULPHUR MINING. AUGUST T. DRACHENBERG, Freeport, Tex. Filed June 17, 1926. Serial No. 116,585. 5 Claims. (Cl. 262—3.)



1. A process of subterranean sulphur mining through use of the liquid fusion system comprising delivering heated fusion fluid to the sulphur deposit, discharging at a level above said sulphur deposit a flow of mud laden liquid to fill the space above the sulphur and confine the fusion fluid to the sulphur zone, and removing the fused sulphur.

1,628,874. FARM PULVERIZER. JAMES A. EASTES, Mount Comfort, Ind. Filed May 28, 1926. Serial No. 112,224. 5 Claims. (Cl. 55—21.)



4. In a clod compactor and pulverizer, a rear roller formed of two cylindrical sections, crushing members projecting from the surfaces of the roller sections in spiral relation to the axis of the roller sections, the spiral relation on one section of the roller being opposed to that on the other section, a front roller formed of two cylindrical sections, crushing members projecting from the surfaces of the front roller sections in spiral relation to the axes of the roller sections, the spiral relation of the crushing members on one front section being opposed to that on the other front section and the spiral relation on each front roller section being opposed to that on the corresponding rear roller section, said crushing members having a relatively small projection from the roller surfaces as compared to the diameter of the rollers, and means for angularly positioning said front and rear roller sections with respect to each other whereby the angularity of the crushing members is varied with respect to the line of travel of the rollers.

1,628,875. HEATING UNIT. KARL EHRGOTT, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,676. 5 Claims. (Cl. 201—63.)



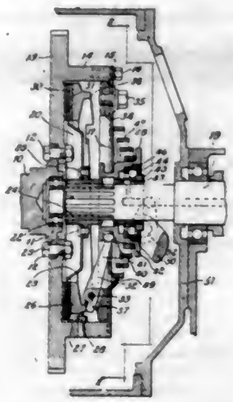
5. In a heating unit, in combination, a sheet-metal plate, spaced pairs of integral laterally-extending flange portions, alined notches in each pair of flange portions, insulating thimbles located in said notches, elongated sheet-metal members of substantially U-shape in lateral section and having notches in their side portions interfitting with said pairs of flanged portions and holding said thimbles in proper operative positions, and a resistor member extending through said thimbles and therebetween and distributed substantially uniformly over the plate.

1,628,876. ELECTRIC HEATING UNIT. KARL EHRGOTT, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 707,827. 7 Claims. (Cl. 201—63.)



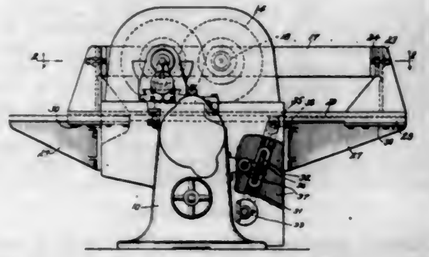
6. In an electric heating unit, in combination, a pair of co-operating flange portions, each flange having a plurality of spaced openings and a plurality of spaced integral lugs at the edge thereof bent to substantially arcuate form and in substantial alinement with each other, perforated refractory thimbles in said openings, a rod extending through said alined lugs to hold said flange portions and said thimbles in said openings, and a resistor member extending through said perforated thimbles.

1,628,877. FRICTION CLUTCH. DAVID E. GAMBLE, Chicago, Ill., assignor to The Borg & Beck Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1923. Serial No. 659,482. 20 Claims. (Cl. 192—68.)



1. In a friction clutch, the combination of a driving element, a driven shaft, a driven element rotatable with said driven shaft and movable longitudinally thereof, means carried by the driving element embracing the driven element, a thrust ring, a sleeve rotatably journaled upon the driven shaft, a collar rotatably journaled upon said sleeve, means operatively connecting said collar with said thrust ring, and yielding means disposed without the embracing means and cooperating with said collar for causing said connecting means to hold the driving and driven elements in frictional engagement.

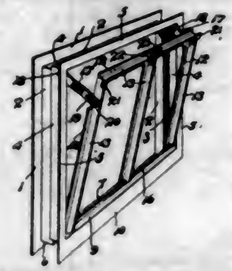
1,628,878. WORK CARRIER. FREDERIC E. GARDNER, Beloit, Wis. Filed Apr. 14, 1924. Serial No. 706,274. 12 Claims. (Cl. 51—114.)



1. A grinding machine comprising, in combination, a base, a pair of annular grinding elements disposed in opposed relation on said base, a slide mounted for reciprocation on said base below said grinding elements, a pair of brackets mounted on the ends of said slide, and a thin flexible work carrier adjustably secured at its opposite ends to said brackets and positioned to reciprocate between the opposed faces of said grinding elements.

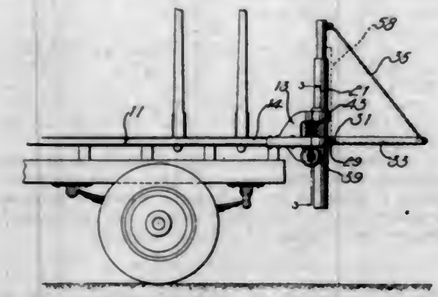
1,628,879. WINDOW CONSTRUCTION. JOHN J. GILLMAN, Muskegon, Mich., assignor to Solar-Polar Storm Sash and Screen Co., Muskegon Heights, Mich., a Corporation of Michigan. Filed July 21, 1924. Serial No. 727,115. 8 Claims. (Cl. 189—69.)

1. In a window construction, an open casing, a frame constructed for the placing of glass or screen therein and adapted to lie in said casing, links connected pivotally to the upper ends of the opposed vertical sides of the casing and having slotted lower end portions, headed pins passing through the slots into the vertical sides of the frame a short distance below the upper ends, detachable and pivotal interengaging means integrally formed



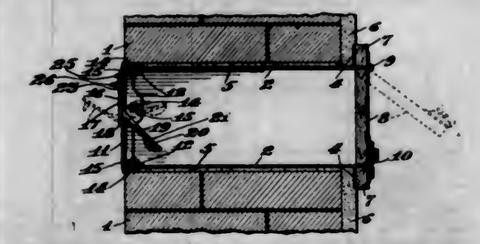
on the lower members of the frame and casing, and a laterally turned ear at the upper end of each of the vertical sides of the frame to extend over said links, substantially as and for the purposes described.

1,628,880. TRUCK ELEVATOR. WILLIAM H. HEISE, Los Angeles, Calif. Filed Mar. 20, 1926. Serial No. 96,167. 4 Claims. (Cl. 214—75.)



1. In combination: structure consisting of the floor of a vehicle; frames rigidly secured to the rear end of said floor; vertical bearings secured rigidly to said frames; vertical posts slidably supported by said bearings; a platform supported in horizontal position by said posts; racks formed on said posts; worms supported by said frames adjacent to said floor, said worms engaging said racks; and means for synchronously rotating said worms.

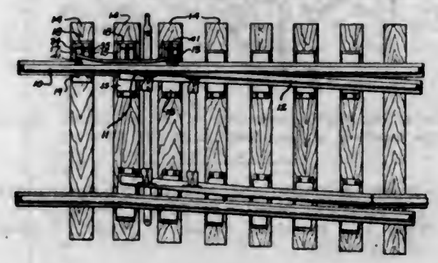
1,628,881. MAIL BOX. JOHN HELM and HENRY C. HELM, St. Louis, Mo. Filed June 23, 1925. Serial No. 39,028. 5 Claims. (Cl. 232—45.)



1. A wall panel for mail boxes and the like, having an opening therein, a closure element for said opening, comprising a door portion proper, having a shouldered bottom edge portion resting loosely and rockably on the lower

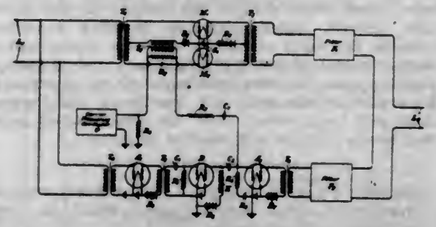
edge portion of said opening, said closure element having notches at its opposite ends coincident with its shouldered bottom edge portion, said notched portions loosely straddling the adjacent side marginal portions of said opening, and retaining studs projecting inwardly at opposite sides of said opening and overhanging said closure element but being normally free of contact therewith and permitting tilting of said closure element.

1,628,882. SWITCH-POINT GUARD. PAUL HOFFMAN, La Grange, Ill., and JAMES B. STRONG, Suffern, N. Y., assignors to Ramapo Ajax Corporation, New York, N. Y. a Corporation of New York. Filed Aug. 7, 1926. Serial No. 127,730. 19 Claims. (Cl. 246—441.)



2. A guard rail structure comprising a movable switch point adjacent thereto, spaced lugs engaging the underside of the running rail and a rib integral with the guard rail spaced from said lug, said rib extending from the head of the guard rail to a point beyond the plane passing through the curved ends of the guard rail.

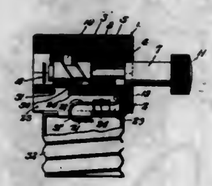
1,628,883. CARRIER AMPLITUDE-CONTROL SYSTEM. WILLIAM H. T. HOLDEN, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 27 1926. Serial No. 98,021. 10 Claims. (Cl. 178—44.)



1. In a signaling system, a source of signaling oscillations, a high frequency wave, means for controlling the amplitude of said high frequency wave in accordance with the amplitude of the oscillations of said signaling source, and a modulator for superimposing said signaling oscillations on said controlled high frequency wave, the amplitude of said high frequency wave impressed on said modulator decreasing as the amplitude of the oscillations of said signaling source increases, and vice versa.

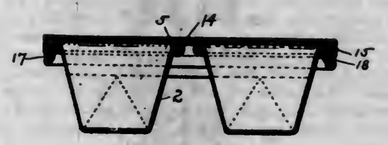
1,628,884. ELECTRIC SWITCH. WILLIAM LEE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed May 26, 1925. Serial No. 33,047. 1 Claim. (Cl. 173—346.)

A noiseless switch including an insulating base composed of upper and lower sections provided in their opposing faces with registering recesses, a rotary switch member mounted between the upper and lower sections and having a spirally grooved contact portion, a stud embedded in one of the sections and engaging the spirally grooved contact portion of the switch member and causing a longitudinal movement of the same when the switch member is rotated, a stationary switch contact mounted in one of the said recesses and having a con-



tact portion extending into the path of the movable switch member and arranged to be engaged by the inner end thereof, and a center contact secured to the insulating base and having a portion bearing against the spirally grooved contact portion of the rotary switch member.

1,628,885. COVERED BAKING PAN. JOSEPH GEORGE JACKSON, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Filed Mar. 9, 1925. Serial No. 14,143. 1 Claim. (Cl. 53—6.)



A multiple of pans attached together to form a unit, a reinforced lip extending outwardly around the upper edges of said pans, said lip being capable of lateral resilient movement, a cover for said unit, a rigid strap member reinforced and enveloped by the extended edges of said cover, and bosses on said cover reinforced by said strap member and arranged to engage with said lip.

1,628,886. MOLDED PLYWOOD. RAY P. JACKSON, Edgewood Park, GEORGE C. KENT, Turtle Creek, and ELBRIDGE J. CASSELMAN, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 13, 1922. Serial No. 528,964. 6 Claims. (Cl. 20—91.)

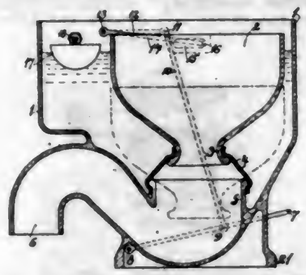


6. A method of forming composite material which comprises impregnating layers of wood with fresh, unoxidized phenolic condensation product, superposing a plurality of said treated layers and simultaneously applying a temperature of 120° to 150° C. and pressure ranging from 1,000 to 1,500 pounds per square inch thereto to form a unitary structure.

1,628,887. WATER CLOSET. OSCAR FREDRIK KARLSSON, Sodertalje, Sweden. Filed May 24, 1924, Serial No. 715,669, and in Sweden Apr. 11, 1924. 3 Claims. (Cl. 4—13.)

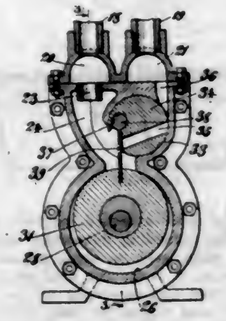
1. A water closet comprising an inner basin; movably connected at the bottom to the discharge and arranged in an outer receptacle for flushing water; the width of

the said inner basin decreasing downwards; and mechanical means for depressing the inner basin during



the whole of the flushing stroke to allow flushing water to overflow simultaneously from all sides into the inner basin.

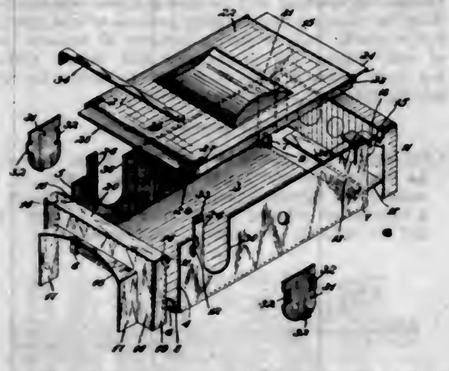
1,628,888. ROTARY PUMP. JOHN KLINGE, Dubuque, Iowa. Filed May 11, 1925. Serial No. 29,274. 4 Claims. (Cl. 103—132.)



1. A rotary pump comprising a pair of similar body members having open upper chambers on one side of each body and circularly bored valve seats on the other side a cover removably engaged over said members, said cover having inlet and outlet openings communicating respectively with the chambers and valve seat bores, said body having cylindrical bores in the main lower portions, a shaft passing axially through the last named bores, eccentrics fixed in opposed relation on said shaft, cylinders rotatable on said eccentrics, cylindrical valves in the mentioned valve seats, said valves each having tangential ports communicating with its corresponding chamber in said cover, said valves having bores adjacent their periphery parallel with their axes and grooves leading thereto, pivots operative in the bores of said valves, and plates on said pivots engaging radial slots in said cylinders, said plates transmitting rotary motion to said valves and serving as closures between the sides of the body members and for the ports in said valves.

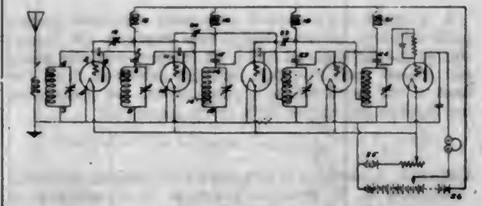
1,628,889. SWITCH BOX. HUBERT K. KRANTZ, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 9, 1920. Serial No. 402,351. 5 Claims. (Cl. 247—2.)

1. In a box, a bottom member, side members fixed thereto having inwardly-extending projections and slots adjacent thereto, an end member having interlocking members fitting within the said slots in the side members and preventing lateral displacement of the end member with respect to the side members, and a cover having a portion fitting beneath the said projections and



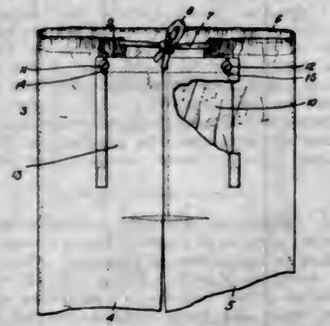
preventing relative movement of the end member and the side members in the direction of the slots.

1,628,890. METHOD AND MEANS FOR STABILIZING AMPLIFIERS. EDWARD H. LANGE, New York, N. Y. Filed Aug. 28, 1925. Serial No. 53,002. 5 Claims. (Cl. 179—171.)



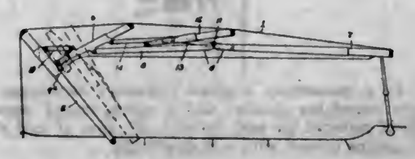
1. The method of preventing regeneration in a conductively coupled amplifier provided with a plurality of subsidiary amplifying means having, tuned input circuits, tuned output circuits, and inherent capacity between said circuits, which comprises inserting capacitance between the input circuit of one said means and the output circuit of another said means and thereby impressing upon the first said input circuit electromotive force substantially equal and opposite to that impressed upon said input circuit from the output circuit of said first means through said inherent capacity.

1,628,891. PYJAMA PANTS. AMELIA LEFKOWITZ, New York, N. Y. Filed July 15, 1925. Serial No. 43,690. 1 Claim. (Cl. 2—235.)



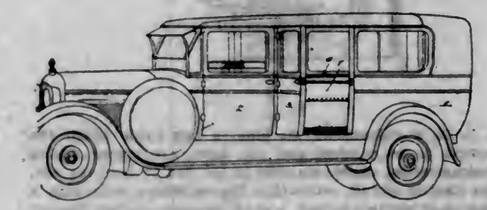
In pyjama pants, a body member provided at its front with a slit, and at its top edge with a shirred waistband open in front and with its end portions extending substantially to the slit, the end portions of the waistband being movable toward and from each other in order to shift the adjacent portions of said body member and thus to close and open said slit, said adjacent portions of said body member being free and adapted to meet together so as to completely close said slit throughout its entire length, a flap connected with said body member and wide enough to cover said slit whether open or closed, said flap being free to swing into different normal positions relatively to said body member in order to cover and uncover said slit, and means for securing said flap in position to cover said slit and thereby conceal the same.

1,628,892. TOP FOR VEHICLES AND THE LIKE. FRED K. LEWIS and CHARLES R. ALLEN, Ashtabula, Ohio, assignors to The Ashtabula Bow Socket Company, Ashtabula, Ohio, a Corporation of Ohio. Filed Nov. 2, 1921. Serial No. 512,274. 5 Claims. (Cl. 296—116.)



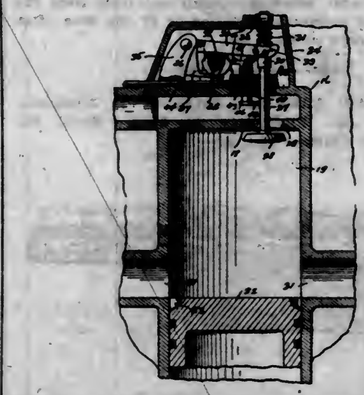
1. In a top for vehicles and the like, the combination of a main support attached to the top of the vehicle, a supplemental bow pivotally attached to said support, an articulated auxiliary bow pivotally attached to said supplemental bow, a second supplemental bow pivotally attached to the rear portion of said auxiliary bow, plural interconnected links connecting the outer portion of said auxiliary bow and said two supplemental bows, plural interconnected links connecting said first-named supplemental bow with said support and adapted to sustain the same in inclined position relatively to said support when the top is open, and means operatively connecting said two sets of interconnected links.

1,628,893. INNER RECEPTACLE FOR HEARSES. WALTER LIVINGSTON and ALBERT EDWARD LIVINGSTON, Hastings, Nebr. Filed Jan. 2, 1926. Serial No. 78,944. 2 Claims. (Cl. 296—16.)



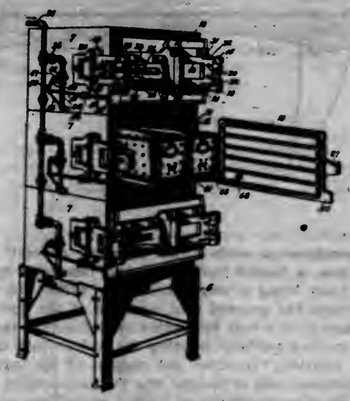
1. An inner receptacle for the body of a hearse, said inner receptacle comprising an elongated body closed at its inner end and having an opening in its rearward or outer end, said body being made of impervious, heat resistant material, a door hinged to said body for swinging movement to and from position to cover the opening in the rear end of the body, said door having a marginal rabbet in its inner face, and a sealing strip seated in said rabbet and adapted to contact with the rear end of said body when said door is closed so as to produce an airtight seal between said door and said body of the inner receptacle.

1,628,894. INTERNAL-COMBUSTION ENGINE. EDWARD H. MAUPIN, Dallas, Tex., assignor to Maupin Automotive Corporation, a Corporation of Texas. Filed Apr. 1, 1925. Serial No. 19,868. 8 Claims. (Cl. 123—29.)



3. The combination in an internal combustion engine, a mixing chamber communicating with the cylinders, exhaust manifolds, independent air pressure lines serving respectively the mixing chamber and the manifolds, means for controlling the delivery of fuel to the mixing chamber, and means for controlling and releasing the charge in the chamber to the cylinders and controlling the operation of the pressure line with respect to the mixing chamber.

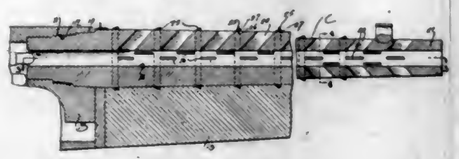
1,628,895. STEAM COOKER. WILLIAM MCKENNA, Chicago, Ill., assignor to Albert Pick & Company, Chicago Ill., a Corporation of Illinois. Filed Feb. 10, 1921 Serial No. 443,794. 6 Claims. (Cl. 126—20.)



1. In a steam cooker, the combination of a structure having a chamber therein adapted to retain steam to heat the products placed therein, and a door for access to the chamber, said door being pivoted adjacent one of its ends, a pipe for delivering steam into said chamber, a self-closing slide-valve in said pipe, adapted to control the entire volume of steam delivered to said chamber, means

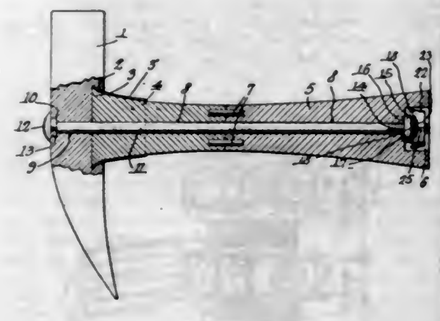
for securing the door closed, and a device between the door and said valve whereby the valve will be held open while the door is secured closed and instantaneously released so the valve will be automatically and completely closed to entirely cut off the supply of steam during the initial opening movement of the door, said device comprising an element which is entirely separable from the door to permit independent movement of the door after the valve has been closed.

1,628,896. GUN BARREL. COLUMBUS L. MEDEARIS, Shreveport, La. Filed May 28, 1926. Serial No. 112,312. 10 Claims. (Cl. 89—14.)



1. In a gun barrel the combination of a gun barrel body having a bore therethrough, said body having transverse exit ports therethru from the bore to the outer periphery thereof sloping forwardly from said bore towards the muzzle of the barrel.

1,628,897. HAMMER OR THE LIKE. ROBERT W. MILLS, Benton Harbor, Mich. Filed June 4, 1925. Serial No. 26,222. 1 Claim. (Cl. 306—38.)



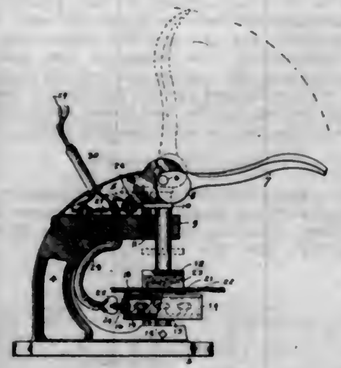
The combination with a tool having a dovetail groove in one face, a handle having one end insertable into the groove, there being a longitudinal bore within the handle and through the grooved tool, one end of the bore being counterbored, of a bolt removably seated within the bores having one end portion engaging the tool to hold the bolt against rotation, the other end portion of the bolt being screw threaded and extending into the counterbore, a disk loosely fitted on the bolt and having projections engaging a wall of the counterbore, said bolt being slidable in the disk, spaced projections on one face of the disk, a washer loosely mounted on the bolt and having radial arms held against rotation by the projections on the disk, said arms projecting radially beyond the disk, a nut engaging the threaded portion of the bolt and seated in the counterbore, and teeth upon the nut for snapping into engagement with the projecting ends of the arms, thereby to hold the nut against retrograde movement.

1,628,898. TELEPHONE TRANSMITTER. CHARLES R. MOORE, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1923. Serial No. 669,028. 9 Claims. (Cl. 179—122.)



1. In a transmitter, a sound responsive diaphragm, a carbon containing chamber and a conical-shaped closure of sheet material for said chamber, the apex of said closure making contact with said diaphragm.

1,628,899. ELECTRIC VULCANIZER. MORTON MURPHY, Indianapolis, Ind. Filed Oct. 8, 1926. Serial No. 140,395. 3 Claims. (Cl. 219—19.)



1. In a vulcanizing machine, a box upon which the article to be patched and the patch are placed during vulcanization, resistance coils in the box to heat the box, an electric circuit connecting the resistance coils with a source of electric energy, a shaft movable endwise toward and from that part of the box on which the patch is vulcanized to press the patch and article together during vulcanization, a cam for moving the shaft toward the box, means for operating the cam, means for moving the shaft away from the box, and a circuit make-and-break means opeated by the movement of the shaft.

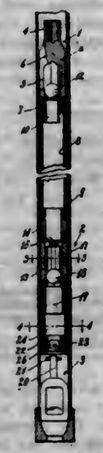
1,628,900. DEEP-WELL GAS AND OIL SEPARATOR. KARL P. NEILSEN, Long Beach, Calif. Filed May 13, 1926. Serial No. 108,767. 9 Claims. (Cl. 103—203.)

1. In a well having a pump a gas and oil separator, comprising an outer shell, a pipe within said shell and spaced therefrom, a tube extending into said pipe and opening into the pump, said shell having fluid intake ports extending therethrough into the space between the pipe



and shell, and gas outlet ports also extending from the space, and baffle plates on said pipe extending between the pipe and casing whereby the oil and gas are separated.

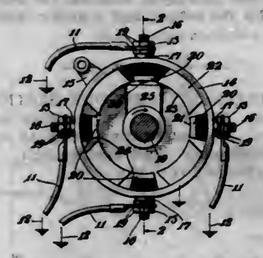
1,628,901. PUMP-PLUNGER ASSEMBLY. KARL P. NEILSEN, Long Beach, Calif. Filed May 18, 1926. Serial No. 109,628. 3 Claims. (Cl. 103—225.)



1. In a pump, a plunger in said pump, a top valve on said plunger, said top valve comprising an open cage, and a threaded box on the upper end of said cage, adapted to receive the end of the sucker rod, the lower end of said cage being threaded to screw into the top of the plunger and a valve seat adapted to screw into the lower end of the cage upon which a ball is adapted to seat.

1,628,902. COMMUTATING MECHANISM FOR IGNITION SYSTEMS AND THE LIKE. THOMAS P. NICKELL and WILLIAM H. RODEFELD, Richmond, Ind.; said Nickell assignor to Robert S. Blair, Stamford, Conn. Filed June 2, 1922. Serial No. 565,299. 7 Claims. (Cl. 200—26.)

3. In mechanism of the general nature of that herein described, in combination, a series of metal contact members having their active surfaces arranged in circular form, and a rotary contact member co-acting therewith and continuously engaging with a plurality of said first contacts and formed to bridge the space therebetween, the



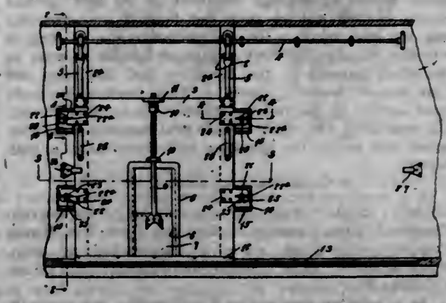
contact members of said series being alternately live and grounded, and said rotary contact member being adapted to bridge adjacent grounded contacts.

1,628,903. ATTENTION ARRESTER. JAMES H. NORTHROP, Santa Ana, Calif. Filed Apr. 12, 1923. Serial No. 931,570. 10 Claims. (Cl. 40—139.)



1. A sign board comprising a plate adapted to have printed matter thereon; a runway across said plate; light reflecting balls operable in said runway; means for continuously moving the light reflecting balls along said runway; and means for illuminating the moving objects to attract attention to said board.

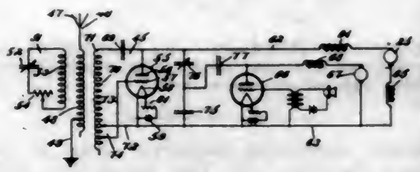
1,628,904. CAR-DOOR-SECURING MEANS. FRANK J. NOVAK and FRANK J. CISEK, Scappoose, Oreg. Filed July 14, 1925. Serial No. 43,643. 2 Claims. (Cl. 292—108.)



1. Car door securing means comprising a slotted keeper secured to the door, a retaining bolt secured to the car, a housing secured to the car by the retaining bolt and

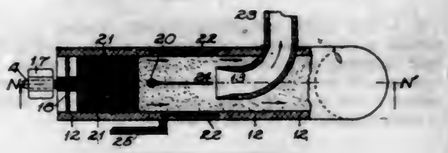
having an open side, a keeper-engaging bolt pivoted to the retaining bolt and located wholly within the housing when out of engagement with the keeper and adapted to be swung through the open side of the housing into engagement with the keeper, and a keeper-contacting nut carried by the keeper-engaging bolt.

1,628,905. WIRELESS TELEPHONE SYSTEM. ALEXANDER NYMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept 2, 1921. Serial No. 497,951. 2 Claims. (Cl. 250—6.)



1. In a wireless transmission system, an oscillation-generator system including condensive and reactive elements, a constant supply of exciting energy therefor, an antenna circuit and an absorbing circuit operatively associated therewith, and a modulating circuit including reactance elements, one of which is a variable-impedance element adapted to vary the amplitude and the frequency of the high-frequency energy generated by said oscillation-generator system in accordance with sound waves, said antenna and absorbing circuits being so tuned that said modulations in frequency effect opposite variations in the power absorbed by each circuit.

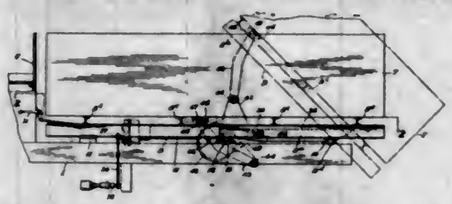
1,628,906. AIR CLEANER. JOSEPH FRANCIS O'BYRNE, Golden, Colo. Filed May 12, 1926. Serial No. 108,550. 4 Claims. (Cl. 183—7.)



1. A dust separator comprising, in combination, a tubular member of insulating material, a second tubular member extending through the wall of the first tubular member, and having its open end located concentrically inside the first member, means for causing a current of air to flow through the first mentioned tubular member in a direction opposite to the direction that the open end of the second member points, a high tension electrode located axially of the tubular members, a cylindrical electrode located in the walls of the first mentioned tubular member and means for charging said electrode to a high potential.

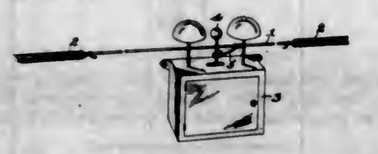
1,628,907. DUMP TRUCK. GORDON R. PENNINGTON, Cleveland, Ohio, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 30, 1924. Serial No. 723,077. 5 Claims. Cl. 298—21.)

1. In a hoisting mechanism for elevating the pivotally mounted body of a dump truck, the combination of an elongated plunger; a guide therefor adapted to be mounted on the chassis frame of the truck; means for moving the plunger on its guide; and means adapted to operatively connect the plunger to the truck body comprising a crosshead, a guide for said crosshead adapted
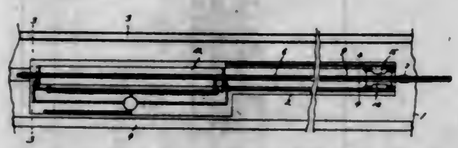


to be mounted on the said chassis frame, and connecting means between the plunger and crosshead adapted to permit their relative bodily movement in two planes substantially at right angles to each other.

1,628,908. ALARM. STIVIN POULOS, Boston, Mass. Filed May 8, 1926. Serial No. 107,719. 9 Claims. (Cl. 116—104.)



7. A mechanically operated signal system for a building having a plurality of compartments, a sound producing member in every compartment, a soft malleable hook mounted on an inflammable cord, said hook normally engaging the sound producing member to retain same inactive, and operable spring means for pulling said hook to straighten the same, and thereby release said sound producing member in every compartment.

1,628,909. TRUCK CONVEYER. NORMAN H. PREBLE, Detroit, Mich., assignor to The Cecil R. Lambert Company, Inc., Detroit, Mich., a Corporation of Michigan. Filed July 9, 1923. Serial No. 650,510. 5 Claims. (Cl. 104—162.)

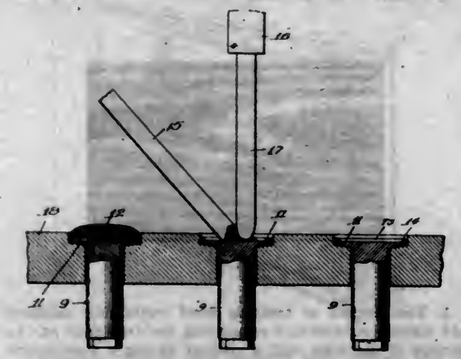


1. The combination with a longitudinally reciprocable bar, of rolls supporting said bar, members longitudinally spaced upon said bar for advancing a truck, power means connected to said bar for reciprocating the same and a wheeled carriage affording additional supporting means for said bar carried by the power means intermediate said rolls.

1,628,910. CERAMIC PROCESS AND PRODUCT. THEODORE C. PROUTY and WILLIS O. PROUTY, Hermosa Beach, Calif., assignors, by mesne assignments, to American Encaustic Tiling Company, Ltd., Los Angeles, Calif., a Corporation of New York. Filed Mar. 7, 1925. Serial No. 13,883. 65 Claims. (Cl. 25—156.)

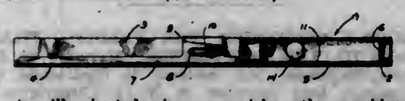
1. The process of manufacturing ceramic articles which comprises the operations of subjecting the bisque to a maximum heat limited to a relatively narrow range of temperature and forming the bisque mixture of material that has a relatively narrow range of contraction within said range of temperature.

1,628,911. ELECTRICALLY-WELDED VALVE TAPPET. GEORGE R. RICH, Battle Creek, Mich. Filed Nov. 5, 1926. Serial No. 146,313. 3 Claims. (Cl. 219—10.)



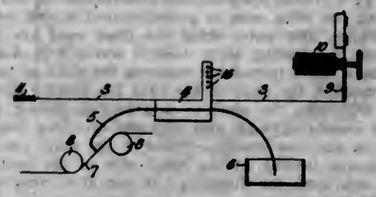
1. A composite metal article of manufacture, comprising a steel shank having a steel seating surface, and a white iron crown electrically deposited on said steel seating surface.

1,628,912. ILLUMINATED SIGN. STEVEN A. RICE, San Francisco, Calif. Filed Aug. 10, 1926. Serial No. 49,220. 2 Claims. (Cl. 40—133.)



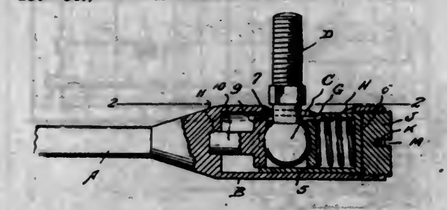
1. An illuminated sign comprising the combination of a comparatively shallow sheet metal box open at the front, an electric light therein, a removable metal front plate having characters stencil cut therethrough, a colored backing plate carried by the stencilled plate at the rear thereof, flanges integral with the edges of the stencilled plate and bent backward therefrom in a manner to receive and to hold the backing plate, and a pair of independent members extending respectively along the ends of the box therein and spaced from the front marginal edge of the box in a manner providing a pair of vertical slideways for receiving the ends of the combined front plate and backing plate thereinto.

1,628,913. SIPHON AND LIKE RECORDER. JOHN RIDDLE, London, England, assignor to Telegraph Construction and Maintenance Company, Limited, London, England. Filed Nov. 21, 1924, Serial No. 751,290, and in Great Britain Aug. 16, 1924. 8 Claims. (Cl. 178—91.)



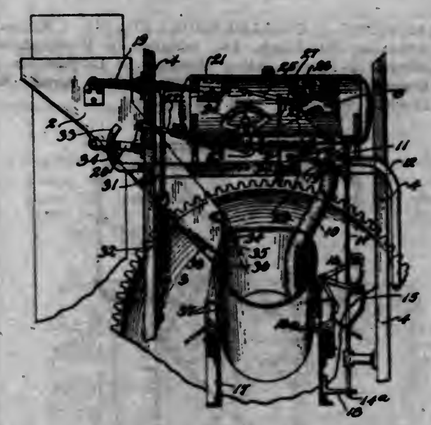
1. In a recording instrument of the type in which a movement of a marking instrument is recorded on a moving slip of material, the combination of a strip of flexible material, a marking instrument carried wholly by said strip, and means giving a rapid intermittent pull upon one end of said strip longitudinally thereof to vibrate said strip laterally or at an angle to the direction of its length toward and away from the slip of material.

1,628,914. STEERING CONNECTING ROD FOR AUTOMOBILES. MARTIN C. RIDENOUR, Kingwood, W. Va., assignor of one-sixth to Thomas M. Ridenour and one-sixth to Minnie L. Ridenour, Kingwood, W. Va. Filed Dec. 11, 1925. Serial No. 74,819. 1 Claim. (Cl. 287—90.)



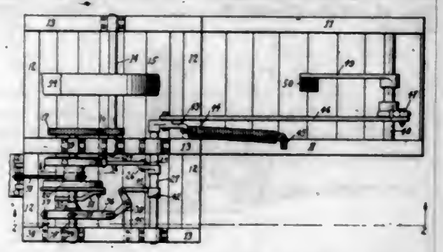
In combination with a ball and socket joint; wherein the joint includes a socket casing having one end open and having a slot, a ball for reception in the socket casing, one end of the slot being larger than the ball to permit insertion of the ball in the casing and the other end being smaller than the ball and long enough to permit the projection of a shank from the ball, a retaining spring in the casing for exerting pressure upon the ball to retain it adjacent the smaller end of the slot, a nut closing the open end of the casing and tensioning the spring to exert pressure upon the ball; of a sleeve rotatably mounted within the socket casing and having one end closed and the other end open and provided with a longitudinally extending slot starting at the open end and terminating a distance from the closed end, the width of said slot being less than the diameter of said ball, said sleeve housing the spring and ball, and said nut being adapted to abut the closed end of said sleeve to tension said spring.

1,628,915. CEMENT-MEASURING AND WATER-PROPORTIONING DEVICE. JOHN F. ROSS, Cleveland, Ohio, assignor to Koehring Company, Milwaukee, Wis. Filed June 22, 1926. Serial No. 117,663. 17 Claims. (Cl. 83—73.)



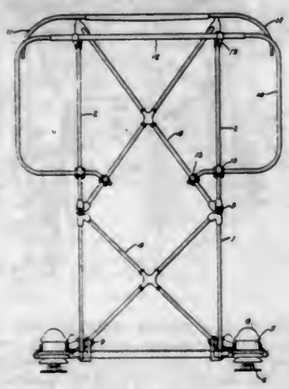
1. In combination, a mixing machine, and a cement and water proportioning means associated therewith comprising a water tank, a cement receptacle, means to supply cement to the receptacle to vary its position according to the weight of the cement therein, a mixing drum, means for supplying water from the tank to the mixing drum, and means for varying the volumetric capacity of the tank in accordance with the movement of the cement receptacle under the influence of cement received in the latter.

1,628,916. HOISTING MECHANISM. GEORGE T. RONK, Fairfield, Iowa. Filed Feb. 24, 1925. Serial No. 11,305. 3 Claims. (Cl. 254—187.)



1. In combination, a supporting frame, a drum shaft, a cable drum rotatively mounted on said shaft, said drum having at one end a brake drum and at its opposite end a driving drum, a driving arm secured to said drum shaft, a lever pivoted to said arm, an external clutch band for said driving drum having one end connected to said driving arm and its other end connected to one end of said pivoted lever, the free end of said lever extending inwardly adjacent to said driving shaft, a conical sleeve slidably mounted on said shaft and designed to engage said pivoted arm to tighten said brake band, an external brake band for said brake drum, a rock shaft, a control lever, means for imparting movement from said control lever to said rock shaft, means for operatively connecting said rock shaft with said conical sleeve, means for operatively connecting said rock shaft with the brake band of said brake drum, the parts being so arranged that when the rock shaft is in one position of its movement the brake band will be drawn taut and the conical sleeve released, and when in another position of its movement the brake band of said brake drum will be released and the conical sleeve moved into contact with said pivoted arm for locking said driving drum and said driving shaft in unison, and a spring for applying yieldable pressure to said brake band.

1,628,917. TROLLEY-SHOE GUARD. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 26, 1925. Serial No. 18,408. 3 Claims. (Cl. 191—73.)



1. A current-collector device comprising an extensible pantograph frame, a collector shoe secured thereto, and a guard member comprising a transversely extending member secured to the pantograph frame independently of said shoe to constitute a brace, the ends of which terminate in loops.

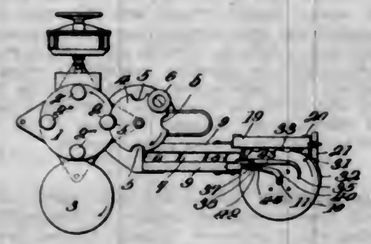
1,628,918. IMITATION DRIFTWOOD AND PROCESS OF MANUFACTURING SAME. CARL E. SCHMIDT, Oscoda, Mich. Filed May 24, 1926. Serial No. 111,452. 7 Claims. (Cl. 41—41.)



1. The method of treating wood containing cellulose and lignose constituents comprising the treatment of the surface of the same with a reagent having a more active solvent action on one of said constituents than on the other, and subsequently removing the parts of the wood affected by the solvent action.

6. An imitation of an aged wood such as drift wood and the like comprising a commercial wood object formed to the desired general configuration, the surface of said wooden object being pitted at places corresponding to the location of the cellulose constituents of the wood.

1,628,919. MECHANISM FOR FEEDING FILLED CANS TO CLOSING MACHINES. MATTHEW M. SEDWICK, Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Jan. 11, 1924. Serial No. 685,599. 16 Claims. (Cl. 198—22.)

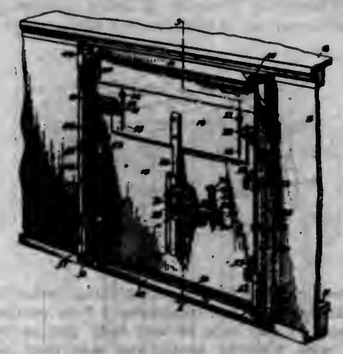


1. In a closing machine, the combination of means for feeding the filled cans in predetermined spaced relation, a rotating disk onto which the filled cans are fed at random, a rotating shaft located above said disk and having a spiral thread for engaging the cans on the disk intermediate the ends of the cans for spacing the cans and delivering the same to said feeding means, a cam ledge associated with said disk for directing the filled cans on the disk into the thread of the shaft and yielding means located on the other side of the cans from said cam ledge for directing one can at a time to said threaded shaft.

1,628,920. DOOR CLOSURE FOR RAILWAY CARS. EDWARD M. SENFTLE and FRANK ECKERT, Buffalo, N. Y. Filed May 21, 1925. Serial No. 31,748. 18 Claims. (Cl. 20—27.)

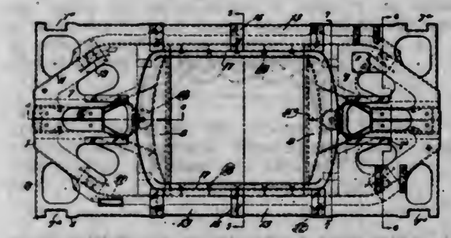
1. A closure for a railway car having a doorway, comprising a carriage mounted for lengthwise movement on the exterior of the car, a door for closing said doorway,

and means for mounting said door on said carriage and constructed to permit of moving said door inwardly and



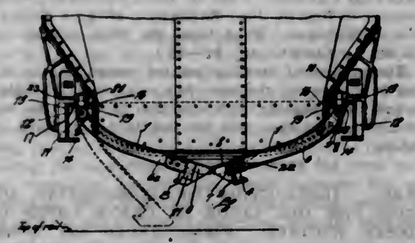
outwardly through said doorway and pressing said door outwardly against the inner side of the car wall.

1,628,921. UNDERFRAME FOR ORE CARS. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed July 21, 1922. Serial No. 576,527. 18 Claims. (Cl. 105—415.)



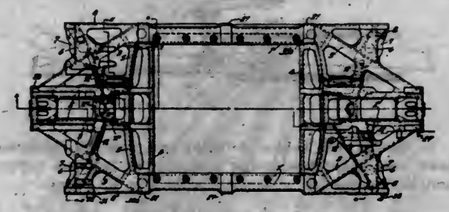
1. A cast steel underframe having a centrally arranged hopper opening, the end walls of which are curved and obliquely disposed.

1,628,922. DUMPING DOOR AND MOUNTING. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Nov. 9, 1925. Serial No. 67,828. 10 Claims. (Cl. 105—250.)



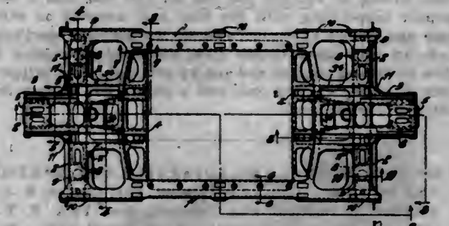
3. In a dumping car door, a beam extending along an edge of the door and including a vertical flange substantially paralleling the door edge but spaced therefrom, there being openings in said flange at intervals along its length, door stiffening members extending transversely of said beam and through said openings, and elements extending transversely of said beam and bracing said edge from said flange intermediate to said stiffening members.

1,628,923. HOPPER-CAR STRUCTURE. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 19, 1925. Serial No. 76,479. 45 Claims. (Cl. 105—415.)



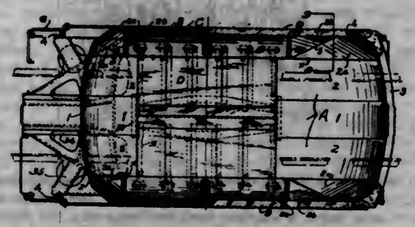
3. In a car framing, a striking plate, side sills, diagonal sills extending inwardly and longitudinally of the underframe from the ends of said side sills to the end of the underframe at a point spaced from the face of said striking plate, and an end post connected to the side of the striking plate in front of the end of said diagonal sill.

1,628,924. CAR UNDERFRAME. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 28, 1925. Serial No. 77,928. 21 Claims. (Cl. 105—415.)



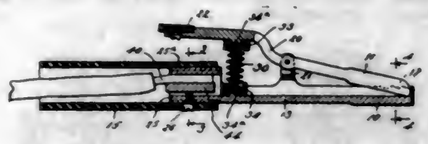
3. In a one piece car underframe casting, a bolster, bearings on said bolster near the ends thereof for pivotally engaging a truck, and draft sills projecting outwardly from said bolster intermediate said bearings, and bolster reinforcing members extending transversely of the bolster adjacent to said bearings.

1,628,925. RAILWAY CAR. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 7, 1926. Serial No. 79,782. 46 Claims. (Cl. 105—250.)



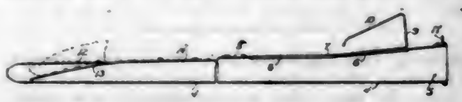
2. In a hopper car, a car side wall and side floor, an end floor comprising a flat central section, a section on each side of said central section curved toward the side of the car and toward the longitudinal center of the car, and flat sections on the sides of said curved sections extending toward the side of the car and toward the longitudinal center of the car and connected to said side wall and side floor.

1,628,926. ELECTRODE HOLDER. CLIFFORD F. SHORT, North Long Beach, Calif. Filed Nov. 23, 1925. Serial No. 70,834. 4 Claims. (Cl. 219—8.)



1. An electrode holder including two pivotally connected jaws, one of the jaws being semi-circular in cross section and having notches at opposite points in its edges.

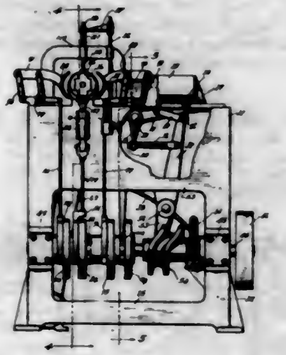
1,628,927. INSTRUMENT FOR INSERTING CONTINUOUS BATS INTO UPHOLSTERY PLAITS. MAURICE JOSEPH STACK, Cohoes, N. Y. Filed Feb. 16, 1926. Serial No. 88,626. 12 Claims. (Cl. 226—44.)



1. An instrument of the class described, comprising a tube having an entrant end and an exit end, and a bat gripper cooperating with the tube and mounted on said tube and located at the exit end for the purposes specified.

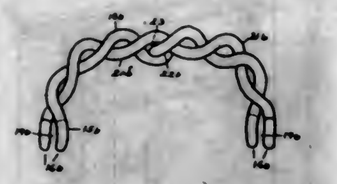
2. An instrument of the class described comprising a tube having an entrant end and an exit end, a bat gripper located at the entrant end, and a second bat gripper located at the exit end.

1,628,928. METHOD AND APPARATUS FOR MAKING CAN BODIES. WILLIAM E. TAYLOR, East Orange, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 2, 1923. Serial No. 636,073. 10 Claims. (Cl. 113—12.)



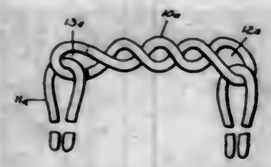
1. A machine for forming can bodies of the lap seam type, comprising a forming horn, a holder for blanks adjacent said horn, a suction feed for removing the blanks downwardly from said holder, means for limiting the movement of said suction feed in accordance with the flexibility of the blank in the position assumed, means for feeding the separated blanks directly to said mandrel, means for arranging the blanks in body form upon the mandrel, and means for welding the blank edges to maintain exact relationship therebetween during a subsequent seam finishing operation.

1,628,929. ANTISKIDDING DEVICE. ALBERT R. THOMSON, Derby, Conn. Filed June 29, 1923. Serial No. 648,584. 6 Claims. (Cl. 152—14.)



4. A tread element for an anti-skidding device formed of wire and hardened and comprising a body portion and end portions at the ends of said body portion for cooperating with terminal hooks, and said body portion being composed of similar parts of wire that are opposed and adjacent and also twisted and that individually extend from end to end of said body portion.

1,628,930. TREAD MEMBER FOR ANTISKIDDING DEVICES. ALBERT R. THOMSON, Derby, Conn. Filed Mar. 26, 1925. Serial No. 18,413. 1 Claim. (Cl. 152—14.)



An active tread member for an anti-skidding device made of a single piece of wire that is bent adjacent the middle to provide an open loop and a pair of strands connected to the arms of said loop, the free ends of said strands being swaged to provide a hook structure, the said strands being positioned side by side and twisted, said strands being normally separated one from the other by an open space and the axis of said strands being substantially straight.

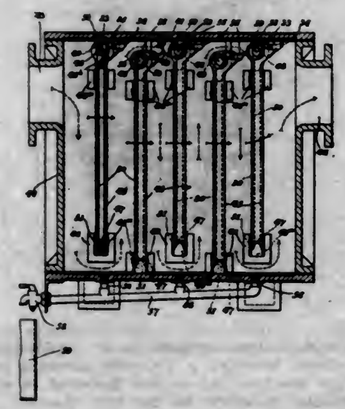
1,628,931. PROCESS FOR TREATING WAXED AND PRINTED PAPERS. PAUL H. TODD, Kalamazoo, Mich., assignor to Renard, Inc., Kalamazoo, Mich., a Corporation of Michigan. Filed Sept. 13, 1926. Serial No. 135,281. 9 Claims. (Cl. 92—18.)

1. The process of treating printed waxed papers consisting in submerging the same in a solution of tri-sodium phosphate, and heating with agitation to cause the wax to rise to the surface and the ink to be dissolved, as specified.

1,628,932. ABSTRACTION OF LUBRICATING OIL FROM THE OIL VAPOR IN CRANK CASES OF DIESEL ENGINES. ROBERT TRAILL and ROBERT STRACHAN, Glasgow, Scotland, assignors to The Fairfield Shipbuilding & Engineering Company, Limited, Glasgow, Scotland. Filed Dec. 7, 1925, Serial No. 73,745, and in Great Britain July 11, 1925. 2 Claims. (Cl. 183—70.)

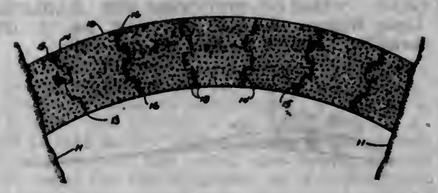
1. In an internal combustion engine of the Diesel type, apparatus which is accessory to the engine and comprises, in combination, means operated independently of the

engine for removing oil fog from the crank case continuously, a combined mechanical separator and filter containing filtering media in staggered relationship, the oil vapor being partly arrested within the interstices of the



said media and partly caused to settle to the bottom of the casing therefor, means whereby the oil abstracted is collected and means whereby the clarified air is allowed to pass into the atmosphere.

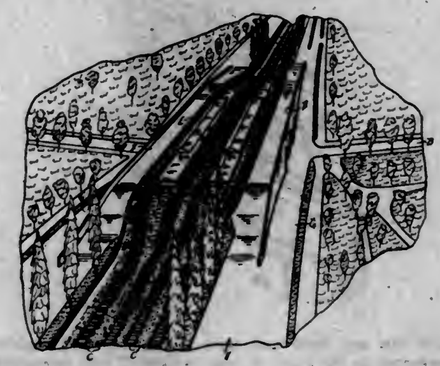
1,628,933. METHOD OF GROUTING. ARTHUR E. TROIBL, Berkeley, Calif. Filed Nov. 11, 1925. Serial No. 68,272. 4 Claims. (Cl. 72—106.)



1. A method of constructing concrete dams and the like in adjacent units and thereafter grouting the space between such units, consisting of securing a form to the exposed face of the poured unit in a position whereby the adjacent unit will be poured therearound and connected thereto, the shape and arrangement of the form being such as to provide a conduit between the two units, pouring the second unit and permitting the same to set and thereafter grouting the space between the units formed by their shrinkage by forcing liquid cement into the conduit and outwardly therefrom into the said space.

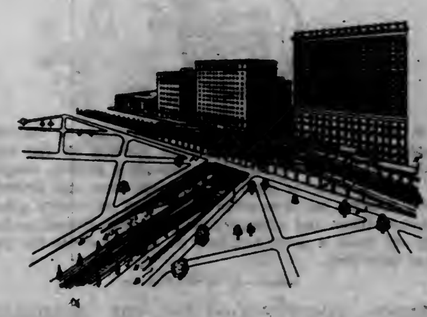
1,628,934. HIGHWAY CONSTRUCTION. DANIEL L. TURNER, New York, N. Y., and JOHN P. HALLIHAN, Detroit, Mich. Filed Aug. 3, 1925. Serial No. 47,978. 7 Claims. (Cl. 104—124.)

3. A highway comprising parallel high speed and low speed lanes having frequent points of inter-communication and at the same grade for the greater part of their extent, a crossing highway at a lower grade than said first mentioned highway, downwardly inclined portions of said low speed lanes forming inter-communication with



said crossing highway at the grade thereof and upwardly inclined portions of said high speed lanes for passing uninterruptedly over said crossing highway.

1,628,935. SUPERHIGHWAY. DANIEL L. TURNER and JOHN P. HALLIHAN, Detroit, Mich. Filed Aug. 3, 1925. Serial No. 47,974. 4 Claims. (Cl. 104—124.)

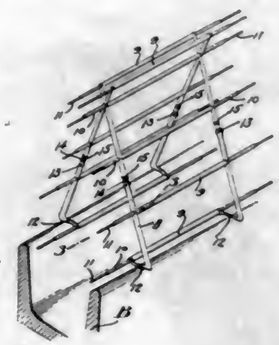


2. A highway crossing construction comprising parallel high speed and low speed lanes extending in one direction, parallel high speed and low speed lanes extending in a transverse direction, the low speed lanes of each highway intersecting at the same level, the high speed lanes of one highway being elevated above said low speed lanes at the point of crossing and the high speed lanes of the other highway being depressed below said low peed lanes at said crossing, upwardly inclined portions connecting the elevated lanes on opposite sides of said crossing, and downwardly inclined portions connecting said depressed lanes on the opposite sides of said crossing.

1,628,936. DRYING RACK FOR BATHTUBS. FRANCES M. TURNER, Minneapolis, Minn., assignor of one-half to Joseph E. Cardarelle, Minneapolis, Minn. Filed Mar. 8, 1926. Serial No. 93,183. 1 Claim. (Cl. 68—84.)

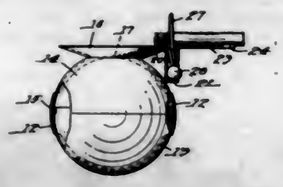
A drying rack applicable to a bath tub and comprising pairs of legs, the legs of each pair being in diverging relation, connected near their upper ends and arranged to straddle a bath tub and be spread or contracted to fit

bath tubs of different widths, the lower ends of said legs being extended laterally inward to afford feet having concave under sides adapted to fit over the rim of the



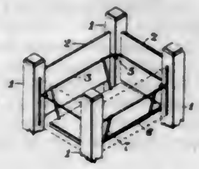
bath tub and hold said legs, and horizontal members connected to the pairs of legs, certain of said horizontal members being connected to the inner ends of the feet.

1,628,937. CIGAR AND CIGARETTE HOLDER. BERNARD E. WALBERG, Worcester, Mass. Filed June 17, 1926. Serial No. 116,729. 5 Claims. (Cl. 131—51.)



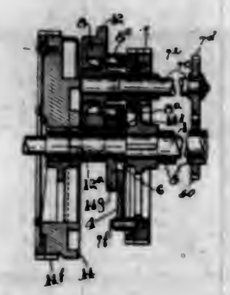
5. As an article of manufacture, a cigar or cigarette holder comprising a pair of arms pivoted on the same axis each having an upwardly extending portion adapted to grasp a cigar or cigarette between them and provided with weights on them adapted to hold an article placed between them, and a substantially horizontal rest projecting out from a point adjacent to the pivot for the purpose described.

1,628,938. CONSTRUCTION FOR THE ASSEMBLING OF BOX-LIKE STRUCTURES, SUCH FOR EXAMPLE AS BOXES, TABLES, AND THE LIKE. GEORGE P. WASHBURN, Portland, Oreg. Filed Apr. 9, 1925. Serial No. 21,878. 6 Claims. (Cl. 217—43).



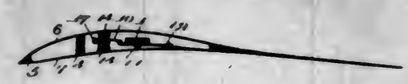
6. A tee box comprising mortised corner members serving as legs, side members tenoned for engagement with said corner members, a loop member peripherally disposed inside said box and capable of resisting tensional stresses, angle members engaging said loop member, screw means for drawing said corner members diagonally inward, and a closure member and means engaging said loop member for holding the closure member.

1,628,939. VARIABLE-SPEED MECHANISM. JOHN HARRY WELLS, Boston, Mass., assignor to Multisize Rotary Press Co., Limited, Toronto, Canada. Filed Sept. 24, 1925, Serial No. 58,433, and in Canada Sept. 30, 1925. 14 Claims. (Cl. 74—7.)



1. In variable speed mechanism the combination of a rotary driven member; a rotatably mounted carrying member; a speed-varying member journaled on said carrying member eccentric to the axis thereof; gearing between said speed-varying member and the driven member; means including a ratchet device for imparting a stepwise rotary movement to the speed-varying member during one portion of each revolution of the carrying member whereby the speed of the rotary driven member is varied relative to the speed of the carrying member; means including a cam adapted to co-operate with the speed-varying member to gradually absorb the momentum thereof at the end of its partial revolution; and means for positively locking the speed-varying member from rotation on its axis during the other portion of each revolution of the carrying member while the speed varying member is not being moved by the ratchet device.

1,628,940. WING CONSTRUCTION FOR AIRPLANES. JACOB WENGER, Highland, Ill. Filed Jan. 7, 1925. Serial No. 1,082. 3 Claims. (Cl. 244—12.)

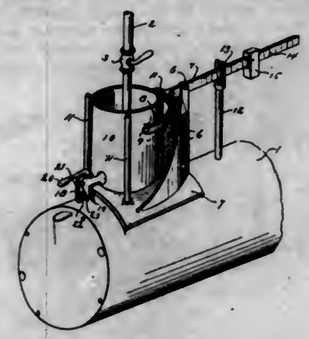


1. An airplane wing having a relatively fixed support, means constituting a mounting for the wing being rigidly secured to the support and permitting free vibration of the wing, and means including a lever carried by the support being so movable in respect to parts of the wing as to progressively regulate the freedom with which said vibrations may take place.

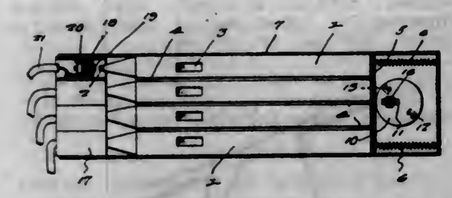
1,628,941. ICE-CREAM MACHINERY. GEORGE HALL WHITE, Washington, D. C., assignor to George P. Sacks, Bradley Hills, Md. Filed Apr. 16, 1921. Serial No. 462,068. 12 Claims. (Cl. 249—54.)

1. The combination with an ice cream freezer of a mix control device including a receptacle and a scale beam to one end of which said receptacle is connected, a feed pipe leading into said receptacle, means controlled by the position of the receptacle for governing the supply from the feed pipe to the receptacle, a discharge pipe leading from the receptacle, a manually operable valve in said pipe, the freezer being formed

with an opening to receive the discharge pipe when the commodity receptacle is depressed, and means operated in the opening movement of the manually operable valve when the receptacle is depressed to lock the receptacle to the freezer.



1,628,942. SPARK-PLUG TESTER. WILLIAM G. WILLIAMS, Kingwood, W. Va., assignor of one-half to Arthur Gribble, Kingwood, W. Va. Filed Oct. 7, 1924. Serial No. 742,170. 2 Claims. (Cl. 175—183.)



1. In a spark plug testing device of the class described, a casing of elongated form, said casing being substantially flat and oblong in cross section, a plurality of sleeves fitted into one end of the casing, contacts arranged in said sleeves, conductor wires connected with said contacts, and a plug testing unit slidably mounted in the casing, said unit being made up of a plurality of conventional self contained spark plug testers arranged in side by side abutting relation, each tester comprising a body having a contact at one end cooperable with the adjacent one of the first named contacts, a sight opening for a spark gap, a transparent closure for the sight opening, means connecting all of said testers together to group them together forming said unit, and means in such casing for sliding said unit to render said testers effective.

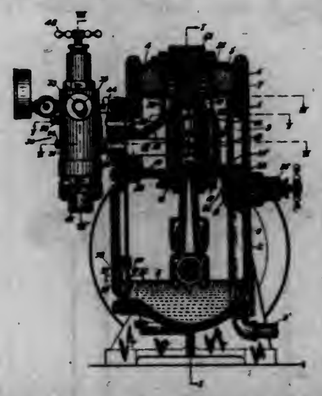
1,628,943. APPARATUS FOR PUMPING LIQUIDS. EDSON R. WOLCOTT, Los Angeles, Calif. Filed Oct. 16, 1924. Serial No. 743,972. 8 Claims. (Cl. 103—235.)

1. A liquid pump comprising a plurality of working chambers located contiguously one above another so as to form a substantially continuous series of such chambers, a liquid conducting passage extending within and substantially coterminous with each of said working chambers, each of said liquid conducting passages communicating at its lower and upper ends respectively with the next higher working chamber, check valve means in each of said liquid conducting passages permitting only upward flow of liquid therethrough, means for creating relatively high pressure and relatively low pressure in alternate working chambers, and means for periodically



changing the condition in each working chamber from relatively high pressure to relatively low pressure, and vice-versa.

1,628,944. COMPRESSOR FOR REFRIGERATING APPARATUS, FRANCIS E. WRIGHT, Cleveland, and RALPH M. WARNER, East Cleveland, Ohio. Filed Feb. 1, 1924. Serial No. 689,838. 9 Claims. (Cl. 230—6.)

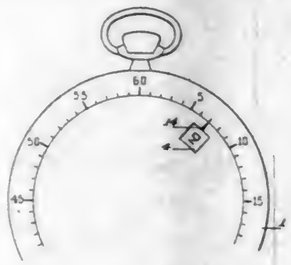


1. In a compressor, the combination with an exterior housing comprising a body member and a removable top; of a cylinder within said body member provided with a gas inlet and a gas outlet; said body member being provided with interior walls forming a crank chamber and a chamber separate from said crank chamber communicating with said outlet; said separate chamber being provided with an oil pocket having a valve-controlled outlet discharging into said crank chamber below the lower end of said cylinder.

1,628,945. COMPOSITION FOR TREATING FRUIT AND THE LIKE. ERNEST M. BROGDEN, Santa Monica, Calif., assignor to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed Aug. 9, 1924. Serial No. 731,207. 11 Claims. (Cl. 99—8.)

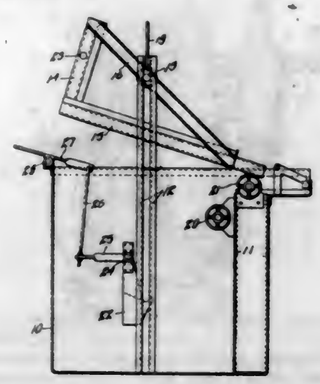
1. As a new article of manufacture, a composition useful especially for preservatively coating fruit and the like which comprises a waxy material and a liquid vehicle consisting principally of kerosene, mixed together in such proportions that it can be spread on fruit to produce a film coating of paraffin thereon, said composition being free of ingredients harmful to fruit.

1,628,946. TIME-INDICATING DEVICE. GEORGE H. BROWN, Paris, France. Filed Apr. 19, 1926, Serial No. 103,111, and in France Mar. 11, 1926. 4 Claims. (Cl. 58—127.)



1. A device for indicating time comprising in combination a first dial fixed and graduated, a second movable dial mounted on the same axis as the first dial, a window in the movable dial and means connected to the movable dial provided with numbers, and means for presenting the numbers abruptly and successively in registry with said window.

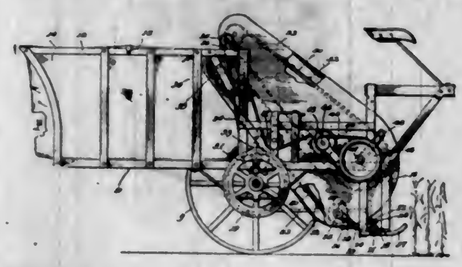
1,628,947. COMBINED THAWING TANK AND DUMPING APPARATUS. LEON BUEHLER, Jr., and NORMAN M. SMALL, Waynesboro, Pa., assignors to Frick Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed July 2, 1925. Serial No. 41,218. 7 Claims. (Cl. 62—105.)



1. The combination of a thawing tank having an outlet, a cage for cans movable up and down in the tank, means adjacent one side of the cage for guiding it in its up and down movement said means permitting the cage to tilt to one side at the upward limit of its movement for dumping the cakes of ice from the cans, and connections whereby the cage may be raised and lowered, said connections being arranged to permit vertical loading of the cans into the cage substantially as set forth.

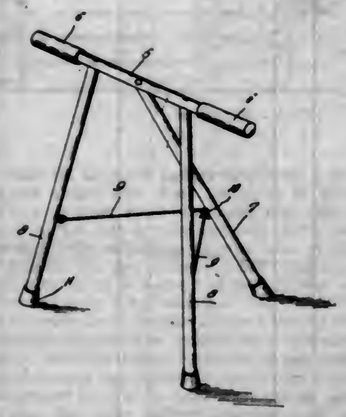
1,628,948. HARVESTER. LOUIS CARTER, Marston, N. C. Filed July 27, 1923. Serial No. 654,228. 1 Claim. (Cl. 56—158.)

A harvester comprising a frame having a forward depending portion, an axle intermediate the ends of the frame, wheels at the ends of the axle, an upwardly and rearwardly inclined casing at the front of the frame having its lower end close to the ground and open and provided in opposite sides with arcuate slots, said casing being entirely enclosed with the exception of the entrance at the lower end and a discharge at the upper end, cutting and gathering mechanisms at the lower end of the depending portion of the frame opposite the opening of the casing, upper and lower conveyer belts completely housed within the casing to receive the harvest from the cutting mechanism and deliver it through the



upper end of the casing, the lower end of the upper conveyer being supported on a shaft which is adjustable in the said arcuate slots, drive mechanism for the conveyers disposed at one side of the casing and connected to one of the wheels, and drive mechanism for the cutting mechanism located at the opposite side of the casing and connected to the other wheel, both drive mechanisms being independent of each other and disposed exterior of the casing.

1,628,949. INVALID SUPPORT. MARY CATHRINE, Galesburg, Ill. Filed Mar. 31, 1926. Serial No. 98,811. 3 Claims. (Cl. 272—63.)

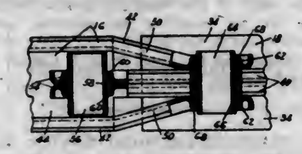


1. In an invalid support of the class described, a horizontal handle bar, adapted to be disposed in front of the user, a leg extending downwardly and directly forwardly from the handle bar intermediate the ends thereof, and an additional pair of leg members extending downwardly and rearwardly from the respective ends of the handle bar.

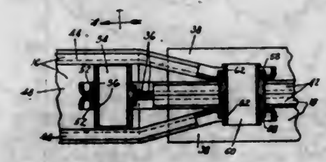
1,628,950. BRAKE. OTTO B. CLARK, Evansville, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed July 23, 1926. Serial No. 124,318. 8 Claims. (Cl. 188—250.)

2. A brake comprising, in combination, a shoe having a cylindrical friction part and a pair of spaced arms projecting beyond and within the curve of said friction

part, a separate bushing secured to said arms at their end and serving as a connection between the arms, a pivot anchor for the shoe received in said bushing, and a second shoe having a cylindrical friction part and having an anchoring arm extending beyond and within the curve of the friction part and projecting through the opening defined by said arms and said bushing and by the end of the friction part of the first shoe.



1,628,951. BRAKE SHOE. OTTO B. CLARK, Evansville, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1926. Serial No. 125,464. 5 Claims. (Cl. 188—250.)



5. A brake shoe having two portions formed with alined openings, a bushing in said openings having shoulders adjacent said portions and facing away from the center of the shoe with the metal of said portions of the shoe about the openings displaced over the shoulders of the bushing to lock the bushing permanently to the shoe.

1,628,952. TREATMENT OF FURNACE GASES TO RECOVER ZINC OXIDE. JOHN F. CREGAN, Pueblo, Colo., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 12, 1922. Serial No. 581,231. 8 Claims. (Cl. 23—148.)

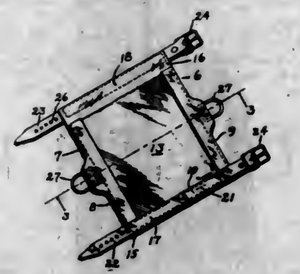
3. The process of forming zinc oxide, which consists in forming in a reverberatory furnace a zinc fume, subjecting said fume to a reducing atmosphere at a high temperature by adding thereto an excess of reducing gas, to reduce oxides formed during smelting, and then oxidizing the fume.

1,628,953. PROCESS OF MAKING ZINC OXIDE. JOHN F. CREGAN, Pueblo, Colo., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 25, 1924. Serial No. 745,794. 18 Claims. (Cl. 23—148.)

1. The process of producing zinc oxide directly from zinc bearing material, which comprises smelting the material, passing the distilled zinc vapor to a settling chamber to settle out foreign material, removing said vapor and mixing air therewith, then conducting said mixture into a burning chamber and permitting combustion therein to convert the zinc vapor into oxide.

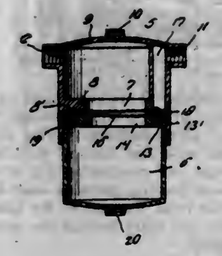
1,628,954. CARD-DISPLAY RECEPTACLE FOR AUTOMOBILES. HANSON H. DEDMON, Berkeley, Calif. Filed Dec. 29, 1923. Serial No. 683,370. 5 Claims. (Cl. 40—10.)

1. A card display receptacle for automobiles comprising a compartment having a flexible back wall, edge members arranged on said back wall forming pockets along adjacent edges thereof, a flexible transparent front wall having its edge portions disposed in said pockets, an edge



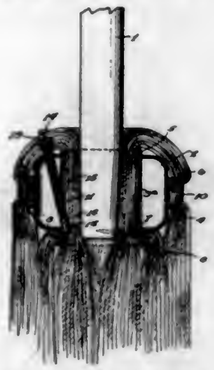
member fixed to said back wall and adapted to be folded over an edge of said front wall, and means for securing the receptacle in flexed position around the steering post of said automobile.

1,628,955. OIL FILTER. JOHN W. DE PRIES, McCoy, Oreg. Filed May 12, 1926. Serial No. 108,570. 1 Claim. (Cl. 210—165.)



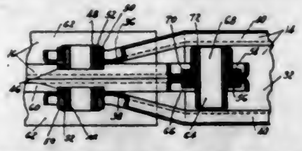
In an oil filter of the class described, a pair of interfitting cylindrical filter chamber sections arranged in superposed relation, the upper section being formed with inlet and outlet openings adjacent the top thereof, the adjacent bottom and top wall of the upper and lower sections being formed centrally with registering openings, the adjacent faces of said walls being formed with oil channels arranged concentrically of the openings, a filter screen arranged horizontally between the bottom and top walls of the upper and lower sections respectively, and consisting of a metallic ring, and a filter screen within the center thereof, said ringe being formed with spaced openings adapted to register with the aforementioned oil channels, the top wall of the lower section being formed with openings in registration with the openings in said filtering ring for permitting the oil to pass into the lower section, and a pipe formed within the upper section for delivering the oil from the inlet opening to the oil channel in the bottom wall of the upper section, the oil thence passing through the openings in the filter ring and the lower section top wall into said lower section and thence upwardly through the filter screen into the upper section, and then through the outlet opening of said upper section.

1,628,956. FOUNTAIN MOP. LESTER DOAK, McMinnville, Tenn. Filed Mar. 17, 1926. Serial No. 95,402. 5 Claims. (Cl. 15—138.)



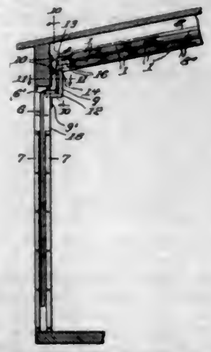
1. A mop comprising an annular fount provided with an outlet in its inner wall, thrums passing through the opening of the fount and extending across the outlet in the inner wall thereof and a handle set into the opening of the fount and serving to secure the thrums therein.

1,628,957. BRAKE SHOE. ADIXL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 4, 1926. Serial No. 139,388. 8 Claims. (Cl. 188—250.)



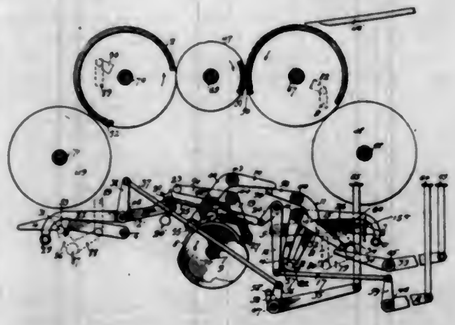
8. A brake shoe having at its end a pair of spaced stiffening webs formed with co-axial openings in combination with a pair of pivot bushings having flanges engaging the faces of the webs and bearing portions projecting through the openings, and reinforcing and retaining members sleeved on said bearing portions and engaging the opposite faces of the webs, the end of the bearing portion being displaced over the outer face of the retaining member to hold it in place.

1,628,958. GRAIN DOOR. EUGENE DUGAW, Tacoma, Wash. Filed May 17, 1926. Serial No. 109,700. 5 Claims. (Cl. 20—34.)



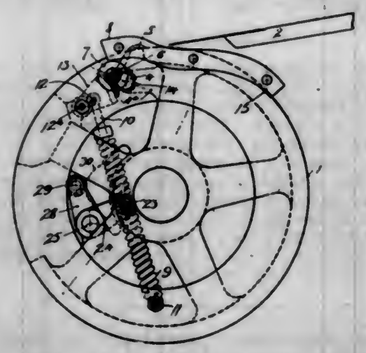
1. In combination with a car and its doorway, a grain door comprising a plurality of sections, each section having a socket in its lower edge and a reduced upper edge, the reduced edge of one section fitting in the socket of the other section, a projection at each end of each section, a track at each side of the doorway engaged by the projections, guideways at the sides of the doorway terminating short of the upper end of the doorway for receiving the ends of the sections, double tracks at the top of the car for receiving the sections, latches for holding the sections in the double track parts and a track section for connecting the track in each side of the doorway with each double track part.

1,628,959. CYLINDER-TRIPPING DEVICE FOR MULTICYLINDER PRESSES. FRED S. ENGLISH and THOMAS L. PERRY, New London, Conn., assignors to The Babcock Printing Press Manufacturing Company, New London, Conn., a Corporation of Connecticut. Filed June 12, 1922. Serial No. 567,694. 15 Claims. (Cl. 101—184.)



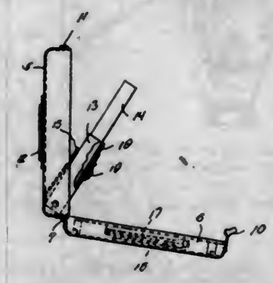
1. In a press the combination of means for tripping a cylinder, power means for operating the same, manual means for initiating the operation of the tripping means, and means whereby the cylinder may be tripped through said initiating means after the later is operated too late for said power means.

1,628,960. GRIPPER-TENSIONING MECHANISM FOR PRESSES. FRED S. ENGLISH and THOMAS L. PERRY, New London, Conn., assignors to The Babcock Printing Press Manufacturing Company, New London, Conn., a Corporation of Connecticut. Filed May 6, 1925. Serial No. 28,355. 5 Claims. (Cl. 101—409.)



1. In a press the combination of a cylinder, grippers thereon adapted to engage and hold a sheet for movement with the cylinder, means for operating the grippers to engage and hold the sheet, and means for applying an auxiliary or additional closing pressure upon said grippers at the moment they are closed upon the sheet and adapted to automatically release said auxiliary pressure before the grippers are opened, said auxiliary means including a spring for exerting closing pressure on the grippers.

1,628,961. BATHER'S CIGARETTE AND MATCH CASE. GEORGE H. EYER and ELWOOD S. SNYDER, Nutley, N. J. Filed Aug. 26, 1926. Serial No. 131,703. 1 Claim. (Cl. 206—38.)



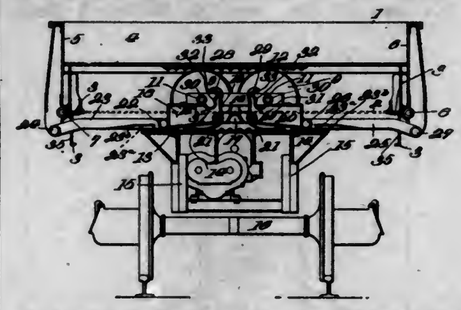
In a cigarette and match case for bathers, a pair of hingedly interconnected case sections, means whereby the sections may be secured in closed relation, means whereby the case may be supported upon the suit of the bather means within one case section for facilitating the attachment of a package of matches therein, a holder for cigarettes pivotally disposed within the other case section, means within the case section for swinging said holder outwardly of the sections when the case is open, the front face of said cigarette holder being provided with coin receiving depressions, and means at the lower ends of the depressions for rigidly securing the coins therein.

1,628,962. LINGERIE CLASP. ESTELLA M. FLETCHER, Portland, Oreg. Filed Aug. 28, 1926. Serial No. 132,180. 2 Claims. (Cl. 24—78.)



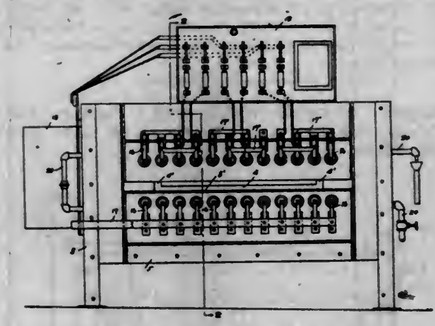
1. In a device of the character described, the combination of a body portion bent over midway its ends, projections formed upon the inner side of one of the end sections, a hook formed upon one of the end sections adapted to engage with, and maintain the end section of the opposite side in intimate contact therewith, a projection formed along one side of one of the end sections, an engaging element associated with the projection and a tab associated with the engaging element.

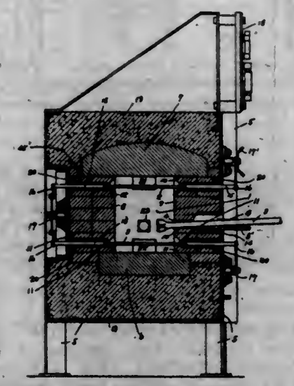
1,628,963. DUMP CAR. HENRY FORT FLOWERS, Findlay, Ohio. Filed Nov. 6, 1923. Serial No. 673,115. 14 Claims. (Cl. 105—269.)



1. A dump car including a body adapted to be moved laterally and tilted for dumping, means for moving said body laterally and subsequently tilting the body to dump the contents thereof, a door at the side of said body, and means operated by the lateral movement of said body for opening said door.

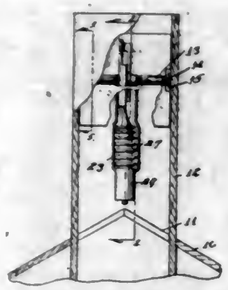
1,628,964. DRILL-HEATING FURNACE. HAROLD K. FOX, Fresno, Calif. Filed Mar. 15, 1926. Serial No. 94,642. 6 Claims. (Cl. 204—64.)





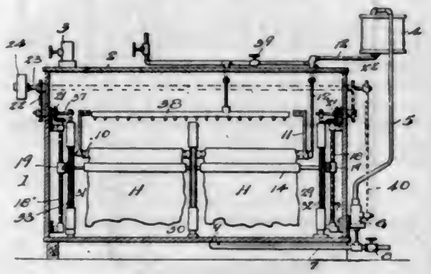
1. A furnace provided with means for heating the same and a slot in the side of the furnace adapted for the insertion of tools to be heated for passage along the slot said slot having enlargements at spaced points for the passage of the heads of the tools and a restricted portion to prevent their withdrawal connecting the enlargements.

1,628,965. VENTILATOR. HENRY GIESE, Ames, Iowa, assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa, a Corporation of Iowa. Filed Apr. 28, 1926. Serial No. 105,193. 4 Claims. (Cl. 236—49.)



1. In combination, a building having an upright ventilating flue, a damper for opening and closing said flue, a temperature controlled mechanism, means actuated by said temperature controlled mechanism for moving said damper from a partially closed position to an open position, or vice versa, through a certain predetermined temperature range, means for locking said damper in its open position at times when the temperature rises above said predetermined temperature range and for locking said damper in its partially closed position at times when the temperature falls below said predetermined temperature range.

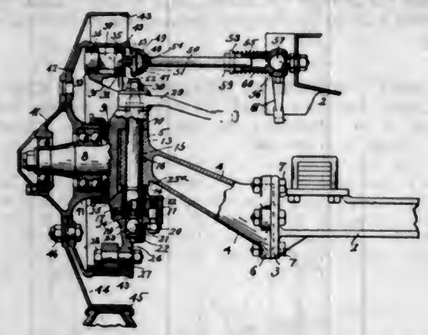
1,628,966. TANNING APPARATUS. CHARLES JOHN GLASEL, New York, N. Y. Filed Sept. 16, 1919. Serial No. 324,191. 5 Claims. (Cl. 149—9.)



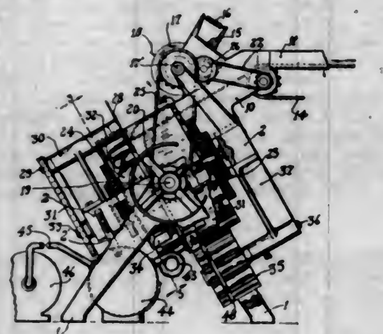
1. The step in the art of treating folded hides which consists in supporting the hides in a container, separately injecting a liquid solution onto the inner sides of the folded hide and the outer sides of the folded hide, working the hide by mechanical action in the presence of the solution, and withdrawing the liquid solution from the container.

1,628,967. BRAKE-ACTUATING DEVICE. GILBERT C. GOODE, East Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 25, 1922. Serial No. 603,245. 4 Claims. (Cl. 188—194.)

1. The combination with a vehicle having a steering wheel mounted upon a spindle pivoted to swing about a vertical axis, of a brake drum carried by the wheel, a brake shoe and a brake shoe actuating member supported on said spindle, and means for actuating said brake shoe from the vehicle frame comprising an operating shaft comprising two telescopically connected sections, a compression spring interposed between said shaft sections, one of said shaft sections having a universal joint connection with said brake shoe actuating member and the other of said shaft sections having a universal joint connection with a part fixed to the vehicle frame, said spring acting to press said first mentioned shaft section toward said actuating member.



1,628,968. FISH EVISCERATOR. JAMES A. GRAY, San Francisco, Calif, assignor to American Can Company, San Francisco, Calif., a Corporation of New Jersey. Filed June 16, 1925. Serial No. 37,441. 21 Claims. (Cl. 17—4.)



1. A fish cutting and cleaning apparatus comprising a movable fish carrier, means for retaining the positioned fish thereon, means for successively acting on the positioned fish to cut the same to expose the entrails, air pressure means with which the cut fish are successively aligned for acting thereon to remove the entrails therefrom, and means actuated by the cut fish on aligning with the air pressure means for controlling its operation.

1,628,969. SHANK REENFORCEMENT. ROBERT J. GRIESEDIECK, St. Louis, Mo. Filed Aug. 21, 1922. Serial No. 583,384. 2 Claims. (Cl. 36—76.)

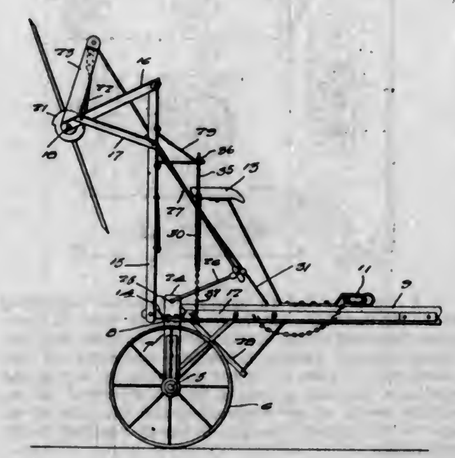


1. In a device of the character described, a sheet-like body having a longitudinal stiffening rib on its upper side, said rib being severed transversely and the segments thereof normally abutting each other.

1,628,970. COMPOSITION FOR WASHING CLOTHES OR OTHER FABRICS. CHRISTIAN B. HAGEN, Marshalltown, Iowa. Filed June 8, 1920. Serial No. 387,433. 2 Claims. (Cl. 87—5.)

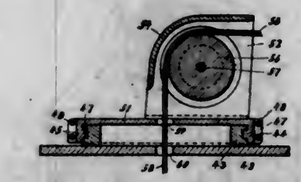
1. A composition for washing clothes or other fabrics, consisting of fire clay, sodium chloride, chloride of lime, and ultramarine blue.

1,628,971. HAY-BUNCHING RAKE. ERNEST F. HALLIDAY, Bishop, Calif. Filed May 19, 1925. Serial No. 31,387. 1 Claim. (Cl. 56—380.)



In combination, a wheeled supporting structure, a frame pivotally mounted on the supporting structure, a rake rotatably mounted in the frame, means for rotating the rake when desired, a pair of brackets projecting from the frame, rods piercing openings provided in said brackets, nuts on the ends of said rods, springs engaged on the ends of said rods, chains engaged on the ends of said springs and engaged with the wheeled supporting structure, said springs being tensioned to urge said frame to a raised position.

1,628,972. ROTATABLE BLOCK HOUSING. LORENTZ EMIL HANSEN, Bergen, Norway. Filed June 16, 1923, Serial No. 645,840, and in Norway June 28, 1922. 2 Claims. (Cl. 212—70.)



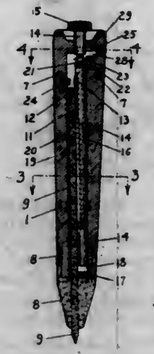
1. In combination with a crane having a hollow mast, a circular guide secured at the upper end of said mast, said guide being provided with a peripheral groove, a cover plate adapted to cooperate with said groove for rotation therein, a housing on said plate and a sheave in said housing, said housing, plate and guide being provided with openings to permit a cable to be passed over said sheave and through said mast.

1,628,973. DOUBLE-SWIVEL HANGER AND SUPPORT FOR PUNCHING BAGS AND THE LIKE. WILLIAM REES HARLEY, Los Angeles, Calif. Filed May 8, 1923. Serial No. 637,431. 8 Claims. (Cl. 272—78.)



2. A hanger having a shank; a swivel nut detachably and adjustably attached to said shank; a hollow bushing in which said shank and nut are movably mounted; a cylinder having a seat in which said bushing is mounted; and a support for said cylinder.

1,628,974. LEAD PENCIL WITH EXTERNAL FEED. CHARLES F. HARTMAN, Los Angeles, Calif. Filed Sept. 29, 1925. Serial No. 59,313. 9 Claims. (Cl. 120—17.)

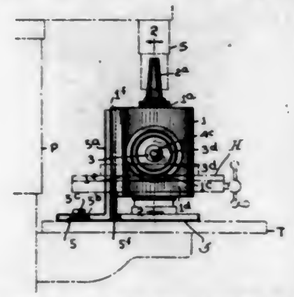


1. In a device of the class described, a shell consisting of two halves, a longitudinal slot of oblong cross section adapted to guide a marking element in said shell in conjunction with a longitudinal slot of circular cross section adjacent thereto, a turnable rod having a ratchet face mounted in said round slot, a tip portion with a collar uniting at one end the two halves of the shell and provided with an aperture aligned with said oblong slot through which to project said marking element, a shoe adapted to grip one end of said marking element, said shoe having a projecting pawl adapted to engage said ratchet face of said rod, to provide a feeding means to propel the marking element toward the point of the pencil.

1,628,975. MILLING ATTACHMENT. OMAR HAWKINS, Leesburg, Ind. Filed Feb. 19, 1926. Serial No. 89,344. 2 Claims. (Cl. 90—12.)

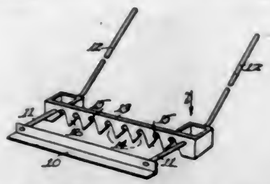
1. In a portable milling attachment for drill presses in combination, a drive shaft adapted to be fixedly secured to the machine tool spindle and having a housing mounted thereon, a rotary cutter shaft mounted within the housing having its axis of rotation angularly dis-

posed with respect to the axis of rotation of the drive shaft, operative connections between the drive and cutter shafts comprising beveled pinions secured to the said shafts and meshing with each other, means adapted to preclude lateral movement of the milling attachment,



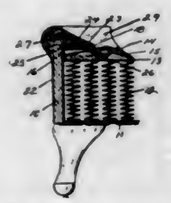
said means comprising a base plate adapted to be fixedly secured to the machine tool table and provided with an integral perpendicularly disposed bracket arm having a dove-tailed sliding connection with the aforesaid housing.

1,628,976. TOOL FOR BENDING METAL FABRICS. CHARLES W. HAWTHORNE, Shrewsbury, Mass., assignor, by mesne assignments, to The Chase National Bank of the City of New York, trustee, New York, N. Y. Filed Oct. 20, 1923. Serial No. 669,836. 3 Claims. (Cl. 81—15.)



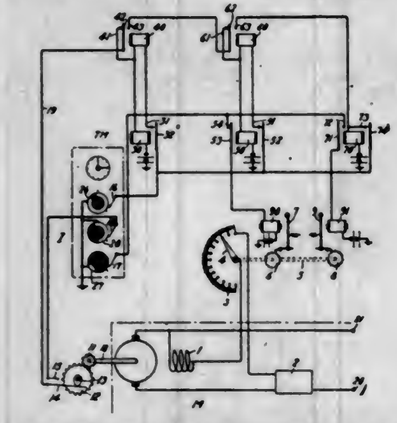
1. A tool for bending metal fabric comprising a fabric engaging cross bar, operating means fixed thereto, and a fabric lifting bar mounted on said operating means said lifting bar having a plurality of spaced hook-shaped projections to engage and lift portions of the fabric, and said projections having V-shaped lower ends facilitating application of said bending tool to the metal fabric.

1,628,977. UPHOLSTERED BOX-SPRING STRUCTURE. EMIL H. HERENSTREIT, Milwaukee, Wis. Filed Dec. 11, 1925. Serial No. 74,699. 10 Claims. (Cl. 155—184.)



1. A box spring with a frame structure having rigid side walls and having an outer cover provided with upper marginal portions inwardly extended over the upper edges of said side walls, and a yielding support for said marginal portions of the cover located at a substantial distance inwardly from the upper margin of said rigid side walls, said support having connections with the box walls adapted to permit relatively yielding movement with reference thereto, said support being relatively unyielding with reference to the springs.

1,628,978. AUTOMATIC REGULATOR FOR ENERGY TRANSFORMERS. RALPH E. HEASLEY, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1923. Serial No. 655,803. 7 Claims. (Cl. 172—293.)

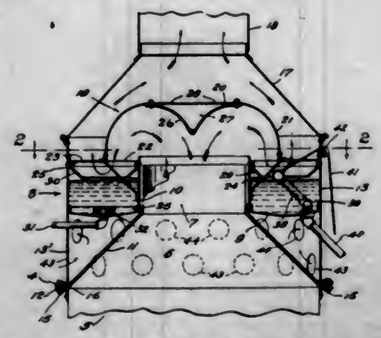


1. A regulator for an energy-transformer comprising means for indicating any desired unit of time, an interrupter operated at the expiration of each time unit controlled thereby, another interrupter controlled by said transformer, a train of relays controlled by said second mentioned interrupter, and a circuit controlled by the conjoint action of the interrupters and the train of relays for varying the amount of energy supplied to the transformer.

1,628,979. PROCESS OF UTILIZING FLEXIBLE MOLDS FOR PRODUCING SPONGE-RUBBER ARTICLES. HARRY M. HOOD, Chicago, Ill., assignor to Featheredge Rubber Company, Inc., a Corporation of Illinois. Filed July 21, 1925. Serial No. 45,134. 6 Claims. (Cl. 18—53.)

1. The process of producing sponge rubber bodies of extended length, which comprises the step of curing a strip of sponge rubber compound in a flexible mold of substantially greater cross sectional area than the cross sectional area of such compound.

1,628,980. DRAFT REGULATOR. FREDERICK T. HOPE, Seattle, Wash., assignor of one-fourth to George A. Meagher, Seattle, Wash. Filed Aug. 4, 1924. Serial No. 730,046. 7 Claims. (Cl. 110—147.)



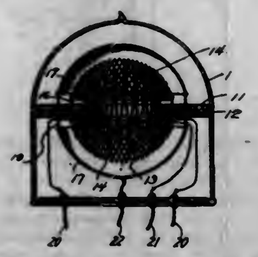
1. In a draft controller for stacks, a water tank surrounding the stack in spaced-apart relation, a smoke uptake mounted on said tank, a hood located within said uptake and extending over the stack and a portion of the tank, said hood having vent holes in the top thereof and a hollow conoidal deflector detachably connected to and depending from the top of the hood, the chamber within said deflector having direct communication through said vent holes with the space thereabove in said uptake.

1,628,981. PACKAGE OF PAPER NAPKINS, TOWELS, AND THE LIKE. PAUL H. HORWITT, Brooklyn, N. Y., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 14, 1925. Serial No. 50,162. 1 Claim. (Cl. 206—57.)



A combined package and dispenser for paper napkins, each of which is folded to have a longitudinally extending free edge comprising a container the top of which is partly cut away for forming an opening through which the longitudinally extending free edge of the uppermost napkin in a pile of folded napkins is accessible for individual withdrawal, the four edges of said opening being formed by inwardly extending flanges which act to confine the napkins, one end of the package, adjacent said opening, being slotted, a manually operated cover, slidable in the slot beneath said flanges, over the pile of napkins, for protecting the napkins from dust and dirt, and movable to uncover the uppermost napkin to allow manual withdrawal thereof, and a hinged end flap, one edge of which is tucked in under one of said flanges, permitting loading of the receptable from the end.

1,628,982. ELECTRON-DISCHARGE DEVICE. ROBERT I. HULSIZER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 28, 1921. Serial No. 473,441. 3 Claims. (Cl. 250—27.5.)



1. An electron discharge device comprising an enclosing vessel, an apertured plate supported in said vessel, a filamentary cathode wound to present a substantially spherical surface supported by said plate within the aperture, and a pair of substantially semi-spherical electrodes supported from said plate at opposite sides thereof substantially concentric with said cathode.

1,628,983. ELECTRICAL NETWORK. KENNETH S. JOHNSON, Jersey City, N. J., assignor to Western Electric Company, Incorporated, N. Y., a Corporation of New York. Filed July 9, 1923. Serial No. 650,288. 9 Claims. (Cl. 178—44.)



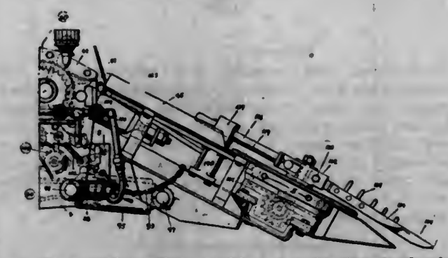
1. A network connection between a transmitting impedance of one absolute value and a receiving impedance of a different absolute value, said network having arms the impedance of each of which is such a function of the absolute values of said terminal impedances and of a single other finite quantity, which quantity is the same in the case of each arm, that said network is capable, when connected between said impedances, of presenting to each of said absolute impedances an absolute impedance equal thereto, at a given frequency.

1,628,984. RUNNER FOR CURTAIN RODS. ROBERT CRAWFORD JOHNSON, Leicester, England. Filed Mar. 26, 1925, Serial No. 18,372, and in Great Britain July 16, 1924. 5 Claims. (Cl. 156—20.)



1. The combination with a supporting rod and ordinary runners slidable thereon, of a separate reeving member provided with means for attaching a reeving cord thereto, and with attaching means for detachably securing it to an ordinary runner, and said ordinary runners each being provided with a portion to be engaged by said attaching means for detachably securing said reeving member in operative relation therewith, whereby said reeving member may be placed in operative engagement with one or other of said ordinary runners to convert it into a master runner, and may be removed therefrom, without disengaging the reeving cord from said separate reeving member.

1,628,985. LOADING MACHINE. JOSEPH F. JOY, Pittsburgh, Pa., assignor, by mesne assignments, to Joy Manufacturing Company, Franklin, Pa., a Corporation of Delaware. Filed Mar. 3, 1924. Serial No. 696,689. 4 Claims. (Cl. 198—10.)



1. In a coal loading machine, a gathering mechanism including a gathering conveyor, adapted to gather coal from the floor of a mine, a vertically flexible main gathering finger arranged in normal parallel relation to the upper face of said gathering conveyor means causing the coal gathering actuation of said finger, and an auxiliary smaller finger rigidly carried by said main finger positioned at the outer side of and terminating inwardly of the free end of said main finger.

1,628,986. INSULATING MATERIAL. ARCHIE R. KEMP, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 9, 1923. Serial No. 673,822. 1 Claim. (Cl. 106—23.)

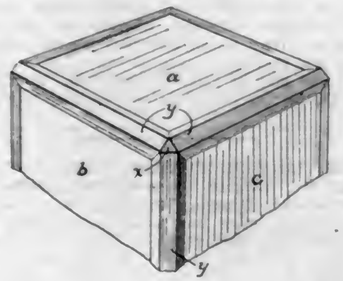
A jointing compound for rubber insulated cables comprising the following ingredients in approximately the proportions named, rubber 40%, zinc oxide 34%, litharge 20%, sulphur 4%, paraffine 2%.

1,628,987. THERMIONIC DEVICE AND METHOD OF EVACUATING THE SAME. ROBERT W. KING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,587. 1 Claim. (Cl. 250—27.5.)



In a vacuum tube, a plate electrode, said plate having a portion struck out to form a pocket, a cover for said pocket, tabs cut out from said plate to engage said cover to hold it in position, and vaporizable material contained within said pocket.

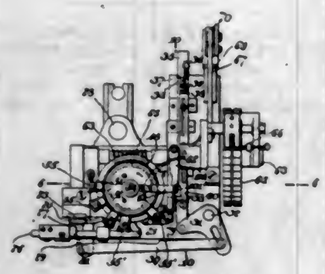
1,628,988. TRUNK. FRANK H. LANGMUIR, Woodbury, N. J., assignor to Belber Trunk & Bag Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1925. Serial No. 76,377. 5 Claims. (Cl. 217—69.)



1. A trunk body provided with bevelled edges and provided also with bevelled corners each of whose faces extends in a plane oblique to all the faces of the three adjacent trunk walls and all the faces of the three adjacent bevelled edges, and reinforcing strips secured to the outside of the walls and adjacent to and along opposite sides of said bevelled edges and bevelled to form faces in substantially the same planes as the faces of said bevelled edges.

1,628,989. AUTOMATIC CONTROLLING MECHANISM. AARON E. LOEWY, Philadelphia, Pa., assignor to Liberman Manufacturing Company, a Corporation of Delaware. Filed July 24, 1924. Serial No. 727,858. 7 Claims. (Cl. 192—139.)

1. In an automatic controlling mechanism, the combination of a rotatable head, a driving mechanism adapted to cause step by step rotative movement of the head and to permit free rotative movement of the head independently of said driving mechanism, a plurality of elements adjustably secured around the periphery of the head, having arc shaped outer margins for slidable engagement

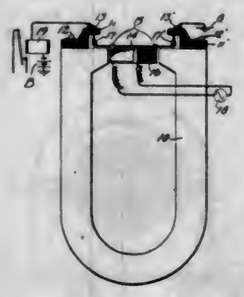


with a detent, and a spring actuated detent for cooperating with said elements, each element adapted to release the detent at the required point in the rotative movement of the head.

1,628,990. ALLOY. FRANCIS F. LUCAS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1925. Serial No. 61,163. 3 Claims. (Cl. 75—1.)

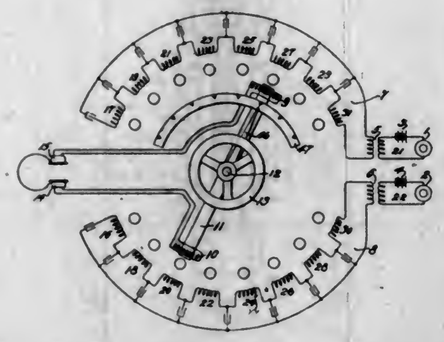
1. A steel alloy containing as essential elements thereof the following metals in substantially the following proportions by weight: Nickel 7 to 20%, tungsten-like metal 7 to 10%, chromium 6 to 8%, manganese 2 to 7%, carbon $\frac{1}{10}$ to $\frac{1}{5}$%, iron, remainder.

1,628,991. SWITCHING DEVICE. DANIEL D. MILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 22, 1924. Serial No. 715,002. 3 Claims. (Cl. 200—91.)



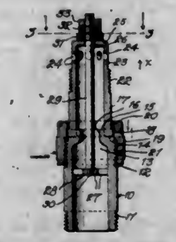
1. In a switching device a magnet, a stationary terminal member, a contact member normally contacting with and supported by said terminal member and a coil in the field of said magnet mounted upon said contact member, said coil operating in response to alternating current flowing therein to effectively break the contact between said contact member and said terminal member.

1,628,992. SYSTEM FOR LOCATION OF A SOURCE OF SOUND VIBRATIONS. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 24, 1920. Serial No. 432,970. 5 Claims. (Cl. 177—386.)



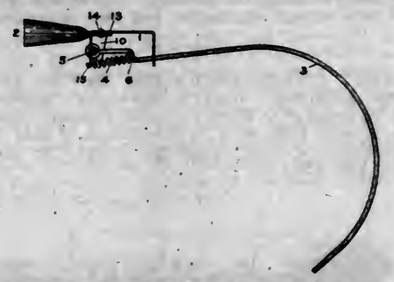
3. An electrical compensator comprising a pair of artificial electrical lines, each consisting of series inductances and shunt capacities; and a pair of secondary coils one coupled to each of said lines, said coils being movable along said lines to vary the position at which they are coupled to said lines.

1,628,993. SPRINKLER AND ROTOR ELEMENT THEREFOR. LEO OLSCHEWSKI, Irvington, N. J. Filed June 28, 1923. Serial No. 648,386. 3 Claims. (Cl. 285—122.)



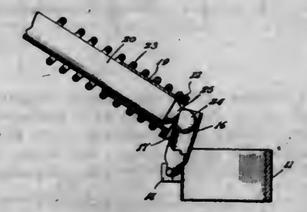
1. A rotor-element for sprinklers, comprising a lower tubular member, a tubular rotor-member, said rotor-member having an end-wall provided with a perforation, and said rotor-member being further provided with discharge-orifices, means connected with said lower tubular member for rotatably mounting said rotor-member upon said lower tubular member, a stem within said lower member and said rotor-member, said stem having a portion extending through the perforation in the end-wall of said rotor-member, a disc of phenolic condensation product mounted upon that portion of the stem extending from the end-wall of the rotor-member and against which said end-wall is adapted to rotate, and means upon said stem for maintaining said disc in its position upon the projecting end-portion of said stem.

1,628,994. RAKE. ROBERT CARL OEHEN, Moline, Ill. Filed Nov. 12, 1924. Serial No. 749,535. 6 Claims. (Cl. 55—114.)



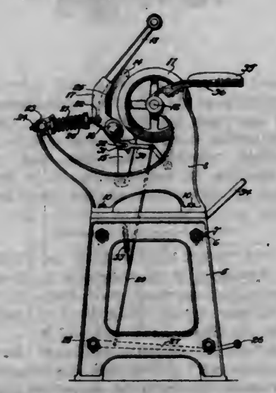
5. In a rake, a folded sheet metal head of channel shape having oppositely arranged slots in the sides of the channel, supporting means connected with the head and adapted to support a pivot rod, a rod supported thereby, and teeth pivoted on the rod and extending through the pairs of oppositely arranged slots.

1,628,995. FOOT ACCELERATOR. JOHN W. PHILLIPS, Lillington, N. C. Filed Sept. 15, 1926. Serial No. 135,610. 6 Claims. (Cl. 74—39.)



1. A device of the character described including a rock shaft adapted for attachment to a throttle, a spring-retracted plunger disposed transversely of the shaft, and a sliding pivotal connection between said plunger and the shaft for rotating the shaft and opening the throttle as the plunger is depressed.

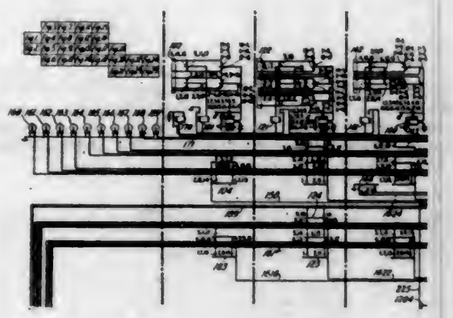
1,628,996. IRONING MACHINE. CHARLES E. REDDIG, Kew Gardens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 9, 1922. Serial No. 542,200. 1 Claim. (Cl. 68—9.)



In an ironing machine, the combination with a roll, a shoe arranged to be moved to and from coacting relation with said roll, a hand lever and a foot lever mecha-

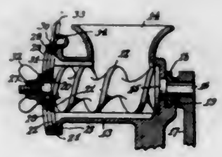
nism for operating the same, said foot lever mechanism including a toggle joint and a device in said toggle joint for permitting the operation of said shoe by the hand lever without affecting the foot lever mechanism.

1,628,997. TESTING DEVICE FOR TESTING REGISTER SENDERS. JOHN B. RETALLACK, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 6, 1925. Serial No. 41,627. 10 Claims. (Cl. 179—175.)



1. In a testing device for testing register senders, means for setting the registers of a sender, means for progressively testing the correctness of the selection controlling operations of the sender, and means to test the ability of the sender to prevent false selections.

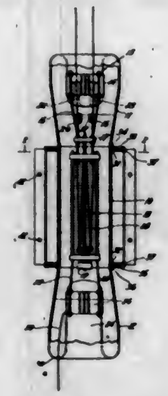
1,628,998. MEAT CHOPPER. MICHAEL A. ROLLMAN, Mount Joy, Pa. Filed May 23, 1925. Serial No. 32,355. 5 Claims. (Cl. 148—186.)



1. In a meat chopper, a casing and a screw therein, a cutting appliance at the rear end of the screw chamber embodying a gage-disk provided with exit openings and means for removably locking said gage-disk to the casing, an intermediate rotatable gage-disk and means for rotatively adjusting it and locking it in its adjusted positions, and a cutter-disk on the rear face of the rotatable disk.

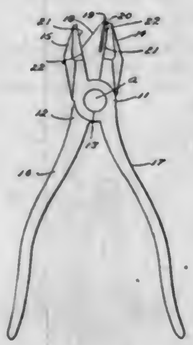
1,628,999. ELECTRON-DISCHARGE DEVICE. VICTOR L. RONCI, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1924. Serial No. 756,863. 1 Claim. (Cl. 250—27.5.)

In combination, an electron discharge device having an external anode with flared ends, glass portions fused to said flared ends, an electrode supported from each of said glass portions, of a water jacket surrounding said anode, said jacket comprising a pair of perforated discs welded to said anode, one near each end thereof and a body portion consisting of two semi-cylindrical sections, portions thereof being bent to form a pair of projections



on each part, corresponding projections of the two parts being welded together and the two parts being welded at their ends to said pair of discs.

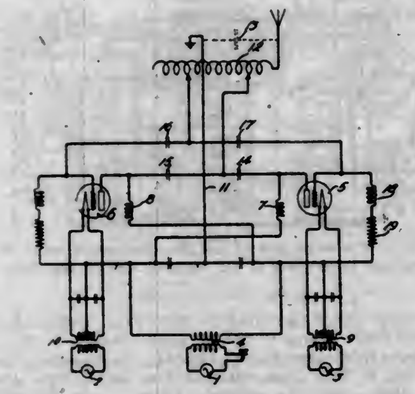
1,629,000. TOOL FOR ADJUSTING POINTS OF SPARK PLUGS. VINCENT P. RUMELY, Detroit, Mich. Filed Oct. 4, 1924. Serial No. 741,607. 4 Claims. (Cl. 81—15.)



1. A tool for adjusting the points of spark plugs, comprising a pair of movable jaws and an externally supported spacer member consisting of angularly disposed plates, one of which plates extends between said jaws and is adapted to receive the points of a spark plug on opposite sides thereof to provide a predetermined gap between said points when said jaws are moved toward one another.

1,629,001. OSCILLATION GENERATOR. JOHN C. SCHELLENG, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,409. 4 Claims. (Cl. 250—36.)

1. In an oscillation generating system a pair of electric discharge tubes each having a cathode and an anode, an oscillatory circuit common to said tubes, a source of alternating current voltage for said tubes, connections for applying the entire voltage of said source across the anode and cathode of each tube in opposite sense, a connection from the cathodes in common to said oscillatory circuit, a connection from the anodes in common to said oscillatory circuit, and means for preventing the flow of current of the frequency of said source from one

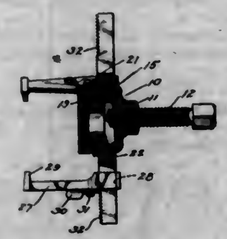


cathode to the other or from one anode to the other while permitting current of the frequency generated to pass readily between either cathode or either anode and the oscillatory circuit.

1,629,002. MANUFACTURING MENTHOL. KARL SCHÖLLKOPF, Dusseldorf-Oberkassel, Germany, assignor to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Original application filed Nov. 28, 1922, Serial No. 603,853, and in Germany Mar. 11, 1922. Divided and this application filed June 26, 1926. Serial No. 118,833. 1 Claim. (Cl. 260—153.)

The process for manufacturing inactive menthol which consists in heating thymol with catalysts promoting the hydrogenation and hydrogen under pressure, separating the inactive menthol from the liquid menthols mixture, heating the latter with an alkaline metal mentholate, subjecting the reaction product to steam distillation and fractionating the distillate.

1,629,003. COMBINATION PULLER. DAVID H. SCHONFELD, Fresno, Calif. Filed May 28, 1924. Serial No. 716,369. 1 Claim. (Cl. 29—85.)

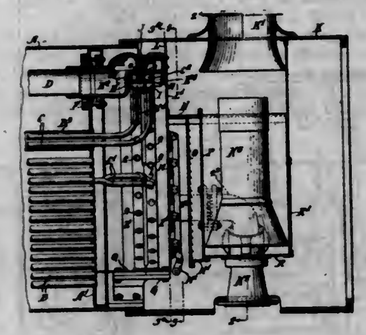


A wheel puller comprising a cup shaped head member, a pressure screw threaded through a threaded opening in the end of said head member, a plurality of arcuate inwardly projecting flanges arranged in spaced relation to each other around the mouth of the cup, an adapter adapted to be threadedly connected to the hub of a wheel, arcuate flanges on the adapter complementary to the flanges on the head member and capable of interlocking therewith to removably connect the adapter to the head member with the adapter positioned concentric to the pressure screw, said flanges when interlocked resisting relative axial movement between the head member and the adapter, and a radial flange projecting outwardly from the exterior surface of the head member and circumscribing the same at the point thereon where the head member connects with the adapter whereby a clamping device may be arranged on the head member and abut against the flange so that operation of the head member will operate the clamping structure.

1,629,004. PROCESS FOR THE PRODUCTION OF MOLYBDENUM TRIOXIDE AND TUNGSTEN TRIOXIDE. PAUL SCHWARZKOPF, Berlin-Charlottenburg, Germany. Filed July 23, 1926, Serial No. 124,350, and in Germany Apr. 26, 1926. 6 Claims. (Cl. 23—17.)

1. In a process for the production of molybdenum trioxide and tungsten trioxide from their ores, melting the respective ore and evaporating the oxide from the ore while in the molten state.

1,629,005. STEAM SUPERHEATER FOR LOCOMOTIVES. IRWIN A. SEIDERS, Reading, Pa. Filed Apr. 14, 1924. Serial No. 706,294. 4 Claims. (Cl. 122—462.)

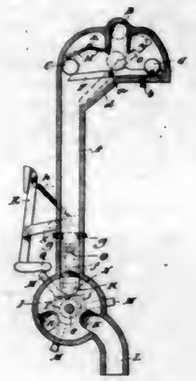


1. In combination with a locomotive boiler, superheater flues extending longitudinally through the boiler and arranged in concentric circular arcs, arc shaped superheater headers of greater diameter than the outer row of superheater flues secured in front of the boiler and superheater tubes extending into the flues and having laterally extending end extensions secured to the headers.

1,629,006. COIN-RECEIVING MECHANISM FOR VENDING MACHINES. RUFUS B. SHERBURNE, LEON G. SHERBURNE, and MARTIN HANSEN, New York, N. Y.; said Leon G. Sherburne and said Martin Hansen assignors to said Rufus B. Sherburne. Filed Nov. 21, 1923. Serial No. 675,987. 2 Claims. (Cl. 194—102.)

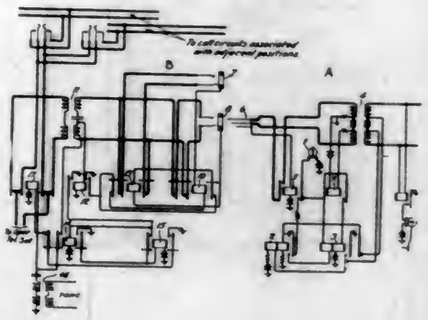
1. A coin receiving mechanism for vending machines which comprises a coin receiving tube provided with a weight-testing lever, a size-testing aperture co-operating with said lever to drop out undersized coins and a tilting

lever adapted to close the entrance to said tube under pressure from over-sized coins,—and a normally locked



releasing device adapted to be unlocked by coins delivered to it by said receiving tube, after passing said testing levers and aperture.

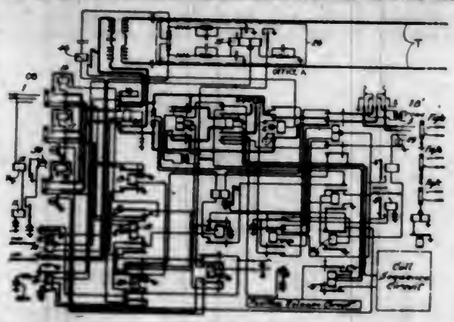
1,629,007. TELEPHONE-EXCHANGE SYSTEM. ERMY R. SMITH, Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Apr. 9, 1925. Serial No. 21,782. 13 Claims. (Cl. 179—41.)



3. In a telephone system, a trunk of a certain character, an operator's telephone set normally connected to said trunk, trunks of other character, means for connecting said head set to said other trunks, a source of tone current, and means for connecting said source of tone current to said trunk of a certain character, upon the disconnection of said telephone set therefrom.

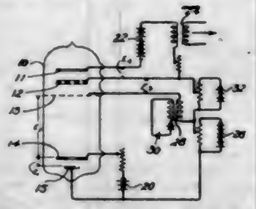
1,629,008. TELEPHONE SYSTEM. ERMY R. SMITH, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 29, 1925. Serial No. 40,237. 10 Claims. (Cl. 179—43.)

5. A two-way trunk line terminating at each end in outward and inward terminals, a signal at each inward terminal responsive to a connection established over a distant outward terminal, and means associated with the inward terminals of said line for reoperating said signal at the inward terminal at one end of said line and for changing the electrical characteristics of the inward ter-



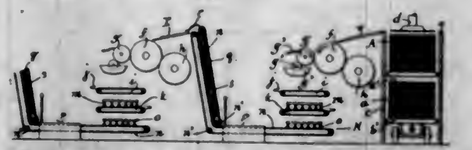
minal at the same end of the line responsive when disconnection takes place at the opposite end of said line.

1,629,009. LOW-IMPEDANCE ELECTRIC DISCHARGE DEVICE. HOMER C. SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1920. Serial No. 401,886. 1 Claim. (Cl. 250—27.)



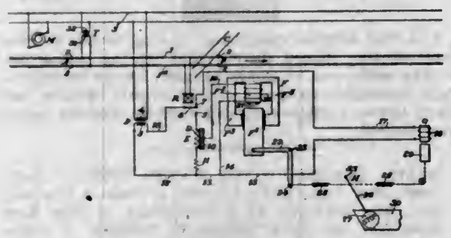
In combination, an electric discharge device comprising a gas filled container, a plurality of main discharge electrodes and a plurality of auxiliary discharge electrodes therein, a source of current connected between said main discharge electrodes, means for adjusting the potential of the current from said source to a point insufficient to produce ionization between said main electrodes, a second source of current connected between said auxiliary electrodes for producing a discharging therebetween and a flow of positive carriers between said main electrodes to cause ionization therebetween, a control electrode located between said auxiliary electrodes and said main electrodes to control the degree of said ionization, a third source of current connected between said control electrode and one of said main electrodes, a fourth source of current connected between said control electrode and one of said auxiliary electrodes, and means for adjusting current from said third and said fourth sources so that the potential of said control electrode is substantially equal to the resultant of the potentials produced by the carriers in the vicinity of said control electrode and by the field produced by said other electrodes.

1,629,010. PRESS. FREDERIC THÉVOZ, Geneva, Switzerland. Filed Dec. 22, 1925. Serial No. 77,160. 4 Claims. (Cl. 101—152.)



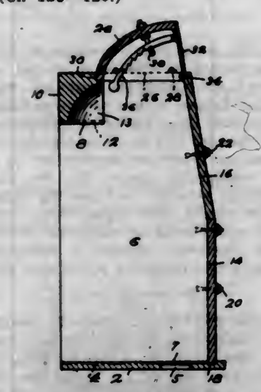
2. In an apparatus for forming a composite impression, in combination, a plurality of proximate devices for applying impressions arranged in series, a plurality of superimposed reciprocating endless bands between each two devices, means to transfer a sheet from one band to another, means to direct air against the sheet when on a band, and means to transfer the sheet from a band to a succeeding device.

1,629,011. ELECTRORESPONSIVE APPARATUS. HOWARD A. THOMPSON, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1923. Serial No. 630,510. 5 Claims. (Cl. 172—240.)



1. In combination, an electric conductor, a device controlled by the flow of current in said conductor and operating when such current exceeds a given value to increase the impedance of said conductor thereby decreasing the value of the current, and means included in circuit with said conductor and responsive to a decrease in said current for further decreasing this current to a value below said given value.

1,629,012. FIRE BOX. HENRY G. TRIMBLE, Kansas City, Mo. Filed Aug. 3, 1925. Serial No. 47,911. 1 Claim. (Cl. 126—120.)

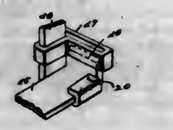


A fire-box consisting of a base, a rear wall seated upon said base and having an upper forwardly sloping portion, side walls seated upon said base and having offsets in their upper forward portions, a lintel seated in said offsets and having a longitudinal recess in its rear portion, an upwardly and rearwardly curved hood resting at its forward portion upon said lintel and having its rear margin spaced above the upper margin of the rear wall to leave an opening, and marginal flanges on said lintel which rest upon the side walls of the fire box.

1,629,013. CONTINUOUS PROCESS OF PRODUCING SPONGE RUBBER ARTICLES. FRANK V. WEDLOCK, Chicago, Ill., assignor to Featheredge Rubber Company, Inc., a Corporation of Illinois. Filed July 21, 1925. Serial No. 45,142. 6 Claims. (Cl. 18—53.)

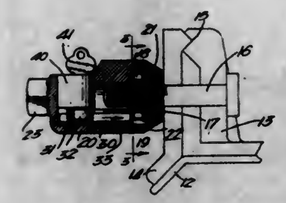
1. The process of producing sponge rubber bodies which comprises the steps of placing a long length of sponge rubber compound between surfacing layers of a medium readily flexible in all directions and drawing said flexible medium, and with it drawing the compound, through a heated zone in the presence of a heated die, whereby said compound is caused progressively to expand and move the surfacing layers of flexible medium to take the shape of the die and whereby the compound is progressively cured into an extended body of sponge rubber having a cross sectional shape corresponding to the shape of the die.

1,629,014. LINE GUIDE FOR TRACTORS. CARL WOODIN, Pocahontas, Iowa. Filed Feb. 5, 1925, Serial No. 7,034. Renewed Apr. 7, 1927. 2 Claims. (Cl. 180—77.)



1. A controlling device for controlling motor vehicles comprising a clutch pedal having an upwardly extended end portion, a lever having a laterally and upwardly extended portion adapted to embrace the clutch pedal at a point adjacent to the upwardly extended flange, a vertically movable securing member mounted on the lever and adapted to be positioned over the upwardly extended flange to lock the lever to the clutch pedal.

1,629,015. SPARE-TIRE LOCK. DELBERT F. AXELSON, Los Angeles, Calif., assignor to Axelson Machine Company, Los Angeles, Calif., a Corporation of California. Filed June 7, 1923. Serial No. 643,883. 6 Claims. (Cl. 70—122.)

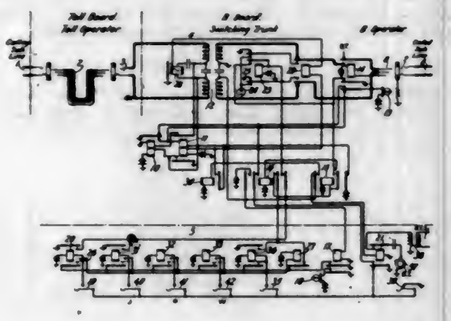


1. A lock comprising: a bolt; a nut threaded on said bolt, said bolt passing through said nut; a casing surrounding said nut and free to rotate with relation thereto; means for securing said casing around said nut; and key-operated means for locking said casing on said nut so that said nut may be unscrewed by turning said casing, said nut being cylindrical and having an annular rim of larger diameter than the body of the nut, said means for securing said casing over said nut comprising an end plate fitting over the body of said nut and welded to said casing.

1,629,016. TELEPHONE SYSTEM. WILLIAM M. BEAUMONT, Summit, N. J., and FELIX A. BONOMI, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,298. 5 Claims. (Cl. 179—46.)
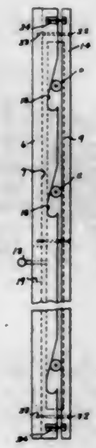
1. In a telephone system, subscriber's lines, a trunk comprising a signal, means for operating said signal re-

sponsive to the seizure of said trunk, means for disabling said signal responsive to the connection of said trunk to an idle line, means for maintaining said signal operated



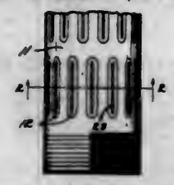
responsive to the connection of said trunk to a busy line and means for disabling said signal responsive to the signaling of the subscriber on the busy line.

1,629,017. WEATHER STRIP. JOHN J. BURROUGHS, Houston, Tex. Filed Mar. 9, 1926. Serial No. 93,424. 3 Claims. (Cl. 20—68.)



1. A device of the character described including a track adapted to be carried by the casing of a wall opening and provided with a groove, an actuating bar slidable in said groove, a weather strip, said track and strip being provided, one with guides and the other with guideways in which the guides work, said track and bar being provided, one with arcuate notches, the corresponding sides of said notches having sloping faces, and the other with rollers which are seated in said notches and adapted to operate against the sloping faces thereof on one side and the weather strip on the other side, when said actuating bar is moved.

1,629,018. STRAINER. CLARENCE J. COBERLY, Los Angeles, Calif., assignor to Kobe, Inc., Los Angeles, Calif., a Corporation of California. Filed Jan. 5, 1925. Serial No. 736. 6 Claims. (Cl. 166—6.)



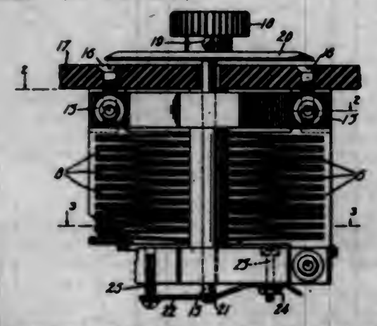
1. A well strainer comprising: a pipe having an elongated opening formed therein, said opening having converging walls; and an elongated insert having correspondingly converging walls and secured in said opening, said insert having a single elongated aperture disposed lengthwise thereof.

1,629,019. CELLULOID TOY WATER PISTOL. IRWIN COHN, New York, N. Y., assignor to Irwin & Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 23, 1926. Serial No. 150,298. 1 Claim. (Cl. 42—56.)



A celluloid toy water pistol comprising two sheets of celluloid, each formed in the configuration of a pistol face and having an outwardly projected wall portion, each sheet being formed with a marginal flange and the flanges of the sheets being united, a collapsible reservoir located in the chamber formed by said projected wall portion, a tube leading from the reservoir to the end of the pistol barrel, supporting means for the tube, and a trigger projecting through an opening formed intermediate the two sheets, said trigger being movable on a pivotal support and having an extension contacting with the collapsible reservoir, whereby a movement of the trigger will swing said extension to collapse the reservoir.

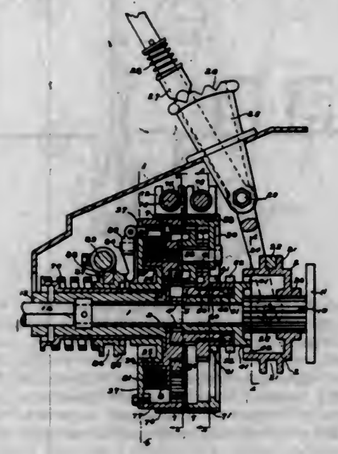
1,629,020. CONDENSER. EDWARD B. CRAFT, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,418. 3 Claims. (Cl. 175—41.5.)



1. A condenser of the air type, comprising a fixed member having a set of plates spaced in fixed relation and of

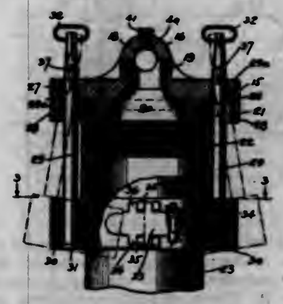
cross section tapering uniformly at all radii toward the center, and a movable member having a similar set of plates tapering uniformly at all radii away from the center, said fixed and movable plates being tapered the same amount to provide uniform air space therebetween when the members are assembled in cooperative relation.

1,629,021. PLANETARY-GEAR DRIVE FOR AUTOMOBILES. CHARLES L. CULVER, Olalla, Wash. Filed Apr. 1, 1925. Serial No. 19,788. 2 Claims. (Cl. 74—34.)



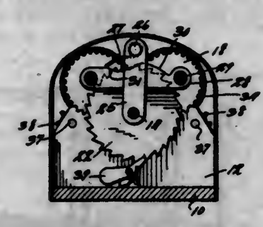
1. A planetary transmission comprising a complete planetary gear train comprising a sun gear, planet carrier and planet gears, and a supplemental gear train comprising a sun gear and intermediate planetary gears journaled upon the planet carrier of the first train and meshing with the planet gears of said first train, and means for transmitting power through either sun gear.

1,629,022. CEMENTING HEAD. HERBERT A. DAVIS and CLEO F. DAVIS, Torrance, Calif. Filed Apr. 22, 1924. Serial No. 708,129. 4 Claims. (Cl. 166—14.)



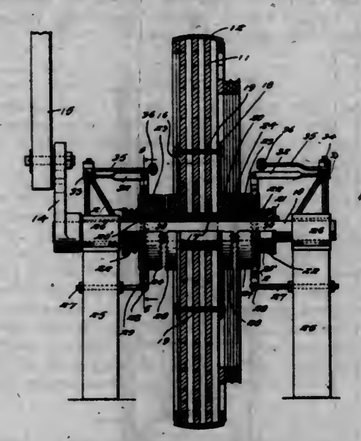
1. A cementing head comprising a body adapted to be supported on a coupling collar and having a groove therein for receiving the upper edge of the collar, a compressible member within said groove, and means adapted to engage said collar for securing the body to the collar and for compressing said compressible member to provide a fluid tight joint between the body and collar.

1,629,023. LOOM COUNTER. JAMES MARION DAVIS, Newberry, S. C. Filed Jan. 14, 1926. Serial No. 81,282. 3 Claims. (Cl. 74—54.)



1. A mechanism of the character described including an actuating rock shaft, a ratchet wheel loosely mounted thereon, an arm carried and oscillated by the actuating shaft and having a pawl engaging with said ratchet wheel and a bar supported in chordal relation to the ratchet wheel and having its outer edge face outwardly curved, said edge face at one end of the bar being extended beyond the ratchet teeth and at the other end of the bar being disposed inward of the ratchet teeth, and then extending beyond the ratchet teeth, the pawl traveling over said curved face of the bar whereby to hold the pawl from engagement with the ratchet teeth for the greater portion of its stroke, then permit the engagement of the pawl with the ratchet teeth and then again lift the pawl after the pawl has traveled at a predetermined distance in said engagement.

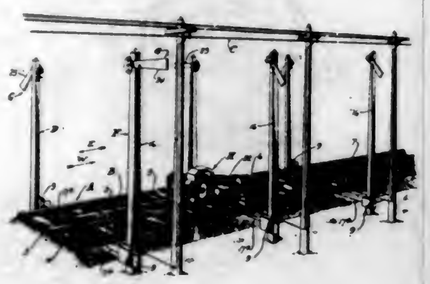
1,629,024. WELL-DRILLING APPARATUS. THOMAS S. DIETLE, Pawhuska, Okla. Filed Oct. 14, 1926. Serial No. 141,537. 4 Claims. (Cl. 255—13.)



1. In combination with the band wheel shaft of well drilling apparatus having the usual crank for raising and lowering the drilling tools, a band wheel rotatably mounted upon said shaft and a pair of spring pressed ratchet clutches for connecting said band wheel to the shaft having the teeth thereof oppositely disposed.

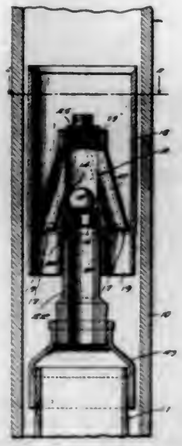
2. In combination with the band wheel shaft of well drilling apparatus having the usual crank for raising and lowering the drilling tools, a band wheel rotatably mounted upon said shaft, a pair of spring pressed ratchet clutches for connecting said band wheel to the shaft having the teeth thereof oppositely disposed and means for simultaneously or independently engaging said clutches.

1,629,025. THIRD-RAIL ELECTRIC-CURRENT-FEEDING SYSTEM FOR ELECTRIC RAILWAYS. ARTHUR DOAN, Berkeley, Calif. Continuation of application Serial No. 493, filed Jan. 5, 1925. This application filed Feb. 26, 1927. Serial No. 171,323. 2 Claims. (Cl. 191—29.)



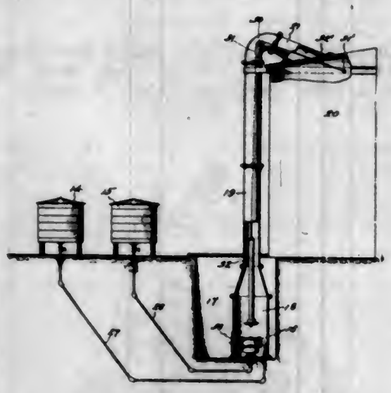
1. A third rail electric current feeding system for electric railways comprising a third rail divided into sections, said sections being insulated from each other and from the ground, a pair of rails running parallel with the third rail over which an electric train is adapted to travel, a semaphore apparatus for each third rail section and cooperating with the electric train, a source of electric current, wires connecting each third rail section with said source of current supply, a switch in each wire adapted to make or break the current circuit to each third rail section, and means actuated by the semaphore apparatus for opening and closing said switches as the train advances.

1,629,026. CORING DEVICE. BOYDE H. DYE, Tipton, Calif. Filed Dec. 9, 1926. Serial No. 153,636. 3 Claims. (Cl. 255—72.)



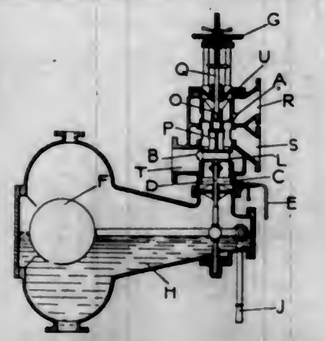
1. In combination with a core barrel of rotary well drilling apparatus, a hollow body having a closed upper end, said hollow body being in communication with and supported from the upper end of the core barrel, a check valve for controlling communication between the hollow body and the core barrel, downwardly directed outlets for the hollow body communicating with the hollow body above the seat for the check valve and the sleeve surrounding the hollow body having an open top and downwardly directed outlets at its lower end, the outlets of the hollow body aligning with the outlets of the sleeve.

1,629,027. APPARATUS FOR EXTINGUISHING FIRES. ORLANDO R. ERWIN, Forest Hills, N. Y., assignor to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 4, 1920. Serial No. 421,634. 2 Claims. (Cl. 169—4.)



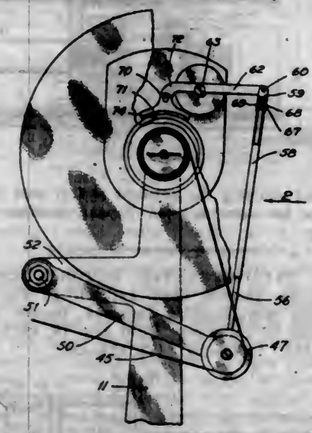
1. In a foam fire extinguishing apparatus, a delivery head, inlets thereinto for component foam making solutions, a frangible diaphragm dividing the head into compartments each having its individual supply inlet, a frangible diaphragm closing the outlet from the delivery head and a common breaker for said diaphragms adapted on release to break both diaphragms to permit the mixture of the solutions and escape of the mixture from the head.

1,629,028. STEAM-CONDENSING AND BOILER-WATER-SUPPLY APPARATUS OF STEAM-POWER PLANTS. HARRY FOTHERGILL and HAROLD HILLIER, Westminster, London, England. Filed Oct. 9, 1926, Serial No. 140,626, and in Great Britain Dec. 16, 1925. 14 Claims. (Cl. 257—24.)



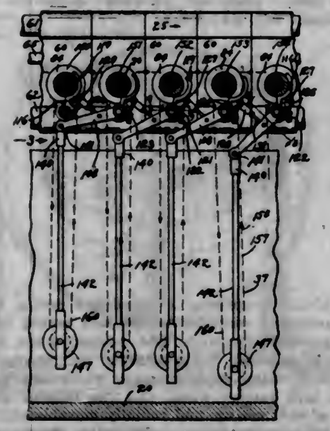
1. A closed boiler feed system comprising a condenser, a condensate extraction pump connected on its suction side to the condenser, a float chamber arranged on the suction side of the condensate extraction pump and having a water level corresponding to the level on said suction side, a float in said chamber, a pressure operated valve device connected in said closed system between the feed pump and the condensate extraction pump, said valve being associated with the float and adapted to be operated in accordance with the movements of the float, to cause water to be delivered through said valve, alternatively, to the condenser when the float falls, or in to the system on the delivery side of the condensate extraction pump when the float rises.

1,629,029. FILM-TAKE-UP DEVICE WITH BRAKE. FRANK E. GARBUTT, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y., a Corporation of New York. Filed July 25, 1925. Serial No. 46,155. 2 Claims. (Cl. 242—55.)



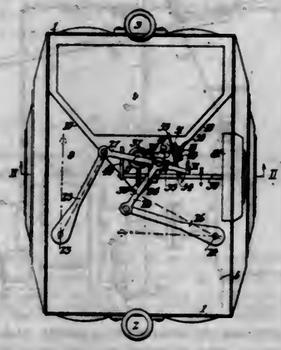
2. In a film winding device, the combination of: a rotatably supported shaft; a winding reel on which a film may be wound, mounted on said shaft to rotate therewith; means for frictionally driving said shaft; a swingably supported pulley over which said film extends in a manner to support said pulley, said pulley being moved when the tension of said film changes; a rod pivotally associated with said pulley; a guide member into which said rod extends, said guide member having an upper end which said rod may engage and a lever to which said guide member is attached, said lever being swung when said rod exerts a force on the end of said guide member; a brake drum rigidly secured to said shaft; and a brake shoe attached to said lever, said shoe being operated by said lever in a manner to engage said drum and to permit said winding reel to be rotated at such a speed that said film will be maintained at a uniform tension.

1,629,030. AUTOMATIC FILM-TENSIONING MECHANISM HAVING INDIVIDUAL SPOOLS. FRANK E. GARBUTT, Los Angeles, Calif. Filed Mar. 2, 1926. Serial No. 91,698. 13 Claims. (Cl. 271—2.1.)



1. In a film developing apparatus, the combination of: a drive roller; means for rotating said drive roller; a driven floating roller, there being a film wound around said drive and driven rollers; means for controlling the rate of rotation of said drive roller, said control means having a brake arranged to engage said drive roller; and a member energized by movement of said floating roller relative to said drive roller to actuate said control means, thus operating said brake.

1,629,031. GAS-METER MECHANISM. WILFORD A. GAUGH, Erie, Pa., assignor to American Meter Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 28, 1924. Serial No. 746,345. 9 Claims. (Cl. 73—1.)

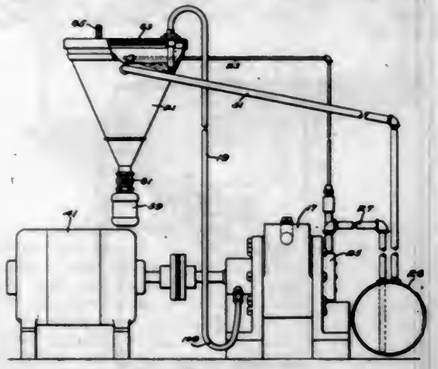


1. In a gas meter, the combination with a casing; of a crank shaft in said casing arranged to be operated by a flow of gas through the meter; a crank arm rigidly connected with the top of said crank shaft; a bracket in said casing, having a bearing encircling said crank shaft; said bracket having two slots in it, in parallel relation respectively tangential to circles of different radii and concentric with the axis of said shaft; a single fulcrum pin extending in said bracket across said slots; a trip lever hung on said pin in the slot of said bracket most remote from the axis of said crank shaft, and normally presented in the path of said crank arm, and arranged to be idly tilted by said crank arm at each revolution of said crank shaft in one direction; a stop lever, hung on said fulcrum pin in the other of said slots in coaxial relation with said trip lever and normally out of the path of said crank arm; said stop lever having a lateral projection extending transversely across the path of said trip lever; said trip lever being arranged to be tilted in the reverse direction by reverse rotation of said crank arm incident to the reverse movement of the meter mechanism to then engage said projection on said stop lever and set up the stop lever in position to stop the reverse rotation of said crank arm and the meter mechanism connected therewith, after more than one complete reverse revolution of said crank arm.

1,629,032. LIQUID-FUEL-BURNING APPARATUS. GEORGE E. GOODRIDGE, Reading, Mass., assignor to Reginald C. Heath, Brookline, Mass. Filed July 2, 1926. Serial No. 120,061. 6 Claims. (Cl. 158—36.3.)

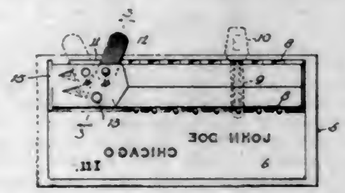
1. A liquid fuel burning apparatus comprising a burner nozzle and a main fuel reservoir, a supply chamber arranged at an elevation above the main reservoir, a fuel supply pump through which the entire supply of liquid fuel for said chamber is lifted and delivered thereto, an overflow conduit leading back from the supply chamber to the main reservoir to provide a gravity flow for the surplus liquid fuel back to the reservoir and to insure the maintenance of a substantially constant level in the supply chamber without the necessary use of valved orifices, a second and main pump for delivering commingled gas and liquid fuel in finely divided form

through the burner nozzle, said main pump having a suction conduit provided with an inlet orifice immersed below the constant level of the liquid fuel in the supply chamber for delivering a predetermined quantity of liquid fuel from the reservoir when said main pump is operated and provided with a second orifice between the liquid fuel level and the pump connected to a source of gaseous supply to cause the same to commingle with the liquid fuel, said fuel and gas supply orifices being adjustable to vary the mixture and said suction conduit being connected to present a gravity-opposing path to the liquid



fuel from the supply chamber, whereby the passage of liquid fuel from said chamber to the pump is prevented except during the operation of the latter, the supply pump being connected to operate only with and during the operation of the main pump and its delivery conduit being so connected to the supply chamber and so located and arranged as not to be under the influence of the static head therein, thereby to provide a gravity-opposing return path, whereby through said combination there may be provided an open valveless supply system free from leakage.

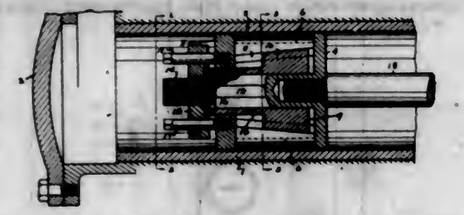
1,629,033. INDEX TAB. HENRY E. HUBBARD, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed July 10, 1926. Serial No. 121,651. 4 Claims. (Cl. 101—369.)



1. A printing device having a slot adjacent its upper edge, a switch tab projecting through said slot, the lower end of said tab being pivotally engaged with the printing device and the upper end of said tab projecting above the upper edge of the printing device, said tab adapted to swing from end to end of the slot in the printing device, and means for holding the tab in adjusted position.

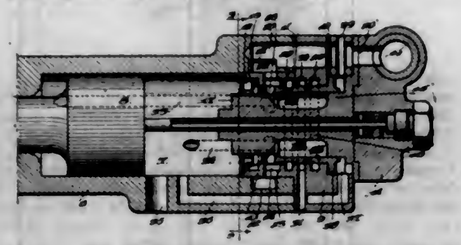
1,629,034. PUMP PLUNGER. GRANVILLE A. HUMASON, Houston, Tex. Filed June 21, 1926. Serial No. 117,464. 1 Claim. (Cl. 74—109.)

A pump plunger including end members, a support between said members formed of sections having converging inside faces, an expander between said end members, one end of which is threaded through one of said members, an expansible sleeve around said support, an extension carried by the other end member and extending through said expander and whose free end is externally threaded, a locking member threaded onto said



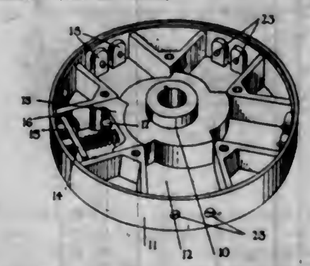
free end and abutting the adjacent end of said expander and means for securing said locking member against unscrewing.

1,629,035. FLUID-OPERATED MOTOR. AUGUST H. KATTERJOHN, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Jan. 18, 1923. Serial No. 613,482. 19 Claims. (Cl. 121—26.)



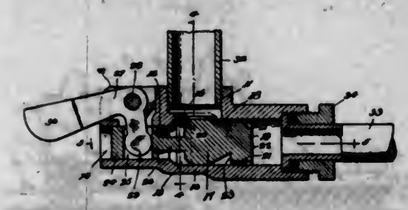
1. In a fluid operated motor, the combination with a cylinder member having a piston chamber and a piston operating in the chamber, of an automatic hollow distributing valve located in rear of the piston chamber and having a front open end, a fluid reservoir within the valve having means of communication at its front end with the rear end of the piston chamber, and means for automatically operating the valve to cause its front end to move to and from a position across said means of communication to periodically cut it off.

1,629,036. CLUTCH. VIRGIL H. KITRELL, University Place, Nebr. Filed Apr. 24, 1926. Serial No. 104,442. 2 Claims. (Cl. 64—100.)



1. A clutch comprising a cylindrical casing, a ratchet wheel positioned centrally within said casing and rotatably connected therewith, said ratchet wheel being reversible in position, walls dividing the interior of said casing into radial compartments which are positioned between said ratchet wheel and the interior peripheral surface of said casing, and radially movable clutch shoes within the compartments, said clutch shoes being also reversible whereby said clutch may be reversed by the reversal of said ratchet wheel and said clutch shoes.

1,629,037. MANUALLY-CONTROLLED STEAM-OPERATED CYLINDER COCK AND DRIFT VALVE. ARTHUR T. KUEHNER, Elkridge, Md. Filed Sept. 14, 1921. Serial No. 500,488. 3 Claims. (Cl. 121—134.)



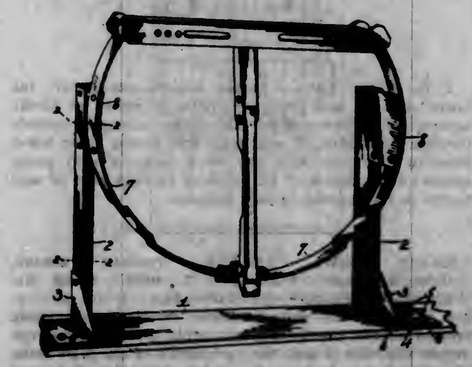
1. In combination with a steam cylinder, a cylinder cock including a relief valve controlling an outlet passage from the cylinder, a conduit for supplying live steam to the valve, the valve being provided with means having opposed faces of unequal area whereby the valve may be closed against the steam pressure in the cylinder and held closed by steam at the same pressure in said conduit acting on the larger of said faces, and weight operated means constantly urging the valve to open position and automatically operable when the supply of steam to the valve is cut off for opening the valve against steam in said conduit at the same pressure as the steam in the cylinder.

1,629,038. PROCESS FOR CLEANING AND PRESSING PAPER MONEY. GEORGE W. LEIGHTLITNER, Apollo, Pa. Original application filed June 17, 1925, Serial No. 37,760. Divided and this application filed Apr. 23, 1926. Serial No. 104,205. 2 Claims. (Cl. 15—269.)



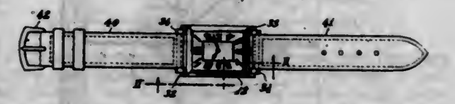
1. A method of cleaning flexible material consisting of applying cleaning fluid to the material and scrubbing the same while moistened, swabbing the scrubbed material, and finally drying and pressing the scrubbed and swabbed material.

1,629,039. TIRE CARRIER. THOMAS H. LYNN, Williamsport, Pa. Filed Apr. 11, 1922. Serial No. 551,509. 1 Claim. (Cl. 224—29.)



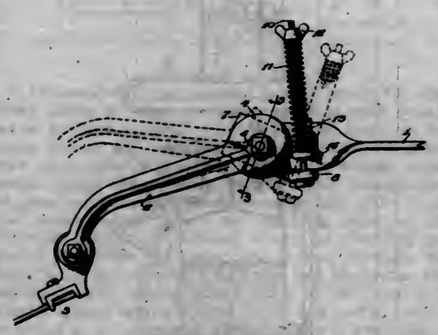
A tire carrier comprising a segmental band, spaced standards each having a web extending parallel with the plane of the band and a web extending outwardly at a right angle to the first-mentioned web, plates secured to and projecting outwardly from the outwardly projecting webs of the standards adjacent the upper ends thereof, and rigidly secured to the band, and anchors each consisting of a vertical branch rigidly secured to the outwardly projecting web of a sandard at the lower end of the standard and a horizontal member extending laterally from the lower end of the vertical branch to be secured to the running board of a vehicle.

1,629,040. ARTICLE HOLDER AND CASE. JEREMIAH MCGREVY, Richmond Hill, N. Y., assignor to Solidarity Watch Case Company, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1924. Serial No. 748,976. 6 Claims. (Cl. 58—88.)



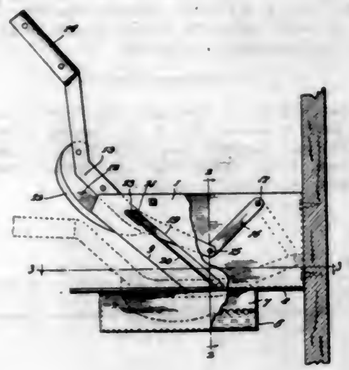
1. In an article holder and case, the combination of a holding member adapted to hold a watch movement, pivoted casing members for enclosing the holding member, such holding member having one of its edges longitudinally recessed, a spring-pressed locking member mounted entirely on the holding member within the recess and movable bodily therein, such casing members each having an inwardly extending, protuberance for interlocking with the locking member, whereby said casing members are releasably held closed.

1,629,041. YIELDABLE COUPLING. WILLIAM MINER, Milo Township, Bureau County, Ill. Filed Mar. 30, 1926. Serial No. 98,578. 6 Claims. (Cl. 97—184.)



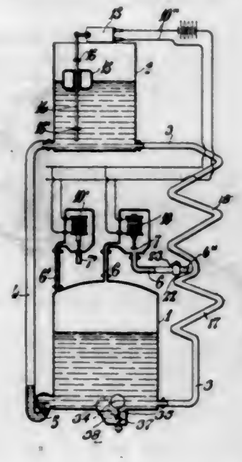
1. In combination with parts to be yieldably connected, and a bolt pivotally connecting said parts, an abutment member mounted on said bolt and connected with one of the members to move therewith and adapted to normally engage the other member, a seat carried by the last mentioned member, a bolt passing freely through said seat and engaging the abutment member, an open spring mounted upon said seat and surrounding the bolt and a nut on the bolt for holding the spring on its seat and regulating the tension thereof.

1,629,042. TAIL-DOCKING MACHINE. KARL W. MOORE, Cynthiana, Ky. Filed Feb. 3, 1926. Serial No. 85,743. 8 Claims. (Cl. 128—305.)



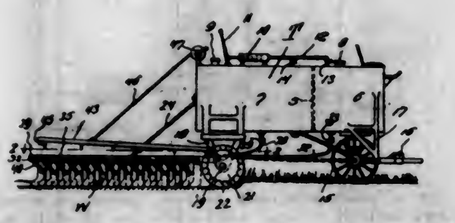
1. In a tail docking machine, a support constituting a stationary rest for the tail to be docked, and a cutting blade supported for slidable movement in a curvilinear path toward and from the rest and coacting therewith when moved in the direction of the rest to impart a shearing cut to the tail thereon.

1,629,043. APPARATUS FOR CENTRAL HEATING. HENRI MOREAU, Paris, France. Filed Nov. 16, 1922, Serial No. 601,363, and in France Nov. 18, 1921. 3 Claims. (Cl. 237—64.)



1. In a central heating plate for heating by circulation of hot water, the combination of a pulsating tank and an elevated tank arranged at different levels, and means connecting the lower portions of the tanks, said means including water heating means and radiators, and a second means also connecting said tanks and including a non-return valve, and means for automatically and periodically causing in the pulsating tank a pressure of compressed air and atmospheric pressure.

1,629,044. PRAIRIE-FIRE FIGHTER. HARVEY B. MORTER, Ainsworth, Nebr. Filed July 23, 1926. Serial No. 124,426. 1 Claim. (Cl. 126—271.2.)



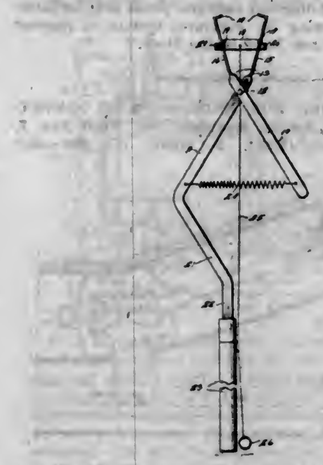
An apparatus of the class described, including means for burning prairie grass, fire extinguishing means disposed about the first means, a pair of flexible fire confining walls, outside of the second means, each wall comprising a chain formed of a plurality of pivoted links, sections pivotally mounted on the chain and depending therefrom, and spring means tending to hold the sections in vertical positions.

1,629,045. BLAST FURNACE. JOHN A. PARKER, Rifle, Colo. Filed July 7, 1925. Serial No. 41,952. 2 Claims. (Cl. 266—41.)

1. In a blast furnace having a surrounding wall, the lower edge of said wall comprising a series of blocks separated by water spaces, said blocks extending entirely through the width of said wall and having their lower faces in alignment with the lower faces of said water spaces; and a series of air passages through each of said blocks to the interior of said furnace.

1,629,046. FOWL CATCHER. THOMAS PEPPARD, Olympia, Wash. Filed July 7, 1926. Serial No. 120,985. 5 Claims. (Cl. 119—154.)

3. A device of the character described comprising crossed shanks pivoted to each other and each provided at one end with a jaw, the extremities of the jaws being inwardly turned and one jaw overlapping the other, said extremities acting as stops preventing the two near approach of the jaws to each other, the jaws being slotted, a trigger bar disposed within said slots and having shoulders adjacent its opposite ends whereby the jaws may be held open, the trigger bar being longitudinally movable

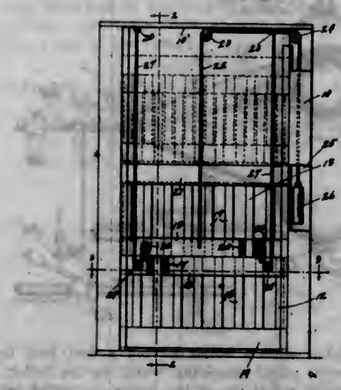


in said slots to permit the closing of the jaws, and a spring urging the shanks towards each other.

1,629,047. REFRACTORY LINING. ROBERT B. POGUE, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y., a Corporation of Delaware. Filed June 6, 1925. Serial No. 35,490. 1 Claim. (Cl. 106—10.)

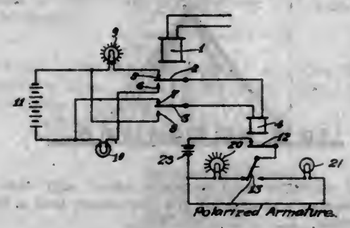
A refractory lining comprising substantially forty per cent ganister, substantially forty per cent mica schist, and ten to twenty per cent of fine clay, in such proportions that expansion and contraction of the ingredients under heat is compensated.

1,629,048. ELEVATOR GATE. IRA M. POSTON, Dallas, Tex. Filed Oct. 25, 1926. Serial No. 143,818. 4 Claims. (Cl. 39—63.)



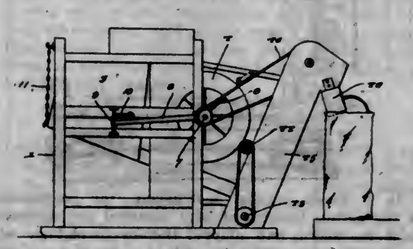
1. In an elevator gate, a gate frame, a pair of telescoping gate sections mounted to slide vertically in said frame, a flexible connection suspended in the frame and and supporting the lower gate section, a counterbalance attached to said connection, other flexible connections suspended from the top of the frame and attached to the upper gate section, and revolving supports on both sections and over which the last named flexible connections are looped.

1,629,049. ELECTRIC SIGNALING AND INDICATING APPARATUS. HARRY MELVILLE PROUD, West Ealing, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 8, 1920, Serial No. 372,171, and in Great Britain Apr. 14, 1919. 4 Claims. (Cl. 177—311.)



1. In combination, a source of current, two signaling devices and an indicator responsive to reversals of current polarity, and circuit controlling means for at times connecting one of said devices and said indicator with said source so that current of one polarity is supplied to the indicator, and at other times connecting the other of said devices and said indicator with said source so that current of the opposite polarity is supplied to the indicator.

1,629,050. APPARATUS FOR TREATING GRAINS. LOUIS J. PULS, Walla Walla, Wash. Filed Nov. 24, 1925. Serial No. 71,118. 5 Claims. (Cl. 83—28.)

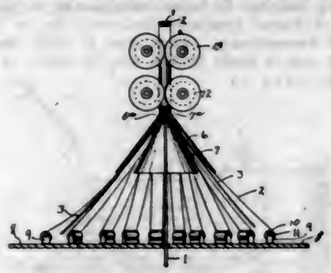


1. In combination a treatment casing, means for supplying power or other treatment agent to said casing, means in the casing at an intermediate point in the length thereof for feeding commingled grain and treatment agent, means in advance of the treatment agent feeding means in the casing for thoroughly commingling the grain and treatment agent, means in rear of the treatment agent feeding means for supplying grain to the treatment casing, and delivery means for receiving the treated grain from the casing; the feeding means in the casing being in the form of an auger, and the grains and treatment agent mixing means being in the form of a cylinder aligned with and fixed at its heel end to the delivery end of the auger and containing ribs or fins adapted to agitate and mix the grain and the treatment agent.

1,629,051. PROCESS OF FORMING METALLIC PACKING. HAMPTON P. RHODES, Houston, Tex., assignor to Rhodes Master Packing Company, Houston, Tex., a Corporation of Texas. Filed Oct. 4, 1924. Serial No. 741,777. 1 Claim. (Cl. 154—2.)

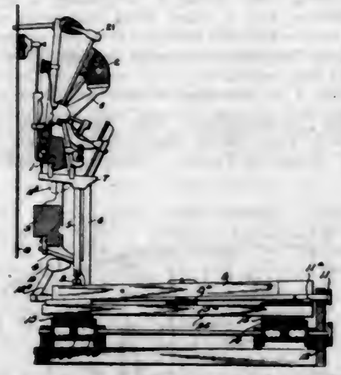
A method of forming a flexible packing comprising feeding a core longitudinally, simultaneously forming an envelope for said core by leading a plurality of flexible strips from spaced sources of supply into contact with said core while applying pressure against both the inner

and outer surfaces of said envelope as it is being formed to interfold said strips with each other and thereby com-



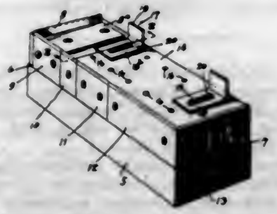
pact and constrict said envelope about said core, and finally pressing and shaping the assemblage into a desired cross section.

1,629,052. TRANSPOSING MECHANISM FOR PIANOS, ORGANS, AND THE LIKE. OSCAR RICHARDS, Montrose, Colo. Filed June 4, 1924. Serial No. 717,816. 3 Claims. (Cl. 84—445.)



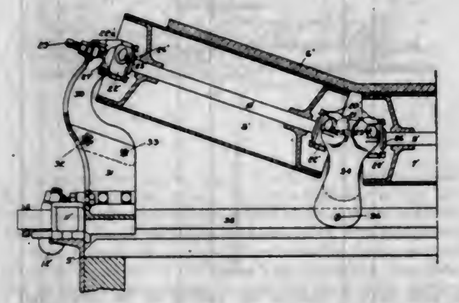
1. In a keyed musical instrument, the combination with the action thereof, of keys mounted for movement beneath the action and adapted thereby to register with the action in a plurality of positions, a frame supporting the keys including longitudinally extending rack bars, a plurality of shafts extending at right angles to the rack bars and mounted upon the frame of the instrument, one of the shafts extending out through the front of the instrument, a plurality of pairs of rollers mounted upon the shafts and having meshing engagement with the rack bars, each of said rollers having opposed flanges embracing the rack bars and that shaft extending through the front of the instrument having a finger hold whereby it may be operated.

1,629,053. MARKER BLOCK. CARL C. SCHRADER, Hughson, Calif. Filed June 1, 1926. Serial No. 112,945. 2 Claims. (Cl. 33—197.)



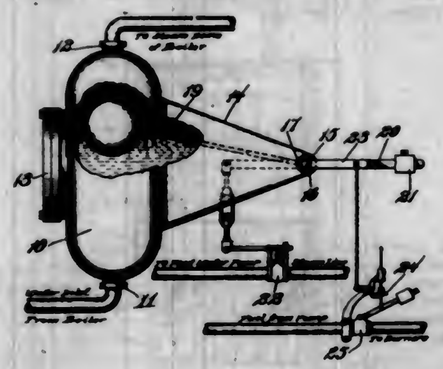
1. A marker device comprising a block, marking means extending beyond a face of the block, said means comprising a plurality of marking plates of different lengths, and having screw-receiving holes therein, screws detachably securing said plates to said block, the apertures in said plates being so disposed that the plates may be interchanged while allowing the apertures therein to register with the original screw holes in the block.

1,629,054. CARRIER FOR ENDLESS-BELT CONVEYERS. FRANK E. SMITH, Scottdale, Pa. Filed Nov. 7, 1924. Serial No. 748,353. 2 Claims. (Cl. 308—20.)



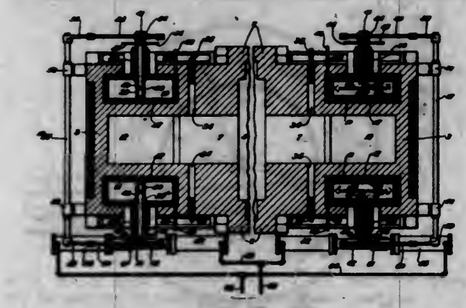
1. A roller supporting structure comprising a pair of fixed supporting members, a shaft journalled therein, a bracket at each end of the shaft having a removable upper end portion pivotally secured thereto, a bearing slidably retained in each of said upper end portions, intermediate brackets on the shafts also having bearings slidably retained therein, means loosely engaging said fixed supporting members for limiting the rocking movement of the shafts, and rollers supported by the bearings in the brackets.

1,629,055. BOILER-CONTROL DEVICE. MARION DEE SMITH, Casper, Wyo., assignor of one-half to Clarence E. Ross, Fort Worth, Texas. Filed Sept. 13, 1924. Serial No. 737,615. 1 Claim. (Cl. 122—447.)



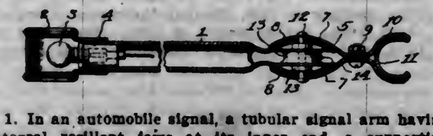
In combination with a boiler having a fuel feed line and a feed water pump supplying water to the boiler, a chamber arranged exteriorly of the boiler connected with the boiler above and below the water line thereof, a float operating within the chamber, a shaft rocked by the rise and fall of the float, a feed line for the feed water pump, a cut-off valve in said feed line, an adjustable connection between said shaft and said valve closing the valve upon elevation of the float, a self-closing latch valve in the fuel line to the boiler, and means operatively connecting the valve and said shaft operating to release the latch of the latch valve and permit the latch valve to close upon a predetermined lowering of the float within the chamber.

1,629,056. REGENERATIVE FURNACE. ANDREW W. SODERBERG, Munhall, Pa. Filed June 10, 1921. Serial No. 476,517. 5 Claims. (Cl. 263—15.)



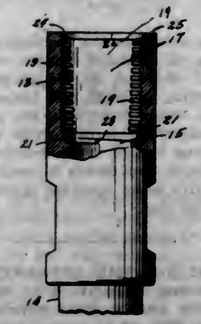
1. In a regenerative open hearth furnace having a hearth, a combined gas and air port, and an air port at each end of said hearth, a single slag pocket arranged below said ports at each end of said furnace, and vertical flues connecting said air ports and said combined gas and air ports with said slag pockets, butterfly type valves mounted in said flues connecting said air ports, and hydraulic cylinders having suitable lever connections with said valves, and adapted to simultaneously operate the valves at both ends of said furnace.

1,629,057. AUTOMOBILE SIGNAL. HUGH H. THEIS, Taylor, Tex. Filed Mar. 28, 1925. Serial No. 19,065. 2 Claims. (Cl. 116—54.)



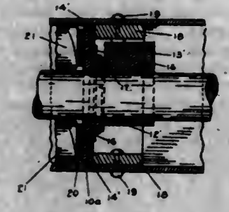
1. In an automobile signal, a tubular signal arm having integral resilient jaws at its inner end, a supporting clamp provided with jaws embracing the jaws of the arm, an axle pin connecting said jaws, a guide pulley between the jaws of the arm and journaled on said pin, a tubular guide on the vehicle, a cable extending through said guide and between said jaws and over the pulley and attached at one end to the signal arm beyond its pivotal connection, and control means attached to the other end of the cable.

1,629,058. THREADED COUPLING. ROBERT A. WILSON, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed July 30, 1925. Serial No. 47,004. 4 Claims. (Cl. 285—149.)



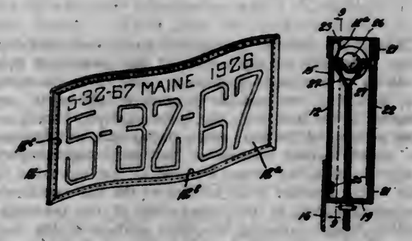
1. A coupling comprising in combination a straight cylindrical pin carried by the pin member and having threads arranged in longitudinal panels, on opposite sides, a tapered extension on the lower end of the pin below the threads, guide shoes on the lower edge of the extension, a box having a well shaped to snugly receive said pin and provided with threads arranged in spaced vertical panels to mesh with the threads of the pin, a tapered socket at the bottom of the well below the threads thereof for receiving the extension of the pin, and guide seats at the bottom of the socket for receiving and supporting the guide shoes.

1,629,059. GREASE RETAINER. RUDOLPH WITKOVSKI, Beatrice, Nebr. Filed Feb. 11, 1926. Serial No. 87,715. 2 Claims. (Cl. 286—7.)



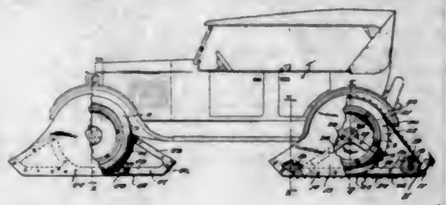
1. A grease retainer comprising a collar having an annular flange at one end thereof, said collar and flange being in the form of two halves of substantially like dimensions, wipers projecting from said collar and in alignment therewith, a composition washer loosely surrounding said collar and bearing against said annular flange, a rigid washer snugly encircling said collar and bearing against said composition washer, and a resilient ring surrounding said collar and bearing against said rigid washer to hold the two parts of said collar and flange in assembled relation with said composition washer and said rigid washer.

1,629,060. WEATHERPROOF ANTITHEFT ATTACHMENT FOR MOTOR VEHICLES. LEWIS W. WOLFSON, Boston, Mass. Filed Sept. 16, 1926. Serial No. 135,979. 4 Claims. (Cl. 40—132.)



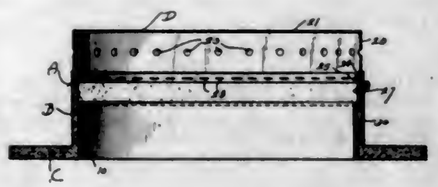
1. An anti-theft accessory for a licensed motor vehicle, comprising, in combination, a flexible license plate substantially duplicating in size and indicia the usual license plate of the vehicle, and foldable to permit storage in a garment pocket, a weatherproof casing having an opening formed to receive the flexible plate in an unfolded condition, means being provided within the casing for releasably confining the flexible plate therein in an unfolded flat condition, the casing including a transparent front wall formed to permit inspection of the confined plate; and means for attaching the casing to a portion of the vehicle adjacent the usual license plate hereof, in position permitting simultaneous inspection of the two plates, the flexible plate being protected by the casing from contamination when in use.

1,629,061. SLED ATTACHMENT FOR AUTOMOBILES. EDWARD R. ARMSTRONG, Holland, Mich. Filed Aug. 8, 1924. Serial No. 730,806. 1 Claim. (Cl. 180—5.)



A sled attachment for the rear wheels of automobiles comprising a runner open at its bottom and having upstanding inner and outer side flanges, a support secured to the inner one of said side flanges and extending upwardly therefrom and having its upper portion provided with a laterally extending stem, a clamp adapted to be removably secured about the axle housing for the rear wheels including separable sections, one section having a bore receiving the said stem, a side plate secured to the outer side flange of the runner and having an opening to accommodate the outer end of the hub of the wheel, a sprocket gear for attachment to the rear wheel, sprocket gears rotatably carried by said runner, a sprocket chain trained about said gears and having a lower stretch extending between the last-mentioned gears, and traction elements carried by the chain and extending through the open bottom of the runner.

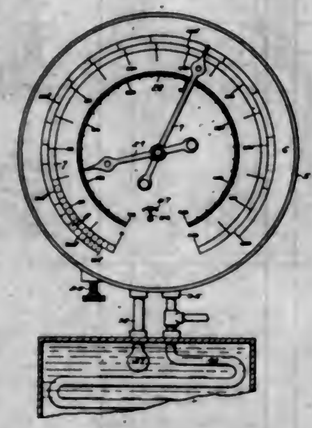
1,629,062. HEAD COVERING. MIGUEL ROSES ARTAU, Santurce, P. R. Filed Aug. 13, 1924. Serial No. 731,826. 1 Claim. (Cl. 2—175.)



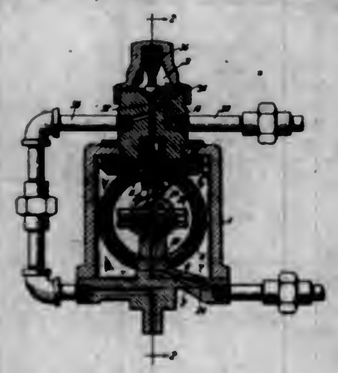
In a head covering a body portion of substantially annular formation having a brim at the lower edge thereof, a crown of diaphanous material said crown including a top wall and an annular perforate side wall portion adapted to lie flush with the outer surface of the annular body portion of the hat, said annular side wall portion of the crown having formed at the lower edge thereof an inwardly extending flange adapted to rest upon the upper edge of the annular body portion of the hat and having a depending flange at the inner edge of the inwardly extending flange engaging the inner surface of the wall of the body portion of the hat, and a band of greater height than the outer wall face of the body portion for concealing the juncture of the body portion with the crown portion.

1,629,063. TERMINAL-DIFFERENCE GAUGE. CHARLES HAROLD BERRY, Detroit, Mich. Filed Apr. 16, 1924. Serial No. 706,951. 6 Claims. (Cl. 73—109.)

1. A terminal difference gauge comprising pressure responsive means, means controlled by said responsive means to indicate the temperature of vaporization corresponding to the absolute pressure of one medium throughout variations of the existing atmospheric pressure, in combination with a temperature responsive means mechanically separated from the pressure responsive means and disposed in such relation to a second medium that is being acted upon by the first named medium, as to indicate the temperature imparted to said second medium by said first medium and a member common to both the pressure responsive means and the temperature responsive means, the positions of said two means, with respect to each other upon said member, indicating the terminal difference, as described.
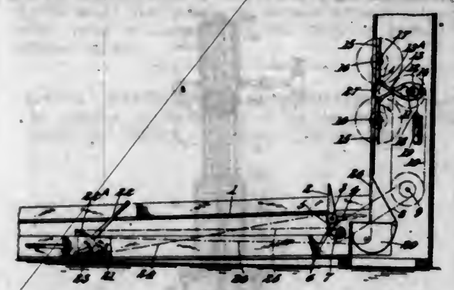


1,629,064. TEMPERATURE, PRESSURE, OR FLOW REGULATING DEVICE. ANDREW BITZEL, Akron, Ohio, assignor to The Thermo Instrument Company, Akron, Ohio, a Corporation of Ohio. Filed May 28, 1925. Serial No. 33,682. 9 Claims. (Cl. 236—86.)



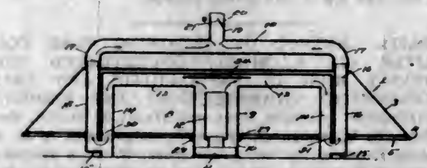
1. In a heat, pressure or flow regulating and responsive device, a housing, an actuating element responsive to heat or pressure in a chamber, an air passageway, a valve therein, a pin resting upon the heat responsive element, a rotatable gear, a bridge piece upon the gear, said bridge piece having a non-rotatable connection with said pin, a screw-threaded plug located in the housing and in which said pin is received, and means to hold said plug non-rotatably, the valve being operated through the medium of the said pin and plug.

1,629,065. BOWLING-GAME APPARATUS. GRANVILLE BRADSHAW, London, England. Filed Mar. 8, 1927, Serial No. 173,726, and in Great Britain May 6, 1925. 9 Claims. (Cl. 273—41.)

1. In a bowling game apparatus, an alley bed, a support maintained below one end of the alley bed, targets mounted for movement on the support, projections on the targets for engagement with the under side of the alley bed to form a continuance of the alley bed when the targets are in substantially horizontal position.



1,629,066. BROODER. WILLIAM G. BRUNS, Sioux Falls, S. Dak. Filed Jan. 5, 1926. Serial No. 79,335. 1 Claim. (Cl. 19—32.)



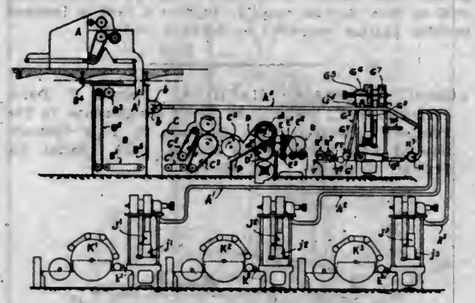
In a brooder of the class described, in combination, a burner, a cylindrical housing surrounding said burner, a conduit connected with the upper portion of the housing and including branches extending in opposite directions from said housing, said branches including depending portions and upwardly directed portions, supporting members carried by the lower portion of said housing and extending radially therefrom, a sectional hood adapted to enclose said housing and conduit, said housing including a flattened apex portion and downwardly inclined side and end wall portions, said apex portion being provided with openings through which the discharge end of the upwardly directed portions of said branches are extended, and a substantially U-shaped conductor pipe, the end portions of the arm of which are connected with the discharge end portions of said branches.

1,629,067. ABDOMINAL SUPPORTER. WILLIAM T. BUCKNER, Shelbyville, Ky., assignor of one-half to Agnes Frederick Guthrie, Shelbyville, Ky. Filed Mar. 6, 1926. Serial No. 92,767. 2 Claims. (Cl. 128—148.)



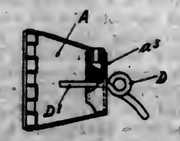
1. A pneumatic pad for a surgical appliance, the same comprising a front and back, united at their outer marginal edges, an air valve applied to the back, a base-plate coextensive with the pad and secured at its outer edge thereto and provided with an opening to accommodate the said air valve, a collar projecting from the base plate in line with the opening therein, and a cap threaded to said collar and serving as protective means for the air valve and as fastening means for securing the pad to the appliance.

1,629,068. APPARATUS FOR USE IN TREATING COTTON AND OTHER FIBROUS MATERIALS. JOHN WILLIAM COOK, Manchester, England. Filed July 16, 1923, Serial No. 651,909, and in Great Britain July 18, 1922. 9 Claims. (Cl. 19—72.)



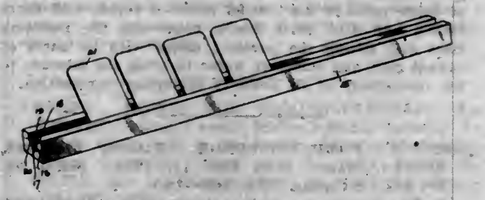
1. In apparatus for treating cotton or other fibrous material the combination of means for opening the material, mechanical feeding apparatus adapted to loosen and carry forward the material, a plurality of pneumatic feeding appliances adapted to receive the material from the mechanical feeding apparatus, means adapted to regulate the supply of material to the said pneumatic feeding apparatus, means adapted to deliver the material from the pneumatic feeder in the form of a doubled fleece, a plurality of carding engines, and means adapted to divide and feed the said doubled fleeces to the various carding engines.

1,629,069. LAPPET AND THREAD GUIDE OF SPINNING, TWISTING, AND LIKE MACHINES. NORMAN COOK, Manchester, England. Filed Sept. 27, 1924, Serial No. 740,326, and in Great Britain Sept. 28, 1921. 2 Claims. (Cl. 118—12.)



1. In a lappet and thread guide for spinning twisting and like machines the combination with a thread guide of a lappet having a metal plate the forward portion of which is bent to form a cylindrical bushing the interior of which is tapped and in the walls of which are cut oppositely situated holes on a line transversely of the bushing, the said holes being adapted to receive the shank of the thread guide, and a set screw adapted when screwed into the bushing to abut against the portion of the thread guide shank that crosses the said bushing.

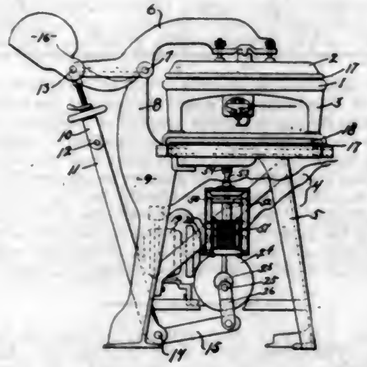
1,629,070. CARD RACK. HERBERT T. COX, Los Angeles, Calif. Filed Jan. 16, 1926. Serial No. 81,786. 1 Claim. (Cl. 273—150.)



A card rack comprising an elongated body having in its upper side a longitudinally disposed groove coextensive in length therewith, said groove having a flat bot-

tom and one side wall rising at right angles therefrom, and another side wall which is transversely stepped from end to end, the upper edge of the latter wall and the edge of the step therein being disposed in an inclined plane which intersects the lower edge of the first side wall so that they all coact to support a card in inclined position against rearward or forward tilting.

1,629,071. PRESSING MACHINE. JOSEPH P. DALY, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed May 9, 1924. Serial No. 712,046. 3 Claims. (Cl. 68—9.)



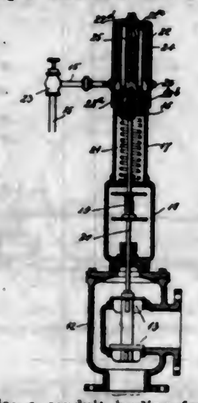
1. The combination of a pressing machine including a buck, a press head movable toward and from the buck, mechanism for actuating the press head including a toggle and actuating means including a constantly running drive shaft, a driven shaft and connections between the driven shaft and the toggle and connections between the drive shaft and the driven shaft for clutching the driven shaft to the drive shaft, with a conveyor movable over the face of the buck between the buck and the head, actuating means for the conveyor connected to the driven shaft which is actuated by the driving shaft through the clutch, the actuating means for the conveyor including timing mechanism to actuate the conveyor during the opening and closing only of the press head.

1,629,072. COMPOSITION FOR AND METHOD OF COATING METAL SURFACES. RALPH R. DANIELSON, Chicago, Ill. Filed Dec. 1, 1923. Serial No. 678,043. 10 Claims. (Cl. 148—1.) (Granted under the act of Mar. 3, 1883; 22 Stat. L. 625.)

1. A composition for use in protecting metallic surfaces in selective carburization comprising, 100 parts of frit, prepared by sintering at 800° C. to 900° C., a mixture of 64.90 parts of flint, 36.96 parts of borax, 6.95 parts $NaNO_3$ and 8.17 parts Pb_3O_4, powdering the resulting mass and sifting the powder; mixed with 93 parts of enamel clay, and sufficient water to bring the mixture to the consistency of an ordinary enameling composition.

1,629,073. PUMP GOVERNOR. WILFORD FLETCHER, Billerica, Mass. Filed Feb. 11, 1924. Serial No. 691,869. 2 Claims. (Cl. 103—16.)

1. The combination with a steam pump equipped with a valve controlling the supply of motive fluid thereto, said valve having an upwardly extending stem with a controlling piston at the upper end thereof, a cylinder in which said piston is fitted equipped with a backing spring, and an oil containing chamber borne at the top of said cylinder having a connection with the pump discharge,



and having also a conduit leading from the top portion thereof downward through the bottom thereof, and opening into the top of the piston cylinder.

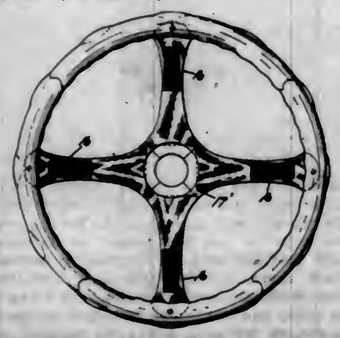
1,629,074. METHOD OF OBTAINING FROM COD-LIVER OIL A HIGHLY-CONCENTRATED SUBSTANCE RICH IN ANTIRACHITIC AND ANTI-XEROPHILIC VITAMINES AND THE PRODUCT THEREOF. CASIMIR FUNK and HARRY E. DUBIN, New York, N. Y., assignors, by mesne assignments, to H. A. Metz Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 28, 1923. Serial No. 648,390. 14 Claims. (Cl. 167—7.)

1. Process of concentrating the vitamine content of a vitamine-containing material which comprises extracting the material with an organic acid and separating the resulting extract from the organic acid.

8. Process of concentrating the vitamine content of cod liver oil which comprises extracting the oil with glacial acetic acid, separating the resulting extract from acetic acid, saponifying the separated extract and separating saponified from unsaponified material, and further concentrating the vitamine content of the unsaponified material by a digitonin precipitation.

11. A vitamine-containing product derived from an organic acid extract of cod liver oil, said product containing in concentrated form antixerophthalmic and antirachitic vitamines in substantially the same ratio as cod liver oil.

1,629,075. HANDWHEEL. HARVEY D. GEYER, Dayton, Ohio, assignor, by mesne assignments, to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug 15, 1922. Serial No. 582,010. 2 Claims. (Cl. 74—33.)



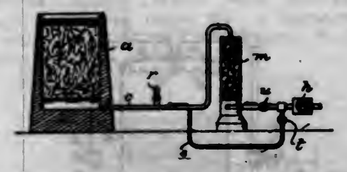
1. A handwheel having a rim and a spider comprising wooden spokes, said spokes being widened at their inner ends and abutting each other on radial lines and rigidly joined together, the joint being made by a polygonal central spline having the same number of straight sides as the wheel has spokes, the corners of said polygonal spline lying substantially at the lines of contact of adjacent spokes.

1,629,076. WINDOW-SASH CONSTRUCTION. CHARLES M. GIBSON, Rochester, N. Y. Filed Apr. 23, 1926. Serial No. 104,079. 2 Claims. (Cl. 20—49.)



1. A window sash comprising vertically slidable supporting members, a glass retaining frame, stop plates secured to the frame and supporting members respectively, the adjacent stop plates being located in different vertical planes and arranged to substantially overlap each other when the frame is in vertical position, the supporting members and frame being recessed under their respective stop plates to afford openings which receive the co-operating and overlapping stop plates, and means pivotally connecting the stop plates at their lower ends to permit swinging movement of the frame about its lower portion.

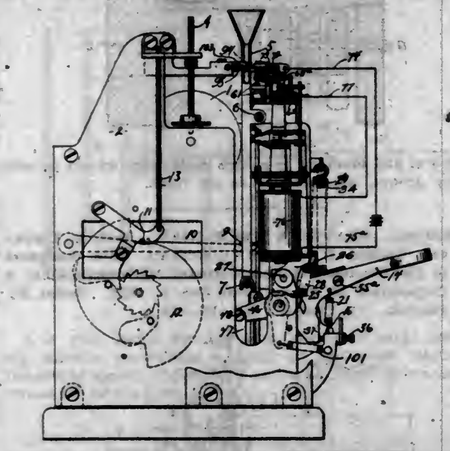
1,629,077. PRODUCTION OF FODDER. MARTIN HÖLKEN, Sr., Barmen, Germany. Filed Apr. 24, 1925. Serial No. 25,595, and in Germany Feb. 17, 1925. 5 Claims. (Cl. 99—11.)



1. The described method of preserving green fodder in silos by conversion into sweet pressed fodder, which consists in initially forcing into the packed silage gases containing atmospheric air having its normal free oxygen content, and in subsequently forcing in gases practically devoid of free oxygen, and using these latter gases to drive out of the silage the more or less oxygen-laden gases.

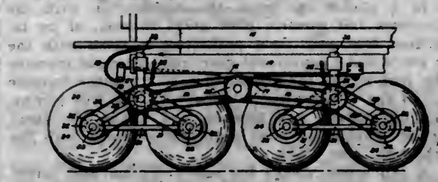
1,629,078. RECORDING MACHINE. JAMES F. KIELY, Syracuse, N. Y. Filed June 15, 1923. Serial No. 645,579. 4 Claims. (Cl. 234—48.)

1. In a recording machine the combination of a printing couple comprising a stamp element and a card receiver element having relative movement to effect the printing of a record on the card in the receiver and relative lateral movement to locate the record on the card, operating means for effecting such relative movements, stop mechanism for limiting the lateral movement in successive positions, mechanism operated by the relative movement of the printing couple elements while making a record to produce a modification in the form of a boss projecting out of the plane of the card for con-



trolling the operation of the stop mechanism during the next printing operation on the card, said stop mechanism comprising a part located out of the plane of the card and in the path of the boss to be engaged and shifted thereby, during the lateral movement of the car receiver.

1,629,079. TRACKLESS VEHICLE. HARRY A. KNOX, Davenport, Iowa. Filed Nov. 8, 1924. Serial No. 748,891. 4 Claims. (Cl. 180—22.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. A truck unit for motor vehicles embodying a main frame adapted to be centrally pivoted on an end of the vehicle axle, a plurality of groups of wheels independently hung from each end of the frame and means for driving the wheels.

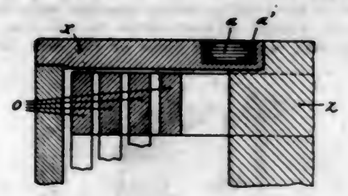
1,629,080. CONCENTRATION OF MINERALS FROM ORES BY THE USE OF SULPHONES AS FLOTATION REAGENTS. FREDERICK LAIST and FREDERICK F. FRICK, Anaconda, Mont. Filed Apr. 13, 1926. Serial No. 101,793. 7 Claims. (Cl. 209—166.)

1. A process of concentrating ores by froth flotation, which comprises subjecting to a flotation operation a mixture of the ore containing a sulphone in a quantity effective for flotation.

1,629,081. ROTOR FOR DYNAMO-ELECTRIC MACHINES. FRANZ LASZLO, Mulheim-Ruhr, Germany, assignor to Thyssen & Co. Aktiengesellschaft, Mulheim-Ruhr, Germany. Filed Dec. 2, 1925, Serial No. 72,755, and in Germany Dec. 28, 1922. 2 Claims. (Cl. 171—206.)

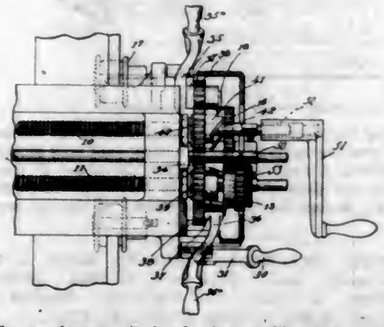
1. The combination, in a rotor for dynamo-electric machines, of a rotor core, rotor coil heads projecting from the ends of the latter, a solid fastening-hood placed

over said coil heads with its inner end upon said rotor core and having at said inner end at least one deep ring



groove, and bindings of a high yield-point wound in said ring groove, substantially as set forth.

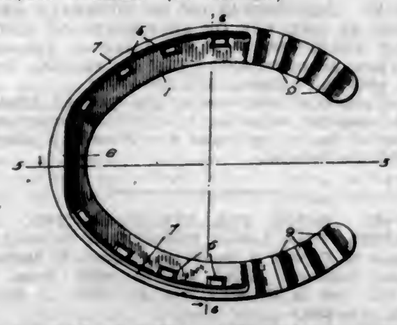
1,629,082. TRAVERSE MECHANISM. CARL E. LINDEN and GEORGE E. LANGEN, Cincinnati, Ohio, assignors to The Cincinnati Planer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 9, 1921. Serial No. 443,652. 12 Claims. (Cl. 90—49.)



1. In a planer rail head, the combination with the feed screws and movable click gears thereon, of an intermittent feed gear train positioned to mesh with the click gears, and a continuous gear train for rapid traverse of the feed screws comprising in part a member movable into and out of operative relation with the feed screws, means for moving said member, and means for simultaneously moving the click gears out of mesh with the intermittent gear train.

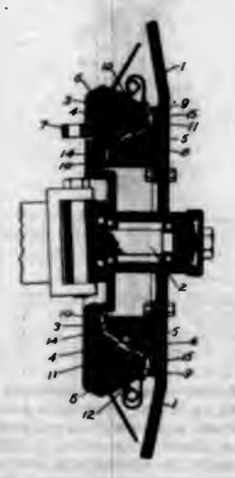
9. A rail screw, means for power driving said screw, a handle for manually setting said screw, and means for disconnecting it automatically from the screw upon coupling the power means to the screw.

1,629,083. HORSESHOE. PETER F. MEADE, U. S. Army, Washington, D. C. Filed Sept. 17, 1924. Serial No. 738,315. 3 Claims. (Cl. 168—24.)



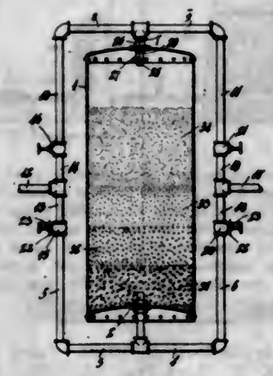
2. A horseshoe including a body having a toe portion and heel portions, a plurality of transverse calks at the heel portions, a toe calk, and main body calks extending between and merging into a forward heel calk and said toe calk, the outer face of said calks all extending vertically from the outer edge of the body throughout, said calks being provided with relatively wide bases and narrow contact faces to prevent the anchoring of accumulations of foreign matter and prevent slipping in all directions.

1,629,084. ELECTROMAGNETIC BRAKE. ROBERT V. MORSE, Ithaca, N. Y. Filed Aug. 7, 1924. Serial No. 730,727. 8 Claims. (Cl. 188—156.)



1. In a brake, the combination of a rotating member to be braked, a friction brake adapted to operate on said member, mechanical means for applying said friction brake, magnetic means for augmenting the force of said mechanical means when the brake is applied, said magnetic means being energized by the rotation of the member to be braked.

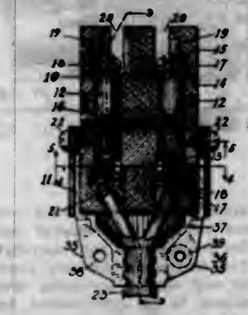
1,629,085. FILTER. EDMOND ROBERTSON, Newport, Ky. Filed Sept. 21, 1923. Serial No. 664,055. 1 Claim. (Cl. 210—144.)



In a filter comprising an upright cylindrical enclosure having passages respectively in its top and bottom from its interior outward, and filtering material interposed between said passages, resting on the bottom of said enclosure around the lower passage and spaced down from the upper passage said material being progressively

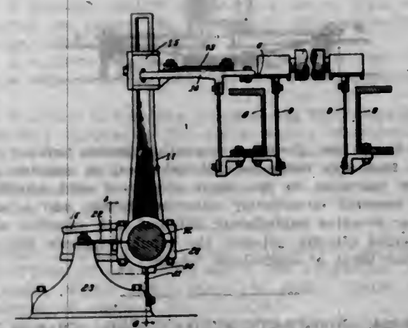
of finer texture from bottom to top, inlet means, connections from said inlet means to the respective passages, outlet means, connections from the outlet means to the respective passages, cutoff valves in said connections between the respective passages and the inlet means and outlet means, and a combined filtering-outlet and washing-inlet nozzle in the space above the filtering material spaced away from said material but freely accessible therefrom, leading down from the upper passage and having a lower downwardly directed opening and openings in various lateral directions.

1,629,086. CONNECTION PLUG. MAURICE J. WOHL, Long Island City, and MAX MAYER, New York, N. Y., assignors to M. J. Wohl & Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed Mar. 1, 1923. Serial No. 622,040. 14 Claims. (Cl. 173—322.)



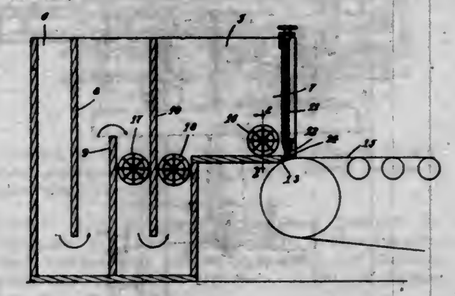
1. In a connection plug, and insulating block, a connection terminal held therein, a pair of shells alike in shape covering said body, jaws forming a clamping tube at the cable end of said shells an alining edge on one longitudinal side of each shell overlapping the outside of the other shell and pivot pins in said ledges near the terminal end of said plug forming means to oscillate said shells with their jaws, and means on said shells to press them and their jaws against each other.

1,629,087. SHAKER MOUNTING FOR FOURDRINIER MACHINES. ALONZO ALDRICH, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a Corporation of Wisconsin. Filed Jan. 30, 1925. Serial No. 5,696. 17 Claims. (Cl. 92—45.)



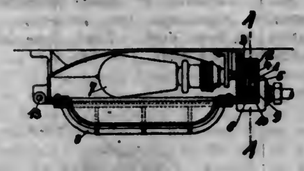
1. The mounting for an oscillatory shaft comprising sets of flat springs fixed at longitudinally spaced points to the shaft in radial relation thereto and spaced circumferentially to provide vertical and lateral support therefor.

1,629,088. MIXER FOR FOURDRINIER FLOW BOXES. ALONZO ALDRICH, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a Corporation of Wisconsin. Filed July 19, 1926. Serial No. 123,281. 5 Claims. (Cl. 92—44.)



1. A pulp mixer for the flow box of a paper making machine comprising a series of perforated circumferentially spaced and radially arranged mixer plates, and means for rotating the mixer.

1,629,089. EXPLOSIONPROOF FITTING FOR ELECTRIC GLOWLAMPS. JOHANNES BECKMANN, Altona-Ottensen, Germany. Filed Nov. 30, 1926, Serial No. 151,792, and in Germany Mar. 3, 1926. 1 Claim. (Cl. 240—17.5.)

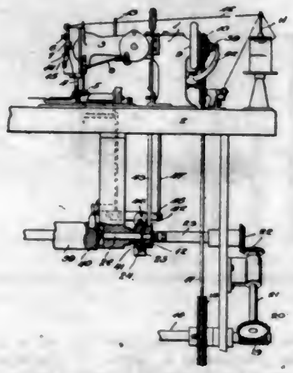


The combination, in an explosion proof fitting for electric glow-lamps, of a flattened switch axle part, a stationary fitting member and a hinged fitting member, fastening-screws to close said hinged fitting member upon said stationary fitting member, an open-ended casing integral with said stationary fitting member, a spring-influenced non-turnable slide in said casing having a slotted end and adapted to straddle therewith the flattened switch axle part and thus to prevent a turning thereof in the open position of the hinged fitting member, a lug on the hinged fitting member having an open-ended keyhole therein and adapted to enter the open end of the casing and to retract said slide while receiving the flattened switch axle part in the round boring of its keyhole and allowing a turning thereof in its closed position only, said flattened switch axle part in its switched-on position preventing an opening of the hinged fitting member even after loosening of said fastening-screws.

1,629,090. AUTOMATIC STOP MECHANISM FOR SEWING MACHINES. JOHN BOSTON, Newark, N. J., assignor, by mesne assignments, to T. Harden Carter. Original application filed Sept. 4, 1918, Serial No. 252,527, Patent No. 1,502,544, dated July 22, 1924. Divided and this application filed Sept. 18, 1923. Serial No. 663,489. 3 Claims. (Cl. 112—219.)

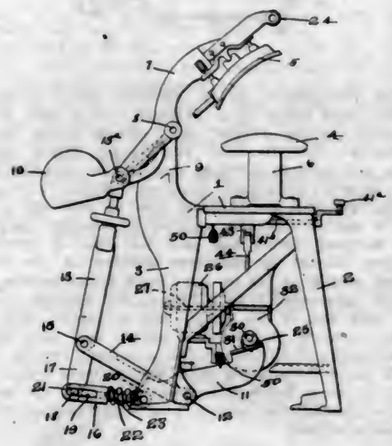
1. In a machine of the class described, a movable element, means to control operation of the machine through movement of said element, means to operate said element by feed of the material up to the point of exhaustion including a material-engaging device having a spring, a weighted lever arm normally held slightly to one side of

its fulcrum by light pressure of said spring, and a connection flexibly longitudinally disposed between said arm and element to enable the weight of the arm to



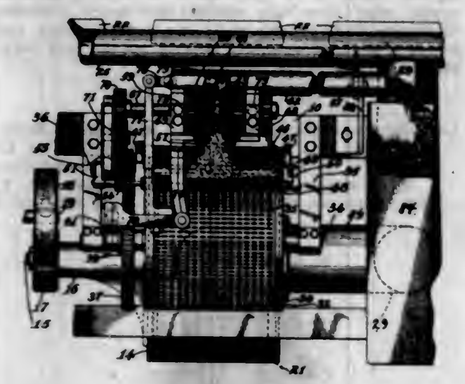
exert maximum force on said element when released by said spring to draw said connection and thereby move the element and associated parts.

1,629,091. PRESSING MACHINE. ALBERT B. CLISSON, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed June 18, 1924. Serial No. 720,869. 3 Claims. (Cl. 68—9.)



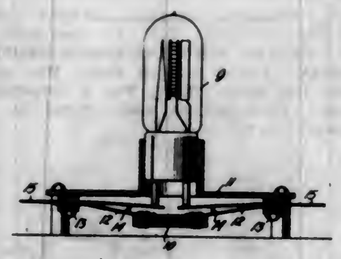
1. In a pressing machine, a frame, cooperating pressing elements supported by the frame and one being supported to move toward and from the other, and means for actuating the movable element comprising a power member and toggle mechanism between the power member and the movable element, the toggle mechanism comprising a link pivotally connected to the movable element, a second link pivoted to the first link and to the frame, and a third link pivoted to the power member and to one of the former links, one of said links comprising sections having an endwise movement relative to each other and a spring for resisting such endwise movement.

1,629,092. WASTE-REMOVAL APPARATUS. FRANK L. CROCKETT, North Uxbridge, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Sept. 10, 1918. Serial No. 253,350. Renewed Dec. 1, 1925. 8 Claims. (Cl. 19—115.)



6. The combination in a multiple head combing machine, of a series of narrow elongated nozzles, one placed close to the periphery of each scavenging brush, a suction producing device, passageways connecting all said nozzles to the said suction producing device, and a screen means, common to all said nozzles, intercepting the fibers in the air current.

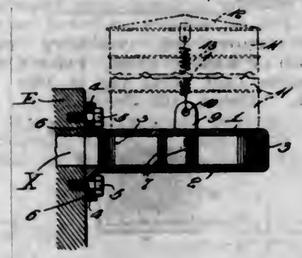
1,629,093. SIGNALING SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,315. 5 Claims. (Cl. 178—70.)



1. In a low frequency signaling system subject to high frequency extraneous disturbances, an amplifier, a series reactance in the input circuit of said amplifier and mounted immediately adjacent thereto, and a condenser mounted immediately adjacent said amplifier and connected directly between the input terminals thereof without leads of appreciable length.

1,629,094. HOT-PLATE AUTO COOKER. CHARLES W. DALY, Davenport, Iowa. Filed June 30, 1925. Serial No. 40,665. 1 Claim. (Cl. 126—20.)

An exhaust manifold adapted to serve as a hot plate, said manifold comprising a hollow body portion of oval outline and having a flat top wall, said manifold having its rear end provided with an outlet opening and having one lateral wall provided immediately in front of said outlet opening with an inlet passage and



equipped with attaching flanges, and a baffle in said manifold interposed between said inlet passage and said outlet opening.

1,629,095. TUNING PIN HOOKS AND METHOD OF MAKING THE SAME. ROBERT C. DANLY, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 26, 1926. Serial No. 104,625. 10 Claims. (Cl. 113—116.)



1. The method of forming an article having a pair of hook shape wings in spaced relation, which comprises the blanking out of a plate metal blank having a flat main portion, a pair of flat wings in spaced relation and an extension intermediate of said wings, forming said blank along its midwidth with a hollow rib providing a receiving channel, deflecting said intermediate extension to form a closure web for an end of the channel formed by the hollow rib, forming a central orifice in said closure web, and bending the free ends of the wings into a hook form.

1,629,096. COSMETIC. ARTHUR L. DAVIS, Alton, Ill. Filed Nov. 22, 1923. Serial No. 676,257. 7 Claims. (Cl. 167—9.)

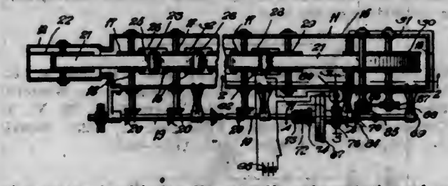
1. A cosmetic capable of absorbing matter from and bleaching the human skin, comprising silica gel reduced to a fine state of pulverization.

3. A cosmetic capable of absorbing matter from the human skin comprising silica gel mixed with pulverized talc.

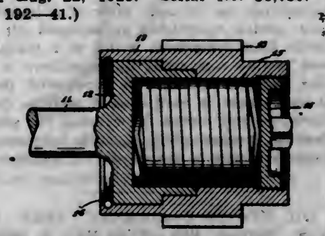
6. A process of bleaching and cleansing the human skin comprising applying to the skin a coating of pulverized silica gel and permitting the coating to remain in contact with the skin until the oil and impurities have been absorbed from the surface and pores of the skin and then removing the coating.

1,629,097. APPARATUS FOR HANDLING MOTION-PICTURE FILMS. VINCENT C. DE YBARRONDO, Los Angeles, Calif. Filed May 16, 1928. Serial No. 639,344. 3 Claims. (Cl. 271—2.3.)

1. In a film handling apparatus, the combination of: a film feeding mechanism; a film take-up mechanism; a film operatively associated with said mechanisms and arranged to form an intermediate depending loop; friction means for applying power to said take-up mechanism; gravity means hanging in said loop and adapted to be elevated when the loop is shortened by a speed increase of lineal travel of its take-up run; and means controlled by said gravity means for causing slippage of said friction means by frictionally retarding the rotation of said take-up mechanism when said gravity means reaches a predetermined elevation.

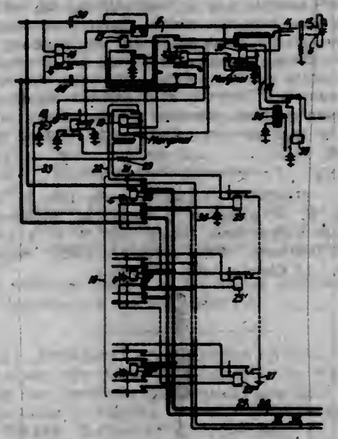


1,629,098. SPRING CLUTCH. CHARLES DREXLER, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 22, 1925. Serial No. 51,730. 4 Claims. (Cl. 192—41.)



1. In combination, two relatively rotatable members, one of said parts being provided with a central circular recess, a coil spring located in such recess and operatively connected to the other of said rotatable members, so that when said two members tend to rotate relatively in a direction to unwind said spring said spring will tend to expand, at least the majority of the turns of said coil spring being in contact with adjacent turns, axially collapsible resilient means located at one end of said spring, and means for applying axial pressure to said spring through said resilient means.

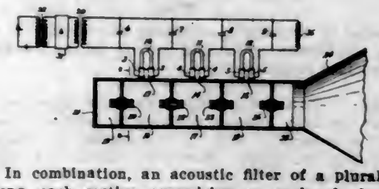
1,629,099. TELEPHONE SYSTEM. CLARENCE B. FOWLER, Queens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 12, 1925. Serial No. 49,742. 3 Claims. (Cl. 179—50.)



1. In a telephone system, a line, a connecting trunk therefor, a relay arrangement for completing a talking connection and maintaining without interruption a cer-

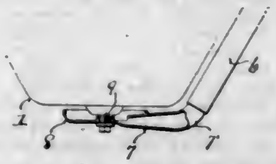
tain electrical condition on said trunk, means for operating said relay arrangement responsive to the connection of all of the conductors of the trunk with the corresponding conductors of the line.

1,629,100. TRANSMISSION SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1923. Serial No. 681,926. 10 Claims. (Cl. 178—44.)



1. In combination, an acoustic filter of a plurality of sections, each section comprising an enclosed air chamber, an electric filter comprising a line of a plurality of sections, each section comprising an impedance in shunt with the line and an impedance in series with the line, one of said impedances in each of said sections comprising an inductance, and means for causing the electrical currents flowing through each of said inductances to produce vibratory energy in one of said air chambers.

1,629,101. OIL HEATER FOR CRANK CASES. FRANK HEIMERL, St. Nazianz, Wis. Filed Mar. 4, 1926. Serial No. 92,378. 2 Claims. (Cl. 184—104.)



1. The combination of an internal combustion engine having an exhaust manifold and having a crank case provided with a drain plug, an attachment of disc-like contour having a central aperture surrounded by an upstanding flange and having a marginal flange, said central aperture being adapted to receive the drain plug, whereby the member may be held adjacent the bottom of the crank case with the central flange contacting with the bottom of the crank case and the marginal flange spaced therefrom, said member having an outwardly extending tubular portion opening into such member, and a pipe connection between said exhaust manifold and said tubular portion, whereby exhaust gases are distributed by said member adjacent the bottom of said crank case.

1,629,102. FUSIBLE ELEMENT. DE LOS N. HICOK, Newark, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 17, 1922. Serial No. 582,564. 14 Claims. (Cl. 169—42.)



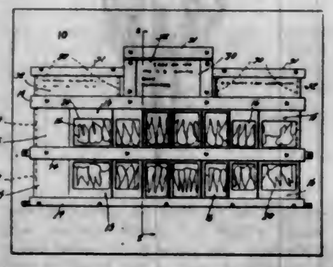
1. As a new article of manufacture, a temperature sensitive device comprising a liquid container adapted to receive a fusible substance in liquid state, a fusible substance therein consisting of a stable organic compound of crystalline character, and a stressed element anchored in the compound.

1,629,103. PROTECTED CONCRETE PILE AND METHOD OF MAKING SAME. FRANK S. HONBERGER, Los Angeles, Calif. Filed Aug. 28, 1926. Serial No. 132,073. 7 Claims. (Cl. 25—155.)



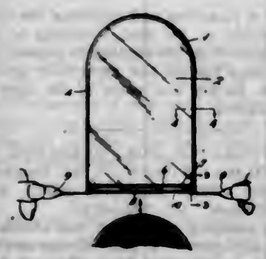
4. A protected concrete body, comprising a main inner body of comparatively dense concrete, and a surrounding concrete sheathing formed integrally with said main body and of comparatively porous concrete and having its interstitial spaces filled with asphalt.

1,629,104. MAKE-UP FRAME FOR X-RAY PHOTOGRAPHY. ALBERT H. HONEY, Los Angeles, Calif. Filed Oct. 23, 1924. Serial No. 745,300. 3 Claims. (Cl. 40—64.)



1. A make-up device for holding a plurality of transparencies to be collectively photographed, embodying an opaque plate with an opening therethrough and slideways on opposite sides of the opening, a plurality of opaque transparency carriers of uniform height dimension adapted to fit into said slideways and collectively cover said opening, said carriers embodying two leaves with registering apertures therethrough and said apertures in the several carriers being of different dimensions so as to expose transparencies of different sizes.

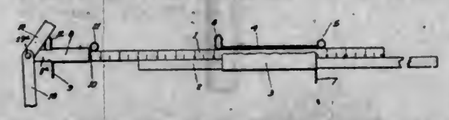
1,629,105. RACKET CASE. ELBERT C. HOOVER and IRWIN C. HOOVER, Washington, D. C. Filed Sept. 17, 1924. Serial No. 738,215. 1 Claim. (Cl. 150—52.)



An open month case of the character described consisting of two similar fabric sections secured together at their peripheral edges by an attached strip, the material of

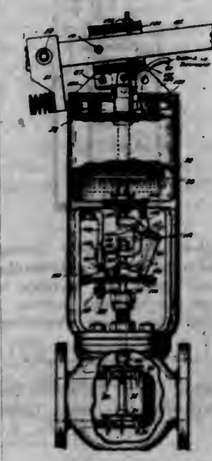
the case at the mouth thereof being folded back and secured upon itself, an elastic band inserted within the folded portion to normally constrict the opening of the mouth, said mouth being capable of extension by hand pulls which are formed by extending the strip which is attached to the peripheries of the fabric sections beyond the mouth of the case on each side thereof.

1,629,106. HANDY MEASURING DEVICE. CHARLES JOSEPH JOHNSON, Sacramento, Calif. Filed Aug. 19, 1925. Serial No. 51,128. 2 Claims. (Cl. 33—98.)



1. A measuring device including a bar, a slide movable thereon, a flat spring extending lengthwise between adjacent faces of the slide and bar, and rigid loops of different shapes projecting outwardly from both ends of the spring transversely thereof and outwardly of the slide.

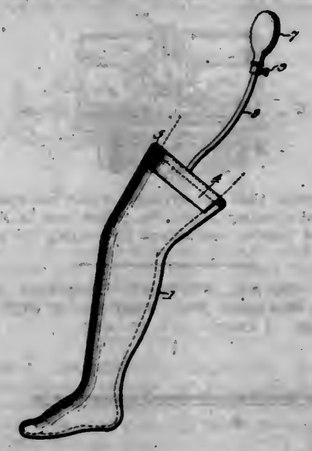
1,629,107. HUMIDITY REGULATOR. ARTHUR E. KRICK, Danville, Ind., assignor to The Humidity Control Company, Indianapolis, Ind., a Corporation of Indiana. Filed Oct. 22, 1923. Serial No. 669,910. 19 Claims. (Cl. 236—44.)



1. In combination, a shiftable controlling member, an actuating member therefor, and a floating spring-collapsed toggle acting on said controlling member and collapsible on either side of alined position to tend to move the controlling member toward either of its end positions, said toggle being substantially free from outside lateral pressure and reaction and capable of a limited opening movement from either of its collapsed positions without changing the position of said controlling member.

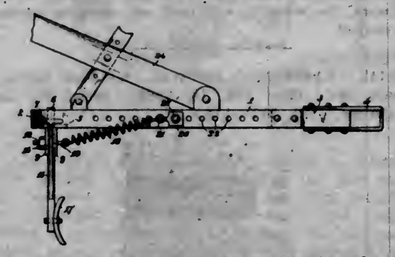
1,629,108. APPARATUS FOR THE TREATMENT OF VARICOSE VEINS. SIMON LAKE, Milford, Conn. Filed Sept. 5, 1924. Serial No. 736,146. 2 Claims. (Cl. 128—299.)

1. An apparatus for treating varicose veins of a body member, comprising a casing fitted to but out of contact with said member and substantially conforming to the shape of said member, an elastic band carried by said casing and folded inwardly thereof and intimately embracing said body member, and means for introducing fluid under pressure into said casing including a ring



lying between said casing and said band and provided with a plurality of openings for evenly distributing the fluid under pressure throughout said casing.

1,629,109. CULTIVATING APPARATUS. LEWIS MASON LEE, Frankfort, Ky. Filed Mar. 18, 1924. Serial No. 700,111. 7 Claims. (Cl. 97—174.)



1. In cultivating apparatus, the combination of a draft beam, a shovel frame pivoted thereto, and springs anchored to the end portions of the frame and connecting the frame to the beam, the springs being adjustable along the beam for varying the points of purchase and the tension of the springs simultaneously.

1,629,110. STIFFENER FOR BOOTS AND SHOES AND COMPOUND USED THEREIN. STANLEY P. LOVELL, Brockton, Mass. Filed Mar. 10, 1923. Serial No. 624,267. Renewed Oct. 7, 1926. 7 Claims. (Cl. 91—68.)

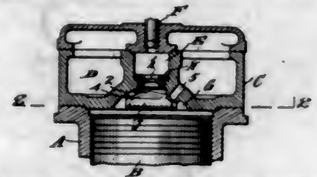
3. A stiffener for boots and shoes and the like, consisting of fibrous material impregnated with a stiffening compound comprising a lignite-extracted wax and a vegetable oil.

7. A stiffening compound for fibrous material consisting of Montan wax and soya bean oil.

1,629,111. INTERNAL-COMBUSTION ENGINE. CHARLES E. LUCKE, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 25, 1924. Serial No. 728,101. 3 Claims. (Cl. 123—33.)

1. In an internal combustion engine, the combination with a precombustion chamber having a restricted opening to the cylinder and a fuel injector delivering fuel to the

chamber, of a dome-shaped combustion chamber in the cylinder having its axis coincident with the restricted opening from the precombustion chamber and of less area



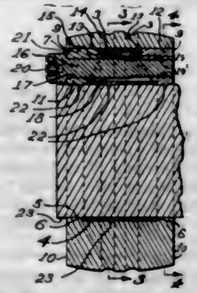
in cross section than the cylinder, a fuel spreader in the dome-shaped chamber above the piston and in line with the fuel fed thereto, and means for cooling the spreader.

1,629,112. FLORAL SUPPORT. FREDERICK D. MACDONALD, Milwaukee, Wis. Filed May 8, 1925. Serial No. 28,838. 1 Claim. (Cl. 47—41.)



A floral support for removable positioning within a container and comprising a metal band having a notched upper edge, a plurality of wires having their ends secured in said notches, said wires crossing each other to form a plurality of apertures for the reception of stems of flowers, the wires betwen each two crossing points being crimped.

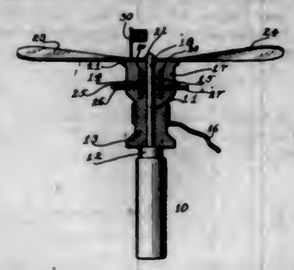
1,629,113. FASTENING DEVICE. WILLIAM MAIER, St. Louis, Mo. Filed Jan. 16, 1925. Serial No. 2,880. 7 Claims. (Cl. 287—114.)



1. The combination with a pair of elements disposed toward one another in embracing and embraced relation, respectively, and one of which is provided with a laterally-extending groove in its cooperating face and which groove opens into its lateral face, of a fastening device adapted to be inserted laterally into said groove, said device comprising a pair of blocks having their inner opposite surfaces inclined, a shoe abutting said blocks and presenting inclined abutting faces and means threadedly engaging one of said blocks for simultaneously urging the pair of blocks together for forcing said shoe into contact with one of said embraced elements.

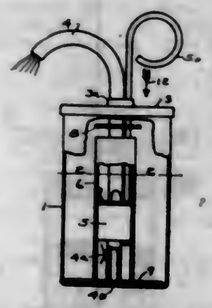
1,629,114. FLYING TOY. ANIELLO MASCOLO, Waterbury, Conn. Filed Dec. 7, 1925. Serial No. 73,630. 1 Claim. (Cl. 244—2.)

In a flying toy, a handle member, a cord-driven spool rotatively mounted on said handle member, a flying member having a hub detachably interlocked with said spool and adapted to receive rotative motion therefrom, said flying member having an inclined lifting propelling blade at one end of said hub, said hub having on its other end



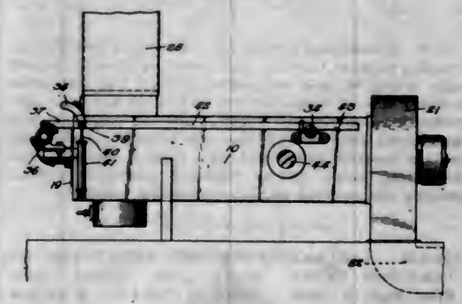
a pair of horizontal flat gliding wing members secured thereto, whereby when the spool is rotated, the flying member will rise vertically and laterally through the air.

1,629,115. PUMP FOR ELEVATING AND DISPENSING LIQUIDS. FREDERICK W. MITCHELL, Cleveland, Ohio. Filed May 9, 1925. Serial No. 29,069. 2 Claims. (Cl. 221—80.)



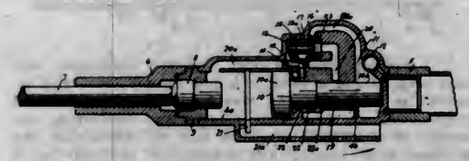
1. In combination, a receptacle having a discharge spout, a piston mounted on and surrounding the spout, a cylinder around the piston and movable relative thereto on interruption of the cylinder serving to charge the cylinder or to eject the charge therefrom through the spout.

1,629,116. HEATER. FRED P. MUEHLENBECK, Chicago, Ill., assignor to Eugene C. Gmelin, Chicago, Ill. Filed Feb. 11, 1925. Serial No. 8,475. 3 Claims. (Cl. 158—42.2.)



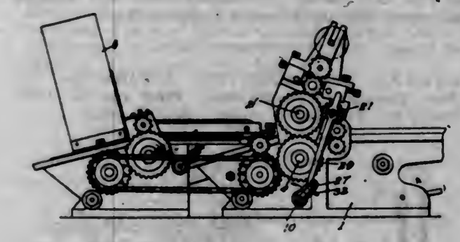
1. An apparatus of the character specified having an endless passage therein, a blower for circulation of air in said passage, a burner within the passage, means of fuel supply for the burner subject to the suction of the blower, a vane in said passage movable to and adapted to be held in open position by the action of the blower, a cut-off valve in said means adapted for manual opening independently of the vane and normally seeking a closed position, and a connecting means between said valve and vane to automatically engage the vane through opening movement of the valve to hold the valve against closing influence.

1,629,117. FLUID PRESSURE TOOL. ERNEST PENBERTHY, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 27, 1925. Serial No. 5,005. 11 Claims. (Cl. 121—18.)



1. In a fluid pressure tool, in combination, a cylinder having coaxial interconnected large and small bores, a piston formed with a head fitting the large bore and a stem fitting the small bore and arranged to be reciprocated in said cylinder, the small bore of said cylinder being counterbored to form a cushion chamber, and an enlargement on the stem of said piston for cooperation with said counterbore near the end of the piston stroke for cushioning the piston.

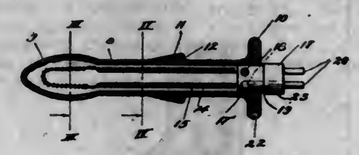
1,629,118. SHEET-FEEDING CONTROL MEANS. CLAUDE L. POST, Chicago, Ill. Filed Mar. 24, 1923. Serial No. 627,455. 10 Claims. (Cl. 101—233.)



1. In combination with a pair of rolls, means for separating said rolls, a cam rotatably actuated by one of said rolls and engageable to actuate said separating means whenever there is no material being fed through the rolls, means carried by said roll and controlled by the material being fed through the rolls for operating said rotatable cam, and a stationary cam engageable with said rotary cam for retrieving it from engagement with said first-mentioned separating means.

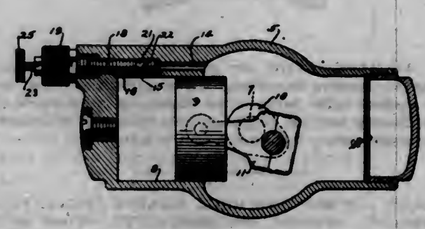
1,629,119. DILATOR. ALBERT F. REITZ, Kansas City, Mo. Filed Oct. 2, 1925. Serial No. 60,034. 4 Claims. (Cl. 219—21.)

4. A dilator comprising a hollow casing open at one end, a plug for the open end of said casing, a heating element connected to said plug, and a resilient U-shaped insulating element of slightly less length of said heating element and adapted to support the latter out of contact with the interior of the casing, said insulating element having its free ends in frictional engagement with the



interior of the casing adjacent to said plug, and means for securing said plug in slightly spaced relation to the ends of said insulating element for maintaining the branches of said heating element under slight tension.

1,629,120. DOORCHECK. PERCY H. RIPPLE, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 14, 1926. Serial No. 135,298. 6 Claims. (Cl. 16—51.)



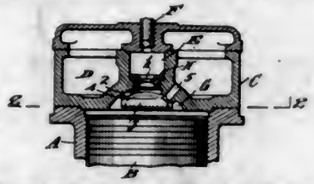
1. In a door check, a body including a cylinder, a piston therein, means for controlling the flow of fluid from one end of said cylinder to the other including a screw threaded member threaded onto said body and adapted to permit fluid to pass between the intermeshing threads on said screw threaded member and said body.

1,629,121. PUMP. PHILIP S. RUSSEL, St. Louis, and DAVID M. BOYD, Kirkwood, Mo., assignors, by mesne assignments, to Electrol, Inc. of Missouri, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 27, 1925. Serial No. 26,031. 9 Claims. (Cl. 103—116.)



1. In a device of the class described, the combination of a pump housing, a pair of intermeshing gears in said housing, a drive shaft, a coupling member arranged to seat in the housing by outward pressure, a separate coupling member between said first named coupling member operable to aline the first named coupling member with the driven gearing, and means for holding the first named coupling member to its seat in the pump housing.

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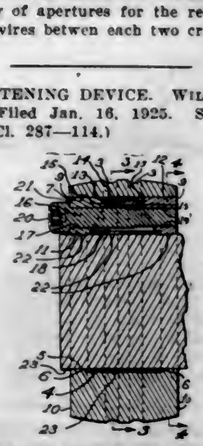
in cross section than the cylinder, a fuel spreader in the dome-shaped chamber above the piston and in line with the fuel fed thereto, and means for cooling the spreader.

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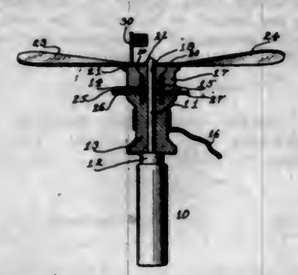
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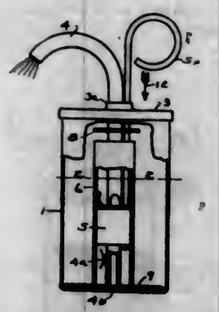
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In a flying toy, a handle member, a cord-driven spool rotatively mounted on said handle member, a flying member having a hub detachably interlocked with said spool and adapted to receive rotative motion therefrom, said flying member having an inclined lifting propelling blade at one end of said hub, said hub having on its other end



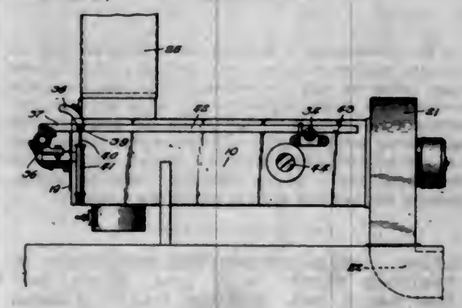
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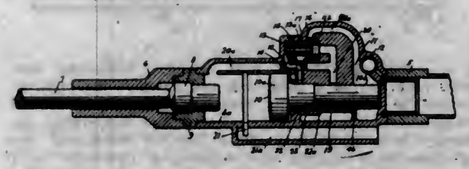
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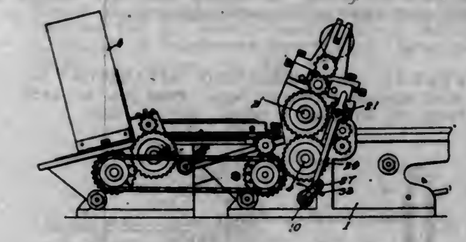
to be held in open position by the action of the blower, a cut-off valve in said means adapted for manual opening independently of the vane and normally seeking a closed position, and a connecting means between said valve and vane to automatically engage the vane through opening movement of the valve to hold the valve against closing influence.

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1. In a fluid pressure tool, in combination, a cylinder having coaxial interconnected large and small bores, a piston formed with a head fitting the large bore and a stem fitting the small bore and arranged to be reciprocated in said cylinder, the small bore of said cylinder being counterbored to form a cushion chamber, and an enlargement on the stem of said piston for cooperation with said counterbore near the end of the piston stroke for cushioning the piston.

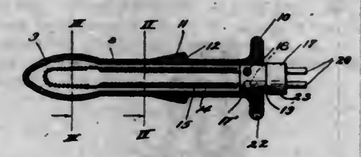
1,629,118. SHEET-FEEDING CONTROL MEANS. CLAUDE L. POST, Chicago, Ill. Filed Mar. 24, 1923. Serial No. 627,455. 10 Claims. (Cl. 101—233.)



1. In combination with a pair of rolls, means for separating said rolls, a cam rotatably actuated by one of said rolls and engageable to actuate said separating means whenever there is no material being fed through the rolls, means carried by said roll and controlled by the material being fed through the rolls for operating said rotatable cam, and a stationary cam engageable with said rotary cam for retrieving it from engagement with said first-mentioned separating means.

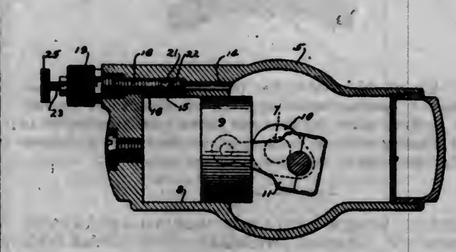
1,629,119. DILATOR. ALBERT F. REITZ, Kansas City, Mo. Filed Oct. 2, 1925. Serial No. 60,034. 4 Claims. (Cl. 219—21.)

4. A dilator comprising a hollow casing open at one end, a plug for the open end of said casing, a heating element connected to said plug, and a resilient U-shaped insulating element of slightly less length of said heating element and adapted to support the latter out of contact with the interior of the casing, said insulating element having its free ends in frictional engagement with the



interior of the casing adjacent to said plug, and means for securing said plug in slightly spaced relation to the ends of said insulating element for maintaining the branched of said heating element under slight tension.

1,629,120. DOORCHECK. PERCY H. RIPPLE, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 14, 1926. Serial No. 135,298. 6 Claims. (Cl. 16—51.)



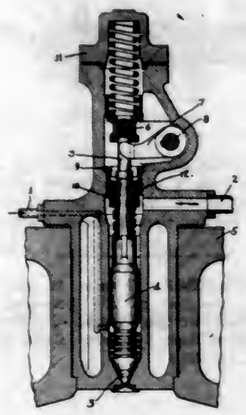
1. In a door check, a body including a cylinder, a piston therein, means for controlling the flow of fluid from one end of said cylinder to the other including a screw threaded member threaded onto said body and adapted to permit fluid to pass between the intermeshing threads on said screw threaded member and said body.

1,629,121. PUMP. PHILIP S. RUSSELL, St. Louis, and DAVID M. BOYD, Kirkwood, Mo., assignors, by mesne assignments, to Electrol, Inc. of Missouri, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 27, 1925. Serial No. 26,031. 9 Claims. (Cl. 103—116.)



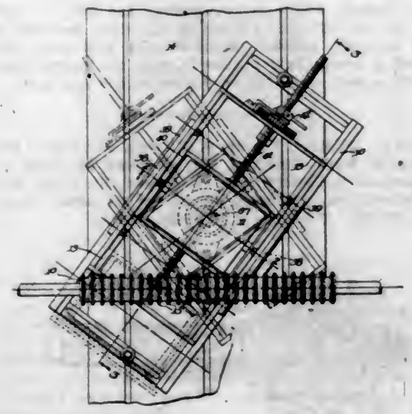
1. In a device of the class described, the combination of a pump housing, a pair of intermeshing gears in said housing, a drive shaft, a coupling member arranged to seat in the housing by outward pressure, a separate coupling member between said first named coupling member operable to aline the first named coupling member with the driven gearing, and means for holding the first named coupling member to its seat in the pump housing.

1,629,122. FUEL ENGINE VALVE. WALTER SCHENKER, Winterthur, Switzerland, assignor to Busch-Sulzerbros.-Diesel Engine Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 18, 1925, Serial No. 57,256, and in Switzerland Dec. 15, 1924. 4 Claims. (Cl. 123—33.)



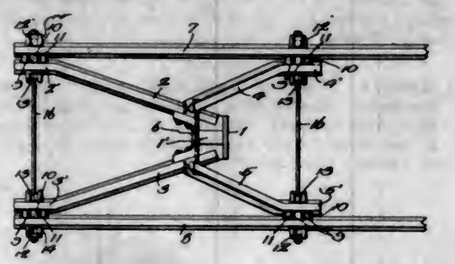
1. An injection valve for injection type engines comprising a housing containing the movable valve member and a check valve between the inner and outer parts of said housing adapted to prevent transmission of dangerous pressure from the former to the latter.

1,629,123. SCREW AND GEAR MAKING APPARATUS. HENRY J. SCHMICK, Williamsport, Pa. Filed Sept. 12, 1923. Serial No. 662,337. 12 Claims. (Cl. 90—4.)



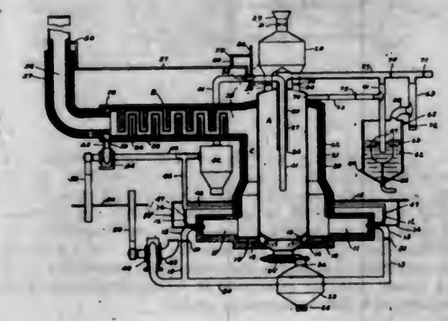
1. In the manufacture of articles of the character described, a cutter having a fixed direction of cut, means for rotatably and slidably mounting a work blank for engagement by said cutter at the cutting point, said means being pivotally supported whereby the direction of sliding motion may be adjusted to suit the work in hand, and means for causing said work blank to roll in the line of direction of its sliding movement, said rolling means acting in opposition to said sliding means to return the work to the cutting point.

1,629,124. RAILWAY BUMPING POST. AUGUST E. SCHULTS, Forest Park, Ill., assignor of one-half to Arthur A. Jahr, Forest Park, Ill. Filed Oct. 7, 1926. Serial No. 140,086. 18 Claims. (Cl. 104—254.)



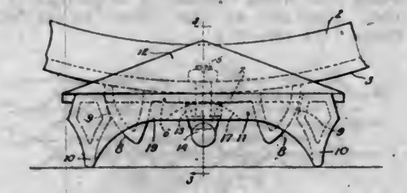
1. A railway bumping post including horizontal base rails each having a head, web and flange; four rails between the base rails and also having heads, webs and flanges, two of these rails sloping and converging upwardly in a forward direction and the remaining two of these rails sloping and converging upwardly in a rearward direction; a bumping block carried by the upper ends of the four sloping rails, the lower ends of these sloping rails being horizontally continued along the aforesaid base rails, one of these base rails having the lower end of one of the forwardly sloping rails and the lower end of one of the rearwardly sloping rails in proximity thereto, the lower ends of the remaining sloping rails being in proximity to the other base rail; and four clamping structures, the lower end of each sloping rail being supplied with a clamping structure for assembling it with the adjacent base rail, each clamping structure comprising a pair of jaws engaging the outer sides of the webs of the rails to which it pertains, a yoke connecting these jaws and embracing these rails, two clamping blocks disposed between these rails and respectively engaging the inner sides of their webs and having their opposed faces converging, a wedging block interposed between said clamping blocks, and a clamping bolt structure assembling said wedging block and yoke and forcing the wedging block into wedging engagement with the aforesaid clamping blocks.

1,629,125. GAS-GENERATING APPARATUS. LEO PAUL SEBILLE, Cleveland, Ohio. Filed Jan. 17, 1923. Serial No. 613,148. 1 Claim. (Cl. 48—73.)



In gas generating apparatus, the combination of a substantially cylindrical gas generating chamber having a vertical axis, means for externally heating said chamber, means for supplying fuel to the upper part of said chamber, means for withdrawing gases from the upper part of said chamber, a plurality of concentric pipes extending longitudinally through the upper part of said chamber and through which gases may be discharged, means for superheating the gases discharged through one of said pipes, and means for returning such superheated gases to the lower part of the chamber.

1,629,126. TRACTION WHEEL. LOUIS E. SLAUSON, Moline, Ill., assignor to Grid-Iron Grip Company, Rock Island, Ill. Filed Nov. 15, 1924. Serial No. 750,022. 3 Claims. (Cl. 305—13.)

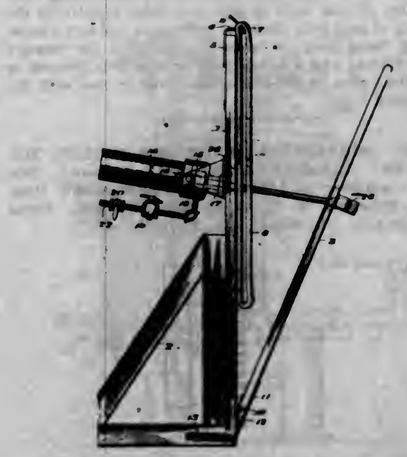


3. The combination of a rim, a driving tooth, a traction shoe cooperating with said driving tooth and having a central aperture, within which said tooth is received, a pickup bar, a common means for securing said pick-up bar and said tooth to said rim, the ends of said pick-up bar extending on the outer side of said shoe, and the outer side of said shoe being provided with arcuate recesses to receive the ends of said bar.

1,629,127. METHOD OF WELDING HOLLOW SHAFTS. CLARENCE W. SPICER, Plainfield, N. J., assignor to Spicer Manufacturing Corporation, a Corporation of Virginia. Filed July 20, 1926. Serial No. 123,805. 2 Claims. (Cl. 219—10.)

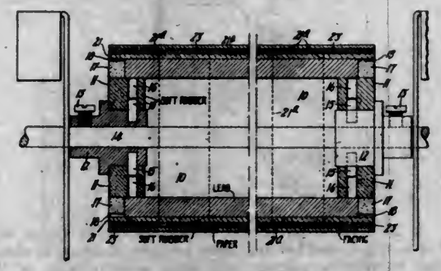
1. A method of butt welding ends on hollow shafts including the step of inserting in the tube before the final weld a predetermined quantity of viscid fluid.

1,629,128. APPARATUS FOR DEFLATING TUBES. HORACE D. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 7, 1922. Serial No. 566,443. 11 Claims. (Cl. 154—9.)



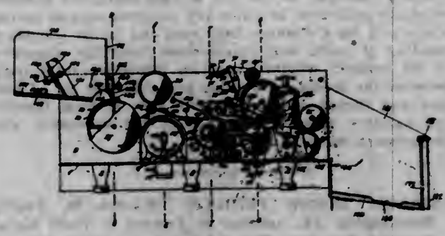
1. Apparatus for exhausting air from collapsible tubes comprising, cooperating presser members operable to receive and compress the tubes therebetween, means for suspending the tubes between said members, and means for operating said members.

1,629,129. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 3, 1924. Serial No. 710,768. 16 Claims. (Cl. 197—147.)



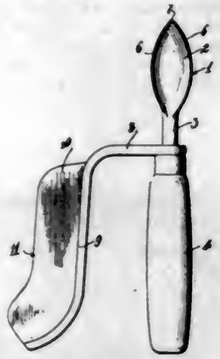
1. A cylindrical typewriter platen comprising a weighted self-sustaining tubular soft metal body, means for cushioning said body directly upon the platen axle, and a flexible durable covering for said body, said body being nearly the full diameter of the finished platen.

1,629,130. ROTARY PRINTING DEVICE. FREDERICK W. STORCK, Somerville, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a Corporation of Massachusetts. Filed May 31, 1923. Serial No. 642,581. 9 Claims. (Cl. 101—241.)



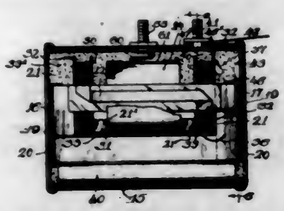
1. In a device of the character specified the combination of means for feeding an envelope, a movable stop member arranged to engage the forward edge of said envelope and to arrest the movement thereof, means whereby said stop member may be moved out of operative engagement with said envelope thereby permitting said envelope to pass by said stop member and retain said stop member in a fixed position during its passage, a counter and means for operating said counter, said means being arranged to operate only upon contact with said stop member when the position of said stop member is influenced by a passing envelope.

1,629,131. COMBINATION PEACH PITTER. ALBERT V. SULLIVAN, Alameda, Calif., assignor to California Packing Corporation, San Francisco, Calif., a Corporation of California. Filed Aug. 5, 1926. Serial No. 127,212. 3 Claims. (Cl. 146—31.)



1. In a peach pitter, the combination of a spoon having a shank and halving blade secured to the said shank and having its cutting edge lying substantially in the plane of the spoon.

1,629,132. ELECTRIC JUMP-SPARK COIL. CHESTER H. THORDARSON, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 12,046. 5 Claims. (Cl. 175—357.)



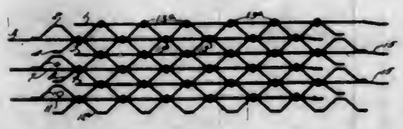
1. In an electric jump spark coil, a core, a secondary winding centrally on one leg of said core, two primary windings connected in series and mounted on and spaced along said leg a distance from each end of the secondary winding to avoid heat transference from the secondary to the primary windings, and an insulating sheet lying between the secondary winding and the other leg of said core and turned outwardly at its ends to form insulating barriers between the ends of the secondary and the primary windings.

1,629,133. MOTOR VEHICLE. WALTER M. TROUT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 28, 1923. Serial No. 683,147. 9 Claims. (Cl. 296—28.)



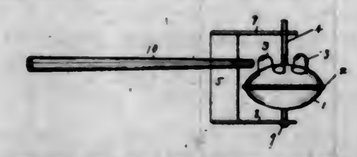
1. In an automobile body, the combination of a pressed metal body sill having a horizontal body portion, adapted to rest on the upper surface of a chassis frame side member, a vertical shoulder extending downwardly from the outer edge of said horizontal body portion, and adapted to engage the outer side of said frame side member, and a portion extending horizontally from the lower edge of said vertical shoulder, and a plurality of sheet metal body panels having their lower edges rigidly secured to said last-mentioned horizontal portion of the sill.

1,629,134. CONTINUOUS-GRATING STRUCTURE. WILLIAM A. VAN HOFFEN, Brooklyn, N. Y., assignor to Irving Iron Works Company, a Corporation of New York. Filed July 29, 1925. Serial No. 46,724. 15 Claims. (Cl. 189—82.)



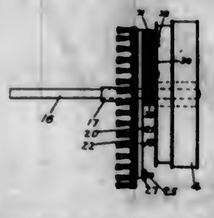
1. As a new article of manufacture a grating unit comprising a series of straight bars and a series of bent strips fastened together, the members of each series being in staggered relation to each other lengthwise of the unit.

1,629,135. SPINNING TOP. WILLIAM A. VINSON, Baltimore, Md. Filed May 9, 1921, Serial No. 467,874. Renewed Oct. 12, 1926. 1 Claim. (Cl. 46—32.)



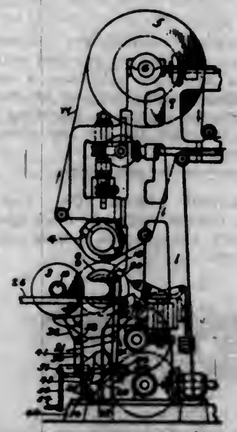
The combination of a bracket comprising a vertical piece having two arms projecting at right angles thereto, one of which is provided with an aperture and the other with a depression near the free ends thereof, a spinning top comprising a body having a stem projecting vertically through the center thereof and having one end projecting through said aperture and the other end resting in said depression, and a number of blades on the upper surface of the said body and arranged symmetrically around the said stem at a radial distance less than the radius of said body to give a greater velocity to the periphery of said body than the velocity of the said blades, said top being adapted to be thrown from the bracket while revolving and a hollow tube permanently secured to the vertical piece of the said bracket and in line with the said blades.

1,629,136. MOISTENING DEVICE FOR MAILING MACHINES. LAWRENCE J. ZAHN, Long Island City, N. Y., assignor to International Postal Supply Company, Brooklyn, N. Y. Filed Aug. 20, 1926. Serial No. 130,418. 11 Claims. (Cl. 91—37.)



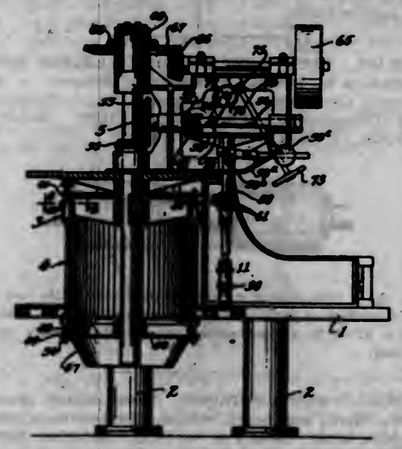
1. In a moistening device for the purpose described, a support, rotary operating members mounted at each end of the support, an endless chain carried by said operating members, a bearing carried by said support, a drive shaft passing through said bearing, driving means connected between said shaft and at least one of said operating members and moistening brushes carried by said endless chain and adapted to be moved through an associated receptacle containing a liquid.

1,629,137. INTAGLIO PRINTING MACHINE. ADOLPH M. ZUCKERMAN, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 4, 1925. Serial No. 48,035. 3 Claims. (Cl. 101—157.)



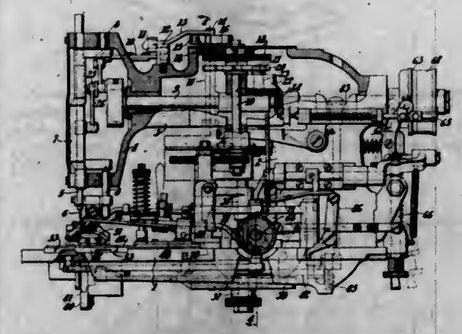
1. In a printing machine, the combination of an engraved form cylinder, cooperating impression means, a pivoted fountain in which the cylinder runs, open bearings for the cylinder, means for rotating the bearings to permit the cylinder to be moved sidewise therefrom through the openings, and means for swinging the fountain away from the cylinder to permit such sidewise removal of the cylinder.

1,629,138. SHREDDING MACHINE. ARTHUR R. ADAMSON, Los Angeles, Calif. Filed Mar. 12, 1925. Serial No. 15,079. 7 Claims. (Cl. 146—93.)



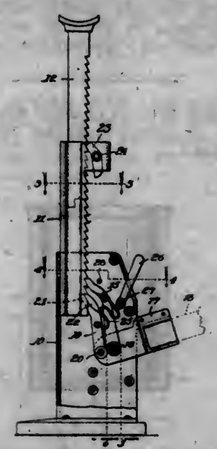
1. In a shredding machine, the combination of a rotary drum, a plurality of guideways disposed substantially radially from the axis of the drum, a plurality of shredding bars extending longitudinally of the drum and carrying blades, feeding mechanism associated with the guideways for feeding the material to be shredded against the side of the drum, said shredding bars being disposed apart to permit the shredded material to pass into the interior of the drum, a hopper below the drum for receiving the shredded material, and means above the drum for rotating the drum.

1,629,139. SEWING MACHINES. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 26, 1925. Serial No. 58,778. 4 Claims. (Cl. 112—73.)



1. In a group-stitching machine, a reciprocating needle, a needle-gate, a crank-shaft, a crank carried by said shaft, a pitman connection between said crank and gate for vibrating the latter, a sewing shaft connected to reciprocate said needle, a work-holder, a feed-wheel connected to impart feeding movement to the work-holder, and means including a pin-and-star-wheel drive actuated by the sewing shaft for imparting step-by-step rotary motion to the feed-wheel, said crank being connected to receive semi-rotational impulses from said pin-and-star-wheel drive.

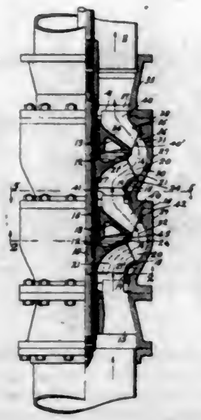
1,629,140. DOUBLE-LIFT JACK. JOHN W. BATE, Racine, Wis. Filed Apr. 4, 1924. Serial No. 704,175. 4 Claims. (Cl. 254—111.)



1. A lifting jack comprising a base, two telescoping lifting members slidable in the base, the outer of said members being U-shaped, the inner member substantially

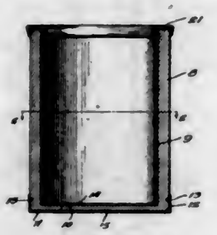
filling the U-shaped, groove therein, registering ratchet teeth on the front of said members, a ratchet pawl, a retaining pawl, operating on said teeth, the teeth of the inner member serving to hold the ratchet pawl out of engagement with the teeth of the outer member until said inner member is raised a predetermined amount.

1,629,141. HYDRAULIC PUMP. HARRY F. BENSON, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed May 18, 1925. Serial No. 30,899. 13 Claims. (Cl. 103—88.)



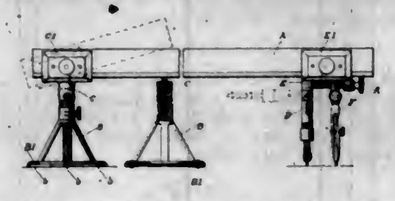
1. A hydraulic pump, in combination, a casing, an impeller therein forming and delivering the flow in a direction of outward radial and axial components, an annular chamber extending from the impeller outlet and providing a vane-free passage for said flow, said chamber having a boundary water-contact surface impressing upon the flow advancing therealong a gradually increasing inward radial component, and a diffuser on the discharge side of said passage in axial alinement therewith, having vanes with their inlet ends lying substantially in the line of flow discharging from said chamber and a surface contour gradually impressing on the flow advancing therealong toward the outlet end a gradually increasing axial component.

1,629,142. DICE BOX. LAWRENCE BONELL, Chicago, Ill. Filed June 12, 1924. Serial No. 719,487. 3 Claims. (Cl. 273—145.)



1. A dice box, provided at its open end with a surrounding inwardly projecting resilient ring, and means adapted for utilizing the resiliency of the ring to secure and lock it in its operative position to the body of the box.

1,629,143. DRAFTING COMPASS. PAUL J. BUNGART, Oceanside, N. Y. Filed Nov. 18, 1922. Serial No. 601,942. 8 Claims. (Cl. 33—27.)



1. A drafting compass comprising a centering support having a base of substantial area provided with a central window, anchoring means for said base, a radial beam, and means providing a swivelling and hinging joint between the beam and the support in a position above said window, whereby the view through the window is substantially unobstructed.

1,629,144. SPRAYING APPARATUS. CHARLES LAURENCE BUDDICK, London, England. Filed Sept. 13, 1922, Serial No. 588,072, and in Great Britain Oct. 15, 1921. 1 Claim. (Cl. 299—141.)



In an atomizing nozzle, a body having a central passage therethrough, a second passage through said body, means for supplying a liquid to said central passage, means for feeding air under pressure to said second passage, a liquid jet member communicating with said central passage and having a tapering portion ending in a circular opening, a hollow cap fitting on said body and communicating with said second air passage and having an opening concentric with said liquid jet member to form an annular orifice, a cylindrical air jet member within said liquid jet member and coaxial therewith and slightly spaced therefrom to form a relatively narrow annular orifice for said liquid, and means connecting said cylindrical air jet member with the hollow portion of said cap to supply said air to both said air jets under substantially the same pressure.

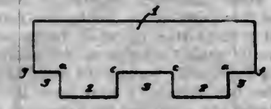
1,629,145. TREATMENT OF CORK TEXTILE ROLLS. HERMAN F. BUSCH, Millvale, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1925. Serial No. 67,122. 5 Claims. (Cl. 19—143.)



1. As a new article of manufacture, a textile roll having a cork working surface impregnated with a substance which gives it an added slickness, substantially as described.

1,629,146. STRIP SHINGLE. LEON BUAHA, Minneapolis, Minn., assignor to William Edwin Nelson, Minneapolis, Minn. Filed Feb. 11, 1924. Serial No. 692,156. 2 Claims. (Cl. 108—8.)

1. A strip shingle comprising a body portion having a plurality of separated butts projecting from one edge thereof with sides perpendicular thereto throughout to their ends, the size and contour of each butt corresponding to the size and contour of the separating spaces between two butts, the distance between the outer edge of each butt and the end of the shingle being equal to one-



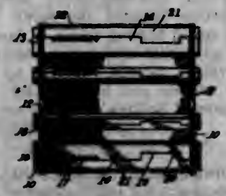
half the distance between the inner edges of the butts and substantially equal to the length of the butt, and the length of the butts being approximately one-half the width of the body of the shingle.

1,629,147. BLOOMERS AND METHOD OF MAKING THE SAME. FRANKLIN CHATFIELD, Minneapolis, Minn., assignor to The Munsingwear Corporation, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 8, 1924. Serial No. 742,427. 6 Claims. (Cl. 2—225.)



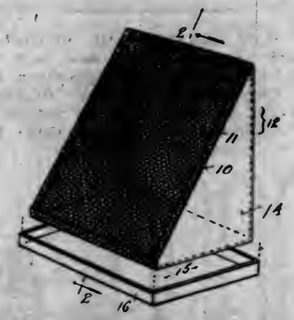
1. A woman's undergarment comprising leg sections, a substantially diamond-shaped gore inserted into the crotch of the garment between said leg sections and having its edges united to the longitudinal edges of the fabric composing the leg sections and extending through the crotch up into the front and back seams of the garment, and leg gores formed separately from said diamond-shaped gore and tapered in form having their wider ends stitched to the opposite converging edges of one end of said crotch gore, and extending down the leg seams from said crotch gore and cooperating therewith to provide necessary crotch fullness.

1,629,148. INDUCTION-COIL CORE. GEORGE S. CHAUNCEY, South Orange, N. J. Filed Dec. 20, 1924. Serial No. 757,228. 4 Claims. (Cl. 175—359.)



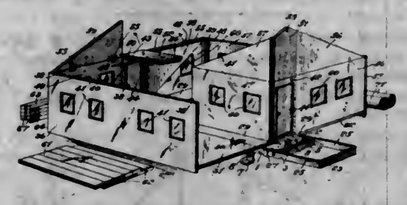
1. A coil core comprising a pair of duplicate heads having equally spaced open radial slots in their peripheries, a series of bars fitting the slots and having notches engaging the bottoms thereof, means in said bars to receive the windings of a coil, and a second series of bars disposed in the slots over the first named bars, said second bars receiving the windings of another coil, all of said bars extending uniformly outward beyond said heads.

1,629,149. ASH SIFTER. MORRIS CITRIN, Brooklyn, N. Y. Filed Jan. 2, 1926. Serial No. 78,749. 1 Claim. (Cl. 209—352.)



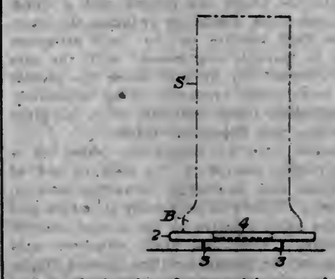
A fireproof ash sifter comprising a unitary supporting member, a screening unit consisting of a frame and a screen thereon, said frame removably held in said supporting member, a tray engaging the open end of the supporting member, and a gate in said tray.

1,629,150. KNOCKDOWN OR FOLDABLE BUILDING. THOMAS C. COLT, Orange, N. J. Filed Oct. 2, 1924. Serial No. 741,197. 3 Claims. (Cl. 20—2.)



1. A knock-down building comprising, a foldable foundation frame, a collapsible superstructure comprising a series of floor, side wall and end wall sections hingedly interconnected together, said superstructure being adapted for separable supported connection with said foundation frame; a series of collapsible rafter elements having means to separately connect their free ends with the erected side wall sections of said superstructure; a longitudinal ridge rod detachably engageable with the peak ends of said rafter elements; and a detachable roofing means adapted to be supported by said rafter elements and said ridge rod.

1,629,151. DRYING TILE. CHARLES B. CUSHWA, Youngstown, Ohio, assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio, a Corporation of Ohio. Filed Feb. 10, 1926. Serial No. 87,271. 7 Claims. (Cl. 34—17.)



1. A drying board, comprising a substantially circular supporting member having a central opening therethrough and providing a substantially continuous ring, and a stif-

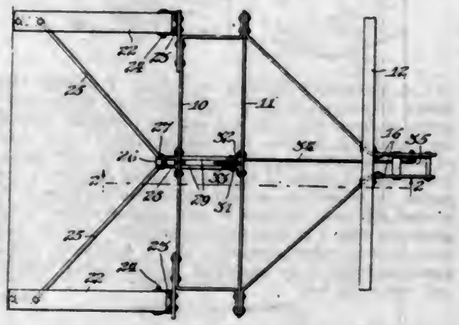
fening flange on the supporting member, the flange being integral with the supporting member and extending all around the same in a substantially uninterrupted manner.

1,629,152. SLOT CLEANER FOR MOTION-PICTURE MACHINES. LEE DE FOREST, New York, N. Y., assignor to De Forest Phonofilm Corporation, New York, N. Y., a Corporation of Delaware. Original application filed Apr. 28, 1923, Serial No. 635,331. Divided and this application filed Dec. 20, 1924. Serial No. 757,115. 3 Claims. (Cl. 179—100.1.)



1. Means for maintaining the light aperture of motion picture machines for recording and reproducing sound unobstructed by dust, dirt, or the like, which consists of two members which form an aperture one member being offset from the other.

1,629,153. IMPLEMENT HITCH. SAMUEL K. DENNIS, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 16, 1924. Serial No. 720,153. 8 Claims. (Cl. 97—236.)

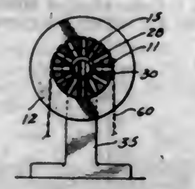


1. The combination with an implement frame and a draft structure pivoted together at the forward end of the implement frame for angular adjustment vertically, of means for effecting said adjustment comprising a depending lever pivoted on the frame and formed with a transversely extending cam track, means for swinging the lever, and an extension fixed relative to the draft structure having a portion in movable engagement with the cam track at a point substantially directly below the pivotal support of the lever, said extension being separately pivoted to the implement frame coaxially with the pivot of the draft structure and implement frame.

5. The combination with an implement frame, of a draft structure pivotally related to the forward end of the implement frame and extending forwardly thereof, a bracing device fixed relative to said draft structure and having an extension offset relative to the pivotal connection of the implement frame and draft structure, said bracing device also having pivotal relation to said implement frame at a point in horizontal alinement with the axis of the pivotal connection between the draft structure and implement frame, and a depending cam lever mounted on the implement frame rearwardly of the draft structure and connected to the bracing device for vertically adjusting the implement frame.

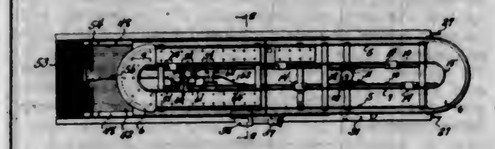
8. A device of the class described comprising, in combination, a wheel supported implement frame, a draft frame located forwardly of the implement frame and pivotally related to the latter, the draft frame having an extension vertically spaced relative to the implement frame and extending rearwardly beyond the point of pivotal connection of the two frames, a cam lever pivoted on the implement frame and engaging the extension of the draft frame at a position within substantially the same vertical confines as those occupied by the pivot of the cam lever, and means for swinging the lever to move the extension toward or away from the implement frame.

1,629,154. PNEUMATIC PULLEY FOR MOTION-PICTURE FILMS. VINCENT C. DE YBARRONDO, Los Angeles, Calif. Filed June 30, 1926. Serial No. 119,525. 7 Claims. (Cl. 271—2.3.)



1. In combination: a pulley wheel having a peripheral surface in which openings are formed; means for forming a vacuum in one of said openings when its mouth is covered; and means for connecting an uncovered opening with said covered opening for releasing said vacuum before said mouth is uncovered.

1,629,155. BOTTLE-WASHING MACHINE. JOHN R. DOSTAL, Milwaukee, Wis., assignor to Dostal & Lowey Hydro Company, Inc., Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Oct. 13, 1923, Serial No. 668,352. Divided and this application filed Nov. 24, 1924. Serial No. 751,938. 5 Claims.. (Cl. 141—7.)



1. In a bottle washing machine, the combination of a reservoir for a cleansing liquid, liquid spraying means, means for drawing said liquid from said reservoir and supplying it to said spraying means, means for passing label bearing bottles through the spray, a screen over which the used liquid bearing labels is passed, a carriage adapted to travel across said screen, means for reciprocating said carriage, a wiper carried by said carriage, and means for raising and lowering said wiper on the inward and outward motion, respectively, of said carriage.

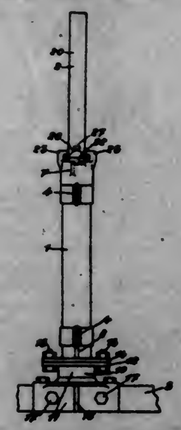
1,629,156. NURSING-BOTTLE HOLDER. LAWRENCE P. FLESHNER, Kansas City, Mo., assignor of one-half to William L. Hotsenpiller, of Kansas City, Mo. Filed May 6, 1926. Serial No. 107,117. 7 Claims. (Cl. 248—65.)

1. In a nursing bottle holder, supporting means including two members pivoted together on a vertical axis and adjustable toward and from each other, two devices having means adapted to engage a bottle respectively adjacent to its ends for supporting the bottle, means supporting one of said devices supported by said members at the axis thereof, a flexible member supported by said members at points spaced from said axis, and fastening



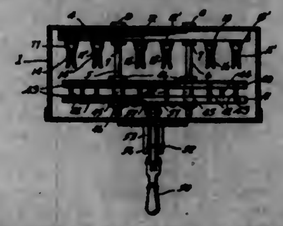
means supporting the other of said devices and supported by and having traveling engagement with said flexible member.

1,629,157. COACH-WORK COLUMN OF VEHICLES. GEORGES GANGLOFF, Geneva, Switzerland. Filed Nov. 19, 1925. Serial No. 70,074, and in Switzerland Nov. 27, 1924. 3 Claims. (Cl. 296—45.)



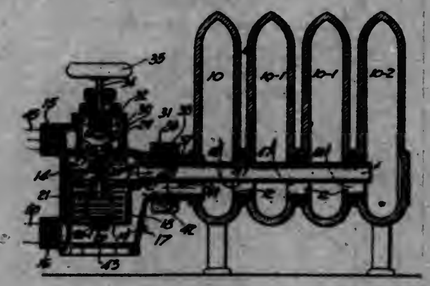
1. In a vehicle coach work column the combination of two portions, the second of which is separable from the first and is adapted to be removably secured thereto, attachment means for securing both portions to one another, whereby the said second portion can be placed in position either as a prolongation of the former and there secured, or can be housed within the former and there also secured, said attachment means comprising a foot at one end of the second portion, lugs at the upper end of the first portion between which the foot is adapted to pass in either of its two positions, and a clamping member by means of which the foot may be secured.

1,629,158. SAFETY SWITCH. ANDREW E. GRISWOLD, Seattle, Wash. Filed Aug. 25, 1923. Serial No. 659,280. 8 Claims. (Cl. 200—163.)



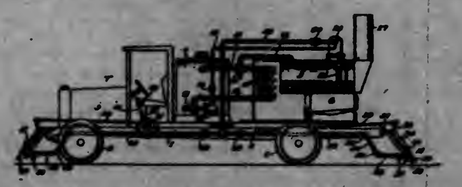
1. In a switch of the character described, the combination with a switch control member and fixed contacts of guide members, a carriage adjustable on the guide members by the control means and comprising spaced apart bars, switch blades disposed between the bars and adapted to be moved with the carriage from and against the contacts, and means connecting the bars and clamping them against the blades, holding the latter secure within the carriage.

1,629,159. AUTOMATICALLY-GOVERNED CONDENSING DEVICE. EDGAR R. HAWLEY and CARL W. SCOTT, Salt Lake City, Utah. Filed Feb. 1, 1926. Serial No. 85,334. 9 Claims. (Cl. 236—42.)



1. In an automatically governed condensing device, a chambered condensing unit, an inlet for fluid thereto, a closure for said inlet, thermostatic means for operating said closure, a conductor for fluid extending from said inlet to a part of the condensing unit remote from said inlet, said conductor being located within the condensing unit, an outlet from said condensing unit, and a conductor for fluid extending from said outlet to said thermostatic means.

1,629,160. SNOW-MELTING APPARATUS. VERNARD IRVING HERRMANCE, Montrose, N. Y. Filed Jan. 15, 1926. Serial No. 81,507. 1 Claim. (Cl. 299—81.)



In a snow burner including a truck and a boiler, spray pipes at each end of the truck and connected with the boiler, said pipes extending transversely of the truck, a deflector above each spray pipe for deflecting the steam downward, said deflectors supporting the spray pipes, pairs of parallel links connecting each deflector to the truck, arms connected with corresponding links of the pairs, connections between the arms at each end of the truck, a lever, and connections between the arms at each end of the truck and the lever for enabling the lever to simultaneously raise and lower the deflectors.

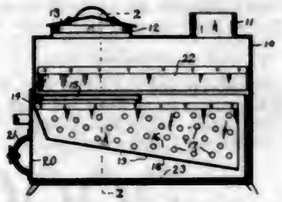
1,629,161. PROCESS FOR STABILIZING COLLOIDAL SYSTEMS. WILLY O. HERRMANN and WOLFRAM HAENNEL, Munich, Germany, assignors to Consortium Fuer Elektrochemische Industrie, Munich, Germany. Filed July 1, 1926, Serial No. 119,983, and in Germany July 17, 1925. 8 Claims. (Cl. 252—6.)

1. A method of stabilizing a colloidal system which comprises mixing polymerized vinyl alcohol with said system.

1,629,162. TRASH BURNER. ROGER P. HOLMAN, Omaha, Nebr. Filed Aug. 16, 1926. Serial No. 129,896. 4 Claims. (Cl. 126—225.)

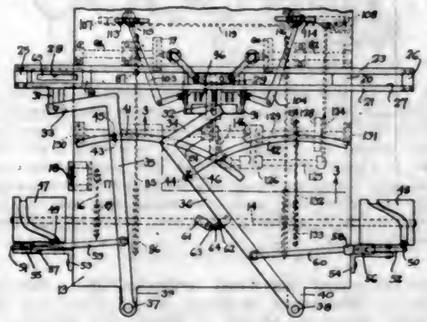
1. A refuse-burner comprising a casing having its top provided with an intake passage for refuse and a smoke

exit passage, and provided at its front with an opening, a drawer having an air draft aperture and provided with a compartment for receiving refuse, and having per-



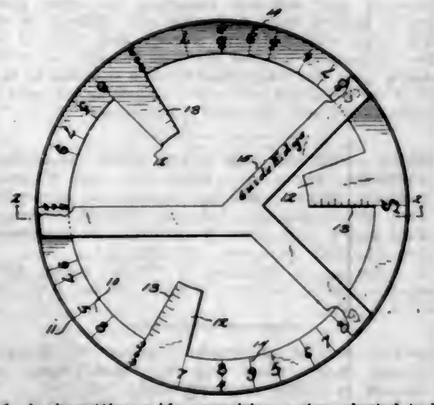
forated walls to permit a communication of air with the aperture of said drawer and with the smoke exitway, and a draft damper for the air draft aperture of said drawer.

1,629,163. CIGAR MACHINE. THOMAS A. HORTON, Kingston, N. Y. Filed Aug. 28, 1925. Serial No. 53,031. 33 Claims. (Cl. 131—5.)



33. In a cigar machine, a run-way, two filler-load-forming molds travelling in said run-way from loading to discharging positions, a vertically movable discharge plunger, means for lowering said plunger to discharge the load from said mold when either of said molds is brought to discharging position, a series of horizontally slidable fingers coacting with said plunger when lowered to hold said discharged load in position beneath said mold, and a horizontally reciprocating pusher for carrying said load from beneath said fingers when extended after the plunger is raised.

1,629,164. PIE-CUTTING GUIDE. MILTON C. HUGHES, Roy, Wash. Filed June 24, 1926. Serial No. 118,340. 3 Claims. (Cl. 33—174.)

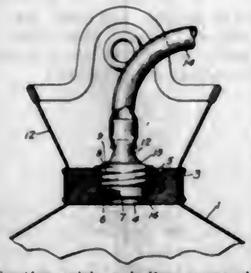


1. A pie cutting guide comprising a ring adapted to be centered upon a pie and having spaced indications on its margin of the number of cuts to be made from the indications to the center of the pie in order to cut any desired number of pieces or segments, said ring having inwardly projecting tongues adapted to rest upon the upper surface of a pie and spaced equidistantly from each other.

1,629,165. METHOD OF AND COMPOSITION FOR TRANSFERRING DESIGNS, PICTURES, AND THE LIKE. HELEN JOHNSTON HURT, New York, N. Y. Filed Sept. 11, 1926. Serial No. 134,947. 10 Claims. (Cl. 41—33.)

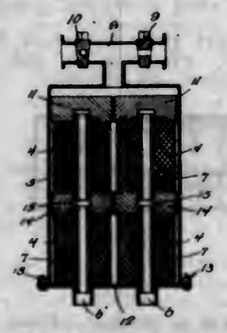
9. A transfer solution comprising a vegetable oil, an alkali in chemical union and diluted to a syrupy consistency.

1,629,166. SOCKET AND PLUG CONNECTION. FRANK S. HYATT, Brooklyn, N. Y. Filed Apr. 23, 1926. Serial No. 104,009. 1 Claim. (Cl. 128—247.)



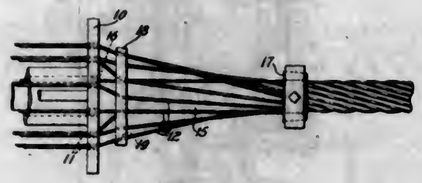
The combination with a hollow screw-threaded socket member provided with a base constituting an annular flange which forms an opening, of a hollow screw-threaded plug member having an upper wall constituting an inwardly flaring annular flange providing the wall of an opening, a hollow nipple received within the opening in said upper wall and adapted to removably receive a tube thereon and a compressible annular hollow gasket frictionally held within the plug member with the upper edge thereof engaging the upper wall of said plug member and the lower edge thereof which normally extends beyond the lower end of said plug member adapted to engage the base of said socket member and the upper and lower edges of said gasket being compressed whereby portions thereof will extend inwardly within the opening in the base of said socket member and the opening in said plug member to produce a water-tight connection when said plug member is screwed tightly within said socket member.

1,629,167. MEANS FOR DRYING TEXTILE MATERIALS. HERMANN KRANTZ, Aachen, Germany. Filed Mar. 24, 1922, Serial No. 546,426, and in Germany Jan. 15, 1917. 3 Claims. (Cl. 34—30.)



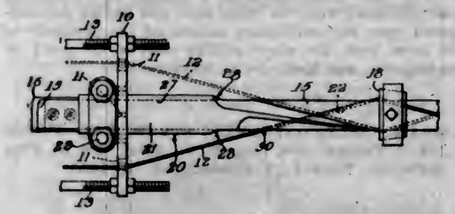
1. An apparatus for drying textile and the like materials, comprising a closable vessel for receiving the material to be dried, said vessel having at one end an opening communicating with the outer atmosphere and being provided at its other end with a controllable valve for connecting the vessel to a source of steam and with another controllable valve for connecting the vessel to a device for passing air through the vessel and the material contained therein, said material having a perforated tubular member extending through the same and being in communication with the opening communicating the vessel with the outer atmosphere, and a packing disc placed on the material which disc is provided with a recess for the reception of the end of said perforated tubular member.

1,629,168. METHOD OF AND APPARATUS FOR SERVING MATERIAL UPON A CORE. HENRY ROGERS MASSINGHAM, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 12, 1926. Serial No. 80,755. 9 Claims. (Cl. 117—16.)



1. The method of serving a plurality of strands to a non-circular shaped core, which consists in distributing the strands from a plurality of points around the core, maintaining the length of each individual strand between its point of distribution and its point of application to the core the same irrespective of its point of application to the core and wrapping it therearound.

1,629,169. METHOD OF AND APPARATUS FOR SERVING MATERIAL TO A CORE. HENRY ROGERS MASSINGHAM, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 19, 1926. Serial No. 142,624. 9 Claims. (Cl. 117—34.)



1. The method of serving a strand to a non-circular shaped core, which consists in preforming the strand into its ultimate formation upon the core, and then assembling the thus formed strand upon the core.

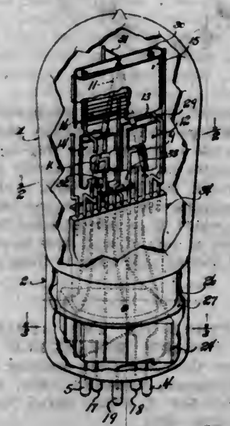
1,629,170. APPARATUS FOR FORMING SLEEVES AND ASSOCIATING THEM WITH ARTICLES. GILBERT L. MATTHIAS and WALDEMAR D. KMENTT, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1924. Serial No. 693,280. 28 Claims. (Cl. 29—88.2.)

1. Apparatus for forming sleeves and applying them to articles, said apparatus comprising means for feeding a length of tubing to a severing and assembling position, means for there severing successive sleeve lengths therefrom, and means for inserting said articles into said



sleeve lengths successively while the latter are substantially in the position in which they are severed from said long length of tubing.

1,629,171. ELECTRON-DISCHARGE DEVICE. ARISTOTE MAVROGENIS, Milwaukee, Wis. Filed Sept. 16, 1926. Serial No. 135,817. 5 Claims. (Cl. 250—27.5.)

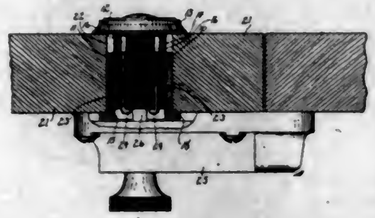


1. A unitary electron discharge device comprising an evacuated vessel having a full wave rectifier provided with a pair of plates and a cathode, a current limiting device provided with a plate and a cathode, the plate of the current limiting device being connected to the cathode of the rectifier, and an audion having a plate and a cathode and an interposed grid, the plate of the audion being connected to the cathode of the current limiting device, a heater for said cathodes, and a connection leading to the center point of the heater.

1,629,172. CYLINDER LOCK. JAMES J. MURPHY, Terryville, Conn., assignor to Eagle Lock Co., Terryville, Conn., a Corporation. Filed Jan. 19, 1926. Serial No. 82,238. 2 Claims. (Cl. 70—46.)

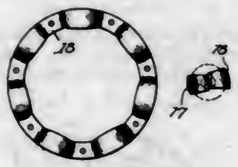
1. In a cylinder-lock, the combination with an externally-threaded cylinder-unit for insertion into a door from the outside thereof, of an internally-threaded housing-unit

for insertion into the door from the inside thereof, to which it is secured, whereby the two units are extensibly connected and installed in the door against lon-



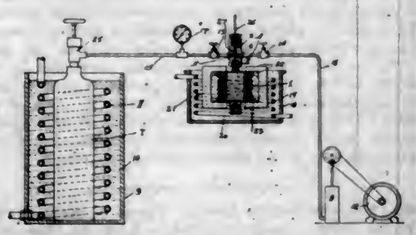
gitudinal movement in either direction, and means concurrently engaging with the said units for preventing their relative rotation in the door, the said means being insertable from the rear end of the locking-unit.

1,629,173. METHOD OF MAKING BALL RETAINERS. HARRY N. PARSONS, Chicago, Ill., assignor to Marlin-Rockwell Corporation, a Corporation of New York. Filed Mar. 5, 1926. Serial No. 92,465. 2 Claims. (Cl. 29—148.4.)



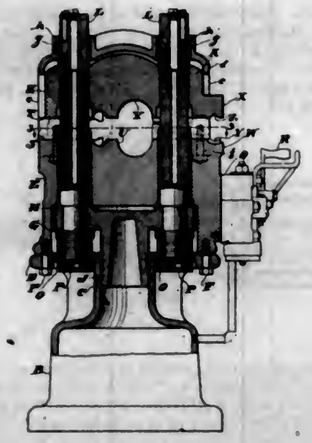
1. The method of making ball retainers consisting of forming two flat-rings with substantially annular portions concentric with the center of said ring and with wider intermediate portions curved both inwardly and outwardly from said concentric portions, pressing said intermediate portions into hemispherical form on one side of the concentric portions which lie in substantially the same plane, trimming an edge of each of said rings to substantially a true circle, and uniting said rings to form a retainer for balls.

1,629,174. METHOD OF AND APPARATUS FOR CHARGING HOLLOW EXPANSIBLE ELEMENTS. HAL T. PATTON, Cleveland, Ohio, assignor to The Bishop & Babcock Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 7, 1922. Serial No. 599,614. 5 Claims. (Cl. 226—20.)



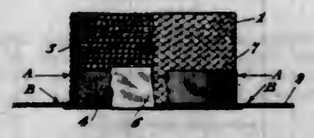
1. In a method of charging a hollow expansible element with a volatile liquid adapted to volatilize at a given temperature, the steps which consist in maintaining said element in its normal condition of extension and at a temperature slightly above the condensation temperature at the existing pressure of the liquid to be charged, exhausting the contents of said element to produce a high vacuum therein, and then filling said element with vapor of the desired volatile liquid.

1,629,175. DRILL SHARPENER. ARTHUR E. PETERS, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 11, 1925. Serial No. 68,447. 2 Claims. (Cl. 76—5.)



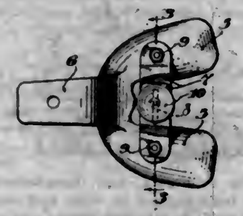
1. In a drill sharpener, the combination of a hollow base formed with an integral raising cylinder having a lateral flange, an anvil block supported on said flange and having a clamping cylinder at its lower portion surrounding the raising cylinder, a clamping piston in said clamping cylinder having a reduced extension in said raising cylinder, a movable cross head above the anvil block, posts connected to the cross head and the clamping piston, the upper ends of the posts extending beyond the cross head to form guide members, a guiding and protecting yoke extending over the cross head and having legs supported upon the anvil block outside of the periphery of the cross head, the upper guiding ends of the posts extending into said apertures in the yoke.

1,629,176. SELF-CONFORMING STRAW HAT. FREDERICK G. PHELPS, New York, N. Y. Filed Nov. 10, 1924. Serial No. 748,844. 7 Claims. (Cl. 2—193.)



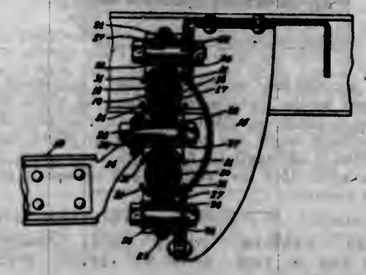
1. As an article of manufacture, a straw hat having a stiffened crown portion, a stiffened brim, and a flexible zone comprising the conjuncture of the crown and the brim, in combination with a single wide braid of straw extending circumferentially of the hat and overlying the flexible zone, said braid being attached to the inside of the crown and to the bottom of the brim to provide a vertical support for the flexible side wall of said crown.

1,629,177. DENTAL IMPRESSION TRAY. BENJAMIN F. SAHR, Hutchinson, Minn. Filed July 10, 1926. Serial No. 121,698. 3 Claims. (Cl. 32—6.)



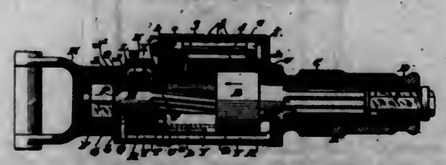
1. A dental impression tray for lower jaw impressions having one-piece a U-shaped body and a projecting handle and provided with a rigidly held transverse pressure bar formed with a fingerpiece at the transverse center of the tray for equalizing the pressure on the two sides of the tray.

1,629,178. CONNECTION FOR TORQUE ARMS OR THE LIKE. FLORAIN J. SHOOK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1924. Serial No. 754,388. 9 Claims. (Cl. 180—85.)



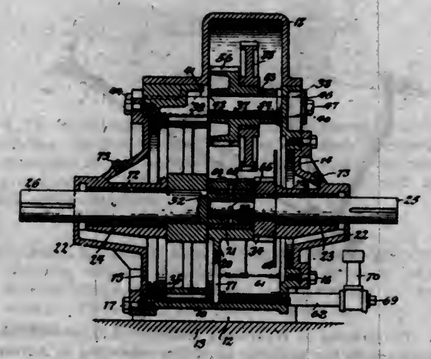
1. A torque arm connection comprising a torque arm, an anchorage therefor, and a connecting member operatively interposed between the two, said member having attachment points for the arm and anchorage respectively and comprising opposed facings of flexible material converging toward said attachment points and held bulged apart between said points by a cushion of resilient material.

1,629,179. ROCK DRILL. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 24, 1925. Serial No. 39,165. 3 Claims. (Cl. 121—18.)



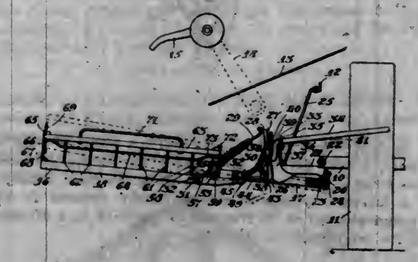
1. In a fluid actuated rock drill of the hammer type, the combination of a cylinder and reciprocating piston, rotation mechanism for the drill steel including a rifle bar, a valve in the form of a sleeve surrounding the rifle bar for controlling the admission of pressure fluid to both ends of the cylinder, a valve casing located at the side of the cylinder having exhaust ports leading from the ends of the cylinder thereinto, and a reciprocating fluid actuated piston valve located in the said valve casing for controlling the exhaust of motive fluid from the cylinder through the said exhaust ports and valve casing to atmosphere.

1,629,180. SPEED CHANGER. HARRY J. SMITH, Lakewood, Ohio. Filed Aug. 12, 1924. Serial No. 731,572. 13 Claims. (Cl. 74—7.)



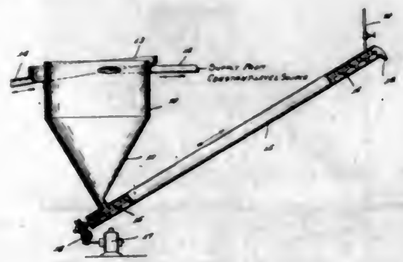
1. A speed changer comprising a small high speed gear wheel, a large low speed gear wheel, a double pair of gear wheels each pair being connected and consisting of a small gear wheel and a large gear wheel, the large gear wheel of one pair meshing with the small high speed gear wheel and the small gear wheel of the other pair meshing with the large low speed gear wheel, and a single connected pair of small and large gear wheels, the large gear wheel of the single pair meshing with the small gear wheel of the pair geared with the righ speed gear wheel, and the small gear wheel of said single pair meshing with the large gear wheel of the pair geared with the slow speed gear wheel, said small high speed gear wheel and large low speed gear wheel being on one axis, said double pair of gear wheels being on another axis, and said single pair of gear wheels being on still another axis and the axes of said high and low speed shafts and the intermediate shafts being parallel and equidistant.

1,629,181. BUNDLE CARRIER. HERBERT B. SPERRY and GUSTAV W. WITTE, Chicago, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 1, 1922. Serial No. 540,114. 13 Claims. (Cl. 56—480.)



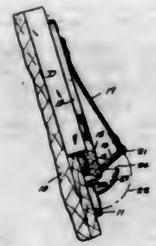
1. In combination, a frame, a bracket pivoted to said frame and having upwardly and rearwardly diverging arms, a bundle carrier including a support connected to the end of the rearwardly diverging arm of said bracket and supported thereby, and control means connected to the upwardly diverging arm for controlling the pivotal movement of the bracket to effect movement of the support for dumping the bundle carrier.

1,629,182. WHIRLPOOL CLASSIFIER AND CLASSIFYING PROCESS. RAY T. STULL, Columbus, Ohio, assignor to Stull Process Company, Savannah, Ga., a Corporation of Georgia. Filed Feb. 21, 1923. Serial No. 620,389. 9 Claims. (Cl. 209—211.)



1. The process of separating colloidal or quasi-colloidal particles from fine granular particles, consisting in delivering a mixture of such particles suspended in liquid tangentially to the outer portion of a horizontally extended internally unobstructed body of liquid under impetus sufficient to establish a horizontal whirl having an angular velocity which decreases toward the center, overflowing a thin sheet of liquid carrying the quasi-colloidal particles from the periphery of the liquid body above but close to the level of the feed, and collecting the granular particles below the feed region.

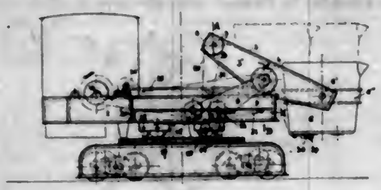
1,629,183. BRACKET HINGE. DANIEL D. SWEM, Bridgeport, Conn., assignor to The Artistic Bronze Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 3, 1926. Serial No. 85,662. 7 Claims. (Cl. 16—184.)



1. A door hinge comprising a butt, a strap pivoted to the butt, a yoke pivoted to the butt on the opposite side of the strap pivot from the strap when the door is closed, and a laterally yieldable spring rigidly secured to the strap and pivoted at its free end to the yoke at a distance from its connection to the butt.

1,629,184. FOUNDRY LADLE CRANE. ARTHUR THOMAS, Mont-sur-Marchienne, Belgium, assignor to Ateliers de Constructions Electriques de Charleroi Societe Anonyme, Brussels, Belgium. Filed Mar. 19, 1926, Serial No. 95,865, and in Belgium Mar. 25, 1925. 12 Claims. (Cl. 22—82.)

1. A foundry ladle crane, comprising a structure adapted to pivot around a vertical axis, a ladle-support mounted on said structure, means for slewing said structure with said ladle support around said axis, means for operating said ladle support to move the ladle towards



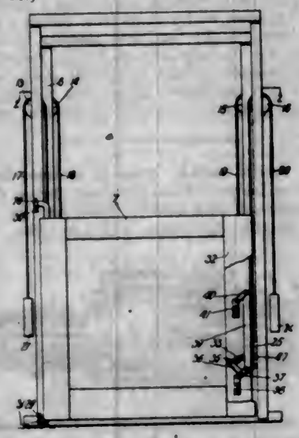
and away from said axis, and independent means for operating said ladle-support to raise and lower the ladle without lifting said pivotal structure.

1,629,185. NONSLIP FLOOR CONSTRUCTION. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,772. 3 Claims. (Cl. 94—6.)



1. A non-slip floor surface including a supporting mass of cement having plane-faced fragments of a flat slab of abrasive material embedded in the upper surface thereof to a uniform depth and with the plane upper faces of the fragment substantially flush with the surface of the mass in which they are embedded and exposed to present a tread surface.

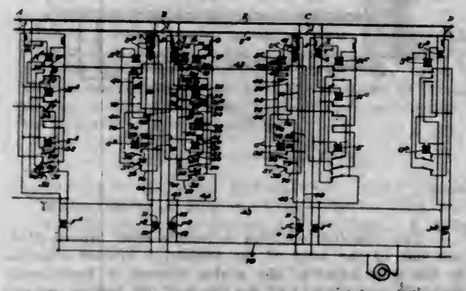
1,629,186. WINDOW. JOSEPH VIDINA, Chicago, Ill. Filed July 26, 1926. Serial No. 124,790. 3 Claims. (Cl. 20—46.)



1. In a window of the class described a stationary frame, a sash slidably arranged in said frame, a counterweight attached to said sash, hinge parts on said sash, corresponding hinge parts on said frame, said parts being adapted to engage each other, when the sash is slidably moved into a predetermined position, guide ways in said stationary frame, guide plates on one side of said sash adapted to engage one of said guide ways, a guide bar on the other side of the sash, means for moving said guide bar into and out of engagement with a guide way opposite

of the first mentioned guide way, a second counterweight, means for removably connecting said second counterweight to the sash, means on the stationary frame to hold said connecting means when removed from the sash, and means for moving said connecting means selectively into engagement with the sash and the stationary frame respectively.

1,629,187. RAILWAY-TRAFFIC CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 25, 1923. Serial No. 641,388. 21 Claims. (Cl. 246—34.)



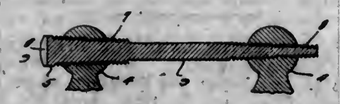
1. In combination, a right hand and a left hand section of railway track, a track relay for said left hand section, a stick relay for said right hand section, means for energizing said stick relay as soon as said track relay is de-energized by a train in the left hand section moving toward the right hand section, and apparatus controlled in part by said stick relay for supplying train governing current to the rails of said forward section.

1,629,188. KNITTED CAP. ROBERT G. WARREN, Milwaukee, Wis. Filed Nov. 6, 1925. Serial No. 67,271. 1 Claim. (Cl. 2—172.)



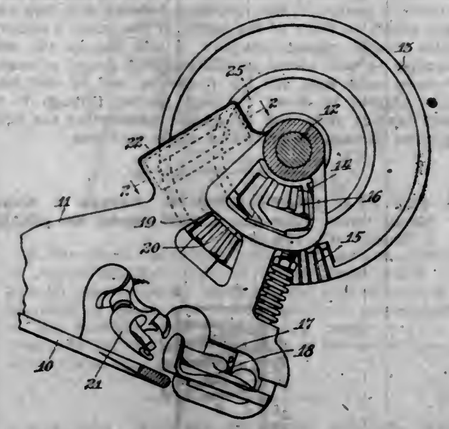
A knitted cap comprising a body portion, fasteners located on opposite sides thereof adjacent the front, a flap secured to the lower edge of the body portion and adapted to be folded upwardly with the ends of the flap secured to said fasteners or to be folded downwardly with the ends of the flap secured to said fasteners or folded downwardly with the ends of the flap secured to each other beneath the chin of the wearer, said flap having panels intermediate the ends thereof, each of said panels being formed of a central straight knitted portion joined to the remainder of the flap by means of rack knitted portions, said panels projecting below the main line of the lower edge of the flap when said flap is folded downwardly.

1,629,189. ELECTRICAL CONNECTOR. FRANK L. WEAVER and MICHAEL F. CAMPION, Norwich, Conn. Filed May 4, 1925. Serial No. 27,813. 6 Claims. (Cl. 173—324.)



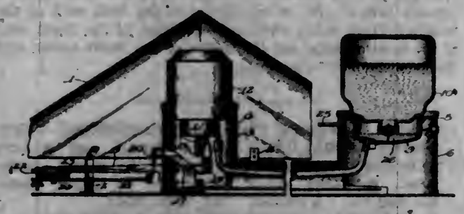
1. In combination with an electrical storage battery including the battery plate groups and their terminals, a connecter for the terminals comprising a tapered member having threaded portions adapted to engage with the plate group terminals.

1,629,190. KNOTTER CAM OILER FOR HARVESTERS. WILLIAM WEBBER, La Grange, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Jan. 12, 1925. Serial No. 1,811. 7 Claims. (Cl. 289—8.)



3. In a knotter mechanism for binding mechanisms having a frame, a knotter shaft carried in the frame, a cam wheel having gear faces fixed to said shaft, a knotter hook pinion and a cord holder pinion carried on shafts journaled in the frame and engageable with the gear faces on the cam wheel, and a bracket provided with an oil soaked pad carried on the frame, said pad engageable by the gear faces on the cam wheel for lubricating said gear faces and pinions.

1,629,191. OIL-BURNER-CONTROL MECHANISM. EDWARD L. WELLS, Macomb, Ill., assignor to American Steel Products Co., Macomb, Ill., a Corporation of Illinois. Filed May 21, 1926. Serial No. 110,666. 5 Claims. (Cl. 236—6.)



1. In an oil-burning heater, a burner, a supporting element upon which the burner is pivoted, an oil supply

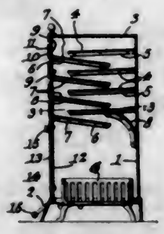
connected to the burner, means for raising and lowering the oil supply with respect to the burner, and thermostatic means for regulating the height at which the pivoting portion of the supporting element is disposed.

1,629,192. REFLECTOR LAMP FOR DIAPROJECTION FOR CINEMATOGRAPHY. WILHELM WINZENBURG, Kragenhof, near Kassel, and FRIEDRICH NOACK, Kassel, Germany. Filed June 23, 1923. Serial No. 647,408. 4 Claims. (Cl. 88—24.)



1. In a cinematographic projection apparatus, a reflector lamp for diaprojection, comprising, in combination, a concave mirror, a condensing lens located opposite said mirror, a source of light arranged between said lens and the mirror in front of the centre of the same, a lantern slide located opposite one half of said lens on the side counter to said source of light, optical means arranged between said slide and the respective half of said lens and adapted to direct the rays passing through it to said lantern slide, and means for intercepting the rays passing through the other half of the said lens.

1,629,193. GRATE HOUSING. LUTHER B. ZILAR, Miami, Okla. Filed Aug. 4, 1926. Serial No. 127,119. 1 Claim. (Cl. 126—58.)



A device of the class described including a housing open at the bottom and having an outlet aperture at the top, there being a door opening in the front of the housing adjacent the bottom, a closure for the door opening, a series of superposed baffle plates within the housing secured to the front thereof, a series of superposed baffle plates within the housing and secured to the back thereof, the baffle plates of one series being extended between the baffle plates of the other series, said plates cooperating to provide a tortuous passage for combustion products, a combined deflector and reflector connecting the lower baffle of one series to the back wall of the housing, there being clean-out openings in the front wall of the housing adjacent the baffles of the front series, and closures for said openings.

1,629,194. PROCESS FOR MANUFACTURING DIHYDROXY PERYLENE. ALOIS ZINKE and ALBERT KLINGLER, Graz, Austria, assignors, by mesne assignments, to Felice Bensa. Filed Oct. 4, 1922. Serial No. 592,203. 3 Claims. (Cl. 260—154.)

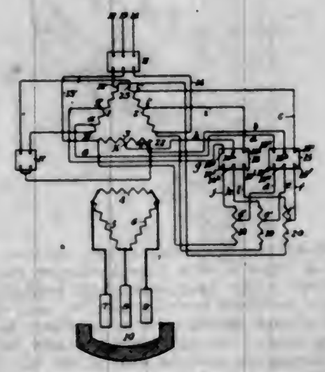
1. A process for manufacturing dihydroxyperylene consisting in intimately mixing dinaphthols with aluminum chloride, heating the mixture for a period of time not exceeding one hour to a temperature not exceeding the melting temperature of the dinaphthols and lixiviating the mass obtained whereby any undecomposed aluminum chloride and products of decomposition thereof are removed.

1,629,195. DOOR-CLOSING HANDLE. WILLIAM M. ARCHIBALD, Jacksonville, Fla. Filed June 19, 1926. Serial No. 117,160. 4 Claims. (Cl. 16—112.)



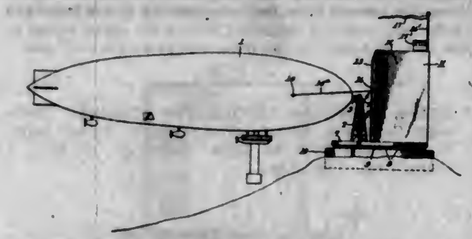
1. The combination with a vehicle door hinged along one side of the body of the vehicle, a bracket attached to the door adjacent the center thereof, a horizontally swinging arm pivoted to the bracket and having one end thereof extended adjacent the hinged edge of the door and provided with a handle, the bracket and arm being connected by a torsion spring urging the handled end of the arm into engagement with the inner face of the door, said bracket being U-shaped and having vertically aligned openings formed in the arms thereof through which a downturned extension upon the inner end of the arm is directed, said torsion spring being coiled about the downturned extension of the arm between the arms of the bracket and having one end thereof abutted against the bight of the bracket and the opposite end thereof secured to the downturned extension of the arm.

1,629,196. METHOD OF OPERATING ELECTRIC FURNACES. SAMUEL ARNOLD, 3d, Ben Avon, Pa. Filed Apr. 14, 1926. Serial No. 101,925. 8 Claims. (Cl. 204—64.)



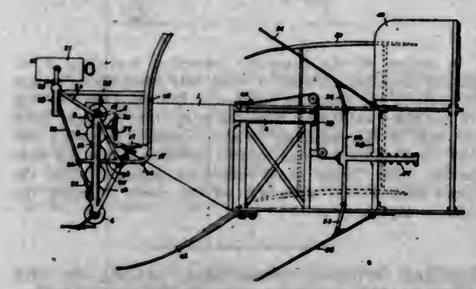
1. In the method of operating electric arc furnaces, the step comprising providing at least three available voltages, and utilising an intermediate voltage for starting the melt.

1,629,197. AIRSHIP ANCHORAGE. WILLIAM AUBERLIN, Northfield, Ohio. Filed Jan. 18, 1926. Serial No. 82,022. 3 Claims. (Cl. 244—2.)



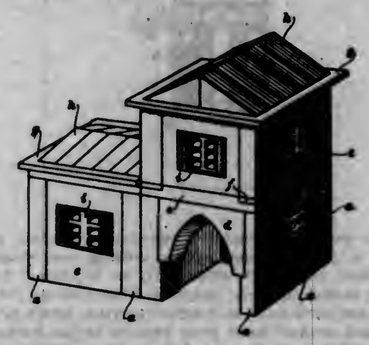
1. An airship anchorage comprising a rotary platform, a mooring mast mounted thereon, and a windshield mounted on the platform beside the mooring mast, the mast being located at one side of the center of rotation of the platform and the windshield being located at the opposite side of the said center.

1,629,198. FLYING APPARATUS. RENÉ AUGUSTE BERARD, Bellevue, France. Filed July 12, 1924, Serial No. 725,711, and in France July 18, 1923. 5 Claims. (Cl. 89—40.)



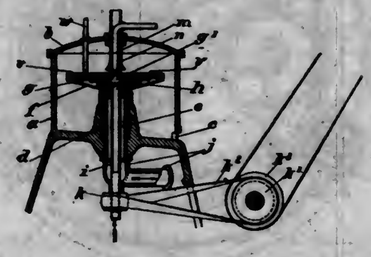
1. In combination with a flying machine, a fork mounted thereon for rotation about a longitudinal axis and a frame mounted for turning movement about a fixed axis extending transversely of the prongs of the fork, said frame being arranged to carry a weapon and being provided with a seat for a gunner.

1,629,199. BOX OF BRICKS FOR BUILDING ROOMS INCLOSED BY WALLS. ALBERT BOSSLET, Munich, Germany. Filed Jan. 10, 1925, Serial No. 1,696, and in Germany Dec. 21, 1923. 1 Claim. (Cl. 46—35.)



A box of bricks for building rooms inclosed by walls comprising building elements of which the buildings are built by putting the building elements side by side or one on the other, said building elements consisting of four corner posts provided with vertical recesses extending downwardly from the upper ends of the posts and of a width less than the thickness of the post and terminating intermediate of the ends thereof, of intermediate elements inserted in the recesses of the corner posts in flush relation with the outer edges of the same, four nogging pieces supported by said corner posts, the ends of which pieces overlap each other so that a frame is formed which serves as a bond between several building elements, a horizontal roof supporting board arranged upon the nogging pieces, and a roof consisting of two solid triangular elements arranged upon the said horizontal board with their inner portions abutting so as to form a sloping roof with a horizontal ridge.

1,629,200. METHOD OF AND APPARATUS FOR CARRYING OUT CHEMICAL REACTIONS OR PHYSICAL PROCESSES. ERNST BUHTZ, Berlin, Germany. Filed Apr. 6, 1925, Serial No. 21,194, and in Germany Feb. 7, 1925. 10 Claims. (Cl. 23—230.)



1. The herein described method of causing chemical or physico-chemical reactions of substances which consists in simultaneously supplying the said substances in the form of superposed films in amounts corresponding to the chemical composition of the components to be formed by the reaction to a disk near the center thereof, and rotating the said disk.

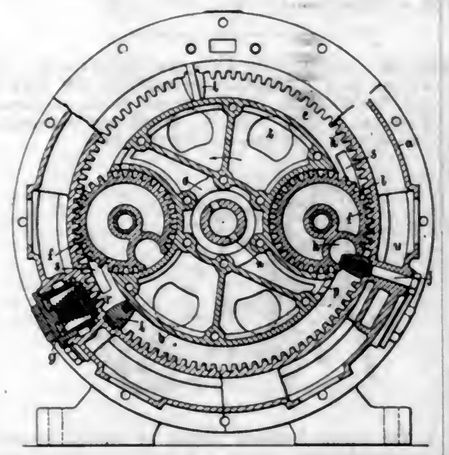
1,629,201. WINDOW-CLEANING DEVICE. MARIE CHRISTELER, Utica, N. Y. Filed July 14, 1926. Serial No. 122,343. 3 Claims. (Cl. 15—103.)



1. A device of the class described comprising a carriage, a guide post, a pad slidably supported thereon, said guide post being pivoted to said carriage, a grooved

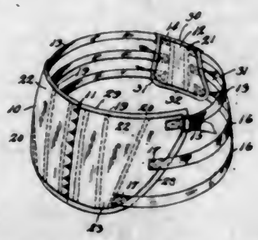
pulley at the upper end of said post, a pair of grooved pulleys at the lower end of said post, cables trained on said pulleys attached to said pad for reciprocating the latter, a strap mounted on said carriage, and flexible means in said strap for normally retaining the guide post in upright position when positioned adjacent a window.

1,629,202. PUMP, COMPRESSOR, OR THE LIKE. BAUCH CONKLIN, London, England. Filed Jan. 25, 1924, Serial No. 688,587, and in Great Britain Jan. 26, 1923. 2 Claims. (Cl. 230—30.)



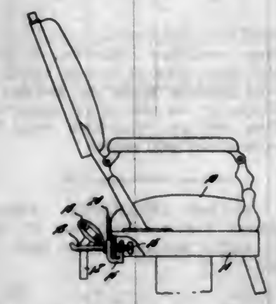
1. A compressor pump or the like comprising an outer casing an inner drum concentric with said casing and spaced therefrom the space between said casing and drum constituting the working chamber a centrally disposed hollow shaft on which the drum is mounted means whereby fluid entering the shaft is passed through the drum into the working chamber means for filtering the fluid as it enters the shaft abutments rotatably mounted on the drum teeth on the outer surface of the abutments cooperating teeth on the inner surface of the casing vanes on the outer casing extending into the working chamber the fluid being compressed between the abutments and vanes and means whereby a portion of the fluid can leak past the vanes.

1,629,203. ABDOMINAL SUPPORTER. JENNIE M. COON, Battle Creek, Mich. Filed June 25, 1923. Serial No. 647,693. 1 Claim. (Cl. 2—41.)



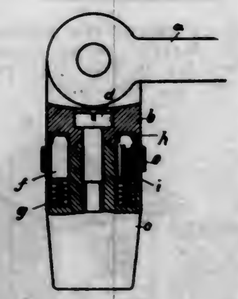
A three piece abdominal supporter comprising a front pad composed of substantially segmental parts shaped to fit the curvature of the abdomen and connected by a detachable fastening, a stayed rear pad of less area than the front pad and increasing in diameter downward to fit the lower portion of the back adjacent the base of the spinal column, connecting straps disposed at the upper edges of the front and rear pads, lower connecting straps extending upward from the lower portion of the front pad to the rear pad, and adjusting devices for upper straps at the front pad and for the lower straps at the rear pad.

1,629,204. HOLDING DEVICE FOR CHAIRS. THEODORE COTE and EDWARD VICTOR COTE, Tupper Lake, N. Y. Filed Dec. 23, 1925. Serial No. 77,313. 1 Claim. (Cl. 155—188.)



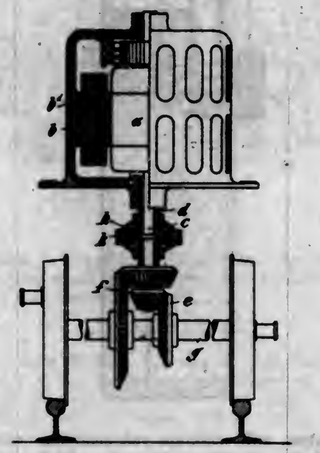
A device of the character described including a U-shaped clamping member, a wing bolt adjustable through one side of the clamping member, a U-shaped yoke having an inwardly extending threaded projection engaged with the side of the clamping member opposite the wing nut and upwardly extending spaced parallel projecting rods having their lower ends removably engaged with the upper edge of the inside wall of the clamp to which the yoke is attached.

1,629,205. WRENCH WITH HEAD HINGED ON THE SHAFT AND WITH REVERSIBLE RATCHET MECHANISM. HANS DISTLER, Feuerbach, near Stuttgart, Germany, assignor to The Firm Spezial-Werkzeug-Fabrik Feuerbach-G. m. b. H., Feuerbach, Germany. Filed Aug. 24, 1925, Serial No. 52,166, and in Germany Dec. 20, 1924. 2 Claims. (Cl. 81—60.)



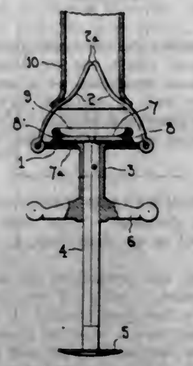
1. A wrench comprising in combination a shaft, a head piece, a joint element having notches and connecting said head piece with said shaft, an adjusting ring between said head piece and said joint element, teeth on the inner surface of said adjusting ring, pawls pivotally arranged on said head piece parallel to the axis of the same and in a circle around this axis, and teeth on said pawls and meshing with said teeth of said adjusting ring so that when said adjusting ring is rotated said pawls are swung 180° around their axes.

1,629,206. DRIVING MEANS FOR ELECTROLOCOMOTIVES. HANS DOLLMANN, Berlin-Waidmannslust, Germany. Filed Sept. 26, 1925, Serial No. 58,954, and in Germany Oct. 13, 1924. 5 Claims. (Cl. 105—52.)



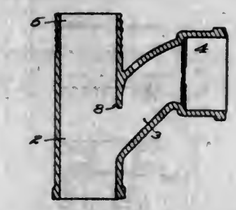
2. Driving means for electro-locomotives comprising an electro-motor having an armature and magnetic field adapted to rotate in opposite directions; a shaft connected to the armature; a hollow shaft connected to the magnetic field; a power shaft at right angles to the axis of the armature; a plurality of conical gear wheels connected on said shafts; and an elastic coupling for the first-two-named shafts.

1,629,207. RING INSERTER FOR MILKING-MACHINE TEAT-CUP INFLATIONS. THOMAS NEILSON DRUMMOND, Hamilton, New Zealand, assignor of one-half to Leslie Beauchamp Maunsell, Eridge, Masterton, New Zealand. Filed Oct. 22, 1926, Serial No. 143,458, and in New Zealand June 21, 1926. 6 Claims. (Cl. 29—88.2.)



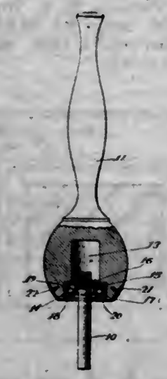
1. A ring inserter for milking machine teat cup inflations, comprising a disc; fingers pivotally attached to the edge of the latter so that their outer ends can contact with each other; a ring carrying disc located between said pivoted fingers and said first mentioned disc, and a stem slidable through the first mentioned disc, to which said ring-carrying disc is secured.

1,629,208. SOIL FITTING. DANIEL LOT ERNST, Los Angeles, Calif. Filed Aug. 27, 1925. Serial No. 52,924. 1 Claim. (Cl. 137—75.)



A soil and vent plumbing apparatus including a soil fitting having a substantially straight, continuous main vertical tube whose lower end is insertible into the socket of a contiguous soil pipe and whose upper end is attachable to the base of a closet, one side of the tube having a Y-branch ending in a hub whose axis is substantially perpendicular to the tube for attachment of a venting elbow superjacent a floor girder; whereby cutting of the girder is eliminated; the upper part of the said tube ending in a plane above the said hub, and a curtain wall at the mouth of the branch.

1,629,209. JUMPING ROPE. WILLIAM FAIRBANKS, Los Angeles, Calif. Filed Mar. 4, 1926. Serial No. 92,218. 2 Claims. (Cl. 272—75.)

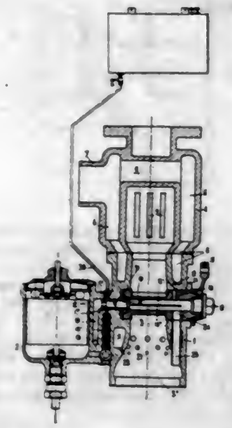


1. A jumping rope comprising a pair of handles having recesses therein, a flexible element having its ends extending into said recesses, an angular bearing race adapted to support the end of the flexible element within its respective recess, a second angular bearing race disposed within each recess about the flexible element, balls disposed between the races, a cage enclosing the races and balls within each handle, and means for securing each cage within its respective recess.

1,629,210. CARBURETOR. ENRICO FERROLDI, Turin, Italy. Filed July 1, 1922, Serial No. 572,144, and in France July 8, 1921. 1 Claim. (Cl. 261—18.)

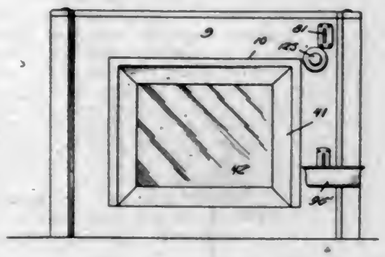
A carburetor for internal combustion engines adapted to operate on heavy fuel, comprising a carbureting chamber, separate means for containing a heavy fuel and a light fuel, separate ducts connecting said means with said chamber, said ducts having restricted portions so as to prevent the passage of the heavy fuel when the carburetor

is cold and to prevent the passage of the light fuel when the carburetor is heated by restricting the flow of vapor, and means for heating said carburetor by a fluid the tem-



perature of which depends upon the operation of the engine to control the flow of the two fuels to the carbureting chamber.

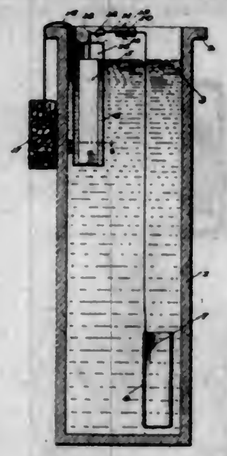
1,629,211. COIN-CONTROLLED MECHANISM. GANDOLOFO GIAMBRA, Paterson, N. J. Original application filed Jan. 16, 1926, Serial No. 81,860. Divided and this application filed Sept. 2, 1926. Serial No. 133,191. 5 Claims. (Cl. 194—65.)



1. A coin controlled mechanism including a support, a fixed chute on said support, a movable chute, an extension on the movable chute provided at its upper end alongside of the fixed chute, a bar pivoted adjacent the lower end of the movable chute and extending upwardly and having an extension disposed inwardly of the fixed and movable chutes, a loop on said movable chute for receiving the upper end of the bar, a cam engageable with said bar below the loop, means for rotating the cam, adjustable means for stopping a coin in said movable chute delivered thereto from the fixed chute at a point to be engaged by the extension of the bar, and a pair of fixed chutes with which the lower end of the movable chute is registrable.

1,629,212. PROCESS AND APPARATUS FOR RECOVERING SILVER FROM PHOTOGRAPHER'S SPENT HYPOSULPHITE SOLUTION. ERNEST K. GIFFEN, Salida, Colo. Filed Sept. 19, 1923. Serial No. 57,455. 5 Claims. (Cl. 204—16.)

5. A process for the recovery of silver from spent hyposulphite solutions which comprises immersing elements in remote relation in the solution to form a voltaic cell and connecting said elements externally through an ohmic re-



sistance which will maintain the maximum voltage between said elements during deposition of silver upon one of said elements.

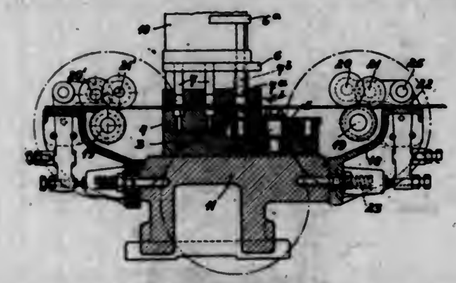
1,629,213. TOOL-HOLDING DEVICE. LANK HUGHES, Washington, D. C. Filed June 10, 1926. Serial No. 115,135. 7 Claims. (Cl. 206—16.)



1. In a tool holding device, a container, a plurality of tool holding means within the container, each of said tool holding means consisting of a fixed part and a relatively movable part, a common spring means acting upon the movable parts and adapted to hold said movable parts in either open or closed position in regard to the fixed parts.

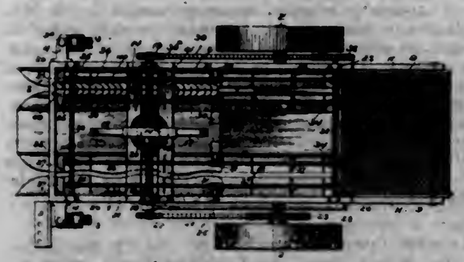
1,629,214. BUTTON-MAKING MACHINE. HUGO ISRINGHAUS, Barmen, Germany. Filed July 7, 1924, Serial No. 724,730, and in Germany July 9, 1923. 3 Claims. (Cl. 79—3.)

1. A device for the production of metal buttons by means of an eccentric press from two strips of material conducted through the press parallel to each other, comprising in combination an eccentric press with an outer ram and an inner ram working in said outer ram, a die plate, a revolving disk under said die plate, a feeding device for guiding the strips of material in proximity to each other over the die, a row of punches over each strip of material for shaping the elements of the button, said two rows of punches being connected with the outer ram, a drawing tool arranged in the extreme punch of one row of punches seen in the direction of movement of the strip of material, and an assembling punch for uniting the shaped and punched button elements, said last mentioned two punches being connected with the inner ram said disk being provided with a plurality of circumferentially spaced moulds, said moulds



being adapted to cooperate with said drawing tools and said assembling punch and to move the partially formed elements to said assembling punch.

1,629,215. HARVESTER. HOMER B. JOHNSON, Sheridan, Ind.; Emma K. Johnson administratrix of said Homer B. Johnson, deceased. Filed Sept. 1, 1922. Serial No. 585,757. 7 Claims. (Cl. 56—126.)



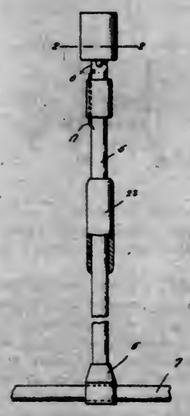
1. In a bean harvester, the combination with the framework, of a pair of troughs spaced apart and forming a sinuous slot between them, portions of said troughs lying horizontally near the bottom of the machine and the rear portions of said troughs being inclined, means located over the plane of the horisontal portions of said troughs for driving the beans from the plants in lateral directions to each side of said plants, and conveyors having drags movable through said troughs from front to rear.

1,629,216. RADIATOR PROTECTOR. LOUIS G. KLENCK, Jr., St. Paul, Minn. Filed Oct. 8, 1926. Serial No. 140,402. 1 Claim. (Cl. 293—54.)



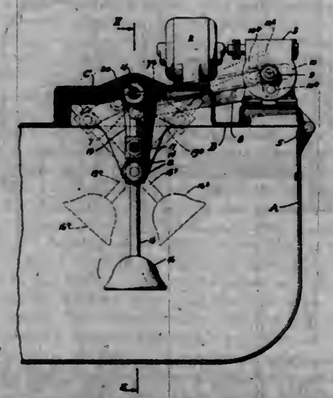
A device of the class described including, in combination, a frame, a sheet of foraminous material stretched across the frame, a plurality of bolts piercing openings in the frame, a pair of rods diagonally disposed in relation to the frame and having eye ends pierced by the bolts, spacing blocks on the bolts adjacent the brace rods, and nuts on the bolts for holding them in engagement with a radiator in the manner described.

1,629,217. SOCKET MEMBER. WILLIAM W. LARGENT and CHARLES A. STILES, Tyrone, Pa. Filed Apr. 6, 1926. Serial No. 100,119. 4 Claims. (Cl. 81—124.1.)



4. In a wrench of the character described, a handle having a bore, a socket adapted for detachable engagement upon one end of the handle, a pin slidable within the bore in the socket attaching end of the handle and engaging at its forward end with said socket, means for projecting the pin through the socket for discharging the nut therefrom, and means operable by the pin when moved to nut projecting position for locking the socket upon the handle.

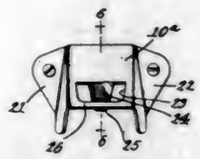
1,629,218. WASHING-MACHINE MECHANISM. ALBERT G. LARSON, Piedmont, and EDWARD R. COOPER, San Leandro, Calif.; said Cooper assignor to Josephine W. Cooper, San Leandro, Calif. Filed Oct. 15, 1925. Serial No. 62,532. 5 Claims. (Cl. 259—101.)



1. In a washing machine of the character described, a supporting member, a driving motor, a continuously operating driving shaft driven by the motor, a rocker shaft journaled on the support, means for transmitting a rocking movement from the drive shaft to said rocker shaft,

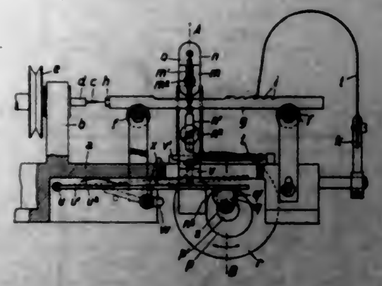
a reciprocally mounted plunger also carried by the support, and means whereby a reciprocal and a simultaneous oscillating movement in a vertical plane is transmitted from the rocker shaft to the plunger.

1,629,219. BOTTLE OPENER. DEXTER W. LILES, Badin, N. C. Filed Aug. 13, 1925. Serial No. 50,071. 1 Claim. (Cl. 65—46.)



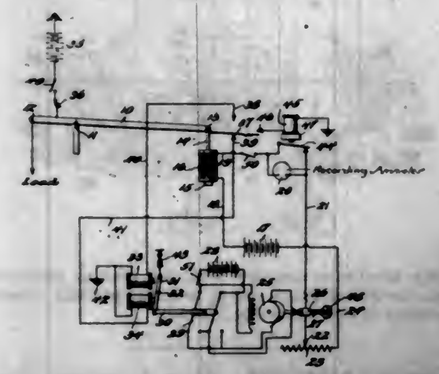
In a bottle opener, a body portion including a length of sheet metal bent to provide lateral side members, ears formed on the lateral side members, said ears having openings to receive securing screws to secure the device to a supporting structure, said body portion having an opening stamped therein, one edge of the opening being formed into a knife-like edge, a depending tongue having a forwardly extended end portion extending from one wall of the opening, said knife-like edge adapted to engage one edge of a bottle cap, and said forwardly extended end portion adapted to engage the outer surface of the bottle cap to bend the same at this point.

1,629,220. MACHINE FOR DRILLING DRAWING DIES. SIEGMUND LOEWENHERZ and MAX STOCKMAYER, Berlin, Germany, assignors to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H., Ehrenbergstrasse, Berlin, Germany, a Corporation of Germany. Filed Sept. 2, 1925. Serial No. 54,006. 12 Claims. (Cl. 77—1.)



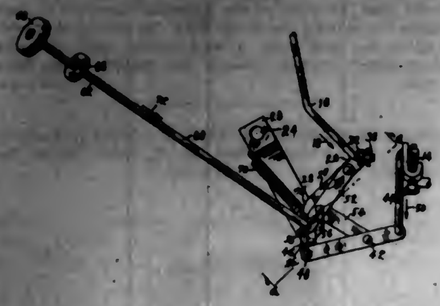
1. A machine for drilling drawing dies, in particular diamond dies, including a drill, a work holder adapted to be reciprocated in relation to the drill, and means for moving the work holder through the same distance independently of its position during the drilling operation, said means including a pressure applying member adapted to press on and displace said work holder.

1,629,221. RECORDING SCALE. BARRY MACNUTT, Gloucester, Mass. Filed July 9, 1925. Serial No. 42,493. 4 Claims. (Cl. 177—351.)



1. Automatic weighing apparatus comprising, in combination, a beam fulcrumed between its ends, means to apply an article to be weighed to one end of said beam, a magnetic core secured to the other end of said beam, a solenoid winding surrounding said core, a source of electricity connected in circuit with said winding, an adjustable resistance in said circuit, means to adjust said resistance to balance the load on said beam by electromagnetic attraction of said core, a recording ammeter and means to connect said ammeter in said circuit upon the obtaining of a balance.

1,629,222. FOOT ACCELERATOR. JACK E. MESSENGER, Des Moines, Iowa. Filed July 26, 1926. Serial No. 125,016. 18 Claims. (Cl. 74—92.)



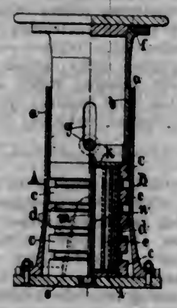
1. A foot accelerator for carburetors comprising a support, a pair of levers pivotally connected together and mounted on said support and capable of movement independently of each other, toggle levers pivotally connected to said pair of levers, and a foot actuatable member in engagement with said toggle levers for moving them whereby movement of said pair of levers relative to each other may be made and means of connection between one of said pair of levers and a carburetor valve.

1,629,223. FIREPLACE. STEPHEN MOGYORÓS and STEPHEN VIDI, East Pittsburgh, Pa. Filed Nov. 19, 1926. Serial No. 149,404. 4 Claims. (Cl. 126—79.)



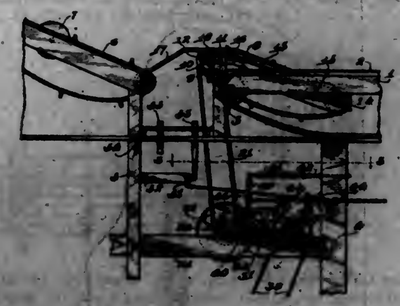
1. In a structure of the class described, a plurality of combustion chambers, a fire box below each chamber and an ash pit below each fire box, a smoke flue, and means for placing the lower end of the smoke flue in communication with either ash pit, a pipe adapted to swing with reference to the upper end of the flue, a swinging plate on which the plate is mounted, and means for shifting the plate and pipe to position for establishing communication between the flue and either combustion chamber.

1,629,224. BUFFER FOR RAILWAY AND LIKE CARS. HEINRICH MOHR, Hagen, Germany. Filed June 8, 1925, Serial No. 35,776, and in Germany Nov. 8, 1924. 7 Claims. (Cl. 213—221.)



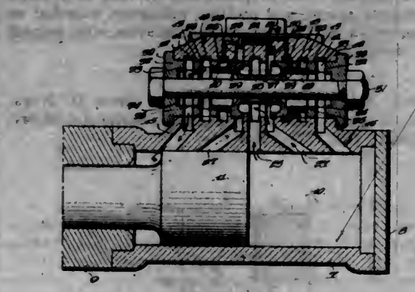
1. A buffer gear for railway and like cars comprising in combination: solid rings adapted to move longitudinally, intermediate split rings adapted to be compressed or expanded radially by the longitudinal movement of said solid rings, and a single series of concentrically arranged approximately cylindrical split springs separated one from another by concentric air spaces and adapted to be compressed or expanded one after the other in successive operations by the action of said intermediate rings whereby longitudinal forces or shocks are transmitted radially to the said series of split springs, substantially as described.

1,629,225. TRANSFER TABLE FOR SAWMILLS. CARL MOSEN and WILLIAM J. COLEMAN, Bend, Oreg. Filed Mar. 10, 1926. Serial No. 93,658. 2 Claims. (Cl. 143—92.)



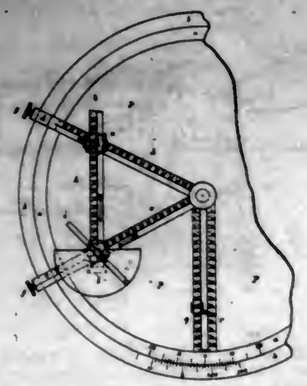
1. In combination, a trimmer table, a transfer table, and conveying means therebetween consisting of inclined bars each having a portion thereof horizontally disposed.

1,629,226. FLUID-OPERATED MOTOR. WILLIAM G. NAESMITH, Denver, Colo., assignor to The Denver Rock Drill Mfg. Co., Denver, Colo. Filed Dec. 6, 1922. Serial No. 605,290. 5 Claims. (Cl. 121—29.)



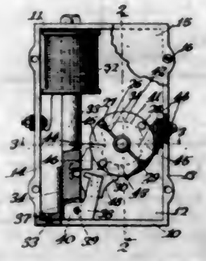
1. In a fluid operated motor, the combination with a cylinder member having a piston chamber and a reciprocatory piston operating therein, of a valve chest having a valve chamber, means for supplying motive fluid to the end portions of the valve chest, intake passages for directing such motive fluid from the ends of the valve chest to the ends of the piston chamber, said piston chamber having exhaust permitting passages between the intake passages opening into the valve chamber between the supply means, an exhaust outlet from the valve chest between the exhaust permitting passages, a distributing valve in the valve chamber having end portions that control the passage of motive fluid from the supply means to the intake passages and spaced valve flanges that control the exhaust of fluid through the exhaust permitting passages to the outlet, the surface areas of the said end portions being greater than the surface areas of said flanges, means for intermittently supplying live motive fluid alternately against said smaller surface areas of the flanges during a portion of the piston stroke while maintaining corresponding pressure against the opposite larger surface areas to hold the valve against shifting, while relieving the corresponding end portion area of the valve of pressure, and means controlled by the piston as it reaches the limit of its stroke to deliver motive fluid under pressure against said end portions and supplementing the pressure against the flanges to shift the valve.

1,629,227. MANEUVER INDICATOR. FABBRIZIO RUSPOLI, Turin, Italy. Filed Feb. 9, 1922. Serial No. 535,183. 14 Claims. (Cl. 33—75.)



1. In an instrument of the class described, in combination, a supporting member, a disk rotatably mounted in said member and having marked on its surface a series of logarithmic spirals, having the center of the disk as a focus, and having a series of parallel lines spaced at a definite distance apart and numbered from the center, a series of parallel lines perpendicular to said first series and definitely spaced and position indicators mounted on said supporting member in coacting relation with respect to said markings.

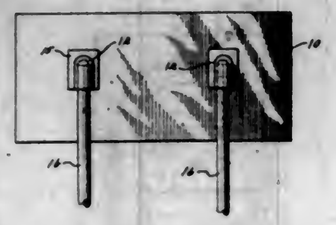
1,629,228. GAS-BURNER CONTROL. EPPA H. RYON, Pasadena, Calif. Filed May 8, 1925. Serial No. 28,947. 7 Claims. (Cl. 137—139.)



1. A gas burner control comprising a solenoid, a core slidable within the solenoid adapted to be attracted thereby, a stem having an aperture therethrough rotatably disposed in a gas line, means providing projections upon the stem, and a pawl carried by said core capable of engaging one of said projections when the solenoid is energized to rotate said stem a predetermined amount, said pawl having a flat side so arranged as to be engaged by a succeeding projection upon the stem so as to serve as a stop for the stem.

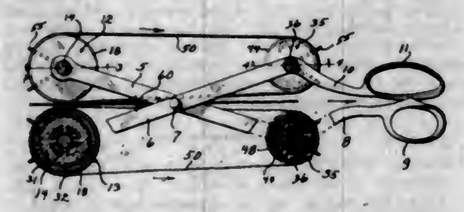
1,629,229. SIGN. EDWARD SHARP, Jr., Brookline, Mass. Filed Feb. 11, 1926. Serial No. 87,655. 1 Claim. (Cl. 40—125.)

A sign for outdoor advertising comprising in combination, a pair of cylindrical metal rods adapted to be driven into the ground in spaced relation to one another, said posts each having pointed lower ends and frusto-conical upper ends, a sign board, and sockets having straight bores open at their lower ends and closed at their upper ends, secured in parallel spaced relation upon the rear face



of the sign board for slidably receiving the upper tapered ends of the rods for detachable supporting of the sign board upon the rods.

1,629,230. GARMENT PRESSER AND CREASER. VIRGIL ARIEL STEVENS, Green Cove Springs, Fla. Filed Sept. 30, 1926. Serial No. 138,798. 8 Claims. (Cl. 68—9.)

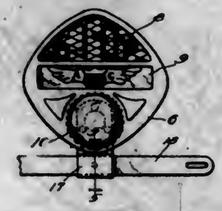


1. In a device of the class described, the combination of a pair of arms pivotally connected intermediate their ends, pressing rollers rotatably carried by the forward end of each arm, tensioning rollers rotatably carried by the rear end of each arm and extending parallel with the pressing rollers, endless belts trained over each pressing roller and the tensioning roller carried by the opposite arm from which the pressing roller is mounted, and means for moving the belts together with their supporting rollers, laterally toward and away from one another.

1,629,231. REAR SIGNAL LIGHT FOR AUTOMOBILES. PAUL A. STOVER, Racine, Wis., assignor to The Stover Signal Engineering Company, Racine, Wis., a Corporation of Delaware. Filed Apr. 4, 1923. Serial No. 629,765. 7 Claims. (Cl. 177—329.)

1. A vehicle signal lamp comprising a casing, a partition dividing said casing into two compartments, a lamp in one of said compartments coacting therewith to constitute a tail light, a lamp in the other compartment actuable to indicate change in velocity of a vehicle, said second lamp coacting with its compartment to constitute a stop light, a translucent lens and an indicia-bearing translucent panel over said tail light compartment, a translucent warning lens over said stop light compartment and a cover for said casing securing said lenses and panel in assembled relation to said casing.

5. A vehicle signal lamp comprising a casing, a removable cover therefor, a partition separating said compartment into two chambers, said cover being provided with two apertures overlying one of said compartments, a tail lamp in said latter compartment capable of constant illumination, a signal lens underlying one of said two apertures and an indicia-bearing translucent panel underlying the other of said apertures, said cover being provided with a third aperture overlying the other of said compartments, a lamp in said last named compartment



capable of temporary illumination and a warning lens underlying said third aperture, said lenses and panel being removable when said cover is removed from said casing and being positioned against removal by said cover when the latter is in assembled relation to said casing.

1,629,232. REAR SIGNAL LIGHT FOR AUTOMOBILES. PAUL A. STOVER, Racine, Wis., assignor to The Stover Signal Engineering Company, Racine, Wis., a Corporation of Delaware. Filed Sept. 8, 1923. Serial No. 661,568. 14 Claims. (Cl. 177—31.4.)

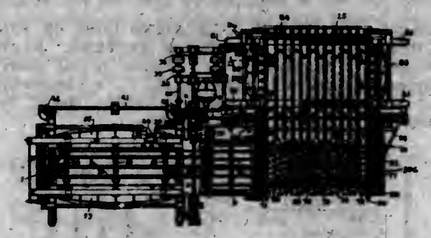


6. A device of the class described, comprising a housing, having an opening, metal strips secured to opposite walls thereof, and said opening in said housing, a transparent panel closing said opening and held by said angularly disposed strips, and a cover having means for securing it to said first named strips, said first and second named strips being secured to said housing by a common means.

13. A vehicle lamp comprising a metal housing having a back wall with an aperture therein, a lamp supporting member having a plurality of lamp receiving openings therein, means for removably securing said supporting member to said wall over said aperture, said member and housing being so shaped as to form a space with which the lamp receiving openings communicate, contact members extending through said aperture into said space, each having a contact portion adjacent a corresponding lamp receiving opening and means for supporting said contact members on and insulating them from said housing.

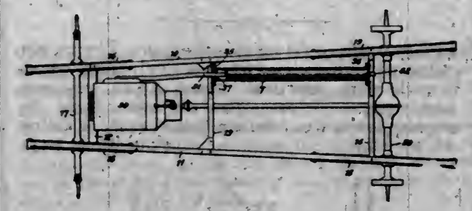
14. A vehicle signal lamp comprising a sheet metal housing open at one side and having an aperture in the bottom thereof, a cover for said open side and a translucent cover for said aperture in the bottom, spring strips having free ends yieldingly engageable with said transparent cover to hold the same in position, angularly disposed fastening strips, said fastening strips and said spring strip being secured to said housing by common fastening means, and means to secure said first named cover to said fastening strips.

1,629,233. AUTOMATIC PLATE AND SHEET TRIMMING AND SQUARING MACHINE. FRANK H. STREINE, New Bremen, Ohio, assignor to The Streine Tool and Manufacturing Company, New Bremen, Ohio, a Corporation of Ohio. Filed Mar. 16, 1925. Serial No. 15,925. 18 Claims. (Cl. 164—48.)



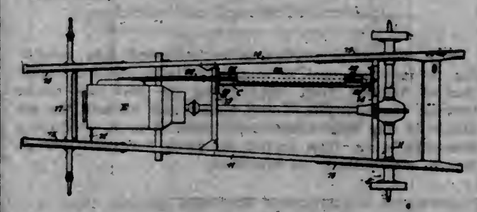
1. In an automatic sheet metal trimming machine, right and left hand shear devices located in horisontally spaced relation, means for feeding the sheet material between the shears and means operated by the moving sheet for discontinuing the operation of the feeding means and causing the operation of the shearing devices.

1,629,234. MOTOR-VEHICLE FRAME. ALFRED T. STURT, Flint, Mich., and WALTER F. PFANDER, Yonkers, N. Y., assignors to Durant Motors Incorporated, a Corporation of Delaware. Filed Apr. 16, 1921. Serial No. 461,847. 4 Claims. (Cl. 280—106.)



1. A motor vehicle frame having longitudinal side members, transverse members secured thereto, and an auxiliary member mounted on said transverse members to resist the twisting stresses exerted on the frame comprising a sheet metal shell of circular cross section having connecting plates welded on each end for securing it to said transverse members.

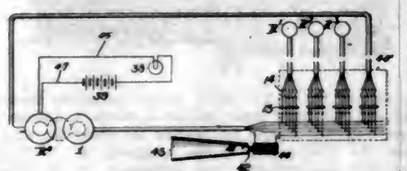
1,629,235. MUFFLER AND MOTOR VEHICLE FRAME. ALFRED T. STURT, Flint, Mich., and WALTER F. PFANDER, Yonkers, N. Y., assignors to Durant Motors Incorporated, a Corporation of Delaware. Filed Jan. 27, 1922. Serial No. 532,199. 6 Claims. (Cl. 280—106.)



1. A combined frame stiffener and muffler comprising an outer elongated shell, a front head, an inner conduit extending through said front head and having a multiplicity of holes formed therein through which the exhaust gases escape to the chamber formed by said outer shell, means for preventing the escape of gas between said conduit and said front head, a rear head having a lip formed

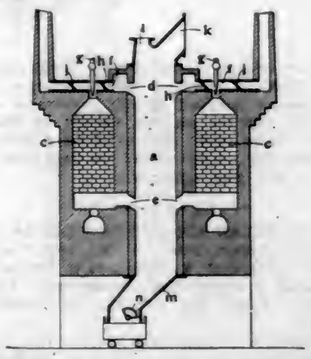
therein through which the exhaust escapes to atmosphere, means for rigidly securing said shell to cross members of a vehicle frame to prevent any relative movement therebetween, and means carried by said rear head for supporting the rear end of said conduit.

1,629,236. MEANS FOR INDICATING LOSS OF SYNCHRONISM IN TRANSMISSION SYSTEMS. ELMER A SPERRY, Brooklyn, N. Y., assignor to the Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 12, 1920. Serial No. 403,049. 7 Claims. (Cl. 177—311.)



5. In a self-synchronous A. C. transmission system, a transmitter, a plurality of repeaters in circuit with said transmitter, circuit-closing means for indicating loss of synchronism between said transmitter and one of said repeaters, said means including a pair of cooperating contacts, means whereby said transmitter actuates one of said contacts, and means whereby another of said repeaters actuates the other of said contacts.

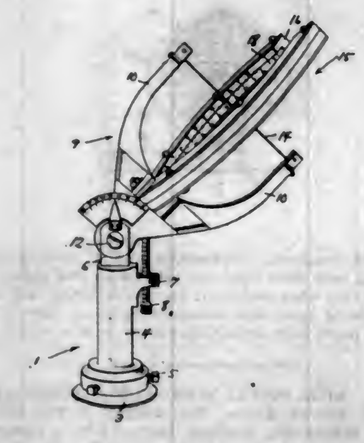
1,629,237. METHOD OF PRODUCING ACTIVATED CARBONACEOUS SUBSTANCES AND THE PRODUCT OF THE METHOD. EDGAR ROUSE SUTCLIFFE, Leigh, England. Filed Jan. 27, 1920, Serial No. 354,468, and in Great Britain Feb. 1, 1919. 4 Claims. (Cl. 252—3.)



1. A method of producing an activated coke consisting in reducing coal to a substantially uniform condition of fineness, then compressing the coal into blocks without the addition of any binder and without the addition of any non-carbonaceous substance, to produce a stone-like block, then coking the block and then activating it, substantially as described.

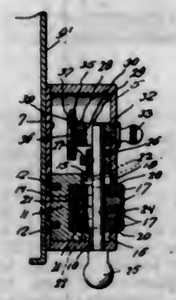
1,629,238. SUN DIAL. SYMPHORIAN TERRAS, Worcester, Mass., assignor to The Trustees of Assumption College, Worcester, Mass. Filed Sept. 7, 1926. Serial No. 134,104. 2 Claims. (Cl. 33—62.)

1. In a sun dial, a base, a standard, a fork adjustably mounted upon a horizontal pivot at the upper end of the standard, the arms of the forks being disposed opposite each other and being swingable in a vertical plane about said pivot, an equinoctial dial structure disposed centrally between and in a plane transverse to the plane of the arms of the fork and secured thereto, said structure including a channel-shaped arcuate fixed part, a rack of a shape corresponding to said part, and mounted



for movement circumferentially in said channel, means for adjusting the rack, both of said parts being provided on their inner surfaces with cooperating graduations, and there being an indicator mounted on and between the free end portions of the fork cooperable with said graduations.

1,629,239. PERMUTATION LOCK. GEORGE M. THOMAS, Wayland, Ky., assignor of one-third to Peter Garzoni and one-third to Joe Grahonia, Wayland, Ky. Filed Oct. 13, 1926. Serial No. 141,377. 7 Claims. (Cl 70—53.)

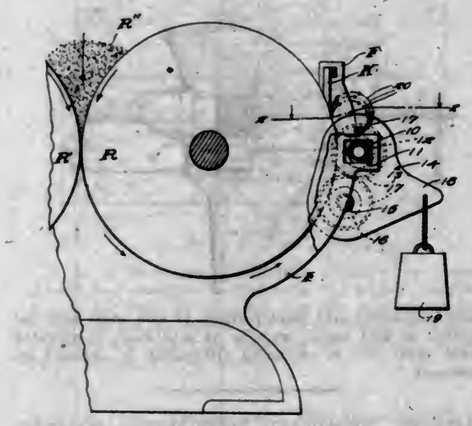


1. In a permutation lock, a plurality of coaxially rotatable discs having registrable oblong openings, one end of each opening being in line with the axis of rotation of the discs at all times, and a stem projecting through the openings, said stem being capable of a rocking motion when the oblong openings are fully registered and prevented from rocking motion when one or more of the openings are out of full registry.

1,629,240. UNLOADING DEVICE FOR RUBBER REFINERS. ROY S. TROWBRIDGE, Butler, N. J. Filed Dec. 21, 1926. Serial No. 156,216. 10 Claims. (Cl. 18—2.)

1. The combination with the sheet forming roll of rubber refining apparatus and the knife for separating

the sheet from the roll, of means adjacent the roll supporting the separated sheet and directing the same toward the surface of the roll at a point adjacent to and

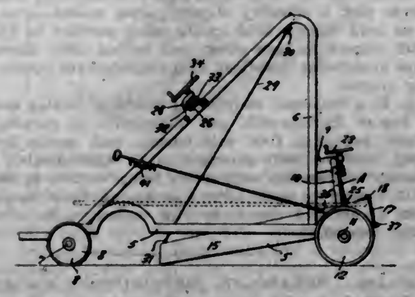


in advance of the knife whereby the rotation of the roll serves to rotate the separated end and form a roll therefrom.

1,629,241. PROCESS OF TREATING FIBERS FOR SPINNING PURPOSES. LEO UBBELOHDE, Karlsruhe, Germany. Filed June 26, 1925. Serial No. 39,868, and in Austria Feb. 23, 1925. 8 Claims. (Cl. 19—66.)

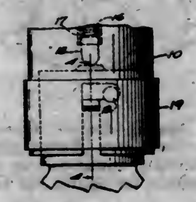
1. The process of treating and increasing the spinning qualities of fibers, which consists in incorporating loose textile fibers with particles, adapted to exert an abrasive action upon the said fibers.

1,629,242. FOUR-WHEELED SCRAPER. ALBERT ROY VAN ALSTINE, Clearwater, Fla. Filed May 24, 1926. Serial No. 111,807. 2 Claims. (Cl. 37—128.)



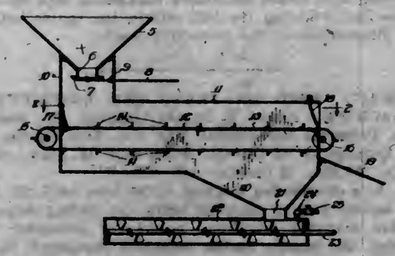
1. A contrivance of the class described including a chassis, a front axle on the chassis, wheels journaled on the ends of the front axle, a super-structure rising from the chassis, a rear axle having an intermediate inverted U-shaped portion journaled on the rear of the super-structure, wheels journaled on the ends of the rear axle, a scoop having guides fixed thereto slidable on the arms of the intermediate portion of the rear axle, means for raising and lowering the rear end of the scoop, a shaft journaled on the superstructure, pulleys mounted at the top of the super-structure, cables windable on the shaft and trained over the pulleys and fixed to the forward end of the scoop, means for rotating the shaft, eyes provided on the rear wall of the scoop, means for hinging the rear wall of the scoop at the top thereof, a cable anchored to one side of the scoop trained through the eyes of the rear wall, a rod attached to the last mentioned cable and having a plurality of notches in one end thereof, and a pin on the super-structure for engagement by the notches to hold the rear wall in a closed position.

1,629,243. LAMP SOCKET. OTTO WEST, Cleveland, Ohio, assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Apr. 27, 1925. Serial No. 25,988. 6 Claims. (Cl. 173—356.)



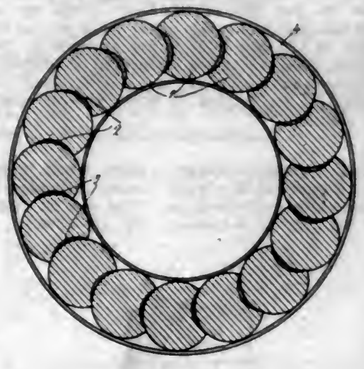
1. In a lamp socket, in combination, a cylindrical shell having bayonet slots adapted to receive the laterally extending pins of an electric lamp base, and a sleeve slidably carried on the shell and having two positions in one of which the lamp base may be inserted or removed freely and in the other of which the lamp cannot be removed, the sleeve having the device movable into and out of the path of movement of one of the pins as the sleeve is slid along the shell.

1,629,244. DUST RECEIVER. FREDERICK H. WILLCOX, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a Corporation of Maine. Filed May 16, 1921. Serial No. 470,214. 2 Claims. (Cl. 209—10.)



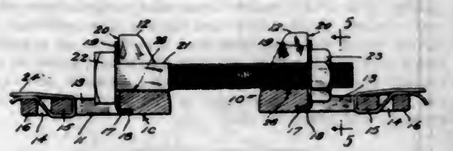
1. Dust treating apparatus comprising a substantially closed chamber adapted to be located below the discharge opening of a dust catcher, a plate located in said chamber below said opening, a grizzly located in prolongation of the plate, a drag conveyor associated with the plate and grizzly and adapted to move material deposited in said plate over said grizzly, a hopper below said grizzly, and a plug mill located at the lower end of said hopper.

1,629,245. SECTION FOR STOVES OR THE LIKE. GUSTAF ALBERT ARONSON, Stockholm, Sweden. Filed May 3, 1926, Serial No. 106,250, and in Sweden Jan. 26, 1925. 2 Claims. (Cl. 126—144.)



1. A ceramic heating furnace formed of individual superimposed sections, each thereof comprising vertical juxtaposed substantially round bars of ceramic material, and a binding medium for uniting one bar to another.

1,629,246. CLAMP. JOHN ARRINGTON, Seattle, Wash. Filed Nov. 13, 1926. Serial No. 148,189. 3 Claims. (Cl. 24—19.)

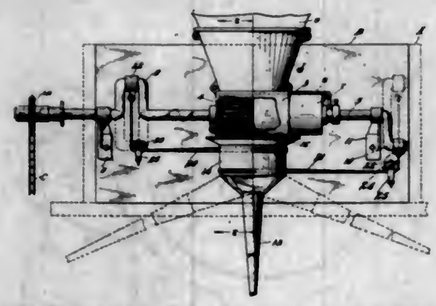


1 A clamp comprising a band of flexible material, a head piece secured to each end of the band, each of said head pieces having a base element and a bifurcated post element disposed in substantially rectangular relation to each other, a headed screw bolt, a nut therefor, and devices provided with apertures to receive the bolt and provided with means detachably engageable with the head pieces for retaining the bolt within the spaces between the bifurcations of the respective posts.

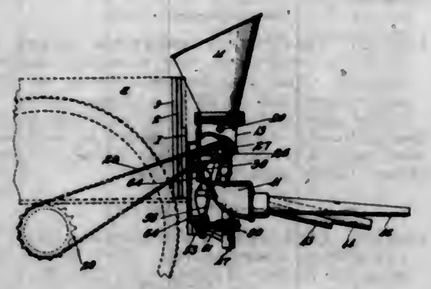
1,629,247. SEED OR FERTILIZER DISTRIBUTING MACHINE. JAMES G. BAILEY, Delevan, Ill., assignor to Universal Broadcaster Mfg. Co., East Peoria, Ill., a Corporation of Illinois. Filed Sept. 13, 1924. Serial No. 737,461. 3 Claims. (Cl. 275—7.)

1. In a distributing machine of the type set forth, feeding means, a spout disposed below the feeding means to receive material therefrom, means for swingably supporting the spout, flexible members connected to the spout and extending in opposite directions therefrom, means to operate the feeding means, and means to connect the flexible members to said operating means, whereby upon movement of the operating means, one of the flexible members will positively swing the spout in one direction, while the other flexible member idles, and vice versa.

3. In a distributing machine of the character described, in combination, an end-gate, a feeding means supported by said end-gate, a spout swingably supported on said end-gate and having a receiving casing immediately below the feeding means, a shaft for operating said feeding means and provided with crank-portions diametrically positioned with respect to each other, and flexible members connecting said crank-portions of said shaft with the casing of said spout, whereby as said shaft is operated said spout will be oscillated alternately in opposite directions.



1,629,248. BROADCAST DISTRIBUTING MACHINE. JAMES G. BAILEY, Delevan, Ill., assignor to Universal Broadcaster Mfg. Co., East Peoria, Ill., a Corporation of Illinois. Filed Dec. 31, 1925. Serial No. 78,561. 3 Claims. (Cl. 275—7.)

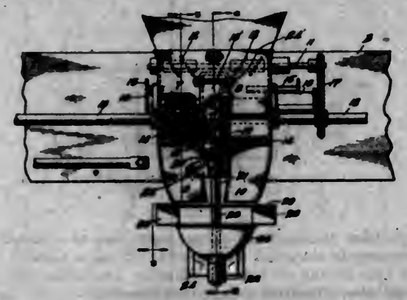


1. In a broadcast distributing machine, in combination, feeding means, a hopper supported beneath the feeding means and a plurality of distributing spouts extending from said hopper, said spouts being variable in length with respect to each other, and having their discharge ends at different elevations with respect to the surface being treated.

3. In a broadcast distributing machine, feeding means, a hopper therebeneath, and a plurality of distributing spouts extending from said hopper, said spouts having their receiving ends arranged in an approximately triangular relationship, said spouts being variable in length with respect to each other and having their discharge ends at different elevations with respect to the surface being treated.

1,629,249. BROADCAST DISTRIBUTING MACHINE. JAMES G. BAILEY, Delevan, Ill., assignor to Universal Broadcaster Mfg. Co., East Peoria, Ill., a Corporation of Illinois. Filed Apr. 12, 1926. Serial No. 101,263. 3 Claims. (Cl. 275—13.)

1. In a broadcast distributing machine for distributing grains and seeds, or lime or phosphate, or the like, a wagon end gate, distributing means on the end gate, a material receiving hopper on the end gate disposed over the distributing means, and means to movably mount the wall of the hopper which confronts the source of supply, whereby upon movement of the wall, phosphate or lime, or the like may be shoveled into the hopper and past the end gate in substantially a horizontal plane.

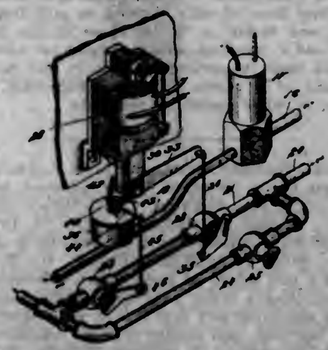


3. In a broadcast distributing machine, a hopper, spaced feed channels leading from the hopper, distributing means receiving material from the channels, driving mechanism for the distributing means located between the channels, and means for inclosing the remaining exposed parts of the driving mechanism.

1,629,250. PRODUCTION AND UTILIZATION OF DICHROIC INKS. CHARLES BITTINGER, Duxbury, Mass. Filed Jan. 3, 1925. Serial No. 465. 10 Claims. (Cl. 134—28.)

9. The process of producing color effects including the step of applying to the background a composition embodying a dye and a pigment, which is capable of changing its color under manipulation, and manipulating the composition to produce such a color change.

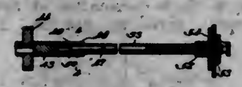
1,629,251. GAS CONTROL FOR OIL BURNERS. HAROLD S. BLAKE, Attleboro, Mass. Filed Aug. 4, 1926. Serial No. 127,047. 8 Claims. (Cl. 158—28.)



1. In a liquid fuel burner, an electric circuit, separately actuated means in the circuit for supplying air and oil to the burner, main and auxiliary conduits for supplying gas for fuel ignition, a normally closed and a normally open valve in said main, electromagnetic means for first opening said closed valve, and a resistance unit interposed between said open valve and said electromagnetic means for controlling a subsequent closing of this second valve after a predetermined open period.

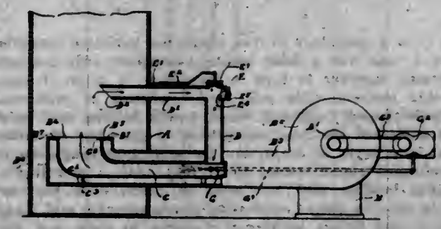
1,629,252. SYNCHRONIZING MECHANISM FOR TALKING AND MOTION-PICTURE MACHINES. VICENTE BOUZA, Highland Park, Mich. Filed May 21, 1923, Serial No. 640,386. Renewed Jan. 6, 1927. 2 Claims. (Cl. 64—90.)

1. In combination with a pair of devices to be operated in unison, a common drive means for said devices, and synchronizing means therefor including a pair of shafts alined with one another, one of said shafts being hollow and the other projecting thereinto, a rod slidable in



the last named shaft, a pin on said rod engaging in a spiral slot entered into the hollow shaft from the end thereof, and a screw engaged with said rod for moving it longitudinally in the said shaft.

1,629,253. MEANS FOR CONTROLLING THE COMBUSTION OF HYDROCARBONS. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 9, 1926. Serial No. 147,218. 10 Claims. (Cl. 158—5.)



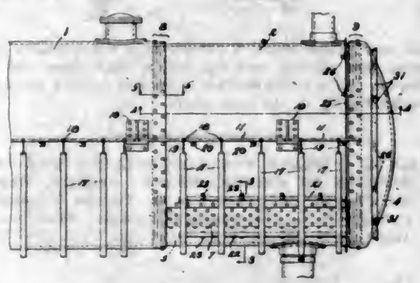
9. In a heating device a combustion chamber, an air inlet passage in communication therewith, a return connection adapted to direct a return circuit of exhaust gases into the stream of inflowing air, a fuel inlet member, an inlet opening in communication with said air inlet passage, control means for said air inlet passage and for said return connection adapted, at the initiation of combustion, to permit the flow of a minimum of exhaust gases and a maximum of air, adapted automatically to decrease the flow of air to a predetermined minimum and increase the return circuit of exhaust gases to a predetermined maximum after a predetermined period of combustion.

1,629,254. FLAME ARC LAMP WITH INCLOSED ARC. TITO LIVIO CARBONE, deceased, late of Berlin, Germany; by Ernst Mommsen, executor, Charlottenburg, Germany. Filed Nov. 25, 1922, Serial No. 603,358, and in Germany Apr. 24, 1922. 2 Claims. (Cl. 176—52.)



1. A globe for arc-lamps of the inclosed arc type comprising in combination a substantially tubular part of glass, the upper part of which incloses the arc, a deposit-condensing chamber located at the upper end of the said tubular part and formed in the same piece with and as an integral enlargement of the said tubular part, the said chamber having an annular bottom, and a jacket surrounding the arc-inclosing portion of the said tubular part, the said jacket contacting at its upper edge with the annular bottom of the said chamber and at its lower edge fitting closely around the said tubular part, substantially as described.

1,629,255. INSULATION CONSTRUCTION FOR CONTAINERS. JOHN S. CARROLL, Yonkers, N. Y., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1923. Serial No. 683,239. 2 Claims. (Cl. 154—44.)



1. In a container of the character indicated comprising a body and a head having overlapped edge portions secured together to form a plate-joint, a layer of insulating material over said head consisting of preformed pieces shaped to fit said head, means holding said layer in place on the head comprising a plurality of radial bands, a layer of insulation on said body consisting of preformed pieces shaped to fit said body, a plurality of bands holding said body-layer in place, each provided with take-up means, insulating pieces covering said plate-joint, and means holding said pieces in place and permitting ready removal thereof without disturbing the insulation either of the body layer or the head layer.

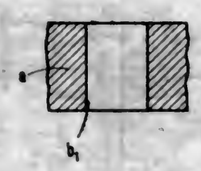
1,629,256. PLAYING CARDS. FLORENCE COHEN, Liverpool, England. Filed Nov. 28, 1925. Serial No. 71,936. 4 Claims. (Cl. 273—152.)



1. A pack of whist cards in which the pips are displayed on a black background which is the same for each suit and are so coloured that the pips of each suit can be distinguished from the pips of any other suit by means other than external shape.

1,629,257. PROCESS OF MANUFACTURING BLANK MOVEMENTS OF WATCHES. HENRI COLOMB, Tavannes, Switzerland. Filed Aug. 11, 1924, Serial No. 731,536, and in Switzerland Feb. 1, 1924. 8 Claims. (Cl. 29—177.)

1. The herein described process of preparing a part of the frame of a watch movement which comprises the following steps: forming a working hole in said part of a diameter larger than that of the working portion of the fastening member designed to be ultimately placed therein; using said hole as a work hole for adjusting said part



in position in machines to the operation of which it is subsequently subjected and, finally, forcing a bushing into said hole having an internal diameter approximately that of the above mentioned fastening member.

1,629,258. AMUSEMENT HOUSE. HOLLIS C. CONRAD, Beaver Falls, Pa. Filed Feb. 5, 1924. Serial No. 690,762. 5 Claims. (Cl. 272—2.)



1. The combination with an amusement house having an inclined floor, of seats disposed on said floor, parallel thereto and facing in the direction of the inclination thereof and a circuitous passage through the house formed by hand rails in parallel relation to the floor within the reach of a person passing through the circuitous passage, or while seated on the seats.

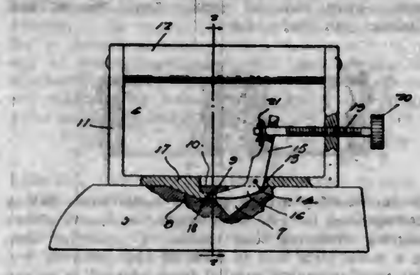
1,629,259. WATERPROOF ABRASIVE FABRIC. FRANK JOSEPH CRUPI, Brooklyn, N. Y., assignor to Herman Behr & Co., Inc., Brooklyn, N. Y., a Corporation of New York. Original application filed Feb. 19, 1924, Serial No. 693,903. Divided and this application filed Aug. 25, 1926. Serial No. 131,538. 2 Claims. (Cl. 51—279.)

1. As a new article of manufacture a sandpaper product comprising a fabric base and abrasive material adhesively associated with said base by waterproof cellulosic coating material, said coating material containing a filler and also an emollient to maintain flexibility in the filler and the associated cellulosic material.

1,629,260. FLATIRON HANDLE. JAMES W. CUSTER, Westernport, Md. Filed Oct. 28, 1926. Serial No. 144,751. 1 Claim. (Cl. 68—26.)

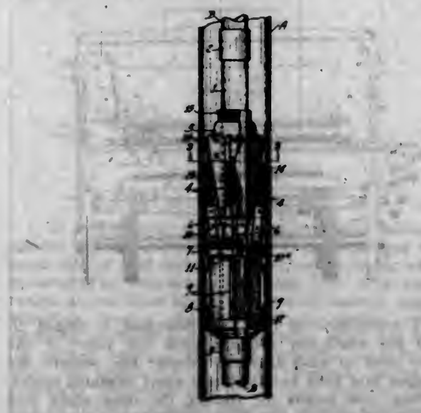
In a flat iron of the class described, a base having a pocket and a socket formed in the top side thereof, said base being further provided with a passage to afford communication between the pocket and the socket, a web extending transversely across said passage, a handle for arrangement upon the base, rigid means upon the handle for engagement within said socket and within the passage and beneath one edge of the web, a dog pivoted to the handle and having a locking nose for disposition within the pocket and for engagement beneath the opposite edge of the web for locking the handle to the base, means at

the rear of the handle for actuating the dog for moving the same to a locking or unlocking position, said last mentioned means comprising a threaded bolt extending



through the rear side portion of the handle, an actuating knob on the outer end of said bolt, the inner end of the bolt being connected to said dog.

1,629,261. AUTOMATIC CATCHING DEVICE FOR WELL TUBING. STEPHEN V. DILLON, Tulsa, Okla. Filed Feb. 8, 1926. Serial No. 86,846. 14 Claims. (Cl. 103—219.)



1. A catching device for well tubing, comprising a guide that forms a section of the tubing, an actuating member adapted to move logitudinally of said guide, gripping jaws adapted to be forced against the casing by said actuating member, means on said guide for sustaining said actuating member and jaws during the operation of introducing the device into the well, constructed so that a sudden drop of the tubing causes said actuating member to force the jaws against the casing, and an independent means that is inoperative when the device is being introduced into the well, constructed so as to temporarily sustain said jaws and prevent them from moving longitudinally with the actuating member when said actuating member is being operated to set the device.

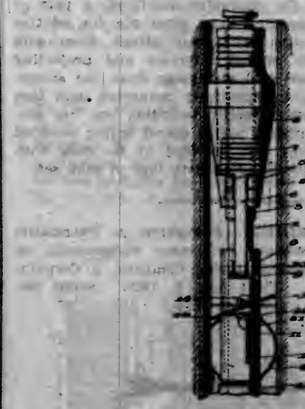
1,629,262. CATCHING DEVICE FOR WELL TUBING. STEPHEN V. DILLON, Tulsa, Okla. Filed Mar. 27, 1926. Serial No. 97,919. 15 Claims. (Cl. 103—219.)

1. A catching device for well tubing, comprising gripping jaws, an actuating member for said jaws slidably axially on the tubing, a friction means adapted to act on the casing or side wall of the well for normally holding said jaws in such a condition that a sudden downward movement of the tubing during the operation of introducing the device into the well will cause said actuating member to force the gripping jaws tightly against the casing, and an independent means that is adapted to be operated after the device has reached the



desired position in the well for causing the actuating member to normally hold the gripping jaws in gripping contact with the well casing.

1,629,263. CATCHING DEVICE FOR WELL TUBING. STEPHEN V. DILLON, Tulsa, Okla. Filed Jan. 19, 1927. Serial No. 162,044. 10 Claims. (Cl. 103—219.)

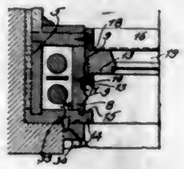


1. The combination with a well having tubing arranged therein, of a tubing catcher mounted on the tubing and including a wedge block, a slip assembly and means for retarding the downward movement of the slip assembly when the latter descends in the well beyond a predetermined speed, said retarding means normally assuming a position in which it is out of contact with the wall of the well and functioning under the influence of fluid pressure, and being partially retarded by friction exerted by contact with the wall of the well upon an abrupt drop of the tube.

1,629,264. WINDOW CONSTRUCTION. ALBERT ENTENMAN, Brooklyn, N. Y. Filed May 25, 1926. Serial No. 111,518. 2 Claims. (Cl. 20—52.4.)

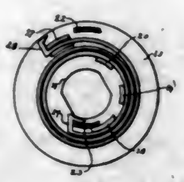
1. In a window construction, a frame, parting strips secured to the opposite sides of the frame, vertically

sliding sashes mounted in the frame at each side of the parting strips, each side of the frame on opposite sides of the parting strip being provided with spaced vertically



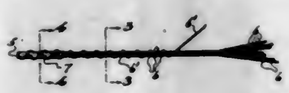
extending beads of semi-circular form in cross section with which the respective sashes have sliding bearing contact.

1,629,265. STABILIZING DEVICE. ARNO A. EWALD, Oakfield, Wis. Filed Nov. 19, 1921. Serial No. 516,499. 3 Claims. (Cl. 16—180.)



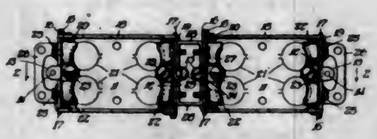
1. In a device of the character described, a pair of stampings axially connected by a pivot pin for relative rotation, in combination with lugs struck from said stampings at radially spaced intervals and projecting into the space between said stampings from the stampings to which they are respectively connected, said lugs being arranged in sets normally including one lug connected with each stamping, and a spiral spring confined between said stampings and provided at its ends with hook elements normally engaging both lugs of each set.

1,629,266. FUSE MEDIUM. FREDERICK A. FELDKAMP, Newark, N. J., assignor, by mesne assignments, to Economy Fuse & Manufacturing Company, a Corporation of New York. Filed Apr. 4, 1923. Serial No. 629,808. 1 Claim. (Cl. 200—135.)



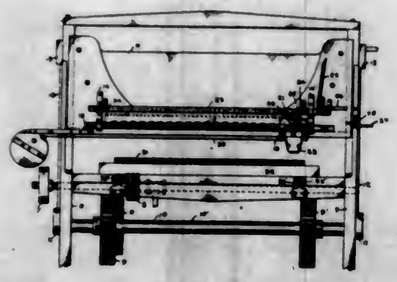
An electric fuse medium comprising a main element consisting of a plurality of comparatively fine metallic wires of high specific conductivity and comparatively high melting point disposed in longitudinally grouped arrangement, said main element having in enveloping relationship therewith a body of metallic material which under normal temperature is inactive and under higher temperature combines with the metal of said wires to form therewith an alloy of lower melting point, said wires being arranged to form pockets for said body of metallic material, whereby the net effect of surface tension under conditions of fusion is relatively great, said coating being so intimately associated with said fine metallic wires that upon the attainment of said higher temperature a comparatively high proportion of said enveloping metal combines with said metallic wires to form said alloy.

1,629,267. OUTLET-BOX CONNECTION. ALBERT C. FISCHER, Chicago, Ill., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1923. Serial No. 677,543. 2 Claims. (Cl. 247—15.)



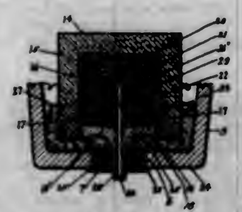
1. In combination with a pair of outlet boxes having threaded openings in their sides adapted to receive screws for securing attaching lugs thereto, a connecter comprising a metal strip bent to form an approximately rectangular member having parallel faces adapted to engage the adjacent faces of the outlet boxes and having threaded openings adapted to register with the lug attaching threaded openings in the boxes to receive screws to secure the connecter to the boxes.

1,629,268. DIE PRESS. HARRY GREENBERG, Brooklyn, N. Y. Filed Jan. 16, 1924. Serial No. 686,502. 5 Claims. (Cl. 164—23.)



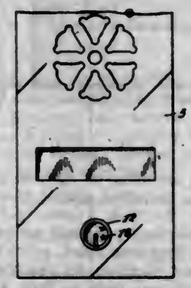
1. In a machine of the class described, a hinged U-shaped bar resiliently retained upon the front of the plunger head of said machine, another bar beneath the same upon said head having spaced apart engaging means, a carriage and means for feeding the same along said other bar and beneath said first mentioned bar, and means in combination with said carriage adapted to be operated by said first mentioned bar for engaging and disengaging said engaging means, and in combination with said first mentioned bar, means for operating the same with each movement of said plunger head.

1,629,269. WATER FILTER. VIRGIL B. HAGG, West Hollywood, Calif. Filed Oct. 7, 1925. Serial No. 61,007. 3 Claims. (Cl. 210—31.)



1. A filter comprising a water receptacle, a filter element within said receptacle in position to be entirely surrounded by the water therein, said filter element comprising an outer wall of porous stone and having an internal chamber separated from said receptacle by said outer wall, a body of granular purifying material in said chamber, an inverted thimble of porous mineral material in the central portion of said chamber and having a central passage opening downwardly to permit exit of water therethrough, the lower portion of said thimble being more finely porous than the upper portion, and means below said filter element for receiving the water passing therethrough.

1,629,270. LOCK-ATTACHING MEANS. SAMUEL HAMMER, Brooklyn, N. Y., assignor to United Metal Box Co. Inc., Long Island City, N. Y., a Corporation of New York. Filed July 13, 1926. Serial No. 122,089. 5 Claims. (Cl. 70—16.)



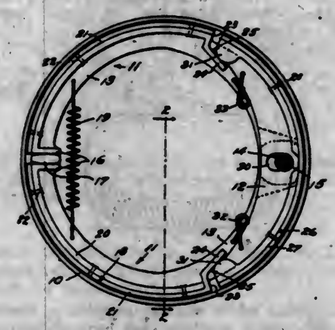
1. In combination with a closure member having an opening therein, a lock attaching element secured to the inner side of said closure member, said opening adapted to receive an outwardly projecting part of a lock arranged at the inner side of the closure member, and said attaching element and the lock case having coacting relatively yieldable means to yieldably retain the lock in its applied position, and said yieldable means yielding upon the application of inward pressure against said outwardly projecting part of the lock whereby the lock may be forcibly detached from the closure member.

1,629,271. POST CONNECTION FOR VEHICLE BODIES. LEO I. HEINTZ, Philadelphia, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1926. Serial No. 83,954. 1 Claim. (Cl. 296—20.)



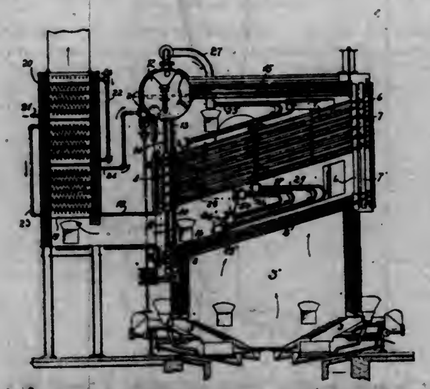
A bracket of the character described, comprising a base portion and a portion extending at right angles to the plane of the base portion, said bracket consisting of an integral piece of sheet metal and said extending portion being channel-shaped in cross-section and having substantially straight, flat outside surfaces adapted to lie flat against the interior of a sheet metal post portion, fitted closely about the vertical portion and embracing the edges thereof.

1,629,272. BRAKE. WILLIAM A. HUPPRICH, Seattle, Wash. Filed June 1, 1925. Serial No. 33,962. 4 Claims. (Cl. 188—78.)



1. In a brake, the combination of a drum, a fixed pin, a pair of brake members pivotally connected at one end of each to the pin, said members having intermediate their lengths inclined shoulder elements, a brake shoe slidable on the brake members and having its ends in engaged relation with the respective shoulder elements, springs tending to retract said shoe and members from the drum, and a cam for actuating the brake members to effect the setting of the same and the shoe.

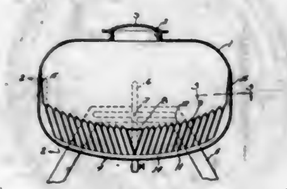
1,629,273. BOILER. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Original application filed Apr. 15, 1919, Serial No. 290,180. Divided and this application filed Nov. 18, 1920. Serial No. 424,856. 3 Claims. (Cl. 122—421.)



1. In combination, a flue having a vertical portion through which the heating gases from the boiler pass upwardly, an economiser having a plurality of sections located in said flue, each section comprising a plurality of rows of substantially horizontal tubes spaced uniformly from side to side of the flue through which the water

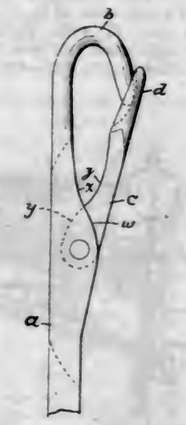
and any contained gases flow back and forth, first flowing in parallel through the lowermost row of tubes of each section and then back and forth in parallel through successive rows until it is discharged from the uppermost row of tubes of each section, and connections for causing the entire amount of feed water to flow first through the uppermost section and successively through the other sections and into the boiler.

1,629,274. TILTING WASHER. HARRY F. KEIFFER, Perrysburg, Ohio. Filed Feb. 18, 1926. Serial No. 89,067. 6 Claims. (Cl. 68—21.)



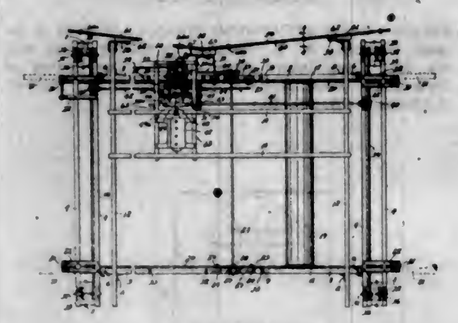
3. In a tilting fabric washing machine, a container, a plurality of cellular members each having a plurality of cells formed with open lower ends spaced from the bottom of said container thereby providing a channel and having openings in the upper ends of the cells, the cells being inclined in different directions from the center of the container, and a spacer member disposed between said differently inclined cellular members.

1,629,275. LATCH NEEDLE. EDWARD C. KENNEDY, Newark, Del., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Mar. 30, 1925. Serial No. 19,270. 6 Claims. (Cl. 66—121.)



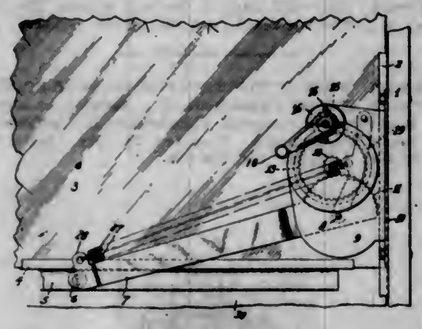
6. A latch knitting needle comprising a shank formed with a latch pivoting supporting portion and having an extension with a hooked end, a pivoted hook closing latch secured to said latch supporting portion of the shank and adapted to provide a substantially straight line loop escape guide, the inner face of the shank adjacent the intersection thereof in the inner face of the latch having a concavo-convex contour, and the inner face of the latch immediately above and below its point of intersection with the inner face of the shank being concave in contour whereby when the latch is closed, a relatively wide free yarn space between the latch and shank is formed.

1,629,276. CONCRETE-PAVEMENT-FINISHING MACHINE. ORIN L. KIPP, St. Paul, Minn. Filed Apr. 16, 1923, Serial No. 632,188. Renewed Apr. 4, 1927. 6 Claims. (Cl. 94—48.)



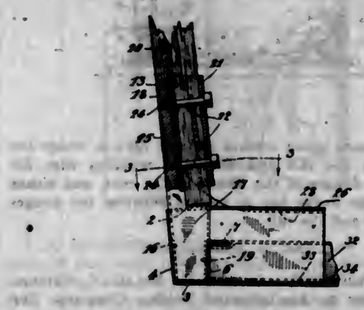
1. A machine for operating on concrete and other roads comprising a frame including spaced members extending transversely across the road, a roller for acting on the road movable longitudinally in said members across the road, means for moving said roller, guide means for said roller carried by said members for causing said roller to travel in a non-rectilinear path to form a crowned road surface, and means for adjusting said last mentioned means to vary the path of said roller to give different crown surfaces to said road.

1,629,277. WINDOW REGULATOR. EMIL KOSS, Tuckahoe, N. Y., assignor, by mesne assignments, to Perfect Window Regulator Corporation, New York, N. Y., a Corporation of Delaware. Filed May 17, 1923. Serial No. 639,630. 18 Claims. (Cl. 192—8.)



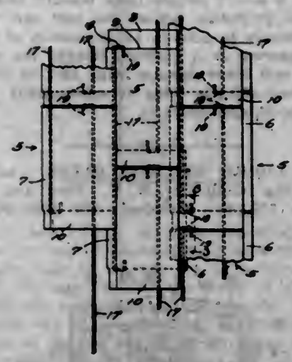
5. In combination, a fixed cylindrical sleeve, a spring member normally expanded into frictional engagement therewith, and including inwardly extended engagement fingers, a rotatable hub, said hub being provided with an opening loosely receiving said fingers and having limited rotative movement relatively to said spring member, an operated member provided with an extension positioned within said opening and between said fingers and having limited rotative movement relatively to said spring member.

1,629,278. POST CONNECTION FOR VEHICLE BODIES. ALBERT L. LAMBERT, Philadelphia, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 27, 1925. Serial No. 25,968. 5 Claims. (Cl. 296—29.)



1. A post connecting member of the character described, comprising two complementary sections, each having post engaging wall portions, and having adjacent inwardly directed portions forming an exterior recess between said wall portions, said sections having at said recess overlapping portions secured together.

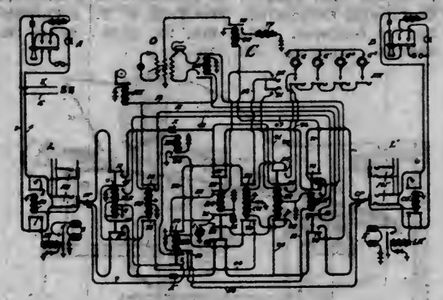
1,629,279. BUILDING BLOCK. WILLIAM E. LEMLEY, Taylor, Wash. Filed May 5, 1925. Serial No. 28,048. 3 Claims. (Cl. 72—51.)



3. In a wall section of the character described, a plurality of blocks arranged in rows and having inter-engaging ends and side edges, a tie-rod independently connecting each block with the next adjacent block at one end thereof, and a further tie-rod independently connecting the same block with the next adjacent block at the other end thereof, each tie-rod being extended through and having its ends anchored at the outer ends of a pair of adjacent blocks.

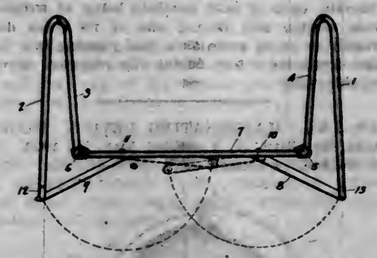
1,629,280. TELEPHONE SYSTEM. ELMER W. LINCOLN, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 16, 1922. Serial No. 588,549. 12 Claims. (Cl. 179—35.)

11. In a telephone system including subscribers' telephone lines, link circuits for interconnecting said telephone lines in conversational circuit, automatic means operable to control contacts to complete a connection and for maintaining the same during conversation, said means also operable to disassociate a connected link circuit and



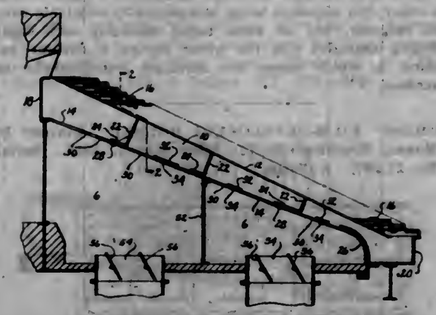
a calling and called subscriber's line when said subscribers are on different lines but inoperable if said subscribers are on the same line.

1,629,281. SWING STAND. BENJAMIN F. LINDSLEY, Mansfield, Ohio. Filed Apr. 23, 1926. Serial No. 104,120. 4 Claims. (Cl. 5—129.)



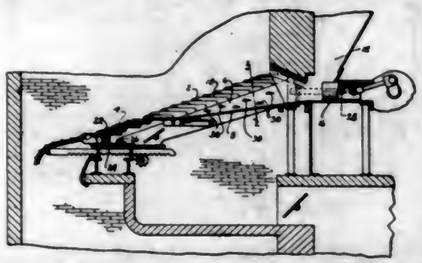
1. In a foldable stand for swings and the like, a pair of tubular standards which are provided with spaced apart integral leg members, a tubular floor member, elbow sockets attached to the floor member and adapted to receive one leg of each standard, brace rods pivoted to the floor member and adapted to be connected at their free ends to the other legs of the tubular standards.

1,629,282. UNDERFEED STOKER. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1923. Serial No. 633,095. 8 Claims. (Cl. 110—44.)



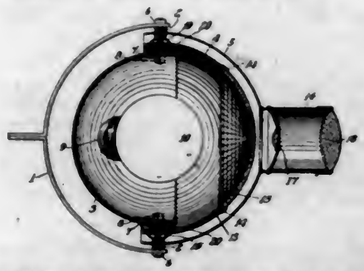
1. An underfeed stoker having, in combination, a plurality of downwardly inclined fuel retorts and tuyère boxes alternately arranged, the tuyère boxes having fuel supporting tuyères, and means for relatively varying the supply of air to different groups of tuyères of one tuyère box independently of the other tuyère boxes.

1,629,283. UNDERFEED STOKER. EDWIN LUNDGREN, Frederick, Md., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 23, 1924. Serial No. 694,484. 3 Claims. (Cl. 110—44.)



1. A furnace having, in combination, a downwardly and rearwardly inclined retort having side walls longitudinally movable, means for reciprocating said side walls longitudinally and for feeding fuel into the forward end of the retort, and members carried by said side walls and extending transversely of the retort for acting on the fuel therein, each of said members being of wedge-shape in cross section and having one of its faces directed rearwardly so as to serve as a fuel pushing face to feed the fuel down the retort during the rearward movement of the side walls.

1,629,284. ILLUMINATING DEVICE. ELLIOTT B. MABEE, Brooklyn, N. Y. Filed Mar. 18, 1924. Serial No. 699,985. 4 Claims. (Cl. 240—41.)



2. A device of the character described having three substantially hemispherical members spaced from each other, one of said members being a reflector and having an opening in its wall for fastening therein a light source, the other two members being independently rotatable over said reflector, one of them being equipped with light diffusing material and the other having a tubular extension in which lenses are mounted, substantially as described.

1,629,285. FILM-DEVELOPING HOLDER. ELLIOTT B. MABEE, Brooklyn, N. Y. Filed Apr. 7, 1925. Serial No. 21,267. 5 Claims. (Cl. 95—100.)



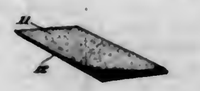
1. In a metal film developing holder, the combination of a frame having a plurality of openings therein, metallic means attached to the frame adjacent each of said openings for firmly holding films therein in a flat position while they are being developed, fixed, washed and dried.

1,629,286. REMOTE-CONTROL DEVICE FOR RAILROAD CARS. JOHN MCCALLUM, Walbridge, Ohio. Filed July 15, 1925. Serial No. 43,686. 5 Claims. (Cl. 188—62.)



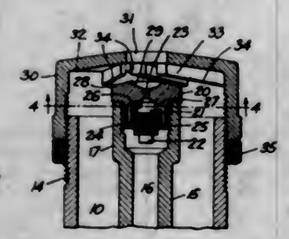
2. In a remote speed control for rail cars, a wedge bar located along the rail and having a wedging edge for engaging the flanges of the wheels of the cars, and means for raising the wedge bar to engage between the flanges of the wheels and the rail.

1,629,287. ROOFING. SEATON K. MILLIGAN, Chicago, Ill., assignor to Amalgamated Roofing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 18, 1924, Serial No. 744,377. Renewed Dec. 24, 1926. 6 Claims. (Cl. 108—8.)



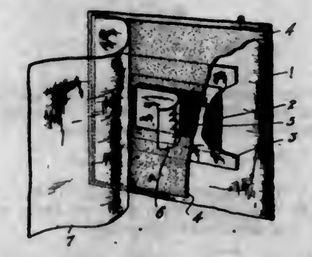
2. A roof comprising a plurality of overlapping courses of shingles, the shingles of each course covering the joints between the adjacent shingles of the next lower course, and a second shingle lying beneath each of said shingles and projecting beyond the butt end thereof a sufficient distance to produce an impression of thickness but not appearing as a separate shingle, the projecting portions of said lower shingles being dark in color, each of said second shingles being of substantially the same width as the shingle above it.

1,629,288. LIQUID AND GAS MIXER. ALBERT W. MORSE, Long Island City, N. Y. Filed Aug. 2, 1924. Serial No. 729,780. 2 Claims. (Cl. 158—76.)



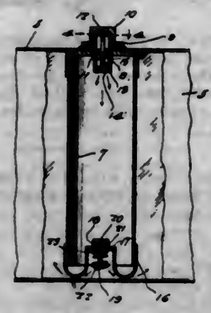
1. In a liquid and gas mixer having a discharge opening, a nebulizer adapted to discharge a liquid from an outlet in form of a spray by tangential admission into a swirl chamber within it, an adjustable cap defining the said discharge opening, forming a gas passage surrounding the nebulizer adjacent its outlet, the said cap having vanes adjacent its discharge opening tangentially disposed with respect to the said spray for the purpose of directing a gas against the outside of the spray, the said vanes being in spaced adjustable relation to the said nebulizer for the purpose of admitting simultaneously a gas into the center of the spray.

1,629,289. TIRE PATCH. ELSIE A. MUELLER, Chestertown, N. Y., and CHARLES C. MUELLER, Jr., Newark, N. J. Filed Jan. 23, 1926. Serial No. 83,268. 5 Claims. (Cl. 152—26.)



3. A tire patch comprising a base layer of fabric, a layer of frictioned fabric arranged upon one side of said base layer, a layer of uncured rubber gum of less area than and substantially centrally between said layers of fabric, and a second layer of uncured gum of less area than the first-mentioned layer of uncured gum and disposed substantially centrally upon the exposed side of said layer of frictioned fabric.

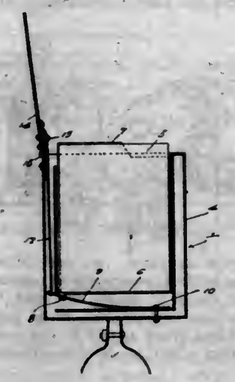
1,629,290. LIFE BELT. LEO MULLEN and JOSEPH JACKEVICH, Collingdale, Pa. Filed Feb. 7, 1927. Serial No. 166,438. 1 Claim. (Cl. 9—19.)



In a life belt of the character described, a flexible non-elastic air bag of predetermined diameter, means at the opposite ends of the bag for permitting of the securing of the same around the waist of a wearer, a compressed air tank arranged within the bag, means in the upper end of the container extending through the upper edge of the bag for normally closing the interior of the container to the atmosphere but to permit the injection of compressed air into the container, an inwardly directed socket within the lower end of the container having air escape openings in its inner end, a valve stem slidably disposed within a central opening in the inner wall of said socket, a head upon the inner end of the pin, a washer upon the inner face of the head for engagement over the air discharge openings, a finger button upon the outer end of the pin whereby the head may be forced inwardly of the openings to permit the passage of the air therethrough into the bag and an expansible coil spring surrounding the pin between the head and the inner wall of said socket for normally maintaining the valve closed.

1,629,291. AUTOMOBILE MEMO. A HENRY MUSCATE, Manitou, Colo. Filed July 16, 1926. Serial No. 122,903. 2 Claims. (Cl. 40—10.)

1. In a structure of the class described, a casing open at one end, a follower plate in said casing including a shelf upon which a pad is adapted to be supported, a tongue carried by the shelf equipped end of the follower plate, a spring arm anchored at one end to said casing and having its opposite end cooperable with said tongue, a hingedly mounted closure plate for the open end of the casing, and a connection between the closure plate and free end of the spring arm for sliding said follower plate in opposite directions.



1,629,292. METHOD OF AND APPARATUS FOR MAKING CEMENT-LINED PIPE. REEVES J. NEWSOM, Lynn, Mass. Filed Nov. 1, 1926. Serial No. 145,451. 8 Claims. (Cl. 25—38.)



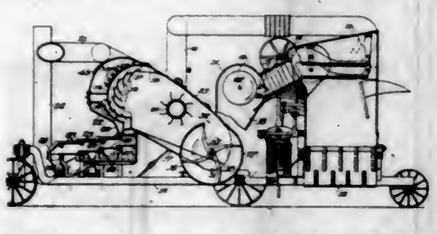
1. The method of making cement-lined pipe, which consists in moving a portion of a mass of cement within the pipe longitudinally thereof to form a tubular lining from the remaining portion of said mass, and moving a portion of the tubular lining thus formed circumferentially of the pipe to form a tubular lining of substantially uniform thickness circumferentially of the pipe.

1,629,293. REACTANCE COIL. EDWARD G. NEWTON, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 21, 1925. Serial No. 64,044. 2 Claims. (Cl. 175—359.)



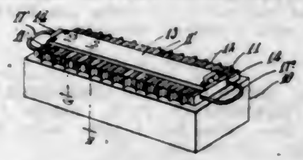
1. The combination with a reactance coil of end frames having hubs with diverging arms secured to said coil, and insulating supporting means including plates fitting said hubs to support the end frames and coil.

1,629,294. THRASHING MACHINE. NEWELL J. NOBLE, Nobleford, Alberta, Canada, assignor, by direct and mesne assignments, to The Dustless Thresher Promotion Company, Limited, a Corporation of Alberta, Canada. Filed Oct. 4, 1923, Serial No. 666,549, and in Canada Sept. 24, 1924. 20 Claims. (Cl. 130—27.)



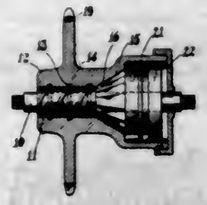
1. In a grain separator, two grain-blowing devices, an interposed separating compartment communicating with the outlet of the first device and with the inlet of the second device, an unthrashed grain inlet in the first device, a residual straw outlet in the second device, and a thrashed-grain outlet in the compartment.

1,629,295. COFFEE-RING-DOUGH DIVIDER. ALBERT OERTEL, Richmond Hill, N. Y. Filed Mar. 12, 1925. Serial No. 14,943. 4 Claims. (Cl. 107—21.)



1. A dough cutter comprising a dough container, a plurality of knives, blocks separating each pair of said knives, and having concave bottom edges, means for holding the knives and blocks assembled, comprising a common strip, springs for suspending said blocks from said strip and handles on said strip for permitting a lifting of knives and blocks simultaneously as a whole from said container after the cutting operation.

1,629,296. COASTER BRAKE. LOUIS GÉRARD OUELLET, St. Anaclet, Quebec, Canada. Filed June 24, 1926. Serial No. 118,175. 2 Claims. (Cl. 192—6.)



1. In a coaster brake of the class described, a driven member comprising a tapered portion formed circular at its smaller end and provided with a plurality of sides at its larger end.

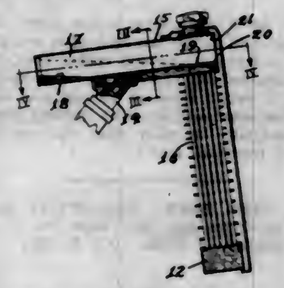
1,629,297. COVER FOR CURATIVE MEDICINES. VINCENZO PELLEGRINO, Rye, N. Y. Filed June 22, 1925. Serial No. 38,658. 1 Claim. (Cl. 128—153.)

A holder for a corn remedy comprising a band having a centrally located opening formed therein, a socket in said opening for the reception of the corn remedy, a means for holding said socket to said band, a means for attaching said band to a part of the body, a cap hinged to said socket, said cap having a Z-slit formed therein, an auxiliary extension cap in said main cap, and a pin on



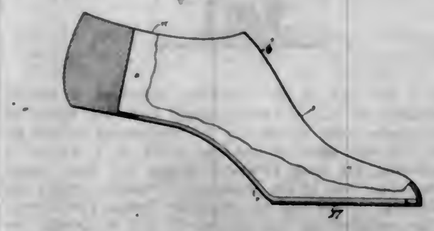
said auxiliary cap entering said Z-slit and guided therein for holding said auxiliary cap to the main cap and for guiding the same in its relative positions.

1,629,298. THERMOSIPHON RADIATOR. LAFE V. PENCE, El Paso, Tex. Filed Sept. 10, 1925. Serial No. 55,416. 4 Claims. (Cl. 251—125.)



2. In a radiator of the class described a top reserve tank, a water inlet into the bottom of said tank, a baffle slightly spaced from the bottom of the tank and extending to a point close to the front wall of the tank, the side and rear edges of said baffle being sealed to the walls of the tank.

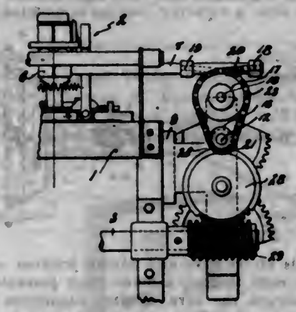
1,629,299. SHOE LAST. VICTOR V. PESSEMIER, Tacoma, Wash. Filed Aug. 24, 1926. Serial No. 131,238. 4 Claims. (Cl. 12—133.)



1. A shoe last comprising a last body formed with a chamber provided with a bottom wall, said chamber extending at a point between the transverse median and rear end of the last body to the front end of the last, the bottom wall of said chamber forming a portion of the sole of the last, said bottom wall having its sides throughout and its forward end slotted, and a flexible bottom member secured to the outer face of the forward portion of said bottom wall and registering with the inner wall of said slot.

1,629,300. TRAVERSE DRIVE FOR WINDING MACHINES. ANKER PETERSEN, Winthrop, Mass. Filed Sept. 8, 1923. Serial No. 661,713. 8 Claims. (Cl. 74—14.)

1. In a winding machine having a reciprocating traverse bar provided with a thread guide, an oscillatory shaft, intermittent gears for driving the oscillatory shaft, a freely turning guide drum to which the bar is substantially tangent, a spool secured to the shaft, and a pair of chains engaging the spool, one end of each chain being secured to the bar and the other end portions of



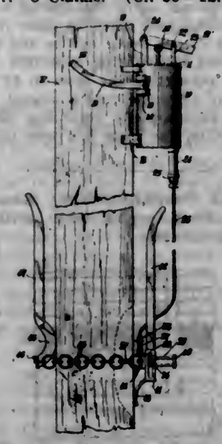
the respective chains being wrapped in opposite directions about the spool, the intermediate portions of the chains engaging opposite sides of the drum.

1,629,301. VEHICLE FRAME. WALTER F. PFANDER, Yonkers, N. Y., assignor to William C. Durant, New York, N. Y. Filed June 9, 1924, Serial No. 718,748. Renewed Jan. 22, 1927. 3 Claims. (Cl. 280—106.)



1. A vehicle frame which comprises, a cross beam member having an opening and integral tabs expanding at right angles to the surface of said member, and tubular torsion resisting member projecting into and closely fitting within said opening and riveted to said tabs and welded to said member between said tabs.

1,629,302. WOOD-PRESERVING SYSTEM. JOHN RUDOLF PRISTER, New York, N. Y., assignor of five per cent to Irving Kaufman and nineteen per cent to Ernest Brenner, New York, N. Y., and thirteen per cent to Meyer Boskey, Ira A. Schiller, Benjamin Marvin, and Maurice E. Serling, Copartners, practicing law under the firm name of Boskey, Schiller, Marvin and Serling, New York, N. Y. Filed Dec. 17, 1926. Serial No. 155,377. 5 Claims. (Cl. 99—12.)



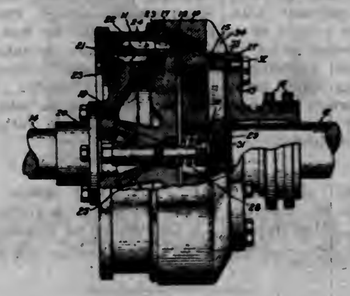
4. An apparatus for impregnating wood comprising a pump, means on said pump for attaching the same to an object to be impregnated, means adjustable on said pump to limit the stroke thereof, a block, a tubular connection between said pump and block, an injector slidable in said block, said injector including a longitudinally grooved, chisel-like shank and a cross-piece fixed on the larger end of the shank, and means removably secured on said block to insert said injector into the object to be treated.

1,629,303. TAP FOR FLUIDS. CLIVE SELSEY PHILLIPS, London, England, assignor of one-half to Frederick Richard Simms, London, England. Filed Feb. 5, 1927, Serial No. 166,033, and in Great Britain Nov. 11, 1925. 7 Claims. (Cl. 221—21.)



1. A tap for fluids comprising two telescopically fitted and relatively rotatable tubular members, one of said members having a discharge aperture, said members each having an inlet aperture, means for guiding the relative movement of said members, said guiding means permitting a limited relative rotative movement when the members are in extended position to bring the inlet apertures into register, and means for causing relative rotative movement between the members.

1,629,304. ELECTROMAGNETIC CLUTCH. EDGAR PRICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 28, 1925. Serial No. 63,191. 5 Claims. (Cl. 192—84.)

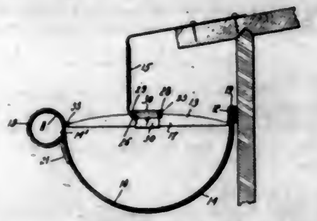


1. The combination in an electromagnetic clutch, of a pair of relatively movable frictional engaging clutch parts, a support for one of said clutch parts arranged for connection with the end of a shaft, the said clutch part and said support having corresponding slots in adjacent surfaces thereof, keys of resilient material disposed in said slots for forming a flexible coupling between said shaft and the shaft to which the other clutch part is arranged to be connected, said keys and slots forming a connection between said first clutch part and said support which permits movement of said first clutch part into engaging and disengaging relation with the second of said clutch parts, the said support and the first of said clutch parts having axially disposed conical engaging surfaces for centering the said first clutch part with reference to said support upon disengagement of the clutch, and resilient means for holding the said conical surfaces in engaging relation.

1,629,305. GUTTER HANGER. MAX RACHLIN, Brooklyn, N. Y. Filed Nov. 18, 1925. Serial No. 68,837. 2 Claims. (Cl. 108—29.)

1. A gutter hanger including a channel bar extending transversely between the upper edges of the gutter, said

bar being centrally provided in each of its side flanges with a recess, a roof strap having its lower end resting upon said bar and being provided with flanges seated



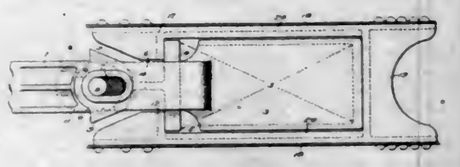
in said recesses, and a clip straddling the lower end of said roof strap and said bar and thereby holding said roof strap in position upon said bar.

1,629,306. HEADREST FOR BARBER CHAIRS. JOHN J. REEDER, West Union, Iowa. Filed June 10, 1926. Serial No. 115,049. 2 Claims. (Cl. 155—177.)



1. In a head rest structure of the class described, a rack bar adapted to be adjustably mounted on a chair back or the like, a plate pivotally connected to the outer end of said rack bar, a head rest carried by said plate, arcuate arms pivotally connected to said plate, said arms being provided with longitudinally spaced shoulders, brackets carried by said rack bar, guides on said brackets between which said arms are slidably mounted, and releasable retaining means carried by said brackets and including spring pressed retaining bolts passing through the brackets and engaging the shoulders on said arms, whereby to permit said plate to be held in various adjusted positions.

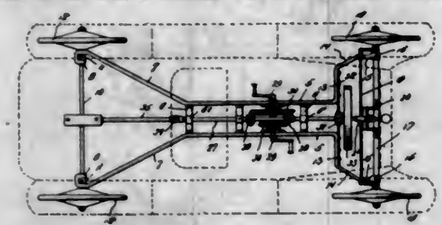
1,629,307. DRAFT GEAR. WILLIAM J. REGAN, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 9, 1923. Serial No. 637,807. 15 Claims. (Cl. 213—65.)



1. A draft gear involving a yoke device, a follower movable with respect to said yoke device and adapted to be actuated by and to be moved with respect to a car coupler associated therewith, and means extending through said follower for connecting the coupler to said yoke device, a portion of said coupler being adapted to be interposed between said follower and said yoke device.

1,629,308. MANUALLY-PROPELLED VEHICLE. THOMAS J. RILEY, Philadelphia, Pa. Filed Nov. 3, 1926. Serial No. 146,027. 3 Claims. (Cl. 208—113.)

1. In a vehicle of the character described, a pair of frame bars having parallel spaced relation intermediate their ends, the rear ends of said bars being bent in outwardly converging relation, while the forward ends thereof are so bent as to provide a pair of widely separated arms, a stationary front axle secured between the ends of the arms, steering wheels pivotally mounted at the ends of the axle, a rotating rear axle mounted between



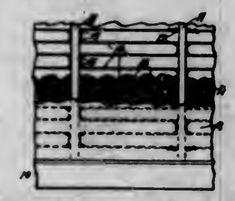
the rear ends of the bars and having traction wheels at the opposite ends thereof, a drive shaft journaled longitudinally between the bars, a drive connection between the rear ends of the shaft and the rear axle, and manually controlled means for rotating said drive shaft.

1,629,309. SANITARY CREAM SAVER. HUGO F. ROHRER, Ansley, Nebr. Filed Nov. 22, 1926. Serial No. 150,055. 5 Claims. (Cl. 210—51.5.)



1. A sanitary cream saver comprising a flexible disc adapted to be inserted in a bottle or other receptacle, and a stem connected at the lower end to the disc and provided with a spring constituting a portion of the length of the stem and permitting the stem to be flexed to arrange the disc at an angle to its normal position and capable also of automatically returning the disc to its normal position after the same has been introduced into a receptacle.

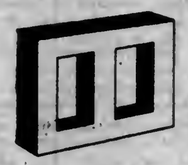
1,629,310. WALL CONSTRUCTION. WELLES ROKOSKI, Carlos, Minn. Filed Aug. 14, 1925. Serial No. 50,243. 2 Claims. (Cl. 72—50.)



1. The combination with a house wall of plaster put thereon and a soft grass-like material secured in the wall and partly intermixed with the rear side of the plaster,

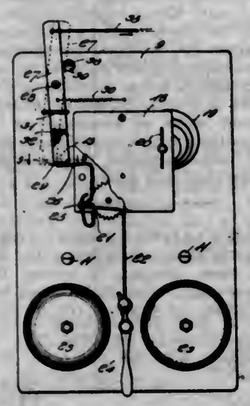
said soft material being twisted in the form of cables and as such projecting laterally outward into the plaster said wall having rigid bars and said cables being wound spirally about said bars.

1,629,311. MAGNETIC CORE FOR ELECTRICAL MACHINERY. WILLIAM E. RUDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 12, 1925. Serial No. 15,048. 2 Claims. (Cl. 175—21.)



1. An article of manufacture comprising magnetic sheet material provided with a thin, adherent, electrical insulating, and heat resisting coating, said coating containing varnish and a substantial proportion of finely divided mica.

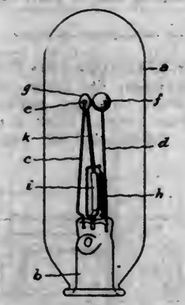
1,629,312. BURGLAR ALARM. ALFONS RUMRICH, Pittsburgh, Pa. Filed Aug. 5, 1926. Serial No. 127,412. 6 Claims. (Cl. 116—91.)



5. In a burglar alarm, a back plate, an alarm-sounding mechanism thereon, a lever fulcrumed between its ends to said back plate and having one end normally engaged with said mechanism to prevent functioning thereof, means connected to said lever to swing it about its fulcrum to a released position, said lever having a resilient portion permitting it to swing transversely of its plane of swinging movement to a second released position, said back plate having an opening normally covered by said one end of the lever, and a pin passing movably through said opening and projecting forwardly from said back plate to normally engage said one end of said lever and hold it against springing to said second released position.

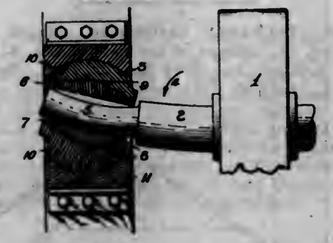
1,629,313. INCLOSED ARC LAMP. ALFRED RÜTTENAUER, Berlin-Charlottenberg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Apr. 30, 1925. Serial No. 27,100, and in Germany Sept. 13, 1924. 9 Claims. (Cl. 176—1.)

7. The method of establishing an arc between a large electrode and a small electrode within a sealed envelope which consists in first drawing the arc between the small electrode and a third electrode until the small electrode becomes heated and thereafter withdrawing the third elec-



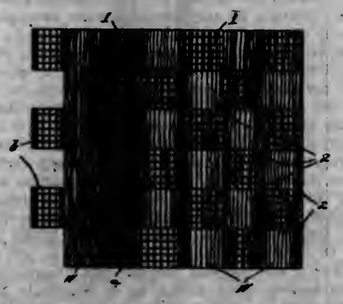
trode from between the first two electrodes to cause the arc to be transferred and established directly between the small and the large electrodes.

1,629,314. RADIAL BEARING. ALEXANDER E. SCHEIN, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 8, 1921. Serial No. 520,790. 3 Claims. (Cl. 308—73.)



1. A babbitted bearing for shafts in which the babbitt possesses a low modulus of elasticity and is thicker at points along the bearing subject to the greater loads.

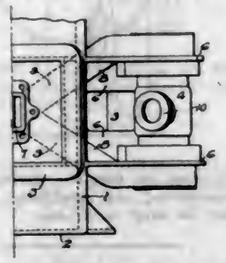
1,629,315. MAT FOR REVETMENT WORK AND PROCESS OF MAKING SAME. STRUS SHIRLEY SCOTT, Carrollton, Mo., assignor of one-half to Clark E. Jacoby, Kansas City, Mo. Filed Dec. 21, 1925. Serial No. 76,838. 8 Claims. (Cl. 28—1.)



1. The process of weaving a mat of mat material and wire fabric comprising the placing of a plurality of rows of rolls of fabric alternately unrolled a predetermined dis-

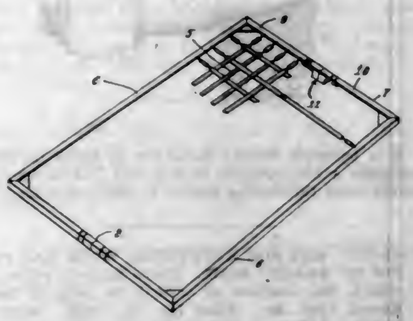
tance in opposite directions, compacting a quantity of mat material in the space thus provided between the rows, then alternately unrolling the rolls of one row over the mat material to bind the same in position, and removing the other row of rolls so that it shall not interfere with the process.

1,629,316. LOCOMOTIVE BED AND STEAM PASSAGE. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Filed Apr. 30, 1926. Serial No. 105,789. 16 Claims. (Cl. 105—44.)



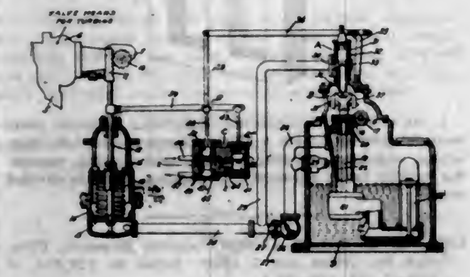
1. In combination, a locomotive bed, a boiler saddle with a centrally located exhaust steam outlet, a steam supply chamber, and an exhaust steam passage extending directly from the end of said chamber diagonally through a side wall of said bed to a point beneath said outlet.

1,629,317. FOLDABLE BEDSPRING. FRANK SMITH, Rockford, Ill., assignor of one-tenth to Mrs. A. G. Kerrison, Rockford, Ill. Filed Nov. 22, 1926. Serial No. 149,807. 1 Claim. (Cl. 5—202.)



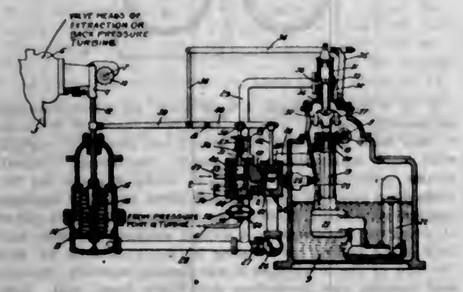
In a foldable bed spring, the combination with a pair of frame sections of angle cross section arranged to be detachably joined together, of a pair of blocks of rectangular cross section to fit within the angles of the angle frame sections, said blocks being relieved to provide attaching portions of angular cross section to be secured within the angle of the angle frame sections, the blocks providing alongside the relieved portions a pair of abutting head portions whereby the blocks may be detachably joined together, one of said portions having a rectangular inwardly tapering socket, the other head portion having a boss of complemental form for wedging engagement in said socket, openings provided in said head portions extending lengthwise with respect to said blocks and arranged to register when said head portions are interengaged, and a bolt passing through said registering openings and serving when drawn up to wedgingly interlock the head portions of said blocks and correspondingly secure the adjoining ends of the angle bed frame sections together, said bolt having the head thereof of reduced diameter to be free to turn in the relieved portion of one of said blocks, and provided with a screw driver slot whereby the bolt may be turned in tightening or loosening the same, and a nut in the relieved portion of the other block and threadedly engaged on said bolt and prevented from turning in the tightening or loosening of the bolt by reason of its engagement with the sides of the relieved portion of the block.

1,629,318. REGULATING MEANS FOR ELASTIC-FLUID TURBINES. REGINALD G. STANDERWICK, Marblehead, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 28, 1925. Serial No. 72,055. 8 Claims. (Cl. 264—14.)



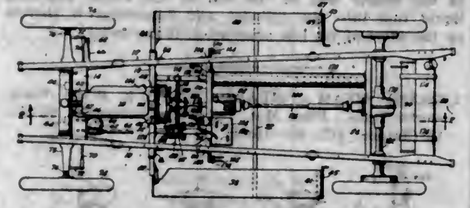
1. In a governing mechanism for prime movers, the combination of valve means controlling the admission of elastic fluid to the prime mover, a fluid-actuated motor, including a pilot valve structure for effecting movement of the valve means, a primary governor for actuating the pilot valve structure, a follow-up mechanism for restoring the pilot valve structure, correcting means to correct for the inherent width of regulation of the primary governor comprising a motor connected to the pilot valve structure, and means actuated by the follow-up mechanism for controlling said motor.

1,629,319. REGULATING MEANS FOR ELASTIC-FLUID TURBINES. REGINALD G. STANDERWICK, Marblehead, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 28, 1925. Serial No. 72,056. 10 Claims. (Cl. 60—67.)



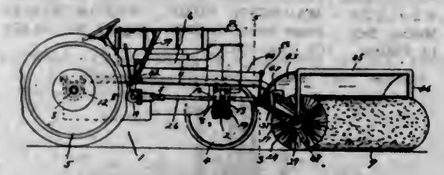
1. The combination with a turbine which supplies elastic fluid from a region beyond its admission end, of valve means which is operated to maintain the pressure in said region constant, a fluid-actuated motor including a pilot valve for moving the valve means, a movable member responsive to the pressure in said region, means including a follow-up connection connecting the movable member to the fluid-actuated motor and pilot valve, a pressure correcting motor, and means for effecting movement of the correcting motor to modify the action of said movable member on the valve means.

1,629,320. MOTOR-VEHICLE FRAME. ALFRED T. STURT, Flint, Mich., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed May 17, 1922. Serial No. 561,610. 7 Claims. (Cl. 180—64.)



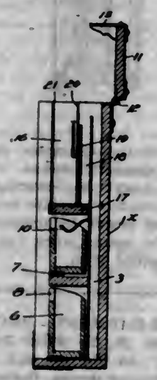
1. A motor vehicle frame comprising a pair of longitudinal members, a transverse engine supporting member located below said longitudinal members and carried by brackets secured thereto, a transverse transmission supporting member secured to said longitudinal members, a battery supporting bracket secured to said transmission supporting member and longitudinal struts connecting said engine, supporting member and said transmission supporting member.

1,629,321. ROTARY SNOW-SWEEPER ATTACHMENT FOR TRACTORS. ROBERT SIMPSON, Detroit, Mich., assignor to Lew W. Shaw, Highland Park, Mich. Filed Feb. 18, 1922. Serial No. 535,982. 9 Claims. (Cl. 15—82.)



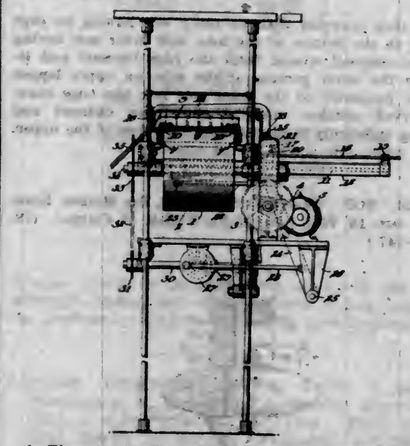
3. The combination with a tractor having a rear axle, of an attachment therefor including, a frame secured to said rear axle and projecting forwardly of said tractor, a rod connected to said frame, a rotary sweeper, arms connecting said rod and sweeper, and a concave shield extending adjacent the upper rear periphery of said sweeper, said shield being connected at its lower edge to said rod.

1,629,322. HANDY CASE FOR CAR AND BUS CONDUCTORS AND OTHERS. LEON SWARTHOUT, Rochester, N. Y. Filed Nov. 10, 1925. Serial No. 68,167. 2 Claims. (Cl. 211—7.)



1. A case comprising a body having a compartment and kerfs in the side walls of said compartment, and a plate removably seated in said kerfs, the said compartment being open at its upper end, and the body being combined with a top hingedly connected to the body and adapted in one position to rest above said compartment and be fastened to the body so as to maintain the plate against displacement.

1,629,323. TRANSFER DEVICE FOR CONVEYERS. OBLO E. SWARTZ, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 14,516. 3 Claims. (Cl. 198—24.)



1. The combination with a traveling conveyor adapted to carry a plurality of articles, of a stop member arranged in operative relation to said conveyor and adapted to arrest the travel of said articles in alinement, an oscillatory pusher member reciprocable relatively to said carrier and adapted to push the articles arrested by said stop member off of said carrier, means for imparting reciprocation to said pusher member, and friction controlled means for producing oscillation of said pusher member upon its pivot in response to its reciprocation.

1,629,324. RELAY-ARMATURE SUSPENSION. HANS THOMA, Munich, Germany, assignor to Neufeldt & Kuhnke Betriebsgesellschaft m. b. H., Kiel, Germany, a Corporation of Germany. Original application filed Mar. 14, 1924, Serial No. 699,348, and in Germany Dec. 4, 1922. Divided and this application filed July 6, 1926. Serial No. 120,831. 4 Claims. (Cl. 175—336.)



1. A relay responsive to energy variations having an armature mechanically moving in accordance with said energy variations, means for slidingly supporting said armature to permit it to perform its operating motions, the supporting surface of said means moving permanently in a direction at right angles to the direction in which the armature moves, and anti-friction means for preventing said armature from following said right angle movement.

1,629,325. SHOE. THOMAS TORIO, Corona, N. Y. Filed Oct. 16, 1925. Serial No. 62,803. 5 Claims. (Cl. 36—19.)



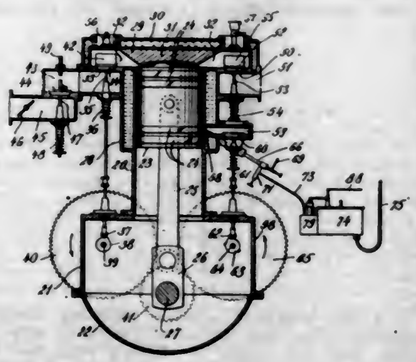
3. A shoe provided with an inner sole having an edge channel on the bottom of the sole, said inner sole having an inner channel spaced from the edge channel and located in the lower portion of the sole, an upper lapped over the perimeter of the inner sole into the edge channel, curved stitches entering the inner channel and emerging outwardly from the lapped portion of the upper, and an outer sole sewed to the upper.

1,629,326. TOP. FRANKLIN S. UPHAM, Des Moines, Iowa. Filed Oct. 19, 1925. Serial No. 63,319. 2 Claims. (Cl. 273—147.)
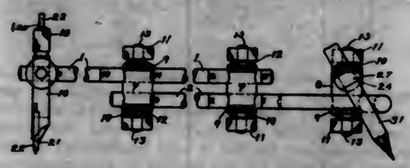


1. A top comprising a spinner member, a shank formed integral with said spinner and extending thereabove, a spindle above said shank, said spindle being of less diameter than the shank and a fly wheel of greater diameter than the spinner member received upon the shank, a plurality of rings adapted to extend around the spindle and be received upon said fly wheel and a pointer upon one of said rings and a series of indicating characters upon the fly wheel as and for the purposes stated.

1,629,327. INTERNAL-COMBUSTION ENGINE. GEORGE W. WALDO, Brooklyn, N. Y. Filed Feb. 26, 1921. Serial No. 448,034. 33 Claims. (Cl. 123—75.)



1. The method of charging a cylinder provided with a movable piston with a combustible mixture which consists in supplying air to the cylinder during a portion of the stroke of the piston, maintaining the cylinder out of communication with the air supply during substantially the remainder of the stroke of the piston to permit the air in the cylinder to expand to a pressure below that of the supply and at the end of the stroke injecting liquid fuel into the cylinder and vaporizing it therein by the effect of the low pressure in the cylinder.

1,629,328. BEAM COMPASS. RODNEY B. WARD, Wadsworth, Ohio. Filed Mar. 18, 1926. Serial No. 95,752. 16 Claims. (Cl. 33—158.)



1. In a beam-compass, rods, and clamps mounted on and connecting said rods, each of said clamps comprising a slide perforated to receive said rods, and having at the ends centering parts and threaded extensions, gripping rings centered by said parts and arranged to bear on said rods, nuts on said extensions, and springs interposed between said rings and said nuts.

1,629,329. MAGNETIC PUMP. WILLIAM WERNER, Mexia, Tex. Filed Sept. 5, 1925. Serial No. 54,679. 11 Claims. (Cl. 103—26.)



1. In a device of the character described, a hollow pump rod, electro-magnetic means to raise said rod, similar means to assist in lowering said rod, automatic means to alternately energize said raising and said lowering means, and means to automatically de-energize said electro-magnetic means when the fluid in the well reaches a predetermined level.

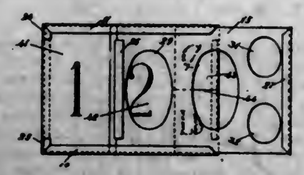
1,629,330. COLOR-HARMONY DEVICE. HAZEL H. ADLER, New York, N. Y. Filed July 12, 1924. Serial No. 725,596. 16 Claims. (Cl. 35—12.)

1. In a color harmony device, the combination with a mask, of a colored picture on the mask showing a group of colors, and a sheet movable relatively to the mask and variously colored in different areas each color harmonizing with the color group shown in the picture while



the mask conceals adjacent colors so that the sheet is adapted to selectively display any one of said areas through an opening in the mask adjacent said picture.

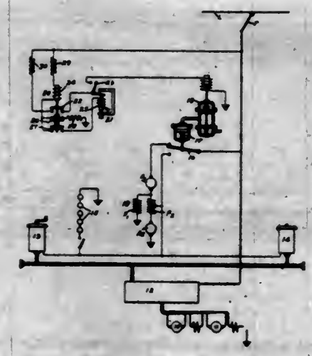
1,629,331. CARD HOLDER. ANTHONY AQUILA, Iselin, N. J. Filed Nov. 12, 1926. Serial No. 147,928. 4 Claims. (Cl. 40—17.)



1. In a card holder of the character specified, a body member having portions of three of its edges bent forwardly and inwardly to provide retaining flanges spaced from said body member to receive and retain display cards inserted between said flanges and said body member, said body member having furthermore portions of two opposite edges bent rearwardly and inwardly to provide flanges spaced from the rear surface of said body member, a stationary clamping member rearwardly extending from said body member, an additional clamping member also carried by said body member and rearwardly extending therefrom adjustably mounted between said spaced flanges and the surface of said body member, and means for locking said adjustable clamping member in position.

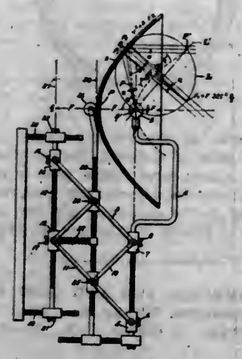
1,629,332. PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS. CHARLES J. ARNELL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 6, 1925. Serial No. 28,496. 10 Claims. (Cl. 171—97.)

1. A protective device for electric circuits operating on a plurality of voltages comprising a normally closed switch and a normally open switch connected to jointly control the circuits, and electromagnetic means connected to be energized respectively to the voltage impressed upon the circuit for electromagnetically opening said normally closed switch only when the impressed



voltage exceeds a predetermined value and electromagnetically closing said normally open switch only when the impressed voltage is below said predetermined value.

1,629,333. LIGHT PROJECTOR. FRANK A. BENFORD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,469. 9 Claims. (Cl. 240—44.)

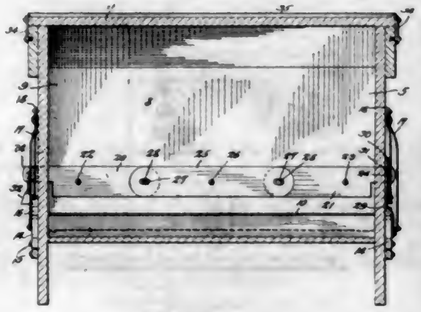


1. In combination a paraboloidal reflector, a source of light, and mechanical means for moving said source along a parabolic path in front of the reflector, the reflector and the path having a common axis.

1,629,334. AUTOMATIC FEEDER. CADWELL E. BENNETT, De Soto, Kans. Filed Oct. 6, 1926. Serial No. 139,898. 3 Claims. (Cl. 119—55.)

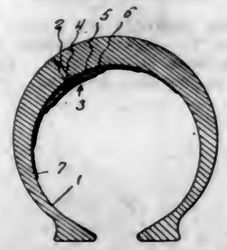
1. A poultry feeder including a hopper, a trough at each side of the hopper and arranged adjacent to the bottom thereof, said troughs being fed with material from the hopper, a hinged closure for each trough, a movable perch associated with each trough, connecting links for connecting the perches and closures, said

closures adapted to be moved by the movement of the perches, knockers carried by the closures and adapted to move to engage the hopper to jar material within the



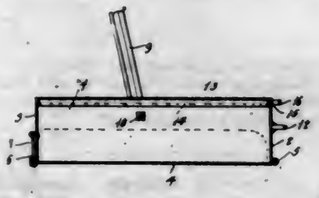
hopper, and agitating members mounted within the hopper and movable by the action of the perches to feed material to the troughs.

1,629,335. BALLOON-TIRE PATCH. JOHN F. BRADY and RICHARD B. OTT, Ritzville, Wash. Filed June 23, 1926. Serial No. 118,055. 2 Claims. (Cl. 152—24.)



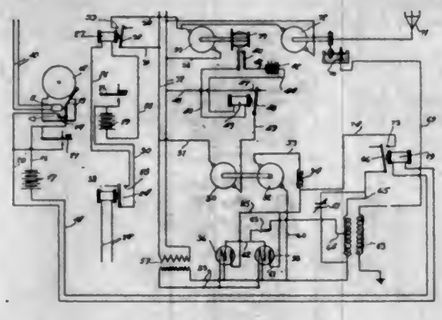
1. A tire patch of the class described embodying a multiplicity of plies of material, the outer one of which is composed of a semi-cured rubber gum or plastic rubber to seal the rupture, the adjacent ply comprising a rubber fabric connected to the outermost ply, the next ply comprising a piece of leather to reinforce the rupture.

1,629,336. COMBINED ASH AND DUST PAN. WELLINGTON I. CLEMENTS, Norfolk, Va. Filed Mar. 6, 1926. Serial No. 92,982. 2 Claims. (Cl. 126—243.)



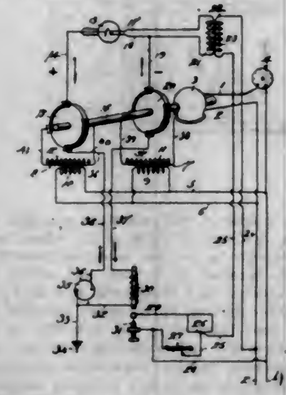
1. An ash pan comprising front, rear and lateral sides, a bottom hinged at its front end to the lower edge of the front and projecting beyond the rear flanges extending upwardly from the lateral edges of the bottom and contacting with the outer faces of the lateral sides, and means carried by the projecting portion of the bottom and the rear to secure the bottom against casual movement.

1,629,337. RADIO FIRE-ALARM SYSTEM. HENRY GARRETT, Dallas, Tex. Filed Oct. 14, 1925, Serial No. 62,482. Renewed Mar. 26, 1927. 3 Claims. (Cl. 250—17.)



1. In a fire alarm system, an alarm receiving apparatus, a high tension generator, radio transmitting apparatus connected to and fed by said generator and including an antenna circuit, means governed by the alarm receiving apparatus for interrupting the antenna circuit, a motor for driving the generator, a normally open local circuit including a relay, a power circuit connected to said motor and closed by said relay, a second local circuit including a relay, and a circuit including a motor and controlled by the last relay, said last circuit controlling through the action of its motor the normally open local circuit.

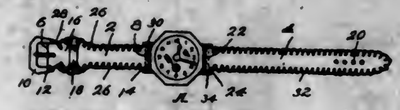
1,629,338. X-RAY SYSTEM. HARRY D. GARRETSON, New York, N. Y., assignor to Harry F. Waite, New York, N. Y. Filed Dec. 20, 1921. Serial No. 523,613. 1 Claim. (Cl. 250—34)



In a system of the class described, a milliammeter, a regulating device for regulating the flow of current through a hot cathode of an X-ray tube, an X-ray tube of the hot cathode type, means for connecting the hot cathode with a rectifying switch and means for connecting the rectifying switch with a step-up transformer, means for connecting the anode of the tube with a second rectifying switch and means for connecting the second rectifying switch with a second step-up transformer, means for energizing both transformers, means for driving both rectifying switches synchronously with each other and with the current passing through the step-up transformers, two wires running from two terminals of the rectifying switches, said wires being connected to the said milliammeter and the said regulating device, a step-down transformer for supplying a cathode heating current to

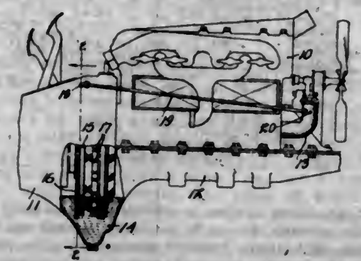
the cathode of the X-ray tube and means for connecting the primary of the step-down transformer with the regulating device, whereby the power of the tube may be regulated.

1,629,339. WRIST-WATCH STRAP. WESLEY HANKINSON and JACOB J. KNEBEL, Kansas City, Mo. Filed Aug. 9, 1926. Serial No. 128,189. 4 Claims. (Cl. 224—4.)



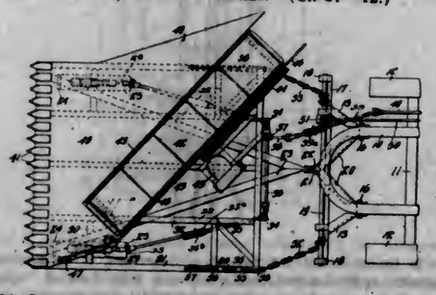
4. A strap provided at its narrow margins with laterally projecting shoulders, and lacings secured to the strap between said shoulders and projecting over the adjacent narrow margins of said strap.

1,629,340. OIL-CIRCULATING SYSTEM. FRED HUNGATE, Tampa, Fla., assignor of one-half to Lemuel G. Gillaspy, Indianapolis, Ind. Filed July 23, 1925. Serial No. 45,659. 2 Claims. (Cl. 184—11.)



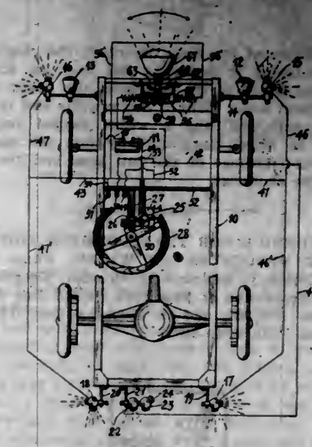
1. The combination in an internal combustion engine having a crank case with its forward and rear portions sloping gently downwardly to form an oil sump and having a fly wheel disposed between said sloping portions and a ring gear of slightly larger size than said fly wheel connected thereto, of an oil receiving nipple disposed in the fly wheel housing in the plane of the junction between the rear side of the fly wheel and the forward side of the ring gear and a pipe having one end connected to said nipple said pipe sloping slightly forward and downwardly and terminating in the breather pipe, whereby when the oil in the crank case is fanned by the magnets on the fly wheel said ring gear will obstruct or dam the oil and cause the same to be discharged through said pipe into the breather pipe, substantially as set forth.

1,629,341. SNOWPLOW. LORAN IBBELL, Little York, N. Y. Filed July 28, 1925, Serial No. 46,644. Renewed Apr. 14, 1926. 26 Claims. (Cl. 37—42.)



26. In a snow plow adapted to be pushed by a propelled vehicle, a plow frame structure provided with a side cutting blade, a single coupling means between the structure and the [illegible] frame with the [illegible] blade, and control means serving to adjustably raise or lower said blade, 1

1,629,342. VEHICLE SIGNALING [illegible]. JOHN JUHASZ, Dover, Ohio. Filed May 3, 1926. Serial No. 28,256. 4 Claims. (Cl. 177—337.)



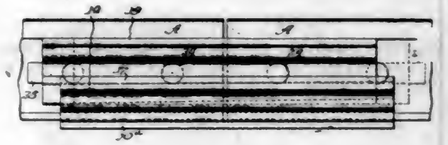
1. In a vehicle signal system, a vehicle, right and left turn signals, a circuit for each signal, means for selectively energizing said circuits to indicate a contemplated turn, a roadway illuminating lamp, means for mounting said lamp on said vehicle for movement in either direction from normal position, illuminating the roadway straight ahead, means operated by energization of either of said signal circuits for moving said lamp to illuminate the roadway in the direction of the contemplated turn, and means for returning said lamp to its normal position.

1,629,343. KEY-IDENTIFICATION DEVICE. JOHN A. KATZ, York, Pa., assignor to S. Forry Laucks, York, Pa. Filed Sept. 22, 1926. Serial No. 136,094. 2 Claims. (Cl. 40—10.)



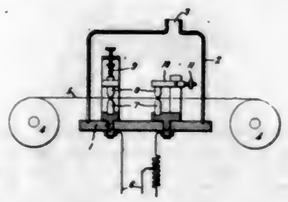
1. A key identifying device, comprising a key having a head with an opening therethrough and a recess, the wall of said recess intersecting the wall of the opening and provided with a continuous groove, a disk carrying identification indicia adapted to seat in said recess, a flange extending around the disk, a lug extending outwardly of said flange to extend into said opening, and resilient means adapted to engage the flange and in said groove to hold the disk from displacement from the recess.

1,629,344. RAIL-HOLDING DEVICE. CHARLES P. KIMMEL, Gary, Ind. Filed June 24, 1926. Serial No. 118,200. 8 Claims. (Cl. 238—208.)



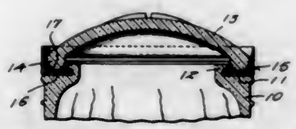
8. In a device of the class described, the combination of a shoe adapted to receive a rail base, an abutment overlying one flange of the rail base, the upper surface of the abutment being inclined downwardly and inwardly toward the rail web, and a wedge shaped angle bar adapted to be driven longitudinally into the space between the undersurface of the rail head and the upper surface of the abutment.

1,629,345. DEVICE FOR TRANSFORMING THE CRYSTALLINE STRUCTURE OF WIRES. FRITZ KOREF, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed July 6, 1922. Serial No. 573,163, and in Germany July 13, 1921. 14 Claims. (Cl. 176—132.)



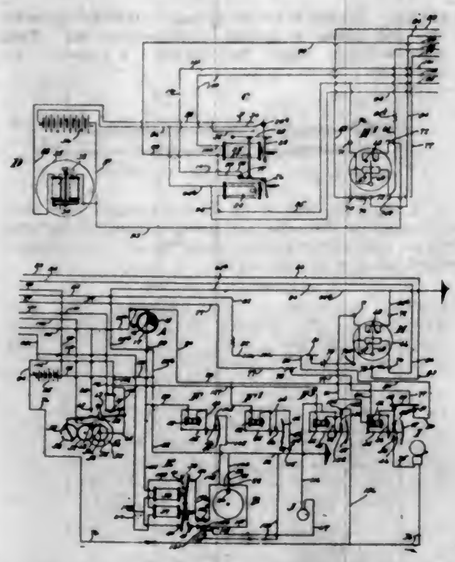
1. In apparatus for transforming the crystalline structure of wires and the like composed of high fusing metals such as tungsten by a continuous process comprising the heating of a portion of the wire to high incandescence, the combination with contacts of very high fusing material, such as tungsten or molybdenum and adapted to be connected to a source of current, of means for guiding the wire to be transformed over said contacts to heat the portion of the wire between them.

1,629,346. GASKET FOR FRUIT JARS. SAMUEL E. LARSON, Custer County, Nebr. Filed July 20, 1926. Serial No. 123,735. 3 Claims. (Cl. 215—37.)



1. The combination with a jar having a horizontal ledge on the mouth thereof and a cover having a depending peripheral flange, of a gasket having a lower flat face seated on the ledge and an upper peripherally grooved face receiving said flange, one wall of said groove being higher than the other wall, whereby to project above the periphery of said cover and cooperate with the latter to form a groove to receive a sealing material.

1,629,347. ALARM SYSTEM FOR VAULTS. EDWARD G. LAWRENCE, Minneapolis, Minn., assignor to O. B. McClintock Co., a Corporation of Minnesota. Filed Mar. 9, 1925. Serial No. 14,112. 6 Claims. (Cl. 177—314.)



1. In an alarm system, a plurality of normally open protective circuits, an alarm, normally latched means for operating said alarm through successive cycles of predetermined periods, means operated by the closing of any one of said protective circuits for releasing said latched means, said system also including means for opening the disturbed closed protective circuit at a point other than at the point of first closure and some time during each cycle.

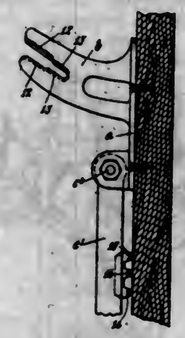
1,629,348. GAUGE-GLASS AND FEED-GLASS PROTECTION. JOHN LUDWIN and ANDREW HOWARD, Long Island, N. Y. Filed Sept. 19, 1925. Serial No. 57,273. 2 Claims. (Cl. 73—54.)



1. In an article of the class described, a transparent sheath split longitudinally at one side thereof, frame members secured along the upper and lower edges of said sheath, binding members having apertures lengthwise therein secured along the longitudinal edge of said sheath,

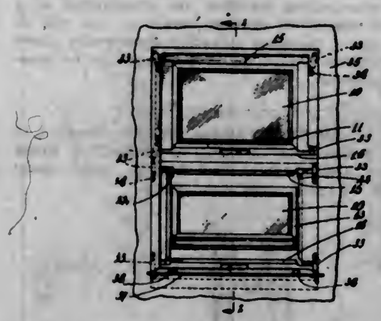
and a locking member having rod-like portions capable of being inserted in the said lengthwise apertures to secure the said binding members together in operative position, substantially as shown and described.

1,629,349. SINEW EXTRACTOR. JAMES A. MACDONALD, Boston, Mass. Filed July 28, 1926. Serial No. 125,413. 1 Claim. (Cl. 17—1.)



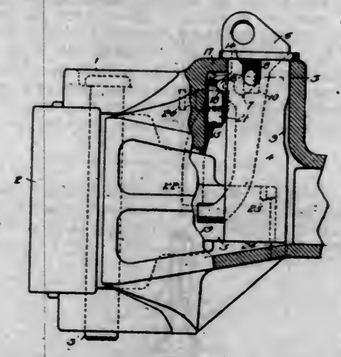
A sinew extractor including a base, a foot-holding arm projecting forward from the upper portion of the base and having a recess adapted to receive the bony portion of a fowl's leg adjoining the foot, said recess being composed of a relatively wide parallel sided outer portion, the edges of which form outer jaws adapted to have a non-wedging engagement with a larger leg, and a narrower parallel sided inner portion, the edges of which form inner jaws adapted to have a non-wedging engagement with a smaller leg, and a hand lever pivoted to the base below the arm, and provided with a multiple claw adapted to receive the bony portion of a leg adjoining the fleshy portion thereof, said claw having a larger recess, the edges of which form outer jaws, formed and positioned to cooperate with the outer jaws of the arm in extracting sinews from a larger leg, and a smaller recess, the edges of which form inner jaws, formed and positioned to cooperate with the inner jaws of the arm in extracting sinews from a smaller leg, the parallelism of the arm jaws preventing a wedging adhesion of a broken off leg and foot to the arm.

1,629,350. REVERSIBLE WINDOW. OTTO MATERNY, Bethlehem, Pa. Filed Nov. 27, 1926. Serial No. 151,041. 4 Claims. (Cl. 20—49.)



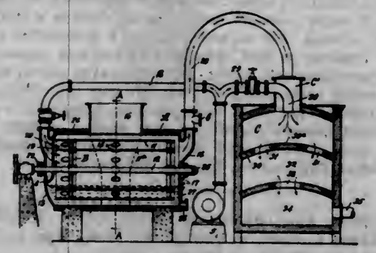
1. A rotatable window frame comprising a window frame proper, a pane of glass mounted therein, said window frame proper rotatively mounted in side members, said side members slidably engaged in upper and lower members, said side members and said upper and lower members, adapted to slidably engage in a window casing.

1,629,351. CAR COUPLER. WILLIAM MCCONWAY, JR., Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 48,898. 5 Claims. (Cl. 213—126.)



1. A car coupler involving a coupler head, a knuckle rotatably mounted on said head, a lock for said knuckle, a lock lifter, and a headed pivot pin for movably connecting said lock and lifter, said lifter having a shoulder for cooperating with said coupler head to prevent accidental unlocking of said lock and having a slot for receiving said pin, said slot extending at an angle to the direction of unlocking movement of said lock, said lock being provided with spaced walls perforated to receive said pin and being provided with a side wall having an opening through which the head of said pin is adapted to pass when in a given position, and the head of said pin when the parts are assembled being disposed inwardly of said side wall and in overlapped relation to the latter.

1,629,352. SULPHUR BURNER. HENRY F. MERRIAM, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Dec. 3, 1923. Serial No. 678,098. 16 Claims. (Cl. 23—279.)

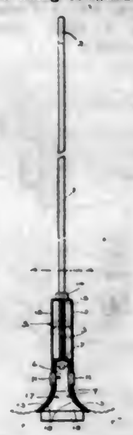


1. A sulphur burner (brimstone burner) comprising a casing forming a burner chamber and having an inlet for feeding sulphur to said chamber and another inlet for admitting compressed air to said chamber, and means for forming a permanent barrier to the passage of gases or such air from the burner chamber through the sulphur feed inlet.

1,629,353. ANCHORING DEVICE. FRED MICHALICEK, Cedar Rapids, Iowa. Filed July 13, 1926. Serial No. 122,165. 2 Claims. (Cl. 189—92.)

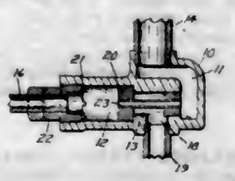
1. An anchoring device comprising a guy rod having a threaded portion and an eye remote from the latter, a pair of inverted substantially U-shaped members of dif-

ferent lengths, and inter-connected with each other, the ends of the members being outwardly curved, a base sta-



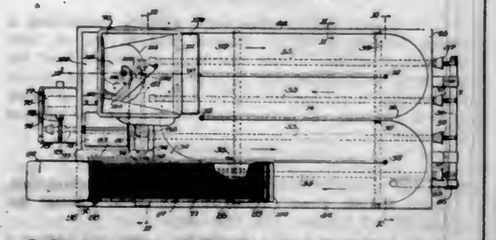
tionarily holding the smaller member to provide a guide for the other member, and means adjustably connecting the longer member to the guy rod.

1,629,354. CYLINDER DRAINAGE AND RELIEF VALVE. FRANK C. MILLER, Auburndale, Mass. Filed Feb. 17, 1922. Serial No. 537,288. 3 Claims. (Cl. 121—134.)



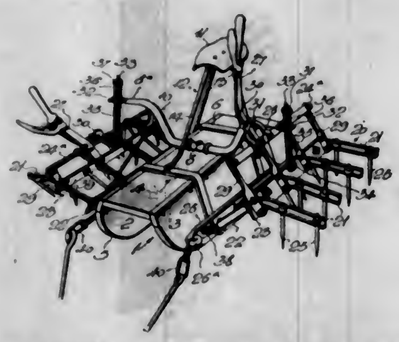
1. A drainage and relief valve comprising a valve casing having a chamber, a connection therefrom to the engine cylinder, a second connection therefrom to a supply of fluid under pressure, said chamber having a drainage outlet between said connections, and a differential piston freely slidable in said chamber between said connections and controlling said outlet, said differential piston having its smaller surface adjacent the cylinder connection, and said drianage and relief valve being provided with a much restricted passage permitting slow escape of fluid from said valve chamber and thereby providing a gradually decreasing fluid cushion for said differential piston.

1,629,355. AUTOMATIC POTATO-CHIP MACHINE. FORREST L. MORROW, Chicago, Ill. Filed Apr. 11, 1925. Serial No. 22,259. 6 Claims. (Cl. 53—7.)



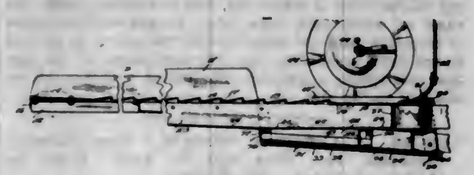
2. In a machine of the class described, the combination of a reservoir having a bottom and side walls, a plurality of posts mounted upon the bottom of the reservoir, a U-shaped partition disposed in the reservoir with its free ends mounted upon said posts and an intermediate partition lying between the legs of said first partition and removably mounted upon another of said posts.

1,629,356. HARROW. MILTON C. MYERS, St. Joseph, Mo. Filed Sept. 20, 1926. Serial No. 136,561. 8 Claims. (Cl. 97—140.)



1. In a harrow, a sled, draw bars secured to the outer sides of the sled runners, tooth-carrying wings hinged to said draw bars and projecting from each side of said sled, means for tilting the teeth of said wings and locking them in adjusted position, and means for holding said wings down in operative position.

1,629,357. SHAKING-SCREEN MECHANISM FOR CORN-HUSKING MACHINES. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to The New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Apr. 6, 1925. Serial No. 21,064. 16 Claims. (Cl. 209—318.)



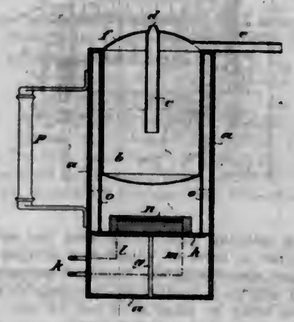
4. In a corn-husking machine, the combination of a reciprocatory screen, an exhaust blower at one side of the screen, and a conveyer operating transversely above the screen to move toward the blower waste matter passing from the screen.

1,629,358. DRINKING ATTACHMENT. POWELL D. PADGETT, Atlanta, Ga., assignor of one-half to Frank G. McCord, Atlanta, Ga. Filed Sept. 8, 1925. Serial No. 55,098. 1 Claim. (Cl. 215—100.)



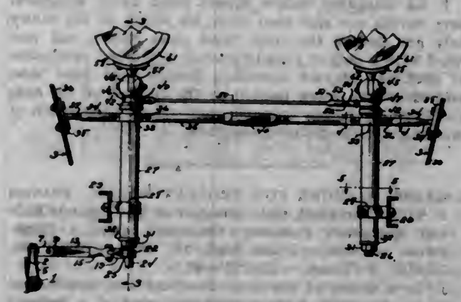
In a protecting device for bottles, a hollow substantially cylindrical member open at one end and adapted to be positioned around the neck of the bottle, an annular flange extending inwardly from the opposite end of said member and an annular skirt extending downwardly from the inner edge of the flange and adapted to enter the mouth of the bottle, said skirt decreasing in diameter from its outer to its inner end and providing an annular neck receiving chamber having a cylindrical outer wall and a relatively inclined inner wall.

1,629,359. DEVICE FOR EFFECTING A STERILE CLOSURE FOR PRESERVE CONTAINERS. ERNST PAUSS, Cologne-Mulheim, Germany. Filed Mar. 30, 1926, Serial No. 98,630, and in Germany Feb. 14, 1925. 6 Claims. (Cl. 219—44.)



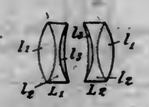
1. A device for effecting a sterile closure for preserve containers, comprising an outer container, an inner water-container spaced from said outer-container, a cover to said inner and outer containers, an electrical heating element supported within said outer container and spaced from said inner water container, means for supplying electric current to said heating element, a tube for delivering steam generated in said inner water container to the point required, and a tube dependent from said cover into the water space of said inner water-container, said tube being adapted normally to be immersed in the contents of said inner water container.

1,629,360. HEADLIGHT ADJUSTER FOR AUTOS. JOSEPH A. PIPER, Wiley Ford, W. Va., assignor of one-half to Louis Settle, Cumberland, Md. Filed Sept. 27, 1926. Serial No. 137,974. 6 Claims. (Cl. 240—62.)



2. The combination with an automobile, of dirigible head lamps therefor, a post for each head lamp, a supporting sleeve through which each post passes, means for adjustably connecting the sleeves to the sides of the frame and to the front mud guards of the automobile, adjustable means connecting the respective posts, throw means connected with one of the posts, said means comprising a member clamped on the post, a bifurcated head to which the member is pivoted, a stem extending longitudinally from the head, a sleeve in which the stem is received, spring means between the sleeve and stem influencing the head in the direction of the stem, a member having an end removably and adjustably secured in the sleeve, a link having its ends bifurcated in opposite directions, and in one of which bifurcations the said member is pivoted and an arm secured to the body of the axle spindle of one of the front wheels of the automobile and pivotally secured in the bifurcated end of the link.

1,629,361. HYPERCHROMATIC OBJECTIVE. ARON PLOLACK, Paris, France. Filed July 31, 1923, Serial No. 654,954, and in France Aug. 1, 1922. 2 Claims. (Cl. 88—57.)



1. An objective for obtaining distinct images with soft outline corrected for all geometrical and physical aberrations except the chromaticity of its focal plane which is amplified.

1,629,362. FOLDABLE WARDROBE. NELLY MARGUERITE ROBERT, Cleveland, Ohio. Filed Aug. 19, 1922. Serial No. 582,865. 7 Claims. (Cl. 45—118.)

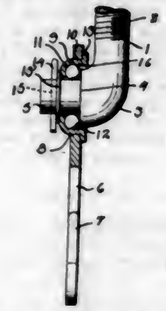


1. A foldable wardrobe comprising collapsible walls of flexible material, and top and bottom members to which said flexible walls are secured, said top and bottom members each formed of two rigid sections hinged together to fold inwardly, said walls being foldable between said top and bottom members when the same are folded inwardly to form therewith a compact bundle.

1,629,363. BALL-BEARING PORCH-SWING HOOK. WALTER ROSS, Louisville, Ky. Filed Apr. 9, 1926. Serial No. 100,919. 2 Claims. (Cl. 248—64.)

1. A ball bearing hook comprising in combination a threaded depending hanger, a reduced laterally offset

trunnion defining a shoulder at the inner end of the trunnion, a hook member provided for the collar having a raceway operatively engaged with the trunnion,



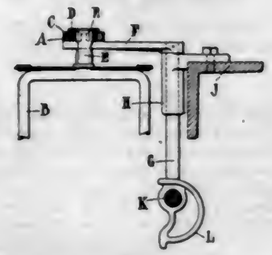
anti-frictional ball bearings between the raceway and the shoulder, and means carried by the trunnion to retain the collar in position.

1,629,364. BALL. FRANK C. SCHOLLY, Philadelphia, Pa. Filed Nov. 18, 1925. Serial No. 69,848. 1 Claim. (Cl. 273—58.)



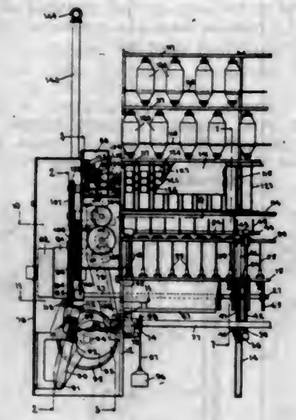
As an article of manufacture, a throwing play ball constructed of relatively hard rubber and provided with a relatively thick wall and being hollow, the wall of the ball interiorally thereof formed with an integrally enlarged overbalanced portion extending inwardly of the ball at one side of the centre thereof, said enlarged portion being substantially semi-circular and adapted to cause the ball to take various drops, up, out and in-shoots, according to the position of the enlarged portion prior to leaving the thrower's hand.

1,629,365. SPINDLE OF FLIER SPINNING, ROVING, AND ANALOGOUS MACHINES. WILLIAM PRINCE-SMITH and JAMES ROBINSON, Keighley, England. Filed Aug. 26, 1926, Serial No. 131,728, and in Great Britain Nov. 21, 1925. 5 Claims. (Cl. 118—57.)



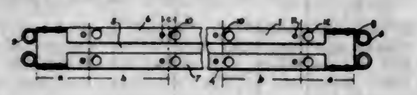
1. In flier-spinning, twisting, roving and analogous machines, overhead means offering support to the tops of the fliers during the spinning, roving or other operation, and means for withdrawing said support in order to permit said spindles to be doffed.

1,629,366. RING-SPINNING FRAME. EVERARD STUBBS, Springfield, Vt. Filed Feb. 2, 1922. Serial No. 533,507. 7 Claims. (Cl. 118—45.)



1. A ring spinning frame comprising two substantially parallel series or rows of spindles, a driving shaft for each row of spindles, gears mounted on each of said shafts and pinions mounted on the respective spindles, each pinion being in mesh with one of said gears, the shafts being below and parallel to the rows of spindles separated from one another a distance less than that between the rows of spindles, while the distance between the rows of spindles is less than twice the diameter of the gears, two series of spinning rings cooperating with the several spindles, a single rigid structure supporting both series of rings and mechanism operatively connected to raise and lower said structure and both series of said rings as a unit.

1,629,367. PARTITION UNIT AND CONSTRUCTION. URBAN C. THIES, Dayton, Ohio, assignor, by mesne assignments, to Robert E. Cowden, receiver, Dayton, Ohio. Filed Feb. 19, 1926. Serial No. 89,347. 23 Claims. (Cl. 189—34.)

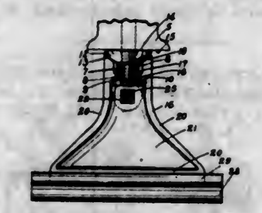


1. An elongated hollow square sheet metal structural part having one side open along its length at the center only and having the other three sides closed, and provided with a pair of parallel spaced cylindrical extensions at each end thereof extending toward said open side, said extensions being located at the corners of the ends and having a length approximately one-half the width of said part for the purpose described.

1,629,368. HANGER FOR TROLLEY WIRES. FRANCIS A. TICE, Cincinnati, Ohio, assignor to The Electric Railway Equipment Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 11, 1925. Serial No. 55,816. 5 Claims. (Cl. 191—43.)

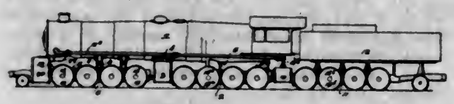
1. In a device of the class described the combination with an insulator having depending stud of a support collar adapted to be secured to the stud in abutment with the insulator, a rounded shoulder adjacent the abutment end of the collar, a flange on the opposite end of said collar for providing a second shoulder in spaced relation with the rounded shoulder on said collar, a pair of clamping jaws, having semi-circular grooves therein

for receiving the collar, semi-circular flanges disposed within the grooves and seating upon the second shoulder on the collar, inwardly tapered faces on each jaw abutting



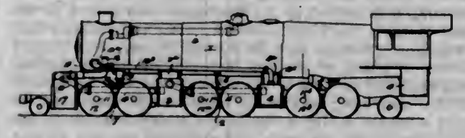
the rounded shoulder on the collar and means extending through the jaws for binding the jaws between the shoulders on the collar.

1,629,369. TRIPLE-EXPANSION MALLET LOCOMOTIVE. SAMUEL M. VAUCLAIN, Rosemont, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 71,406. 3 Claims. (Cl. 105—39.)



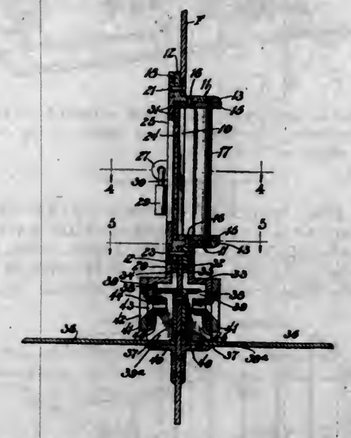
1. The combination in a triple expansion locomotive of the Mallet type, of a rear frame of the locomotive; a boiler secured to said frame; a forward frame connected by an articulated joint with the frame that supports the boiler, said boiler overhanging the said forward frame; low-pressure cylinders mounted on the forward frame; intermediate cylinders mounted on the frame that supports the boiler; a tender frame pivotally connected to the rear frame of the locomotive; high-pressure cylinders located at the forward end of the tender frame; pipe connections between the boiler and the high-pressure cylinders, between the high-pressure cylinders and the intermediate cylinders and the low-pressure cylinders; and an exhaust pipe connecting the low-pressure cylinders with a nozzle in the smoke-box of the boiler.

1,629,370. TRIPLE-EXPANSION MALLET LOCOMOTIVE. SAMUEL M. VAUCLAIN, Rosemont, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 71,407. 1 Claim. (Cl. 105—39.)



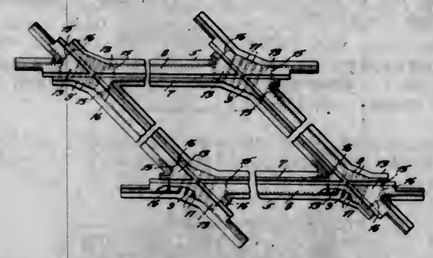
The combination in a triple expansion locomotive of the Mallet type, of a frame; a boiler to which the frame is rigidly secured; a forward frame connected by an articulated joint with the frame that supports the boiler, said boiler overhanging the said forward frame; low-pressure cylinders mounted on the forward frame; intermediate cylinders mounted on the forward end of the frame that supports the boiler and high-pressure cylinders mounted at the rear of the intermediate cylinders on the frame that supports the boiler; pipe connections between the boiler and the high-pressure cylinders, between the high-pressure cylinders and the intermediate cylinders, and between the intermediate cylinders and the low-pressure cylinders; and an exhaust pipe connecting the low-pressure cylinders with a nozzle in the smoke-box of the boiler.

1,629,371. OBSERVATION AND COMMUNICATION PERMITTING DEVICE FOR JAILS, ETC. DAVID FRANKLIN YOUNGBLOOD, San Antonio, Tex. Filed Aug. 4, 1926. Serial No. 127,137. 10 Claims. (Cl. 189—5.)



1. In a device of the character described, a wall having an opening therein, angle bars secured within the opening at the top and bottom thereof, vertical bars extending between and secured to said angle bars, a glass panel covering said opening, means for securing said glass panel in position, and means associated with the bottom angle bar and defining serpentine sound conducting passages for permitting communication through said wall.

1,629,372. TRACK STRUCTURE. VICTOR ANGERER, Ridley Park, Pa., assignor to William Wharton, Jr. & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1926. Serial No. 93,645. 14 Claims. (Cl. 246—464.)

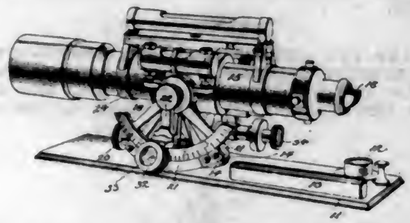


3. A track structure of the solid cast type whereof the head is tied to the base by a grid open to continuous fluid flow in heat treatment.

1,629,373. MICROSCOPE ATTACHMENT FOR SURVEYING INSTRUMENTS. EDWARD W. ARMS, Troy, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y., a Corporation of New York. Filed Oct. 20, 1925. Serial No. 63,751. 3 Claims. (Cl. 88—39.)

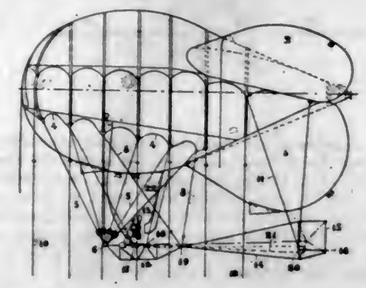
1. The combination of a geometrical instrument including a graduated arc; a microscope for reading the graduations on said arc; an arm pivoted to swing on an axis

substantially concentric with said arc; a carrier member directly supporting said microscope; and a hinge connec-



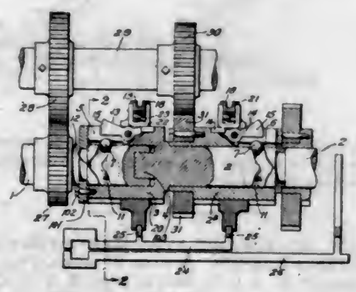
tion between said carrier and arm arranged to permit said microscope to swing into the space at the end of said arc when not in use.

1,629,374. BALLOON CAPABLE OF BEING EMPLOYED AS A CAPTIVE OBSERVATION BALLOON AND AS A DIRIGIBLE. LUIGI AVOGIO, Rome, Italy. Filed Nov. 11, 1925, Serial No. 68,403, and in Italy Nov. 29, 1924. 6 Claims. (Cl. 244—6.)



1. A transformable balloon to be employed as a captive balloon or as a dirigible comprising a gas bag, attachments for the car provided on said gas bag, in combination with two interchangeable cars, viz, an observation car and a propelling car, both provided with suspensions in correspondence with the attachments of the gas bag so that either one of them may be suspended from the gas bag.

1,629,375. COUPLING. HENRY E. BRICE, New York, N. Y. Filed Jan. 8, 1926. Serial No. 80,057. 8 Claims. (Cl. 192—30.)



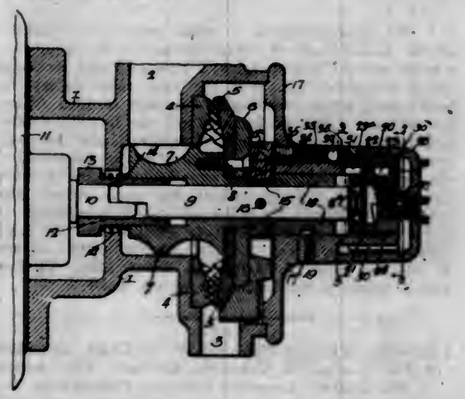
1. In a coupling for driving in either direction, the combination of a driving rotatable part, a driven rotatable part, a reciprocable member, movable in a plane parallel to the axis of said shafts, means on one of said parts for imparting reciprocation to said member upon rotation of said part, a swingingly mounted locking member, and means for holding said locking member out of the path of movement of said reciprocating member, to allow said parts to rotate independently of each other.

1,629,376. ATTACHING MEANS FOR MULTIGRAPH SIGNATURE PLATES. HOWARD T. BUCK, Cedar Knolls, N. J. Filed Nov. 13, 1926. Serial No. 148,250. 7 Claims. (Cl. 101—378.)



7. A device for detachably associating a type bearing element with a platen roll, said device including radially contractile means circumferentially embracing the platen roll and having a detent respectively engageable with the bearing element and platen roll.

1,629,377. FEED REGULATOR FOR GRINDING MILLS. JACOB S. BUCKWALTER, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 1, 1924. Serial No. 723,533. 4 Claims. (Cl. 83—7.)

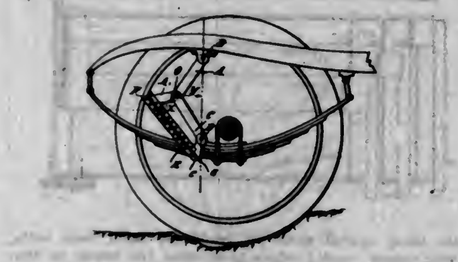


1. The combination in a grinding mill, of a body portion; a fixed disk secured to the body portion; a rotating shaft; means for rotating the shaft; a feed screw; a grinding disk carried by the feed screw and driven by the said shaft; a cap plate mounted on the body portion and having an extension open at the end; a cam disk located in the extension of the cap plate; means for preventing said cam disk turning in the extension; a cam block back of the cam disk; means for allowing the cam block to have a limited rotary movement; a sleeve mounted on the extension of the cap plate and enclosing the end thereof and means for connecting the sleeve to the cam block so that on turning the sleeve the cam block will be turned and adjusted in respect to the cam disk.

1,629,378. SHOCK-PREVENTING DEVICE FOR VEHICLES. EUGENIO CANTONO, Rome, Italy. Filed July 7, 1925, Serial No. 42,077, and in Italy July 29, 1924. 4 Claims. (Cl. 267—16.)

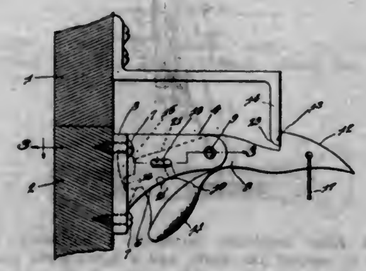
1. In a shock preventing device for vehicles in combination with a laminated spring, a frame, a pair of levers arranged between said spring and said frame, one

of said levers being pivoted at one end to the frame, the other of said levers being pivoted to the laminated spring and to said first lever, spring means combined with said



pair of levers and adapted to resiliently spread the two levers against approaching movements of the frame and the laminated spring.

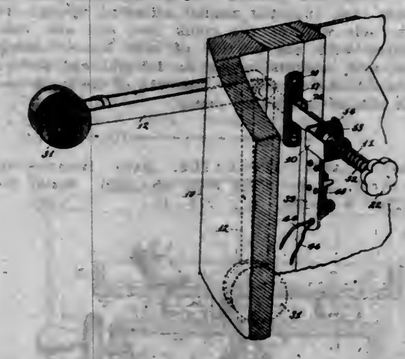
1,629,379. DOOR LATCH. MICHAEL M. DUDAS, Chicago, Ill. Filed July 17, 1925. Serial No. 44,325. 1 Claim. (Cl. 292—133.)



The combination with a stationary structural unit, and a structural unit movable relative to the stationary structural unit, of a bracket secured to the movable unit and having a recess formed therein and comprising spaced ears extending from the body of the bracket, a latch disposed between the spaced ears, said latch having an outer end portion provided with a shoulder, a stop bar carried by the stationary unit and adapted to be engaged by the shoulder, a projection on said latch extending into said recess and cooperating with said member to limit pivotal movement of the latch, a weight on said latch for normally retaining said latch in position to engage the stop bar, and a movable pin operable on said latch for releasably holding said latch in an inoperative position with respect to the bar.

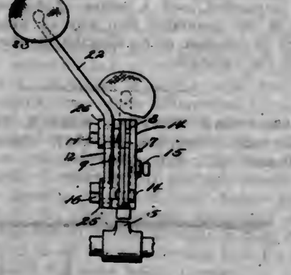
1,629,380. SIGNALING DEVICE. MAX GOLDMAN and RUBIN KARABAN, Brooklyn, N. Y. Filed July 6, 1925. Serial No. 41,828. 2 Claims. (Cl. 176—54.)

1. A signaling device including a mounting adapted to be fixed, a signal arm movably supported by said mounting, means for moving said arm, said means including a shaft mounted for turning and longitudinal movement on which said arm is mounted, a manipulator for effecting the turning and longitudinal movement of said shaft, holding means for holding the shaft against turning when brought to the signaling and non-signaling positions, said holding means comprising a member having spaced holes therein secured to said shaft, a relatively fixed pin adapted to be entered into either of



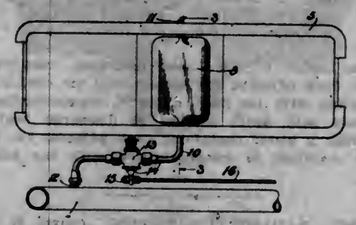
said holes by virtue of turning and longitudinal movement imparted to said shaft, and a spring serving to releasably maintain said pin in either of said holes.

1,629,381. AUTOMOBILE PEDAL. WILLIAM H. HILL, Chattanooga, Tenn. Filed Dec. 4, 1926. Serial No. 152,630. 5 Claims. (Cl. 74—81.)



1. The combination with adjacently located pedals, of a lateral pedal attachment carried by a part of one pedal extending into operative position with respect to the remaining pedal for operation of both pedals from one pedal or individual operation of each pedal.

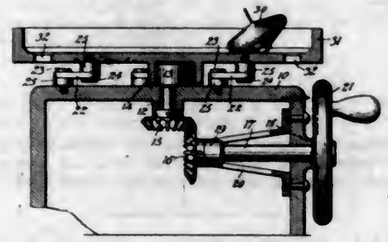
1,629,382. CRANK-CASE HEATER. FRANK H. HINKLEY, Erie, Pa. Filed June 23, 1926. Serial No. 118,105. 1 Claim. (Cl. 184—104.)



In a motor vehicle, the combination with the crank case and exhaust pipe, of a flat hollow casing normally covered by the oil in the crank case and having feet

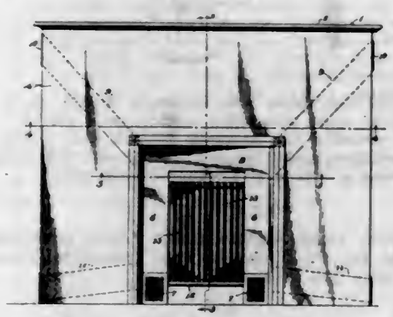
to positively maintain it in spaced relation to the bottom of the crank case, a conduit affording communication between the exhaust pipe and the interior of said hollow casing and passing through one side wall of the crank case, an outlet conduit extending through the opposite side wall of the crank case and also communicating with the interior of said hollow casing, each of said conduits having an integral end portion which is threaded through the side wall of the crank case and the side of said hollow casing.

1,629,383. GAME APPARATUS. SATO HISANOSUKE, New York, N. Y. Filed Sept. 18, 1926. Serial No. 136,284. 6 Claims. (Cl. 273—10.)



1. A game apparatus including an eccentrically rotatable turntable upon which a movable member is adapted to be supported, and a series of devices adjacent the edges of the turntable into any of which the movable element is adapted to be directed by the eccentric rotation of the turntable.

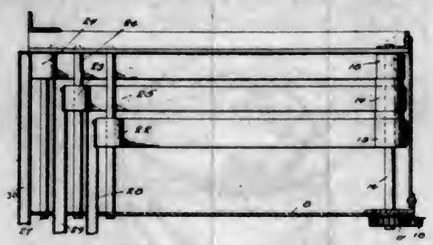
1,629,384. GAS HEATER. EARL R. HOLLAND, Mansfield, Tex. Filed Jan. 19, 1927. Serial No. 162,155. 4 Claims. (Cl. 126—134.)



1. A heater of the class described, comprising a burner, flues adjacent the burner, cold air conduits communicating with the flues, ducts in communication with the flues said ducts serving to discharge heated air therefrom, a water containing tank adjacent the burner, and a manifold in communication with the tank and ducts.

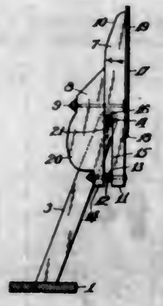
1,629,385. NAIL-SORTING DEVICE. OLIVER H. HOVDA, Billings, Mont. Filed Mar. 1, 1926. Serial No. 91,555. 2 Claims. (Cl. 209—102.)

1. A nail sorting device comprising a slotted framework having angle strips for diverting the nails to the slots, and a series of superposed belts having their adjacent runs disposed in the slots, the adjacent runs of the



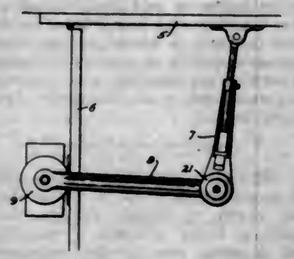
belts being spaced apart in graduated scale, said belts having upper beaded edges to receive the heads of the nails.

1,629,386. GAME APPARATUS. SAMUEL HUMMERSON, Clay Township, Carroll County, Ind. Filed Sept. 30, 1926. Serial No. 138,752. 5 Claims. (Cl. 273—102.)



1. A game apparatus including a horisontal shaft, means to support the shaft, and a figure plate provided with a holder having a shifting pivotal connection with the shaft permitting overturning and vertical shifting of the holder.

1,629,387. DOOR HOLDER. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 16, 1926. Serial No. 135,781. 8 Claims. (Cl. 16—65.)



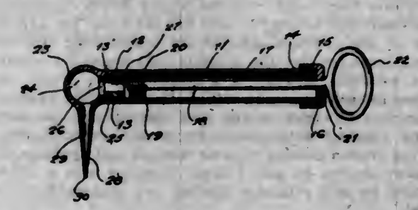
1. In a door holder, a pair of arms pivotally connected to each other, one of said arms having two arcuate cam surfaces on one side thereof, and wedging means coacting with said cam surfaces for limiting the swinging movement of said arms.

1,629,388. SEALED PADLOCK. ARTHUR C. JACKSON, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Co., Stamford, Conn., a Corporation of Connecticut. Filed Nov. 17, 1925. Serial No. 69,649. 2 Claims. (Cl. 70—97.)



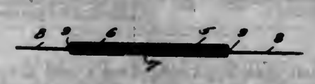
1. The combination in a padlock, of a casing having slotted front and back plates; a slotted locking-bolt and a slotted tumbler, the slots in said locking-bolt and tumbler being in line with the slots in the casing when the bolt is in the locking position; and a sealing band extending trough the casing slots and engaging the bolt and the tumbler.

1,629,389. FOUNTAIN COMB. ALBIN H. JOHNSON, Chicago, Ill. Filed Mar. 17, 1926. Serial No. 95,876. 1 Claim. (Cl. 132—13.)



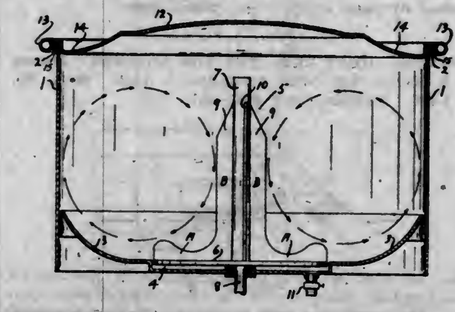
In a device of the class described including a body defining a chamber, teeth formed integral with said body and depending laterally therefrom defining tapered passages in communication with said chamber, a handle comprising a barrel and having a reduced end portion externally threaded for threaded engagement with said body and provided internally with passage communication between said barrel and chamber, substantially as shown, said handle extending at lateral right angles to the body intermediate the extremities thereof, means comprising a piston and plunger snugly slidable lengthwise in said barrel, and oppositely disposed cup washers comprising said piston.

1,629,390. END-LOCKED SANITARY NAPKIN. ROBERT W. JOHNSON, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey. Filed Dec. 29, 1925. Serial No. 78,187. 1 Claim. (Cl. 128—290.)



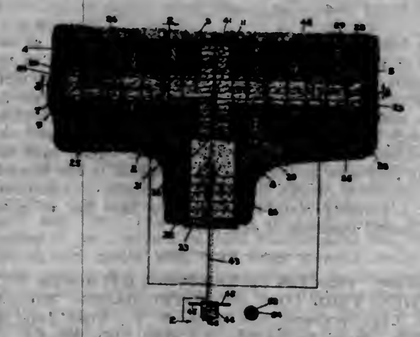
A single use sanitary napkin, comprising top and bottom gauze strips joined by transverse lines of stitching to provide a pad pocket open on two sides, the strips being continued to provide attaching means, and a pad adapted and arranged to be retained in said pocket without positive connection to the strips whereby it is capable of ready disposal.

1,629,391. WASHING MACHINE. CHARLES THOMAS KEMP and NORMAN EDWARD RYCKMAN, Hamilton, Ontario, Canada, assignors to The Coffield Washer Company of Canada Limited, Hamilton, Ontario, Canada. Filed May 3, 1926. Serial No. 106,490. 3 Claims. (Cl. 259—101.)



1. An agitator for a washing machine comprising a flat disc like base, a central standard upstanding axially therefrom, four fins, each fin comprising a lower portion upstanding from the base and an upper portion projecting laterally from the standard, the marginal edges of the lower portions merging into those of the upper portions, said fins disposed in opposed pairs about the agitator, the fins of each opposed pair being similar and lying in parallel planes perpendicular to the planes of the other opposed pair, and the planes of each opposed pair offset laterally on opposite sides of the diametrical plane parallel to said pair, the lower upstanding portions of all fins being similar and of concavo-convex profile with the convex portions outermost, the upper portions of one opposed pair being of substantially uniform lateral width throughout the greater portion of their height and the upper portions of the other opposed pair being of uniformly decreasing lateral width throughout their height, the upper portions of all the fins merging into the standard at substantially the same height thereon.

1,629,392. STORAGE PLANT TO PRESERVE BY NATURE. JAMES BALLARD KILLION, Washington, Ind. Filed Feb. 19, 1926. Serial No. 89,855. 12 Claims. (Cl. 72—11.)



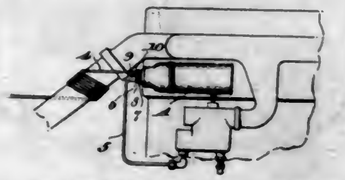
9. A potato storage comprising an earth enveloped structure having a storage room floor and an irrigating floor under same; elevated bins for the potatoes, having

ventilated bottoms in conjunction with said storage room floor thru which the atmosphere rises by natural draft action, said storage room floor being otherwise draft tight to concentrate the atmospheric movement thru said bottoms.

1,629,393. COMPOSITION FOR USE IN MAKING SULPHATE OR KRAFT PULP AND PROCESS OF MAKING SAME. HERMAN B. KIPPER, Muskegon, Mich. Filed Nov. 26, 1924. Serial No. 752,465. 8 Claims. (Cl. 92—9.)

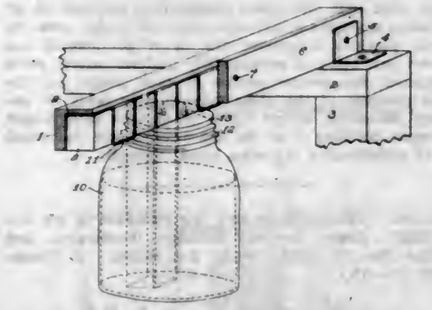
1. A composition for making kraft pulp comprising sodium hydrogen sulphate and "fished salts."

1,629,394. HEAT RETAINER FOR ENGINES. JOSEPH B. KITCH, Ely, Nev. Filed Jan. 9, 1925. Serial No. 1,466. 5 Claims. (Cl. 257—241.)



1. The combination with an internal combustion engine, and a source of fuel supply communicating therewith, of means for heating the fuel passing to the engine, and heat insulated means for receiving and retaining the heated fuel when the engine has stopped for use in assisting the starting of the engine.

1,629,395. VERMIN-DESTROYING HENROOST. JOSEPH KYLE, Greene, Iowa. Filed Oct. 16, 1926. Serial No. 141,922. 1 Claim. (Cl. 119—25.)

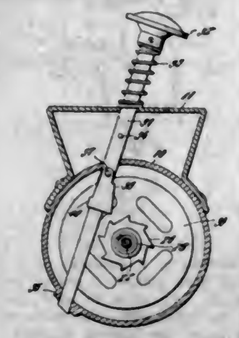


A roost bar having a longitudinal kerf opening at one side of the bar near its top and extending nearly to the opposite side, said bar having numerous transverse kerfs opening at the under face of the bar and opening upwardly into said longitudinal kerf, a porous wick-strip threaded through said communicating kerfs through the bar, and depending into a supply of vermicidal liquid, said bar being porous to be saturated by the liquid in the contacting wickstrip drawn thereinto by capillary attraction, and a covering plate mounted upon said bar to cover the lateral openings of said kerfs.

1,629,396. PROCESS OF REMOVING HYDROGEN SULPHIDE FROM COAL OR WATER GASES. WILLIAM E. LEUCHTENBERG, New York, N. Y. Filed July 20, 1925. Serial No. 44,925. 5 Claims. (Cl. 23—4.)

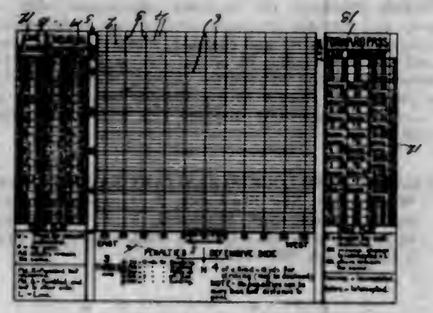
2. In a process for removing hydrogen sulphide from coal or water gases by treating the gases with an alkali carbonate solution to absorb the hydrogen sulphide, then activating the solution containing the hydrogen sulphide by passing the foul solution counter to a flow of air, the improvement which consists in removing the hydrogen sulphide from the air by passing the air through a body of iron oxide moving in the opposite direction.

1,629,397. HEADLIGHT-CONTROL SWITCH. EDWARD LEWIS and HARRY LEWIS, Chicago, Ill. Filed Feb. 13, 1926. Serial No. 88,089. 2 Claims. (Cl. 200—6.)



1. In a switch device of the character described, a cylindrical casing of metal having its ends closed with heads of insulating material, a shaft extending centrally through both heads and arranged longitudinally of the casing, a plurality of contact members carried by one head, a disk of insulating material rotatably mounted upon said supporting shaft and carrying contacts adapted to coact with said first-named contacts, spring means surrounding said shaft and bearing against one head and the adjacent end of the rotatable member for maintaining frictional engagement between the contacts, and means for rotating said rotatable member to a predetermined extent, said means comprising a supporting member secured exteriorly upon the cylindrical casing, said support and the casing being provided with openings arranged in alinement, a spring pressed plunger slidable through said openings, and a pawl pivoted on said plunger, together with a ratchet carried by said rotatable member and engageable by the pawl.

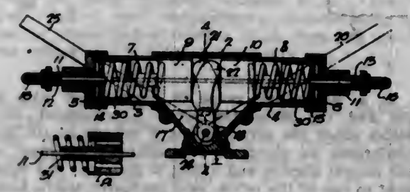
1,629,398. FOOTBALL GAME. THEODORE A. LINK, Chicago, Ill. Filed July 31, 1926. Serial No. 126,248. 1 Claim. (Cl. 273—94.)



A foot ball game board comprising a field having longitudinally and transversely disposed yard lines, one end of said board being the offensive end, and the other end of the board the defensive end, drop kick and goal columns at one side of the offensive board and under sub titles of

west, center and east, numbers beside said items of the columns punt and kick and return, and punt kick off columns at the offensive side of the board and having various values thereunder in an east and west and center relation to the board, said values being numbered, forward pass values under east, center and west columns at one side of the defensive portion of the board and having numbers beside the same, line plunge and end run values east and west and center at the opposite side of the defensive portion of the board, said values being numbered, the numbers of the values corresponding with the possible throws of a predetermined number of dice.

1,629,399. SPRING CONSTRUCTION. HARRY G. LORD, Philadelphia, Pa. Filed Jan. 14, 1922. Serial No. 529,107. 15 Claims. (Cl. 267—20.)



8. The combination of a casing; two spindles journalled therein; two plungers guided in the casing; springs operative on the plungers; cam arms fixed to the spindles respectively and projecting between the plungers; with load-supporting arms connected to the spindles.

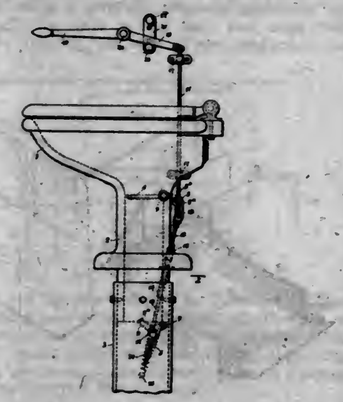
1,629,400. AUTOMOBILE SEMAPHORE SIGNAL. CLINTON C. LOVEJOY, Long Island City, N. Y. Filed Sept. 2, 1926. Serial No. 133,240. 4 Claims. (Cl. 116—51.)



1. A semaphore signal for automobiles, including a signaling arm adapted to normally lie flat against the top of the automobile, and means for moving said arm to signaling position, said means including a rotatable element to which the arm is connected, the arm being disposed at approximately an angle of 135° to the plane of the rotatable element, and the rotating element rotating in a plane of approximately 45° to the roof of the car whereby rotation of the element through 180° swings the signaling arm from its normal inoperative position to vertical position.

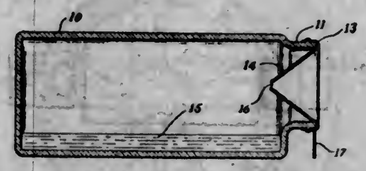
1,629,401. SANITARY ODORLESS TOILET. JAMES H. MCCALL, Huntingdon, Tenn. Filed Dec. 19, 1923. Serial No. 681,613. 2 Claims. (Cl. 4—8.)

1. In a toilet having a pair of pivoted cups controlling the outlet thereof, means for operating said cups whereby one cup is closed after which the other cup is opened, comprising cams connected to the respective cups, and a pivotally jointed rod, means for individually guiding



the sections to reciprocate longitudinally, said rod sections being provided with projections which cooperate individually with the respective cams.

1,629,402. TRAP. CARL MARCH, Chicago, Ill. Filed Sept. 8, 1926. Serial No. 134,317. 1 Claim. (Cl. 43—121.)

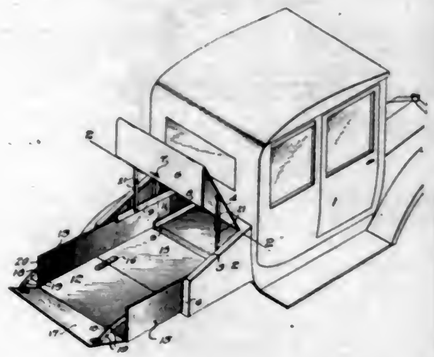


An insect trap comprising a jar of uniform diameter throughout the major portion of its length, and including a transparent portion and a roughened substantially opaque portion, said receptacle being adapted to be partly filled with liquid, a reduced neck formed on one end of the jar, a cap threaded on said neck and formed with a conical-shaped portion projecting within the jar and having an elongated slot along the reduced end thereof, and a wall depending from said cap at a right angle to said neck and terminating flush with one side of the jar to repose upon the support upon which the jar is mounted.

1,629,403. CONVERTIBLE VEHICLE BODY. CARL ANTON MARWAHN, Oshkosh, Wis. Filed Apr. 10, 1924. Serial No. 705,696. 2 Claims. (Cl. 296—26.)

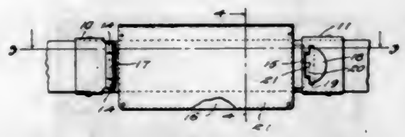
1. An extension body for motor vehicles having a rear storage compartment including side walls, comprising longitudinally extending guides adapted to be secured to the inner portions of the side walls of the storage compartment, said guides being provided with flanges at their upper and lower edges, and an auxiliary truck body adapted to be arranged in said compartment and slidable in said guides, said body being movable inwardly wholly within said storage compartment to inoperative position and movable rearwardly to partially extend outwardly from the storage compartment in an operative position, said body comprising a bottom and side walls, and an auxiliary bottom hinged at its rear end to the forward end of said bottom and normally forming a continuation thereof when said truck body is in operative position, a portion of the forward end of said bottom

when in operative position being arranged to contact with one of said lower flanges to prevent inward sliding movement of said truck body, said auxiliary bottom being



adapted to swing rearwardly to a position wholly above said first named bottom to permit said truck body to slide inwardly to inoperative position.

1,629,404. POCKET ATTACHMENT FOR BELTS. FRANK P. MITCHELL, Wilmington, Ill. Filed June 26, 1926. Serial No. 118,773. 6 Claims. (Cl. 224—26.)



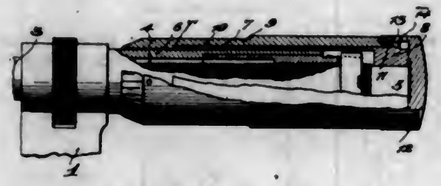
2. In combination with a belt, a plate hinged thereto and swingable about the hinges thereof to place either face of the plate in opposition to the belt, a pocket formed upon one face of the plate and means for locking the free end of the plate to the belt with said face of the plate in opposition to the belt.

1,629,405. HANDLE FOR ASSEMBLING PARTS OF ELECTRIC FIXTURES. HENRY T. PAISTE, Philadelphia, Pa., assignor to H. T. Paiste Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 31, 1924. Serial No. 703,201. 2 Claims. (Cl. 29—84.)



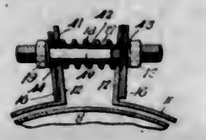
1. A handle for assembling parts of an electric lamp socket, said handle being tubular in form to receive the shell of a lamp socket, and having means for holding the shell of a socket while being applied to the cap of a socket.

1,629,406. MICROMETER GAUGE. JOHN W. PARKER, Barrington, R. I., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Filed Aug. 6, 1926. Serial No. 127,558. 3 Claims. (Cl. 33—164.)



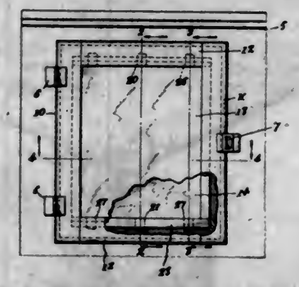
1. In a micrometer gauge in combination with the barrel and the measuring screw a graduated sleeve rotatable about the barrel having a cut-out on its inner circumference, an elongated tube abutting the inner end of the cut-out portion and a ring at its outer end rigidly secured to end of the screw, said graduated sleeve having a peripherally reduced and exteriorly threaded outer end and a cap engaged over the threaded end of the sleeve for frictionally locking the latter onto the ring of the tube.

1,629,407. WHEEL BRAKE. ALEXANDER PATUS and LOUIS NAGY, South Bend, Ind., assignors of one-third to N. E. May, South Bend, Ind. Filed Nov. 26, 1924. Serial No. 752,326. 1 Claim. (Cl. 188—194.)



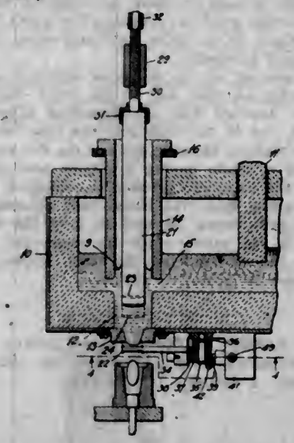
In a brake for the steering wheels of automobiles, a wheel, a brake drum carried thereby, a stub axle supporting the wheel, a disk plate associated with the drum and through which the stub axle extends, a split brake band enclosing the drum and having apertured end extensions, a bolt passing through the apertures of the end extensions, said bolt including an inner rod section having one end threaded and the remaining end provided with a transverse pin, an outer tubular section having a flanged end associated with the threaded end of the rod section and its remaining end externally threaded and associated with the remaining end of the rod section, the tubular section having diametrically opposed longitudinally extending slots within which the ends of said transverse pin are slidably arranged, and a nut on each threaded end; a pair of pivoted cross levers each having at one end a lateral extension which is apertured for the reception of said bolt and also being associated with the band ends, and manually controlled devices associated with the free ends of the cross levers to cause the lateral extensions of the same to shift the band extensions toward each other and move the band into engagement with the drum.

1,629,408. REFRIGERATOR DOOR. ALBERT ROGERS PEACOCK, Rome, Ga. Filed Jan. 17, 1925. Serial No. 3,091. 3 Claims. (Cl. 62—37.)



1. A refrigerator door comprising a door frame, a plurality of panes of glass mounted in said door in spaced relation with compartments therebetween, and means for permitting circulation of air from the interior of the refrigerator to said compartments.

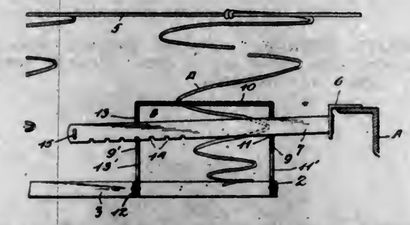
1,629,409. APPARATUS FOR SEPARATING MOLTEN GLASS INTO MOLD CHARGES. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 7, 1922. Serial No. 541,689. 11 Claims. (Cl. 49—55.)



3. In apparatus for segregating molten glass in mold charges, the combination of a container for the glass having a submerged discharge outlet, a member having a tubular end projecting into the glass in substantial alignment with the outlet and adjustable to different stationary positions, leaving a permanently open annular adjustable passage for the flow of glass to the outlet to regulate the weight of the mold charges, a plunger extending permanently past the said passage for effecting the periodic discharge of the glass admitted through the passage, and means for reciprocating the plunger to move its lower end toward and from said outlet from a position below the said passage.

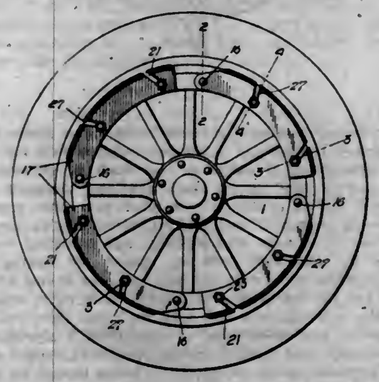
1,629,410. ADJUSTABLE SUPPORT FOR BED BOTTOMS. CORNELIUS B. PLATT and WILLIAM S. BROWN, Carthage, Mo. Filed Nov. 2, 1923. Serial No. 672,302. 2 Claims. (Cl. 5—209.)

1. The combination with a bed bottom frame, of adjustable means for supporting the same in a bedstead consisting of an upwardly extending frame rigidly secured to the bed bottom frame and formed of a pair of narrow vertical bars spaced apart and united at their upper ends by a connecting piece, the bars having formed in them narrow vertical slots, a vertically disposed supporting bar passing through the slots in the bars and being held against turning thereby, one edge of the supporting bar



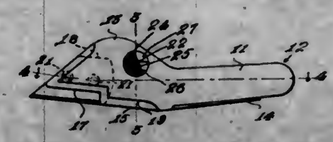
being notched, the notches adapted to selectively engage one of the slotted bars at the end of one of the slots to prevent it from being accidentally moved longitudinally, and a bracket carried at the outer end of the slotted bar formed with a flat horizontally disposed member adapted to rest upon the side rail of a bedstead.

1,629,411. RIM. CHARLES JOSEPH RABIDOUX and WILLIAM M. EINHORN, Blue Island, Ill. Filed Nov. 5, 1926. Serial No. 146,450. 3 Claims. (Cl. 301—35.)



1. A tire carrying rim comprising a main section that has its inner edge formed with a depending flange, a plurality of equidistantly spaced pivotally supported levers on the flange, an auxiliary rim section having a depending flange designed to rest on the outer edge of the first mentioned flange, co-engaging means between the flanges for preventing independent circumferential movement thereof, said levers designed to be swung against the auxiliary rim section for holding both sections associated and removable locking means for the levers.

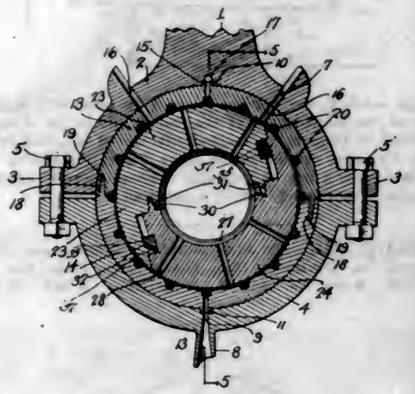
1,629,412. FUR KNIFE. KOSTA RELICH, New York, N. Y. Filed Mar. 17, 1926. Serial No. 95,889. 3 Claims. (Cl. 30—9.)



1. A knife comprising a pair of hingedly connected sections, a removable blade supported between said sections, and co-acting means between said sections engagable

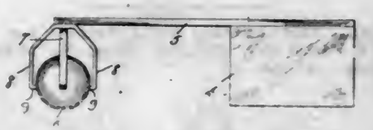
when said sections are in a closed position for locking said blade therebetween, said co-acting means including a turnable member carried by one of said sections for passage through an opening in the other of said sections and for seating engagement in a recess in the outer face of said last mentioned section.

1,629,413. BEARING. CHARLES HERBERT REYNOLDS, Canton, Ohio. Filed Apr. 21, 1926. Serial No. 103,576. 1 Claim. (Cl. 308—237.)



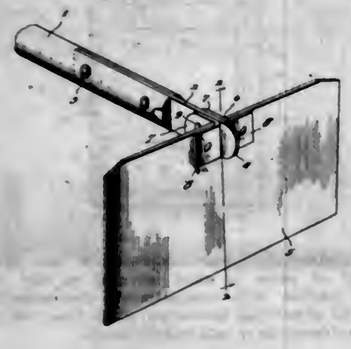
The combination with a crank shaft and a piston connecting rod therefor, of a bearing between said rod and shaft, comprising an outer member fixed on the rod, an inner member fixed on the shaft, revoluble therewith and finding a bearing in the outer member, said outer member comprising segmental ring sections, interengaging tongues and grooves between said sections, anti-frictional rollers carried by said outer member, means for locking the outer member in the rod, said outer member having spaced ports, and the rod being also provided with ports aligning with the bearing ports and with cups that surround the said ports, said inner member comprising a plurality of ring sections, said sections having peripheral stepped overlying portions, spring influenced latching means for locking the inner bearing sections and for securing said sections on the crank shaft, and said inner bearing member having ports communicating with the center thereof and designed to register with the first mentioned ports.

1,629,414. PAPER WEIGHT. ROY A. RIDDLE, New Orleans, La. Filed Oct. 4, 1926. Serial No. 139,450. 1 Claim. (Cl. 120—82.)



A movable paper weight arrangement, comprising a solid block, an arm projecting from said block, a downwardly projecting cage attached to said arm near the outer end thereof and provided with engaging claws, and a ball mounted in said cage and normally rotatably held therein by said claws but adapted to project beneath said claws when the said block is supported on a flat surface.

1,629,415. HOE. ALLEN H. ROGERS, Westmoreland Depot, N. H. Filed July 29, 1926. Serial No. 125,781. 2 Claims. (Cl. 97—70.)



1. An implement of the character specified comprising a blade having an open slot in its upper edge portion, wings projecting from the blade in line with opposite sides of the slot, and a handle extending between the said wings and through the slot of the blade and pivoted to said wings to hold the blade substantially perpendicular to the handle when the implement is drawn rearwardly and to admit of the blade feathering when the implement is pushed forwardly.

2. An implement of the character specified comprising a blade having an open slot in its upper edge portion, angle irons disposed with corresponding wings passing through the slot of the blade and the other wings overlapping the blade at opposite sides of the slot and secured thereto, and a handle having a portion passing through the slot of the blade and between the wings of the angle irons projecting from the blade and pivoted to said wings, the parts being disposed to hold the blade perpendicular to the handle when the implement is drawn rearwardly and to admit of the blade feathering when the implement is pushed forwardly.

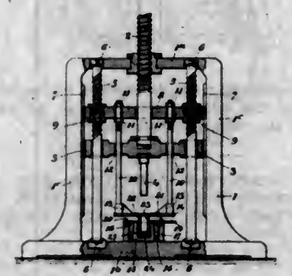
1,629,416. SAFETY RAZOR. JOSEPH ROMAN and MAX ROMAN, Brooklyn, N. Y. Filed Dec. 15, 1925. Serial No. 75,588. 2 Claims. (Cl. 30—12.)



1. A safety razor, including a blade having laterally spaced notches in its rear edge, and a holder therefor, said holder comprising a flat, wide handle portion and a transversely curved blade-supporting portion disposed at an obtuse angle from the free end of the handle, guard teeth formed at the free forward edge of the blade-supporting portion, a pair of upstanding front and side abutment lugs at the free corners of the blade-supporting portions,

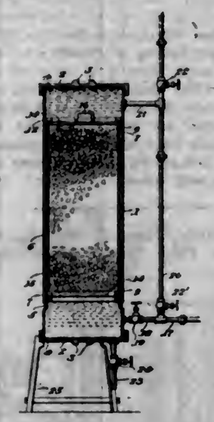
and resilient blade-engaging and retaining arms secured to the opposite side edges of the handle having hooked terminals engaging with the notched rear edge of the blade.

1,629,417. PRESS FOR PRESSING HOLLOW BRONZE OBJECTS. ALWIN SCHMITZ, Erfurt, Germany. Filed Sept. 8, 1925. Serial No. 55,114. 3 Claims. (Cl. 207—2.)



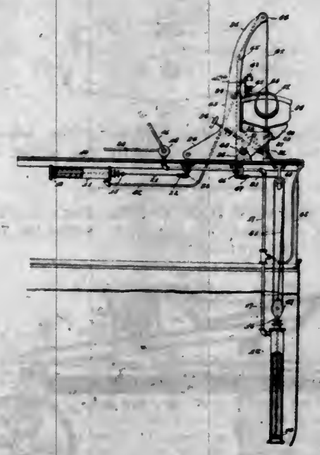
1. A press for forming hollow objects, comprising a matrix for determining the cross sectional dimension of the object to be formed, a counter-socket arranged within said matrix and adapted to rise against the pressure of the extruded material as the latter rises in the matrix under the pressure of a punch, and brake means exercising a retardative control upon the rise of said counter-socket and imposing a counter-pressure upon the extruding material so as to prevent said material from cracking and at the same time condensing it.

1,629,418. FILTER. SIDNEY L. SMITH, Pittsburgh, Pa. Filed Sept. 22, 1926. Serial No. 137,089. 1 Claim. (Cl. 210—144.)



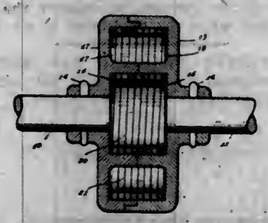
A filter of the class described comprising a casing, a screw cap closing each end thereof, a filtering medium in the casing comprising a cylinder containing filtering material, gaskets between the cylinder and the casing, a screen at each end of the cylinder, a ring fastened to each end of the cylinder for holding the screen in place, each ring having a rib and each end of the cylinder having a groove for receiving the rib and the edge of the screen and a handle on the top ring.

1,629,419. BOAT-LAUNCHING DEVICE. HENNING L. SORENSEN, Allentown, Pa. Filed Nov. 9, 1925. Serial No. 67,957. 6 Claims. (Cl. 9—22.)



1. A boat launching device which comprises a pivoted davit supporting a boat and adapted to tilt due to the weight of the boat, fluid controlled means connected to the davit for controlling the speed of tilting and means loosely supported in the boat under the control of an operator for controlling said fluid means.

1,629,420. MULTIPLE-SPRING CLUTCH. WILLIAM CARLETON STARKEY, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed May 25, 1925. Serial No. 32,622. 12 Claims. (Cl. 192—41.)

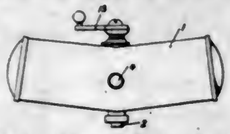


5. In combination, two relatively rotatable members, said members being provided with alined central recesses and with alined annular recesses, and two coil springs in said circular recesses and in said annular recesses respectively and adapted to engage the walls thereof so that when said two members tend to rotate relatively in a direction to unwind one of said springs such spring will expand and firmly grip the walls of its associated recesses.

1,629,421. FLUSH DEVICE FOR WATER-CLOSETS. ROBERT STICKDORN, Munich, Germany. Filed Feb. 27, 1926, Serial No. 91,126, and in Germany Mar. 7, 1925. 1 Claim. (Cl. 4—20.)

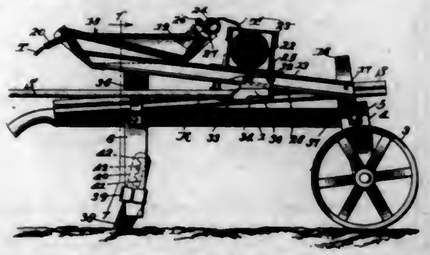
A device for controlling the flush in flush devices for water closets comprising an air reservoir adapted to communicate with the flush-pipe, a casing in said reservoir, a vertical differential piston the largest part of which is uppermost adapted to move freely in the casing and to close the communication of the air chamber on one hand with the casing and on the other with the flush pipe when it is respectively in its higher and lower position, a water supply pipe opening in the casing in front of the piston, threads provided on the

piston, a threaded spindle cooperating with the said threads and adapted to rotate without moving longitudinally, a crank controlling said piston, and means



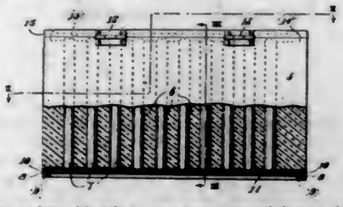
for preventing the rotation of the piston whereby it is caused to move vertically under the action of the crank.

1,629,422. TOBACCO HARVESTER. JOHN C. TRULOVE, Shoals, N. C. Filed Oct. 20, 1924. Serial No. 744,725. 6 Claims. (Cl. 131—21.)



6. An implement of the character described comprising a wheeled frame including handles, legs carried by the frame extending above the handles, a trough for receiving tobacco leaves being mounted on top of said legs to space the trough above the handles, means for supporting a stick beneath the trough and in position to permit tying the tobacco leaves in bunches thereon, feet consisting of slotted and recessed plates carried by the legs, said feet having bands holding them in place on the legs, and pins on the legs occupying the slots being fitted in desired ones of the recesses to support the trough at various altitudes when the implement is set down.

1,629,423. SAFETY BLASTING-CAP BOX. ANTON TURK, Johnstown, Pa. Filed May 20, 1925. Serial No. 31,581. 2 Claims. (Cl. 206—3.)



1. A safety blasting cap box comprising a block having a plurality of vertical openings therethrough forming cap receiving wells, strips of yielding packing material secured on the top and bottom of the block and closing the ends of the wells, one of said strips being readily removable to permit opening of the wells and access to the caps, and open frames attached to the top and bottom of the block and engaging the margins of the yielding strips for securing the latter in place, one of said frames being readily movable to release the associated strip and permit opening of the wells and access to the caps.

1,629,424. TOY OR DOLL HOUSE CONSTRUCTION. FLORENCE ROSENA WALKER, Marcellus, N. Y. Filed Nov. 3, 1926. Serial No. 146,060. 1 Claim. (Cl. 35—16.)

A house of the character described, comprising two hingedly connected sections each comprising a front, a back, an end and a gable roof having eaves at the ends and front of the house, the roof stopping flush with the outer face of the back in each section, and the said



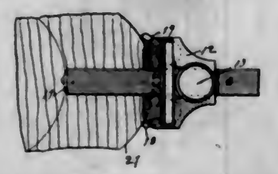
connection comprising hinges secured to the sections for movement of the sections relatively on an axis at the junction of the connected corners.

1,629,425. DIRECTION INDICATOR FOR AUTOMOBILES. RALPH WARDHAUGH, Brooklyn, N. Y. Filed Mar. 27, 1925. Serial No. 18,870. 2 Claims. (Cl. 177—329.)



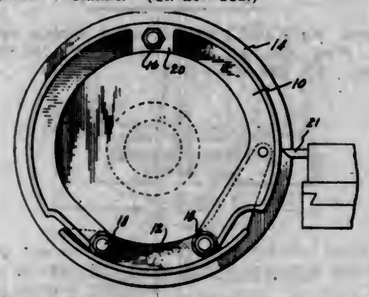
1. A casing for direction indicators for automobiles comprising a body having a plurality of arms radiating from a central point, means in each of said arms for supporting an electric lamp, a block fitted into the center of the body at the juncture of said arms, an electric lamp socket carried by said block and a plurality of contacts carried by said block, said contacts projecting to a point to be engaged by the respective center contacts of the lamps in said arms.

1,629,426. GAUGE. JOHN C. WELLER, Newark, Calif. Filed Apr. 16, 1926. Serial No. 102,497. 1 Claim. (Cl. 33—42.)



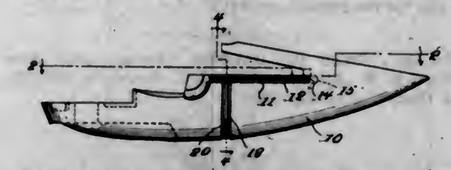
In a marker of the character described, a bar, a casting slidably positioned on said bar, a marker wheel secured to the end of said bar and extending below the lower surface thereof, a pair of freely pivoted members secured to said casting, said pivoted members being provided with arms formed at right angles to each other, said arms being adapted to contact the edge of a surface to be marked.

1,629,427. METHOD OF MANUFACTURING BRAKE SHOES. STANLEY WHITWORTH, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1926. Serial No. 148,372. 6 Claims. (Cl. 29—152.)



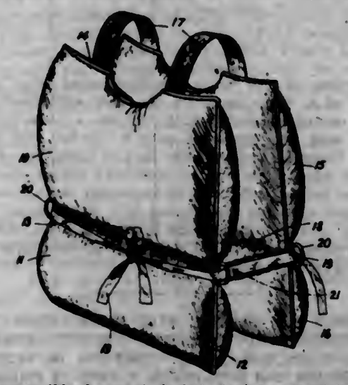
1. That method of manufacturing brake shoes which consists in casting as a unit two shoes adapted to be actuated by one cam, machining said shoes while a part of the unit and removing from the unit material approximating in extent the dimension of the cam adapted to be used to actuate the shoes.

1,629,428. SICKLE. JOHN C. ZELLER, Watford City, N. Dak. Filed June 20, 1925, Serial No. 38,494. Renewed Oct. 15, 1926. 2 Claims. (Cl. 56—311.)



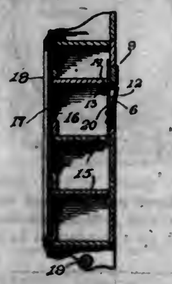
1. In a mower, a guard finger, said finger having a ledger plate seat, a ledger plate, means at one end of the seat for engagement by the plate to prevent independent upward movement of said plate, means to prevent sliding movement of the plate upon the seat and means extending around the finger and detachably engaging the plate to removably hold the latter in position.

1,629,429. BUOYANT WEARING APPAREL FOR SWIMMING OR LIFE-SAVING PURPOSES. JOHN BALDWIN ADAMS, Berhampore, Wellington, New Zealand. Filed Oct. 4, 1926, Serial No. 139,523, and in Great Britain June 15, 1926. 9 Claims. (Cl. 9—17.)



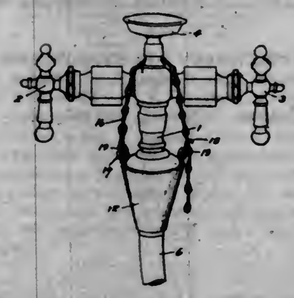
1. A reversible buoyant jacket device comprising two upper buoyant members, a lower buoyant member hingedly connected to each of said upper members, shoulder straps connecting the said upper members, and means for tying said upper members so as to leave the lower buoyant members free to swing about their connections thereto.

1,629,430. SUPPORT. ALEXANDER ALLEN, Providence, R. I. Filed July 30, 1926. Serial No. 126,056. 4 Claims. (Cl. 211—7.)



1. In combination, an article having a wall adapted to be disposed in contact with the wall of a room or the like and formed with a recess in the rear side thereof, inwardly projecting rigid flanges overlying the upper corner portions of the recess in spaced relation to the bottom wall of the latter, a bar adapted to be rigidly fastened to the wall of the room in a horizontal position and having reduced ends adapted to seat behind said flanges when the bar is seated in the upper portion of the recess, and a catch mounted in the recess and positionable to engage the lower edge of said bar for preventing its displacement in the recess from behind said flanges.

1,629,431. HOSE FASTENER. BENJAMIN W. BENNETT, San Francisco, Calif. Filed Oct. 21, 1924. Serial No. 744,990. 1 Claim. (Cl. 285—77.)

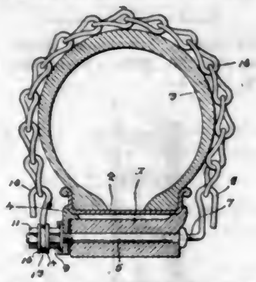


In combination, a hose terminating in a bead of increasing cross-section adapted to be slipped over the spout of a faucet, a sheet adapted to be folded around the bead so as to form a cone with overlapping edges and means for securing the near extremities of the edges to the body of the faucet causing the cone to contract and to be tightened upon the spout when the bead tends to recede, said sheet adapted to be unfolded from the bead when said securing means is released from said sheet.

1,629,432. ANTISKID DEVICE. GIUSEPPE BONACCORSE, Lawrence, Mass. Filed Feb. 28, 1925, Serial No. 12,398. Renewed Oct. 15, 1926. 1 Claim. (Cl. 152—14.)

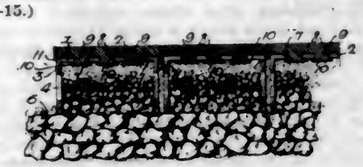
A device of the class described including a bolt having a central threaded bore, a hook having a shank at right angles thereto and threaded within said bore, a nut threaded upon the end of the bolt opposite the bore, an attaching lug loosely supported thereby, a second nut on

the bolt in alignment with the first nut, a washer between said nuts, a reduced part on the inner end of the second nut, a flange on the second nut between the body



thereof and the reduced part whereby to form a channel between the washer and said flange and a second hook member formed with an eye adapted to be mounted upon said reduced part.

1,629,433. PAVING BLOCK AND TILE. WILLIAM T. BONNER and JOSEPH W. THROPP, Trenton, N. J. Filed Mar. 10, 1923. Serial No. 624,227. 4 Claims. (Cl. 94—15.)



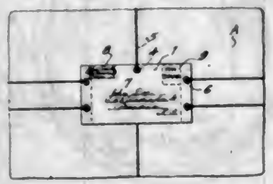
1. The combination in a paving block, or tile, of an open, flanged, metallic block, shaped to be imbedded in the face of a pavement and having perforations in its upper surface; and a series of buttoned projections extending through the perforations and engaging the block.

1,629,434. ATTACHMENT FOR HYDROMETER UNITS. LEON S. BRACH, East Orange, N. J., assignor to L. S. Brach Mfg. Co., Newark, N. J. Filed Mar. 6, 1926. Serial No. 92,666. 7 Claims. (Cl. 265—45.)



1. An attachment for a hydrometer receiving barrel comprising: a closure for one end of the barrel, a hollow stem carried by said closure and adapted to be inserted into a vessel containing a liquid, the specific gravity of which is desired to be measured, means attached to said closure and extending downwardly therefrom and a receptacle supported by said means substantially below the stem, said means being adapted to be moved so as to carry the receptacle away from its position below the stem so said stem may be inserted into said vessel.

1,629,435. PACKAGE CARD. ORUM T. BRIGGS, Indiana, Pa. Filed Aug. 27, 1924. Serial No. 734,502. 1 Claim. (Cl. 229—74.)



A shipping card comprising a blank formed of a major and a minor part, the minor part having its ends terminating short of the major part, the point of junction between the two parts scored so that one part can be folded over onto the other part to form a pocket, the outer marginal edges of each part having an eyelet, which eyelets are adapted to align when the parts are folded and the major parts having spaced eyelets at each end with all of said eyelets adapted to receive a tieing string therethrough for retaining the pocket in a closed position as and for the purpose set forth.

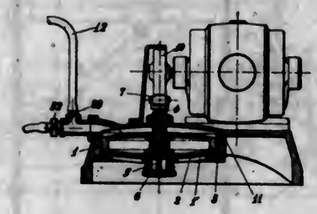
1,629,436. SWAB OR DAUBER. PETER CAPRI, New York, N. Y. Filed Sept. 24, 1926. Serial No. 137,539. 1 Claim. (Cl. 128—269.)



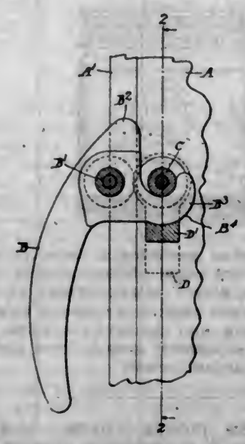
A device of the class described comprising a stem formed of a single piece of relatively stiff flexible wire having one of its ends bent to provide a hook, the other end of said wire provided with a handle, and a cone-shaped clamping jaw slidable on said stem for clamping the free edges of a wad of absorbent cotton about said stem for holding said wad of absorbent cotton over said hook, said clamping jaw formed of a single piece of wire helically wound to form said cone-shaped jaw, said wire being wound spirally about said stem substantially as and for the purpose specified.

1,629,437. APPARATUS FOR GENERATING, CONTROLLING, AND UTILIZING AIR CURRENTS. ERNESTO CURTI, Milan, Italy. Filed Dec. 28, 1923, Serial No. 683,254, and in Italy Jan. 8, 1923. 4 Claims. (Cl. 125—34.)

1. A generator for producing gas currents in different phases comprising a rotatable cam member, a cylinder, a piston reciprocating in said cylinder, a pipe communicating with the cylinder for placing the cylinder in communication with a gas operated tool, and means including the cam for moving the piston forcibly and rapidly in one direction and for moving it gradually and slowly in the opposite direction.



1,629,438. HOOK DEVICE. CHARLES W. DAKE, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Original application filed Aug. 11, 1922, Serial No. 581,081, Patent No. 1,569,215, dated Jan. 12, 1926. Divided and this application filed Mar. 7, 1924, Serial No. 697,457. 2 Claims. (Cl. 292—136.)



1. In a hook device including in combination a casing and a door hinged thereto, a pin on said casing and a latch pivoted on said door and provided with a hook for engaging said pin, a locking member pivoted on said pin and adapted when in one position to engage said hook to prevent its withdrawal from the pin, the lower face of said hook member being eccentric with relation to said pin and adapted to be wedged against the inner face of said locking member when in locking position.

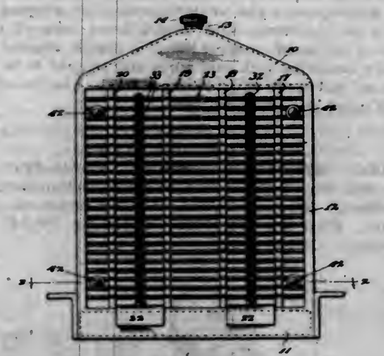
1,629,439. WINDSHIELD CONSTRUCTION. CARL E. DAWSON, Lakewood, Ohio, assignor to The Ohio Body & Blower Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 4, 1924. Serial No. 690,341. 6 Claims. (Cl. 296—89.)

2. In automobile body construction, the combination with frame members defining the windshield opening, of a sheet metal covering for said members having its edge portion extended over the inner sides of said members and then inwardly in a plane substantially parallel with that of the windshield, an angle piece having one of its flanges underlying said extended edge portion and its other flange spaced from and substantially parallel to the inwardly extended portion of the covering to effect therewith a channel, a glass pane having its edge



within the channel, and a binder of sealing material interposed between the edge portion of the pane and the opposed walls of the channel.

1,629,440. RADIATOR. ALBERT P. ECKHART, Shohola, Pa. Filed Feb. 18, 1925. Serial No. 10,071. 2 Claims. (Cl. 257—129.)



1. A radiator including a shell and having rows of vertical water tubes, a radiating plate unit removably fitting in the shell and formed to accommodate said tubes, and means securing the unit in position, said unit including a plurality of superposed plates, tie rods extending through the plates, and yieldable spacing members surrounding the rods between the plates and spacing the plates apart.

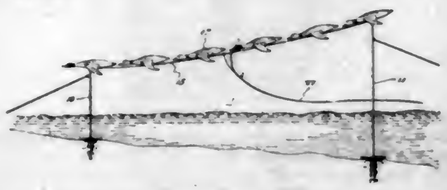
1,629,441. LEVER-TOP CAN. ROBERT OLIVER GEARY, Rockdale, Australia. Filed Jan. 29, 1924, Serial No. 689,289, and in Australia Feb. 17, 1923. 1 Claim. (Cl. 220—42.)



A container of cylindrical form, comprising a body, a top of circular form secured to the upper edge of said body, and formed with a central circular aperture, said top being also formed with an annular channel between said aperture and the outer edge of the top, the bottom of said channel inclining upwardly towards the centre of the top of the container, said top having also a down turned flange constituting the wall of said aperture, and a dished cap fitted within said down turned flange and having a

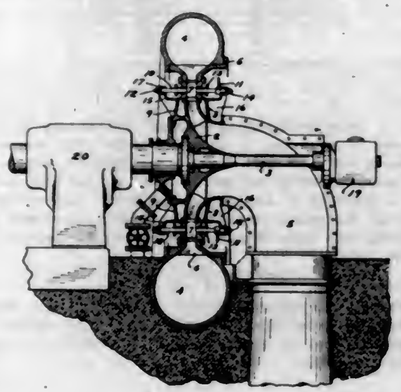
horizontal flange extending partly over said annular channel, the bottom of said channel being formed with radially disposed and upwardly pressed deformations extending under the flange of the cap to resist buckling of the top under pressure required to force the cap into the aperture.

1,629,442. FLYING-DUCK DECOY. JOSEPH R. GEISINGER, Grand Island, Nebr. Filed Sept. 22, 1923, Serial No. 664,298. Renewed Oct. 18, 1926. 2 Claims. (Cl. 43—3.)



2. A decoy comprising a supporting structure including spaced parallel strands of wire arranged on an inclined plane, a plurality of images representing ducks or geese mounted on said wires to afford the appearance of flying downwardly and about to light, means for securing said images to the wires, said images being adapted to be actuated by wind pressure, and a flexible element terminally connected with said wires and adapted to be used to cause movement of said images in the absence of sufficient wind for this purpose.

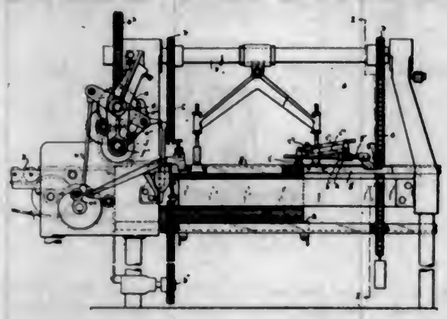
1,629,443. HYDRAULIC TURBINE. ARNOLD PFAU, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Mar. 31, 1922. Serial No. 548,543. 14 Claims. (Cl. 253—122.)



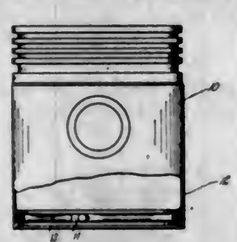
1. In a turbine, a movable guide vane, a movable stem supporting said vane, and a stationary stay bolt longitudinally penetrating said movable stem, said stem functioning to support said vane independently of said stay bolt.

1,629,444. SHEET-FEEDING MECHANISM. LESLEY R. TUTTS, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 13, 1925. Serial No. 22,659. 2 Claims. (Cl. 271—18.)

1. In sheet feeding mechanism of the class described, the combination with a sheet-supporting table, means for vertically adjusting the same from time to time, and a rearwardly positioned drag, comprising terminally pivoted links, a drag-member pivoted at the free ends of said links, and an adjustable weight associated with said drag, substantially as set forth.

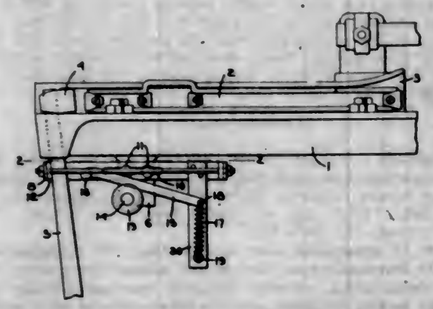


1,629,445. METHOD OF BALANCING PISTONS. CORNELIUS W. VAN RANST, Detroit, Mich. Filed July 7, 1925. Serial No. 41,997. 14 Claims. (Cl. 74—108.)



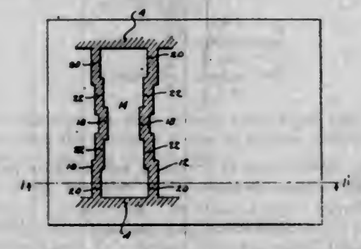
1. The process of producing a piston having a predetermined standard weight which consists in forming the piston below the desired weight, forming an engageable member on the piston adapted to support a weight member and then engaging with the said engageable member a weight member of sufficient mass to bring the piston up to the desired standard weight.

1,629,446. LOOM PICKER CHECK. NEM WILLIAM BRANNON, Greer, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 10, 1926. Serial No. 147,399. 4 Claims. (Cl. 139—165.)



1. A loom picker check comprising a picker loop mounted to be reciprocated bodily longitudinally on the lay by the picker stick and a lever and a lever engaging abutment located the one on the lay and the other on the picker loop and forced together to produce an accelerated braking action during the latter portion of the outward movement of the picker loop and a quick release during the latter portion of the inward movement of the picker loop.

1,629,447. FURNACE. OTTO DE LORENZI, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 4, 1925. Serial No. 54,404. 5 Claims. (Cl. 110—1.)



1. A boiler furnace having a combustion chamber having longitudinally extending side walls, and a roof having a relatively narrow gas pass extending transversely thereof and leading to the boiler, and increasing in width from substantially its center toward said side walls.

1,629,448. PROCESS OF MAKING LIGNO-TANNING MATERIAL FROM WASTE SULPHITE LIQUOR. VIGGO DREWSEN, Brooklyn, N. Y., assignor to West Virginia Pulp & Paper Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 14, 1919. Serial No. 277,094. 7 Claims. (Cl. 149—4.)

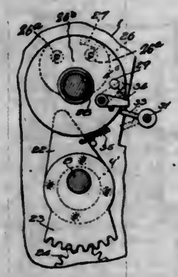
1. The process of producing a tanning material, comprising cooking waste sulphite liquor with lime at a temperature of about 130° C. until the ligno sulphonic components of the sulphite liquor are partly desulphurized and the sugary components of the sulphite liquor are converted into organic acids, with the formation of a complex precipitate, percolating carbon dioxide through the mass until it is neutralized, thereby precipitating calcium carbonate and calcium sulphite and redissolving various organic precipitated constituents, filtering to remove the precipitate, concentrating and treating the filtrate with an amount of sulphuric acid equivalent to its calcium content, thereby precipitating calcium sulphate and forming a soluble tanning material comprising ligno sulphonic acid in combination with organic acids.

1,629,449. VALVE-OPERATING DEVICE. GEORGE BETHUNE DUFFIELD, Detroit, Mich., assignor to Detroit Lubricator Company, of Detroit, Mich, a Corporation of Michigan. Filed Aug. 25, 1926. Serial No. 131,340. 14 Claims. (Cl. 251—45.)



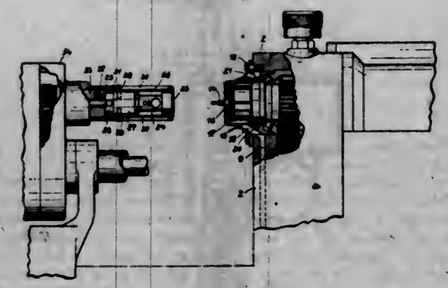
1. A device of the character described comprising a valve stem, a cap-piece on said stem and having a transverse bore, a handle member seated in said bore, and a fastening device extending through said cap-piece and engaging said member and stem to secure said member to the stem.

1,629,450. ENVELOPE FEEDER. CLAUDE L. POST, Chicago, Ill. Filed Mar. 19, 1924. Serial No. 700,403. 10 Claims. (Cl. 101—233.)



1. The combination with a pair of rolls, of means for separating said rolls whenever there is no material being fed thereto, a rotatable cam for actuating said separating means, yielding means for bringing said cam into a position wherein it will actuate said separating means, and means outside of said rolls and controlled by the material passing to said rolls for preventing said yielding means from bringing said cam into said position.

1,629,451. LUBRICATION FOR SCREW MAKING AND TURNING LATHES. LORENZ KONRAD BRAREN, Munich, Germany, assignor to the Firm Friedrich Beckel, Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. Filed June 9, 1924, Serial No. 718,724, and in Germany July 2, 1923. 9 Claims. (Cl. 29—53.)

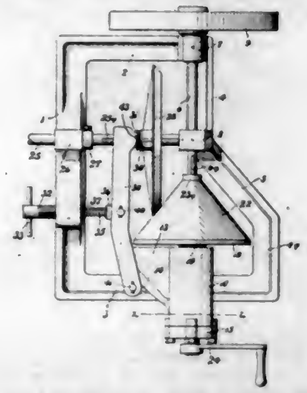


1. In a lubricating system, a holder for a work piece, a casing surrounding the holder including an end wall having an opening slightly larger than the work piece through which the latter is adapted to project, a lubricant supply source, and a pump adapted to force the lubricant to said casing and axially therefrom through said opening in a relatively thin stream upon that portion of the work piece projecting from the casing.

1,629,452. FRICTION DRIVE MECHANISM. ALFRED A. DENNIS, Grand Rapids, Mich. Filed Oct. 20, 1925. Serial No. 63,583. 5 Claims. (Cl. 74—26.)

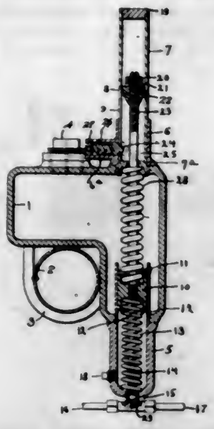
1. In combination, a driving shaft, a driven shaft, a cone pulley splined on the driving shaft, a cone pulley splined on the driven shaft and frictionally engaging the first pulley, means for shifting the said pulleys on their shafts for changing the speed of the driven shaft with respect to the speed of the driving shaft, a member mounted to bear against the driven pulley to force

it into frictional engagement with the driving pulley, spring means acting on said member and means shiftable with the driving pulley against which the member bears



for maintaining the force of the spring against said member constant at all positions of the pulleys with respect to each other.

1,629,453. AUTOMOBILE CHASSIS-LUBRICATING DEVICE. FREDERICK H. GLEASON, New York, N. Y. Filed Sept. 6, 1921. Serial No. 498,740. 16 Claims. (Cl. 184—7.)



14. A lubrication system for chassis bearings comprising such bearings, a reservoir for lubricant, a piping system connecting the reservoir to such bearings, a cylinder adapted to receive lubricant from the reservoir, a piston movable in the cylinder, a spring constituting the sole means for actuating the piston to expel lubricant from the cylinder through said piping system to the bearings, and a member for compressing the spring whereby the latter will actuate the piston to expel lubricant.

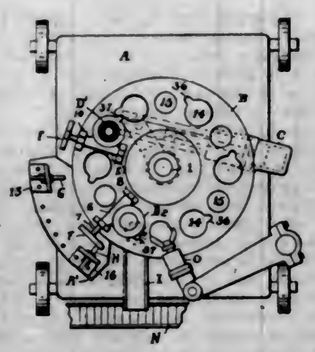
1,629,454. LATCH KNITTING NEEDLE. HARRY E. KATZENMOYER, Rosedale, Pa., assignor, by mesne assignments, to The Torrington, Company, Torrington, Conn., a Corporation of Connecticut. Filed Nov. 18, 1925. Serial No. 69,773. 3 Claims. (Cl. 66—121.)

1. A latch knitting needle comprising a shank formed with a latch-pivoting jaw and having a reduced extension with a hooked end, and a pivoted hook-closing latch adapted to provide a substantially straight line loop escaped guide, the portion of said extension which is adjacent to said latch-pivoting jaw being spaced away



from the closed latch to provide a substantially parallel-sided yarn space between them adjacent their intersections.

1,629,455. GLASS-FABRICATING APPARATUS. WILLIAM J. MILLER, Swissvale Borough, Pa., assignor, by mesne assignments, to William J. Miller, Inc., Swissvale, Pa., a Corporation of Delaware. Filed Sept. 10, 1923, Serial No. 661,812. Renewed Dec. 3, 1926. 15 Claims. (Cl. 49—35.

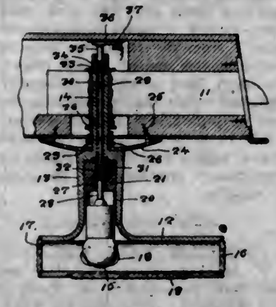


1. In a machine for fabricating articles of glass, the combination of a movable mold support provided with an aperture for the downward discharge therethrough of the fabricated article, a mold hingedly mounted on said support in such a manner that it may be inverted into registration with said aperture for discharging the article, means for inverting said mold after each fabricating operation, and means for returning the mold to its upright position before the next fabricating operation.

1,629,456. PARKING LIGHT. JOSEPH A. PELLEGRINI, Pittsburgh, Pa. Filed Oct. 23, 1925. Serial No. 64,426. 2 Claims. (Cl. 240—7.)

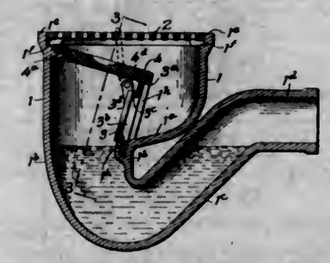
1. In combination with a door lock, a door handle comprising a hollow grip having glass covered openings therein and a hollow shank extending from the grip, a sleeve carried by and extending into the lock and adapted to operate the latter when the handle is operated, an insulated sleeve extending through the shank carried sleeve, a contact pin arranged within and insulated from

the shank, an electric bulb located within the handle and engaging the contact pin, a second contact pin carried by the door and extending into the insulated sleeve and



means engaging the door carried contact pin and extending through the insulated sleeve to provide electrical connection between the contact points.

1,629,457. COMBINED FLOOR-DRAIN AND BACK-PRESSURE WATER TRAP. WILLIAM V. BULMAN, Philadelphia, Pa. Filed Dec. 14, 1925. Serial No. 75,309. 2 Claims. (Cl. 182—15.)



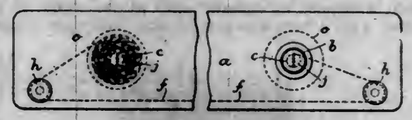
1. A combined drain and trap, comprising a body portion having an open upper end; a trap extending from the lower end of said body, the inlet to said trap being offset from the vertical axis of the body; a flange in said body over the trap inlet; a transversely disposed partition in the said body connecting with the ends of the flange, the upper edge of the partition lying in the plane of the face of said flange; said partition having a slot, and the edges of said slot being grooved; a valve plate in said slot having its edges packed into the grooves, the upper edge of the valve plate forming a continuation of the upper edge of the partition; and a cover removably seated on the flange, partition, and plate.

1,629,458. AUTOMOBILE MIRROR. BERN JASSEN, Brooklyn, N. Y. Filed Nov. 3, 1923. Serial No. 672,523. 14 Claims. (Cl. 45—97.)



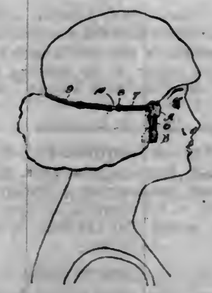
1. A device of the character described comprising a supporting member, mirrors carried by said member, and means associated with said member for mounting said mirrors whereby each can be independently adjusted with respect to the other on substantially vertical and horizontal axes.

1,629,459. MEMORANDUM APPLIANCE. WILLIAM LIONEL JENKINS, London, England. Filed Oct. 27, 1926. Serial No. 144,420, and in Great Britain Nov. 2, 1925. 2 Claims. (Cl. 2642—68.)



1. A memorandum appliance comprising a casing, a pair of winding rollers rotatably mounted in the casing, a band of paper adapted to be wound from one roller on to the other, idle rollers rotatably mounted in said casing over which the band of paper passes and is guided thereby part of the band being exposed and lying flat on the face of the casing, the said winding rollers being of a spindle-like form made in two longitudinal pieces between which the ends of the band of paper is held, the ends of the said two longitudinal pieces being tapered and located and held together by cup-shaped sockets, one of said sockets for each roller being mounted on the casing and the other on an axially-movable spring-pressed winding spindle positioned in and passing through the casing.

1,629,460. FACIAL-WRINKLE-REMOVING DEVICE. HARRY A. SKINNER, New York, N. Y. Filed Dec. 20, 1924. Serial No. 757,291. 2 Claims. (Cl. 128—76.)



1. In a wrinkle removing device, which comprises a pair of patches adapted to be disposed closely adjacent each other on the flesh and each having a foundation surface of cloth or fabric, an adhesive surface on each patch, resilient connections between said patches, a resilient connection to one of said patches having a loop in its end, and a band of resilient material adapted to pass around the head of the user, a hook on the end of said band adapted to be connected to said loop.

1,629,461. CHEWING GUM. WILLIAM H. BERG, South Orange, and RAYMOND C. WHITMAN, Chatham, N. J., and ERNEST F. AAB, Astoria, N. Y., assignors to Health Products Corporation, Newark, N. J., a Corporation of New Jersey. Filed Apr. 22, 1926. Serial No. 103,969. 5 Claims. (Cl. 99—16.)

1. A chewing gum comprising a chewing gum base having incorporated therein a medicinal preparation in the form of pellets distributed in a substantially uniform manner throughout the chewing gum base.

1,629,462. WINDING FOR ELECTRICAL APPARATUS. KONSTANTIN K. PALUEFF, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 18, 1926. Serial No. 149,263. 2 Claims. (Cl. 175—356.)

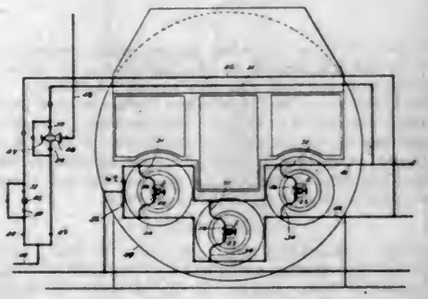
1. An electrical apparatus winding comprising a layer of at least four parallel connected strands, said strands being transposed at three points along the winding, two

of the transpositions being alike and of one type and the third transposition being of a different type and located between said first two transpositions, one of said types of transposition comprising a transposition of the two groups of strands at opposite sides of the center of the winding and a transposition of the individual strands



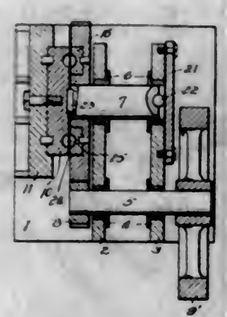
of each group to reverse their relative positions in the winding, and the other of said types of transposition comprising a transposition of the two groups of strands at opposite sides of the center of the winding with the relative positions of the individual strands of each group unchanged.

1,629,463. SYSTEM OF LIQUID-FUEL-SUPPLY CONTROL. GEORGE P. HAYNES, New York, N. Y., assignor to Todd Dry Dock Engineering & Repair Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1924. Serial No. 733,641. 4 Claims. (Cl. 158—45.5.)



1. The combination with a boiler having a plurality of liquid fuel burners and a source of liquid fuel supply under pressure, of a main supply line of piping extended from said source, an auxiliary supply line of piping also extended from said source, branch pipes leading from said main and auxiliary lines respectively to each of the burners, said burners being provided each with means for atomizing the supplies of liquid fuel received either separately or jointly from the respective main and auxiliary lines, individual master control means respectively in the main and auxiliary lines of piping to equally control the flow of liquid fuel to all the burners supplied by the respective lines of piping, air supply control means, and means operable to actuate the master control means in the main line of piping and the air supply control means for the proportionate regulation of the respective liquid fuel and air supplies.

1,629,464. METALLIC-BALL-MAKING MACHINE. MERRITT W. MAGANN, St. Louis, Mo., assignor to St. Louis Steel Ball Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 11, 1923. Serial No. 667,895. 2 Claims. (Cl. 80—21.)



1. In a ball forming machine structure, a base, a standard directed upwardly from said base, a pair of spaced supports directed upwardly from said base, a front bearing carried by each support, a rear bearing carried by each support, a stationary die plate having a facial annular ball forming groove having a slug inlet passage and a ball outlet passage removably fixed to the inner side face of the standard, a driven shaft journaled in the front bearings, a driven gear having an annular groove in its inner face fixed to the inner end of said driven shaft, a ring shaped die member having a facial annular ball forming groove removably fixed in the annular groove of the gear and disposed in opposed relation to the ball forming groove of the stationary die plate, a flat spring member fixed at opposed ends to one of the supports and closing one end of one of the front bearings, a ball bearing disposed between the outer end of the driven shaft and the spring member, a drive shaft journaled in the rear bearings and a pinion fixed to one end of said drive shaft to mesh with said gear for revolving the same.

Patents Nos. 1,620,465 to 1,630,246.

THE
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OF THE
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Issue of May 24, 1927.

Trade-Marks	243	No. 228,024 to No.	228,271, inclusive
T. M. Renewals	98		
Labels	28	No. 32,114 to No.	32,151, inclusive.
Prints	9	No. 9,848 to No.	9,856, inclusive.
Reissues	11	No. 16,628 to No.	16,638, inclusive.
Designs	36	No. 72,680 to No.	72,746, inclusive.
Patents	782	No. 1,629,465 to No.	1,630,246, inclusive.
Total	1,230		

Changes in Classification.

Order No. 3,011, May 9, 1927, directs:

In *class 45, Furniture* (Division 3), abolish the following subclass, the patents formerly contained therein having been placed for the most part in existing subclass 68, Covers, in class 45, Furniture, and in subclasses 68.1, 68.2, 68.3, and 68.4, indented thereunder, established in this order:

Tables
Sewing machine
120 Covers.

In *class 45, Furniture* (Division 3), establish the following subclasses, the patents contained therein having been taken for the most part from class 45, Furniture, subclass 120, Tables, Sewing machine, Covers, abolished in this order, with the exception of subclass 68.4, the patents in which have been taken for the most part from class 65, Kitchen and Table Articles, subclass 53, Trays:

Covers
68.1 Sewing machine and typewriter
68.2 Carrying case.
68.3 Table and counter
68.4 Mats and pads.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,573,664, R. W. Wetherill, Storage and reclaiming system, decided April 12, 1927, claim 1.

Pat. 1,596,157, Fritz Seibel, Apparatus for spinning artificial silk, decided April 2, 1927, claims 1, 2, and 4.

Final decisions in interferences have been rendered against the following trade-marks:

T. M. 156,608, Edible vegetable cottonseed oils, The American Cotton Oil Company, Union Township, Hudson County, N. J., and New York, N. Y. Registered July 11, 1922. Decided April 12, 1927.

T. M. 210,266, Wheat flour, Stoddard Mill & Grain Company, Advance, Mo. Registered March 9, 1926. Decided April 14, 1927.

ERRATUM.

Notice in GAZETTE of May 3, 1927 (358 O. G. 1), that final decision had been rendered against registration 195,466, of Tingue, Brown & Co., was erroneously given. The decision was in favor of the registrant and adverse to the applicant.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, May 12, 1927.*

Engineering Products Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of O'Neil Duro Company, of Milwaukee, Wis., to effect the cancellation of the trade-mark registration of Engineering Products Corporation, Newport News, Va., No. 107,818, dated December 28, 1915, and the notice of such proceeding sent by registered mail to the said Engineering Products Corporation at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Engineering Products Corporation, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Service of Papers in Contested Cases.

Attention is called to Rule 168 (c), which requires that "every paper" filed in a contested case in the Patent Office must be served upon the other parties.
This includes all appeals in such cases.

Condition of Applications Under Examination at Close of Business May 13, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 80,108; Trade-Mark Division, 1,902. Oldest new case, Sept. 27, 1926; oldest amended, Oct. 1, 1926. The dates given are 1926 except where † indicates 1927.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application awaiting office action. New.	Oldest new application awaiting office action. Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	†Mar. 1	†Mar. 3	527
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 17	†Feb. 2	753
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec. 20	†Jan. 8	1,503
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Dec. 8	Nov. 29	1,521
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Nov. 26	Nov. 30	967
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Oct. 11	Oct. 27	1,589
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Dec. 7	Dec. 8	1,236
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 29	†Jan. 13	1,641
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Feb. 8	†Feb. 23	832
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Dec. 28	†Jan. 4	1,137
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	†Jan. 13	†Jan. 19	944
380	12. PIERCE, P. P., Machine Elements	Dec. 9	Dec. 30	1,219
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 30	Dec. 30	1,211
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Nov. 19	Dec. 13	1,911
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	†Jan. 7	†Jan. 11	1,387
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Jan. 20	†Jan. 28	694
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 28	Dec. 8	712
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 5	Oct. 26	972
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Feb. 7	†Feb. 5	756
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	†Jan. 12	†Jan. 13	968
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Dec. 14	Dec. 14	970
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 4	Nov. 20	841
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 23	Dec. 29	680
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 27	Oct. 1	1,041
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 20	Dec. 20	1,263
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Dec. 2	Dec. 9	892
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Jan. 24	†Feb. 10	829
225	28. BENSON, A. R., Internal-Combustion Engines	†Jan. 13	†Jan. 13	1,180
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 8	Dec. 10	1,152
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	†Jan. 3	†Feb. 12	997
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Dec. 14	Dec. 20	1,658
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	†Jan. 13	†Jan. 14	933
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Feb. 5	†Feb. 5	1,244
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Nov. 26	Nov. 17	770
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Feb. 4	†Mar. 1	841
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	†Feb. 28	†Mar. 2	911
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 17	Dec. 27	1,369
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells	Dec. 8	Dec. 9	1,050
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Feb. 17	†Mar. 2	806
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Dec. 22	Dec. 27	1,851
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 24	†Jan. 27	702
228*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Nov. 20	Dec. 1	1,510
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Jan. 7	†Jan. 12	997
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 12	Dec. 3	1,193
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	†Jan. 15	†Jan. 31	895
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Dec. 8	Dec. 14	936
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	†Jan. 3	†Jan. 5	1,372
213*	48. ROEPKE O. B., Electricity, General Applications	Dec. 9	Dec. 2	971
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 17	Nov. 24	975
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Jan. 24	†Jan. 25	1,443
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Nov. 20	Nov. 12	1,297
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	†Jan. 4	†Jan. 20	1,190
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 15	†Jan. 15	1,022
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	Oct. 13	Oct. 12	1,762
102	55. RICHARD, V. I. (Acting)—{Bread, Pastry, and Confection Making; Cutlery	Dec. 4	Dec. 31	579
	{Designs	†Apr. 13	†Apr. 28	331
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Apr. 13	†Apr. 28	1,788
	{Labels and Prints	†Apr. 28	†May 6	204

* Refers to room numbers in the annex

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

In re Templeton.

No. 1,879. Decided February 7, 1927.

Invention—Unpatentable Subject Matter.

Applicant's lifting jack being old in the art and the process of lifting by an adjustable handle inserted in a socket being also old, *Held* that there was no invention in making the socket oval in cross section with the greater transverse axis in a vertical plane, so that the handle in position has the grain of its wood arranged to offer maximum strength, in view of the similar arrangement of axe handles, hammer handles, and tool handles generally, and that there is nothing patentable in applicant's device.

Appeal from the Patent Office. Affirmed.

Mr. Samuel N. Pond for Templeton.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before Martin, Chief Justice, and Ross and Van Orsdel, Associate Justices.

Van Orsdel, *J.:*

This appeal is from the decision of the Commissioner denying appellant's application for a patent for a construction relating to a socket and wooden handle for a lifting jack.

The jack is admittedly old in the art, and the process of lifting by an adjustable handle inserted in a socket is old. Appellant discovered that a round wooden handle used for lifting purposes would break when the pressure was imposed across the grain of the wood. Appellant's claims are for a pole shaped with respect to the claim so that it can be inserted in the socket in only one of two positions, and when inserted the direction of the grain is lengthwise of the pole, and thereby gives to the pole or lever its maximum strength.

To accomplish this result the socket is made in oval form in cross section, the greater transverse axis being in a vertical plane. The handle thus constructed to fit the socket has its major axis in a vertical plane, and being capable of insertion only in this determined position the grain of the wood can be so adjusted that when the handle is in position it will be capable of resisting to its maximum strength. But this method of constructing axe handles, hammer handles, and tool handles generally, in this strain-resisting shape is old. There is, therefore, nothing patentable in appellant's device.

The decision of the Commissioner is affirmed.

Supreme Court of the United States.

Postum Cereal Company, Incorporated, v. California Fig Nut Company.

Decided January 3, 1927.

1. Appeals—Judgments of Court of Appeals, District of Columbia, on Appeals Under Section 9 of the Act of February 20, 1905, and Under Section 4914, Revised Statutes—Not Judicial Judgments.

Decisions of the Court of Appeals, District of Columbia, under section 9 of the Trade-Mark Act of February 20, 1905, 33 Stat. 728, and in patent proceedings under section 4914, Revised Statutes, are not judicial judgments, but mere administrative decisions, and hence appeal does not lie therefrom to the Supreme Court.

2. Trade-Marks—Appeals—Dismissal of by Court of Appeals, District of Columbia—Not Reviewable.

Where the Court of Appeals, District of Columbia, dismissed an appeal from the decision of the Commissioner of Patents for lack of jurisdiction under the act of March 19, 1920, 41 Stat. 533, *Held* that whatever the form of the action taken in respect of such an appeal, it is not cognizable in the Supreme Court upon review, because the proceeding is a mere administrative one.

Appeal from the Court of Appeals of the District of Columbia.

Mr. Edward S. Roberts, Mr. Frank F. Reed, and *Mr. William J. Hughes* for Postum Cereal Co., Inc.

Mr. Chief Justice Taft delivered the opinion of the Court.

The Postum Cereal Company and its predecessors in title have for years manufactured a cereal breakfast food to which they applied, as a trade-mark, the word "Grape-Nuts," for which they secured registrations under the Trade-Mark Registration Act of February 20, 1905 (33 Stat. 727) and amendments. They filed a petition of opposition to the registration by the California Fig Nut Company of the trade-mark "Fig-Nuts" which that company had registered under the act of March 19, 1920, sec. 1, par. b, 41 Stat. 533.

Section 2 of the same act provides that when any person shall deem himself injured by the registration of a trade-mark under the act, he may apply to the Commissioner of Patents to cancel it. Upon due notice to the registrant, a hearing is to be had before an Examiner of Interferences in the Patent Office, with an appeal to the Commissioner. The California Fig Nut Company, the registrant, filed an answer denying that the petitioner was injured and taking issue within the averments of its petition. The Examiner of Interferences held against the petitioner and recommended that the registration be not canceled. An appeal was taken to the Commissioner of Patents, who affirmed the holding of the Examiner of Interferences.

An appeal was then taken from the decision of the Commissioner to the Court of Appeals of the District of Columbia. That court held [324 O. G. 964; 54 App. D. C. 285; 297 Fed. 544] that under the act of March 19, 1920, 41 Stat. 533, there was no jurisdiction given to that court to hear an appeal from the Commissioner of Patents. This holding was in accordance with a previous decision of the same court in *United States Suppression Inner Tube Company* v. *Climax Rubber Company,* 312 O. G. 400, 53 Appellate Appeals, D. C. 320, 290 Fed. 340. Accordingly the appeal was dismissed. The present appeal to this Court was allowed by the court of appeals.

The Trade-Mark Act of 1920, c. 104, 41 Stat. 533, is entitled "An act to give effect to certain provi-

sions of the Convention for the Protection of Trade-Marks and Commercial Names made and signed in the city of Buenos Aires in the Argentine Republic, August 20, 1910, and for other purposes." The first section provides that the Commissioner of Patents shall keep a register of all trade-marks communicated to him by the international bureaus as provided for by the Convention upon which a certain fee has been paid. Par. b of section 1 provides that all other trade-marks not registerable under the act of February 20, 1905 (with certain exceptions not here relevant), but which have been in bona fide use for not less than one year in interstate or foreign commerce, upon or in connection with any goods of a proprietor upon which a fee of $10 has been paid to the Commissioner of Patents, may be registered under the act, provided that the trade-marks which are identical with the known trade-marks owned and used in interstate commerce by another, and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or deceived purchasers, shall not be placed on the register.

The chief objection of the petitioner to the registration of "Fig-Nuts" as a trade-mark for a cereal breakfast food is that it is likely to cause confusion or mistake and deceive purchasers into thinking they are buying the petitioner's breakfast food marked and widely known as "Grape-Nuts."

Section 6 of the act of 1920 adopts provisions of certain sections of the act of February 20, 1905 33 Stat. 728. But those sections do not include section 9 of the older act by which provision is made for an appeal from the decision of the Commissioner of Patents to the District Court of Appeals, and for this reason the District Court of Appeals dismissed the appeal. The contention of the appellant here is that section 9 of the act of 1905 does apply to the proceeding here taken under the act of 1920, and that the court of appeals in holding otherwise denied a right which the appellant here is entitled to have vindicated. It asks this Court to reverse the dismissal by the District Court of Appeals and in effect enforce the jurisdiction of that court to entertain its appeal from the Commissioner of Patents.

The first difficulty the appellant has to meet is the question whether this Court has jurisdiction to consider such an appeal. The argument the appellant makes is that this appeal was allowed July 1, 1924, to the judgment of dismissal by the court of appeals of April 7, 1924, that the act of February 13, 1925 (43 Stat. 936, 941) amending section 250 of the Judicial Code left the old section applicable to such pending appeal, that by the old section 250, any final judgment or decree of the court of appeals [illegible]ht be re-examined in this Court upon error or appeal in cases in which the construction of any law of the United States is drawn in question by the defendant, that this appeal draws in question the construction of the Trade-Mark Act of 1920 given by the court of appeals, by which that court dismissed the appeal taken to it from the Commissioner of Patents, and that the dismissal from which this appeal was allowed was a final judgment under the cases of *Shaffer* v. *Carter*, 252 U. S. 37, 44, and *Baldwin Co.* v. *Robertson*, 327 O. G. 5, 265 U. S. 168. The case of *Baldwin* v. *Howard*, 256 U. S. 35, in which certiorari to this Court from a similar trade-mark proceeding was denied is explained by the appellant as resting on the sole ground that the judgment below was not a final one.

We do not think this course of argument can be sustained. Assuming for the purposes of this discussion, that the District Court of Appeals was wrong in not holding that section 9 of the act of 1905 did apply to the Commissioner of Patents' decision under the act of 1920, even so, an appeal can not be taken to this Court to remedy the error. The decision of the court of appeals under section 9 of the act of 1905 is not a judicial judgment. It is a mere administrative decision. It is merely an instruction to the Commissioner of Patents by a court which is made part of the machinery of the Patent Office for administrative purposes. In the exercise of such function it does not enter a judgment binding parties in a case as the term case is used in the third article of the Constitution. Section 9 of the Trade-Mark Act of 1905, applies to the appeal taken under it the same rules which under section 4914, Revised Statutes, apply to an appeal taken from the decision of the Commissioner of Patents in patent proceedings. *Butterworth* v. *Hoe*, 29 O. G. 615, 112 U. S. 50, 60; *Gaines* v. *Knecht*, 123 O. G. 657, 27 Ap. D. C. 530, 532; *Atkins* v. *Moore*, 142 O. G. 57, 212 U. S. 285, 291. Neither the opinion nor decision of the court of appeals under section 4914 Revised Statutes, or section 9 of the act of 1905, precludes any person interested from having the right to contest the validity of such patent or trade-mark in any court where it may be called in question. This result prevents an appeal to this Court which can only review judicial judgments. This Court has so decided in *Frasch* v. *Moore*, 137 O. G. 230, 211 U. S. 1, in an appeal as to patent proceedings, and in *Atkins* v. *Moore*, 142 O. G. 571, 212, U. S. 285, as to appeals in trade-mark proceedings. This was the ratio decidendi of *Baldwin* v. *Howard*, 256 U. S. 35, already referred to, where both appeal and certiorari were denied in a similar trade-mark proceeding.

It was said in these cases that the appeal was denied because the action of the court of appeals was not a final judgment. This reason was a true one, but it should not be understood to imply that in such a proceeding, circumstances might give it a form that would make it a final judgment subject to review by this Court. That is the error that the appellant here has made in pressing its appeal. Appellant relies on *Shaffer* v. *Carter*, 252 U. S. 37, 44, holding that a judgment of dismissal for lack of jurisdiction is a final judgment for purposes of appeal. But the citation has no application in such a case as this. For here the action of the court of appeals in its dismissal was dealing with something which even if it should have been received, was not in the proper sense a judgment at all. Whatever the form of the action taken in respect of such an appeal, it is not cognizable in this Court upon review, because the proceeding is a mere administrative one.

The distinction between the jurisdiction of this Court, which is confined to the hearing and decision of cases in the constitutional sense and that of administrative action and decision, power for which may be conferred upon courts of the District is shown in the case of *Keller* v. *Potomac Electric Company*, 261 U. S. 428, 440, 442, 443. There it is pointed out that while Congress in its constitutional exercise of exclusive legislation over the District may clothe the courts of the District not only with the jurisdiction and powers of the Federal courts in the several States but also with such authority as a State might confer on her courts, *Prentis* v. *Atlantic Coast Line Company*, 211 U. S. 210, 225, 226, and so may vest courts of the District with administrative or legislative functions which are not properly judicial, it may not do so with this Court or any Federal court established under Article III of the Constitution. Of the jurisdiction of this Court, we said, at p. 444:

> Such legislative or administrative jurisdiction, it is well settled, can not be conferred on this Court either directly or by appeal. The latest and fullest authority upon this point is to be found in the opinion of Mr. Justice Day, speaking for the Court in *Muskrat* v. *United States*, 219 U. S. 346. The principle there recognized and enforced on reason and authority is that the jurisdiction of this Court and of the inferior courts of the United States, ordained and established by Congress under and by virtue of the third article of the Constitution is limited to cases and controversies in such form that the judicial power is capable of acting on them; and does not extend to an issue of constitutional law framed by Congress for the purpose of invoking the advice of this Court without real parties or a real case, or to administrative or legislative issues or controversies. See also *Liberty Warehouse Co.* v. *Grannis*, decided this day.

With this limitation upon our powers, it is not difficult to reach a conclusion in the present case. We should have had no power to review the action of the District court if it had heard the appeal and taken administrative jurisdiction, and by the same token have now no power to review its action in refusing such jurisdiction.

But it is said that this leaves the appellant without any remedy to review the decision of the District Court of Appeals and makes its conclusion final in respect to the construction of the Trade-Mark Act of 1920. Even if this be so, as to which we express no opinion, it can not furnish a reason for exceeding the constitutional powers of this Court.

The appeal is dismissed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

882,136, F. C. Altmann, Latch for vehicle doors, 6th Cir., Doc. 4643, *The Cincinnati Cadillac Co.* v. *The English & Mersick Co.*; Doc. 4644, *The English & Mersick Co.* v. *The Cincinnati Cadillac Co.* Affirmed as to claim 1 in case 4644, reversed as to claim 2 in case 4643, both claims held invalid, Apr. 5, 1927.

1,144,318, 1,240,169, 1,308,979, J. Blackburn, Cable hanger, 6th Cir., Doc. 4634, *J. Blackburn et al.* v. *The National Telephone Supply Co.* Decree affirmed Apr. 5, 1927.

1,240,169. (See 1,144,318.)

1,302,606, G. Sundback, Separable fastener slider, 2d Cir., Doc. 9413, *Hookless Fastener Co.* v. *G. E. Prentice Mfg. Co.* Decree affirmed (notice dated Apr. 4, 1927).

1,308,979. (See 1,144,318.)

1,313,080, L. H. Ensten, Knitted cap, filed Jan. 11, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1704, *L. H. Ensten* (*The Lion Knitting Mills Co.*) v. *The Rich Sampliner Co. et al.* Bill dismissed (notice dated Apr. 4, 1927).

1,337,397, P. A. Fischer, Adjustable cap, 2d Cir., Doc. 9546. *P. A. Fischer et al.* v. *H. Ostrofsky et al.* Decree affirmed Apr. 4, 1927.

1,365,896, T. I. Duffy, Disk wheel for vehicle, filed Apr. 6, 1927, D. C., E. D. Mich. (S. Div.), Doc. 1978. *G. H. Forsyth* v. *Budd Wheel Co. et al.*

1,414,311, D. M. Sorenson, Process of treating brake bands, filed Mar. 4, 1927, D. C. N. J., Doc. E 2423, *Warren Refining & Chemical Co., et al.* v. *National Oil Products Co.*

1,422,396, R. H. Wappler, Clamp mounting for electrodes; 1,480,353, same, Electrode, filed Mar. 31, 1927, D. C., S. D. N. Y., Doc. E 41/96, *Wappler Electric Co., Inc.*, v. *The Engeln Electric Co.*

1,423,829, J. Carlson, Cap, filed Apr. 6, 1927, D. C., S. D. N. Y., Doc. E 41/120, *J. Carlson* v. *A. Greenstein et al.* (*Greenstein & Josephson*).

1,463,939, A. E. Chappell, Method of producing simulated longhand-written letters, filed Apr. 5, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2191, *A. E. Chappell* v. *General Tire & Rubber Co.*

1,465,173, Peffer & Pierce, Method of electro-depositing cobalt and chromium; 1,545,196, Pierce & Humphries, Chromium plating; 1,614,303, 1,615,585, C. H. Humphries, Process of producing corrosion-resisting coating and product, filed Mar. 10, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6922, *Metals Protection Corp.* v. *C. Roy Gleason et al.*

1,480,353. (See 1,422,396.)

1,545,196. (See 1,465,173.)

1,572,157, M. Morrell, Yarn winding, appeal filed Apr. 2, 1927, 2d Cir., Doc. 9611, *L. Malina et al.* v. *R. Grisman* (*The Grisman Co.*).

1,599,525, H. P. Hanson, Flowerpot holder, filed Mar. 8, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6921, *H. P. Hanson et al.* v. *A. L. Randall Co.*

1,600,265, W. T. Woods, Well-drilling bit, filed Nov. 15, 1926, D. C., S. D. Calif. (Los Angeles), Doc. L-2-J, *U. S. Tool Co.* v. *Rotary Disc Bit Co.*

1,600,723, C. H. Egelhoff, Process of forming an artistic paint finish, filed Feb. 3, 1927, D. C., S. D. Ohio (E. Div.), Doc. 502, *C. H. Egelhoff* v. *W. Lent.* Injunction granted (notice dated Apr. 6, 1927).

1,611,012, H. T. Flowers, Three-way dump motor truck bodies, filed Mar. 18, 1927, D. C. N. J., Doc. E 2504, *H. F. Flowers* v. *Mayor Car Corp.*

1,611,621, A. Weil, Construction of rosettes, filed Mar. 31, 1927, D. C., S. D. N. Y., Doc. E 41/93, *A. Weil* v. *J. Fund.* Doc. E 41/99, *A. Weil* v. *B. J. Eichler.* Same, filed Apr. 5, 1927, D. C., S. D. N. Y., Doc. E 41/119, *A. Weil* v. *S. Horowitz* (*Hy-Grade Shoe & Slipper Co.*).

1,613,055, G. I. Ray, Composition for stopping leaks in hot-water systems, filed Mar. 29, 1927, D. C. N. J., Doc. E 2522, *G. I. Ray et al.* v. *A. C. Demarest et al.*

1,614,136. (See Re. 16,461.)

1,614,303. (See 1,465,173.)

1,615,585. (See 1,465,173.)

Re. 13,436, F. G. Perkins, Glue and method of making same, 6th Cir., Doc. 4259, *Perkins Glue Co.* v. *Holland Furniture Co. et al.* Decree reversed Mar. 18, 1927.

Re. 16,402, A. A. Wilson, Device for automatically controlling the temperature of cooling systems of internal-combustion engines, filed Apr. 1, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2180, *A. A. Wilson et al.* v. *The Globe Machine & Stamping Co.*

Re. 16,438, E. W. Engle, Battery chargers, filed Mar. 28, 1927, D. C., E. D. Mich. (S. Div.), Doc. 1963, *Fansteel Products Co., Inc.*, v. *Crowley-Milner & Co.*

Re. 16,461, M. C. A. Latour, Audion or lamp relay or amplifying apparatus; 1,614,136, same, Thermionic amplifying apparatus, filed Mar. 31, 1927, D. C., S. D. N. Y., Doc. E 41/97, *Latour Corp.* v. *S. E. Pearsall Co.*

Des. 48,160, A. Samuelson, Bottle or similar article; Des. 54,241, H. B. Christian, same; Des. 63,637, C. J. Root, same, filed Mar. 24, 1927, D. C. Del., Doc. E 637, *The Coca Cola Co.* v. *Whistle Co. of America.*

Des. 54,241. (See Des. 48,160.)

Des. 63,657. (See Des. 48,160.)

Des. 65,684, A. J. Friedman, Wedding ring, filed Mar. 23, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6973, *A. J. Friedman* v. *California Jewelry & Novelty Co.*

Des. 69,887, F. W. Horstmann, Fur, filed Mar. 24, 1927, D. C. N. J., Doc. E 2521, *F. W. Horstmann et al.* v. *P. A. Singer & Bros., Inc.*

Des. 71,510, H. Abrams, Finial for lighting fixtures, filed Mar. 14, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6944, *Crescent Brass Mfg. Co.* v. *Hartmann Furniture & Carpet Co.*

T. M. 146,308, T. M. 222,096, V. Neustadtl, Malt sirups, malt extracts, etc., filed Mar. 2, 1927, D. C., N. D. Ill. (E. Div.), Doc. 6910, *V. Neustadtl et al.* v. *Universal Food Products Co., Inc.*

T. M. 222,096. (See T. M. 146,308.)

ADJUDICATED PATENTS.

(C. C. A. Ohio.) The Fulton patent, No. 947,229, for metal bellows, *Held* not infringed. (*D. C.*) *Fulton Co.* v. *Bishop & Babcock Co.*, 17 F. (2d) 999; decree modified 17 F. (2d) 1006.

(C. C. A. Ohio.) The Fulton patent, No. 971,838, for process for making flexible corrugated-metal walls for collapsible and expansible vessels, *Held* valid and infringed. (*D. C.*) *Fulton Co.* v. *Bishop & Babcock Co.*, 17 F. (2d) 999; decree modified 17 F. (2d) 1006.

Disclaimers.

1,227,236.—*Glenn J. Barrett*, Grand Rapids, Mich. TYPEWRITING AND COMPUTING MACHINES. Patent dated May 22, 1917. Disclaimer filed April 21, 1927, by the assignee by mesne assignments, *Remington Typewriter Company.*

Hereby enters this disclaimer to said claims, which are in the following words, to wit:

"67. In a computing machine, the combination of a series of register wheels, means for turning said register wheels, means for setting the mechanism to cause said turning means to rotate said wheels in one direction or the other for addition or subtraction, means normally out of operation but capable of arresting said register wheels at zero when turned in one direction, re-setting mechanism for bringing said arresting means into operation and for causing said turning means to turn said register wheels against said arresting means, and means to prevent the operation of said re-setting mechanism when said setting means is set to cause the register wheels to be turned in the wrong direction.

"85. In a computing machine, the combination of a register, settable operating devices for said register normally out of gear with said register, means for bringing said register and its operating devices into gear, numeral keys for controlling the setting of said settable devices, and means for preventing the operation of said keys when said register and its operating devices are in gear.

"90. In a computing machine, the combination of a series of register wheels, operating devices for turning said register wheels in one direction for addition and in the other direction for subtraction, means for causing said operating devices to set said wheels to zero, and means to insure that said operating devices when controlled by said zero-setting means shall always turn said wheels in the same direction."

1,459,814.—*Glenn J. Barrett*, Grand Rapids, Mich. COMBINED TYPEWRITING AND ADDING MACHINES. Patent dated June 26, 1923. Disclaimer filed April 21, 1927, by the assignee by mesne assignments, *Remington Typewriter Company.*

Hereby enters this disclaimer to said claims, which are in the following words, to wit:

"82. In an adding machine, the combination of a register, keys, setting-up devices controlled by said keys and including a series of racks, means for allowing to any one of said racks an additional increment of motion to transfer, an operating mechanism including means for bringing said register and said racks into gear, means operating after the last recited means to operate said racks and register, means for holding said rack operating means in its extreme operated position until the register and the racks have been disconnected, and means for restoring said rack operating means to normal position after the register and rack have been disconnected.

"83. In an adding machine, the combination of keys, a register, setting-up devices controlled by said keys and including a series of racks, and operating mechanism including means for bringing said register and racks into gear, a device for operating said racks and the register, a link for operating said device, means for moving the said link to or past its dead center in order to retain said rack operating device in its extreme operated position until after the register and the racks have been disconnected, and means for restoring said link and rack operating device to normal position.

"85. In an adding machine, the combination of a register, means for operating said register in accordance with numbers to be added, spring operated transfer devices, means included in said operating means for permitting the springs of the transfer devices under tension, and means for momentarily holding said spring tensioning means in operated position and for then releasing said tensioning means.

"88. In an adding machine, the combination of a register including register wheels, drivers for said register wheels normally out of gear with said register wheels, means for actuating said drivers to set up a number to be added, and operating mechanism comprising means for first bringing said register wheels and drivers into gear and holding them in gear, for then operating said drivers in accordance with the number set up, for then moving said register wheels and drivers out of gear, and for then restoring said drivers to normal position, all in one operation of said operating mechanism.

"112. In an adding machine, the combination of a series of register wheels, a series of racks for operating said register wheels, means for imparting to any one of said racks on occasion an additional increment of motion to transfer, and means for splitting the machine comprising one or more abutments that can be interposed into the path of one or more of said bars and thus prevent transfer by the particular bar or bars affected."

1,818,061.—*Carleton Ellis*, Montclair, N. J. PROCESS OF MAKING MOTOR FUEL. Patent dated October 7, 1919. Disclaimer filed May 12, 1927, by the assignee by mesne assignments, *Standard Development Company.*

Hereby enters this disclaimer to that modification of the process set forth in lines 86–8 of page 4 wherein the gasoline is treated with acid between 70 and 85% of sulphuric anhydrid and disclaims from the scope of all the claims any process wherein acid employed is not diluted below the strength of ordinary oil of vitriol, *i. e.*, 93% H_2SO_4.

Des. 69,930.—*Anders H. Andersen*, Poughkeepsie, N. Y. A CLASS RING. Design patent dated April 20, 1926. Disclaimer filed May 6, 1927, by the patentee.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"The ornamental design for a class ring as shown," and adds thereto: *No claim is made to the seal shown on the stone of the ring in Figure 1.*

Des. 70,047.—*Anders H. Andersen*, Poughkeepsie, N. Y. A CLASS RING. Design patent dated May 4, 1926. Disclaimer filed May 6, 1927, by the patentee.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"The ornamental design for a class ring as shown," and adds thereto: *No claim is made to the seal shown on the stone of the ring in Figure 1.*

TRADE-MARKS

OFFICIAL GAZETTE, MAY 24, 1927.

[VOL. 358. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 134,206. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JORDAN MARSH COMPANY, Boston, Mass. Filed June 25, 1920.

Avona

Particular description of goods.—Blankets, Bedspreads, and Comfortables. The Blankets Upon Which Said Trade-Mark has Been Used are Made Either of All Cotton, All Wool, or of Wool and Cotton Combined. The Bedspreads are Made of All Cotton, and the Comfortables are Cotton Covered, Silk Covered, or Satin Covered and the Filling is Cotton, Wool, or Down.
Claims use since Apr. 3, 1920.

Ser. No. 173,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Dec. 18, 1922.

LE BOSQUET DE VIGNY

Particular description of goods.—Perfumes.
Claims use since about October, 1921.

Ser. No. 174,588. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) O'KEEFE'S BEVERAGES, LIMITED, Toronto, Ontario, Canada. Filed Jan. 13, 1923.

6K

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, also Ginger Ale, Cream, Soda, and Table Water.
Claims use since about 1898.

Ser. No. 194,328. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Mar. 24, 1924.



The trade-mark consists of a red stripe which is of indefinite length and which is displayed on the surface of the goods or packages containing the same.
Particular description of goods.—Wall Board.
Claims use since Feb. 24, 1923.

Ser. No. 201,675. (CLASS 39. CLOTHING.) OGUS, RABINOVICH AND OGUS, INC., New York, N. Y., assignor to Madelon Modes, Inc., a Corporation of New York. Filed Aug. 20, 1924.

Madelon

Particular description of goods.—Trimmed Hats for Women and Children.
Claims use since 1921.

Ser. No. 205,913. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DIAMOND TOOL CO., Seattle, Wash. Filed Nov. 28, 1924.



Particular description of goods.—Wrenches, Punches, Cold Chisels, Screw Drivers, and Pry Bars.
Claims use since June 15, 1924.

Ser. No. 208,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RED STAR MILLING COMPANY, Wichita, Kans. Filed Jan. 29, 1925.



Particular description of goods.—Wheat Flour.
Claims use since Sept. 9, 1922.

Ser. No. 209,073. (CLASS 38. PRINTS AND PUBLICATIONS.) DAVID BADER, doing business as Radium Adv. Co. of America, New York, N. Y. Filed Feb. 4, 1925.

Radiumads

Particular description of goods.—Printed Advertising Signs.
Claims use since Dec. 1, 1924.

Ser. No. 222,023. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) H. H. FRANKLIN MANUFACTURING COMPANY, Syracuse, N. Y. Filed Oct. 20, 1925.



Particular description of goods.—Automobiles.
Claims use since Jan. 15, 1925.

Ser. No. 222,573. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGELO PARODI FU BARTOLOMEO SOCIETA ANONIMA, Genoa, Italy. Filed Oct. 30, 1925.



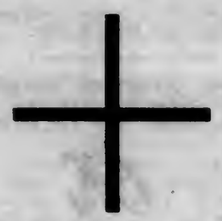
Particular description of goods.—Canned Sardines, Anchovies, and Tunny Fish.
Claims use since Jan. 1, 1885.

Ser. No. 225,700. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) C. M. BROOKE & SONS, South Melbourne, Victoria, Australia. Filed Jan. 9, 1926.



Particular description of goods.—Nonalcoholic, Maltless Beverages Used as Soft Drinks and Sirups for Making the Same.
Claims use since 1921.

Ser. No. 227,397. (CLASS 12. CONSTRUCTION MATERIALS.) CORK IMPORT CORPORATION, New York, N. Y. Filed Feb. 17, 1926.



Particular description of goods.—Cork Pipe, Cork Board, and Cork Tile.
Claims use since Sept. 26, 1924.

Ser. No. 227,898. (CLASS 12. CONSTRUCTION MATERIALS.) CORK IMPORT CORPORATION, New York, N. Y. Filed Feb. 17, 1926.



Particular description of goods.—Cork Pipe, Cork Board, and Cork Tile.
Claims use since Sept. 26, 1924.

Ser. No. 227,399. (CLASS 12. CONSTRUCTION MATERIALS.) CORK IMPORT CORPORATION, New York, N. Y. Filed Feb. 17, 1926.



Particular description of goods.—Cork Pipe, Cork Board, and Cork Tile.
Claims use since Sept. 26, 1924.

Ser. No. 228,107. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEO HEINEMAN, New York, N. Y. Filed Mar. 4, 1926.

OIL-GO

Particular description of goods.—Liquid Cleaning Preparation Particularly Useful for the Removal of Oil, Grease, Tar, and Mildew Stains from Fabrics or Any Article of Apparel.
Claims use since on or about Feb. 1, 1925.

Ser. No. 228,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPEWAY BAKERY INC., Braintree, Mass. Filed Mar. 10, 1926.

WALNUT BRUNETTS

No claim is made for the word "Walnut" except in connection with the word "Brunetts." The mark consists of the words "Walnut Brunetts."
Particular description of goods.—Cake.
Claims use since July, 1925.

Ser. No. 228,690. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. H. FEGELY, Limeport, Pa. Filed Mar. 16, 1926.



Applicant disclaims the use of the words "Dairies" and "Pasteurized" apart from the mark shown on the drawing.
Particular description of goods.—Dairy Products—Namely, Pasteurized Milk and Cream.
Claims use since June 1, 1924.

Ser. No. 228,713. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY CITY COFFEE & SPICE MILLS, LEE & CADY, OWNERS, Saginaw, Mich. Filed Mar. 16, 1926.

BANCROFT HOUSE

Applicant disclaims exclusive use of the surname "Bancroft" except as associated with the mark herein shown.
Particular description of goods.—Coffee.
Claims use since Jan. 1, 1897.

Ser. No. 228,864. (CLASS 47. WINES.) SALVADOR BATALLA PLANA, Barcelona, Spain. Filed Mar. 19, 1926.

RAIMET

Particular description of goods.—Wine.
Claims use since December, 1925.

Ser. No. 228,037. (CLASS 12. CONSTRUCTION MATERIALS.) H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed Mar. 20, 1926.

RPM

Particular description of goods.—Protected Metal Sheets for Building Constructions.
Claims use since Dec. 17, 1925.

Ser. No. 229,157. (CLASS 12. CONSTRUCTION MATERIALS.) CHICAGO PAINT WORKS, Chicago, Ill. Filed Mar. 25, 1926.



The words "Asbestos Roof Cement" appearing in the mark, as shown in the drawing, are disclaimed apart from the other features of the mark.
Particular description of goods.—Asbestos Roof Cement.
Claims use since Dec. 15, 1917.

Ser. No. 229,183. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERBERT F. KRUG, doing business as Diamond Product Company, Detroit, Mich. Filed Mar. 25, 1926.

Vaporine

Particular description of goods.—Cloth, Metal Goods, and Paper Cleaner.
Claims use since Feb. 15, 1926.

Ser. No. 229,426. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN RETAILERS ASSOCIATION INC., New York, N. Y. Filed Mar. 31, 1926.

ARAWARM

Particular description of goods.—Blankets Made of Textile Fabrics.
Claims use since Mar. 1, 1926.

Ser. No. 229,530. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y. Filed Apr. 1, 1926.



No claim is made to the words "Hoffman-Machines-Press-The-World" apart from the mark as shown.
Particular description of goods.—Garment Presses.
Claims use since Mar. 24, 1926.

Ser. No. 230,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST G. RUBUP, doing business as Scientific Laboratories of America, San Francisco and Roseville, Calif. Filed Apr. 12, 1926.



Particular description of goods.—Preparation for Reducing Weight.
Claims use since Sept. 2, 1924.

Ser. No. 230,808. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Apr. 27, 1926.

"The yellow can with the black band"

Particular description of goods.—Liquid Cleansing and Polishing Compounds and Detergents for Use on Glass, Porcelain, Tile, and the Like, and Detergents for Use in Laundering Operations.
Claims use since Feb. 27, 1926.

Ser. No. 232,361. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 27, 1926.



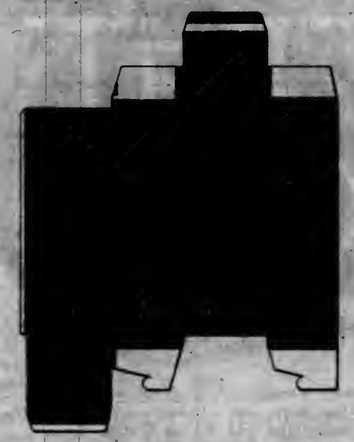
No exclusive claim is made to any of the printed matter appearing in the drawing except as follows: "Flit, Standard Oil Company (New Jersey)." No exclusive claim is made to the words "Chemical Products Division" in connection with the present application.
Particular description of goods.—Liquid Cleansing Compounds and Detergents for Use on Glass, Porcelain, Tile, and the Like, and Detergents for Use in Laundering Operations.
Claims use since Feb. 11, 1925.

Ser. No. 232,363. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 27, 1926.



No claim is made to the following wording appearing on the drawing: "Destroys Flies, Mosquitoes, Moths, Ants, Bed Bugs, Roaches, Many Other Household Insects and Their Eggs. The Highest Quality Household Insecticide That is Made by the Bayonne, New Jersey, U. S. A. For Best Results Use Hand Sprayer, Pint Can and Sprayer. Made in U. S. A." No claim is made to the representation of the carton. No exclusive claim is made to the words "Chemical Products Division" in connection with the present application.
Particular description of goods.—Liquid Cleansing Compounds and Detergents for Use on Glass, Porcelain, Tile, and the Like, and Detergents for Use in Laundering Operations.
Claims use since Feb. 27, 1926.

Ser. No. 232,365. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 27, 1926.



No claim is made for the representation of the outline of a carton. The drawing is lined to indicate the color yellow.
Particular description of goods.—Liquid Cleansing Compounds and Detergents for Use on Glass, Porcelain, Tile, and the Like, and Detergents for Use in Laundering Operations.
Claims use since Feb. 27, 1926.

Ser. No. 234,849. (CLASS 37. PAPER AND STATIONERY.) KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia. Filed July 21, 1926.

PLUTO

Particular description of goods.—Paper Weights, Propelling Pencils, Penholders of All Kinds, Pen Wipers, Copying Wells, Artists' Pencils, Blotting Rockers, Sketching Charcoal, Inkstands, Lead Refills, and Lead Pencils, Colored Refills and Pencils, Chalks With and Without Wooden Mounts, Rubber Bands, Notebooks, India-Rubber Ink and Pencil Erasers.
Claims use since 1890.

Ser. No. 235,734. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Aug. 9, 1926.

THERMOTEL

Particular description of goods.—Maximum-Temperature Indicators for Transformers.
Claims use since on or about November, 1921.

Ser. No. 235,930. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed Aug. 13, 1926.

JALCASE

Particular description of goods.—Hot-Rolled and Cold-Finished Steel Bars.
Claims use since June 23, 1926.

Ser. No. 236,169. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KENLIT MFG. CO., Medford, Mass. Filed Aug. 19, 1926.

HAPPY HOSTESS

Particular description of goods.—Waterproof Textile Fabrics for Table Use—Namely, Luncheon Sets, Tray Cloths, Tablecloths, and Silence Cloths.
Claims use since June 21, 1921, on luncheon sets and tray cloths; Dec. 24, 1924, on tablecloths; June and July, 1925, on silence cloths.

Ser. No. 236,317. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ROBERT FORGAN & SON, LTD., St. Andrews, Scotland. Filed Aug. 18, 1926.

JAMES SPENCE (ST. ANDREWS) LIMITED

ST. ANDREWS, SCOTLAND

No claim is made to the words appearing upon the drawing nor to the rectangular outline except in association with the other features of the trade-mark. This disclaimer is made for the purpose of registration, and all other rights in the disclaimed features are reserved.
Particular description of goods.—Golf Clubs.
Claims use since Jan. 1, 1922.

Ser. No. 237,018. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLEX SILK MILLS, INC., New York, N. Y. Filed Sept. 9, 1926.

"TOM-TOM KREPE"

No claim is made to the use of the word "Krepe" apart from the mark shown.
Particular description of goods.—Heavy Silk Crepe in the Piece.
Claims use since Mar. 1, 1926.

Ser. No. 237,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. L. FITZ PATRICK, Philadelphia, Pa. Filed Sept. 25, 1926.

ABBEYLEIX FARM

Particular description of goods.—Live Cows.
Claims use since 1909.

Ser. No. 238,118. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER V. JAHANT, Lodi, Calif. Filed Oct. 4, 1926.

RED HEART

The drawing is lined to indicate the color red.
Particular description of goods.—Fresh Grapes.
Claims use since 1911.

Ser. No. 238,142. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STIEGLER BROS., San Francisco, Calif. Filed Oct. 4, 1926.

BRIER TWEED

No claim is made to the word "Tweed" apart from the mark as shown.
Particular description of goods.—Cloth Made from Wool, Cotton, and Woolen Mixtures for Use in Making Outer Garments for Men, Women, and Children.
Claims use since about Aug. 31, 1926.

Ser. No. 238,408. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Oct. 9, 1926.

STEARNS' TONIC

No claim is made to the word "Tonic" apart from the mark as shown in the drawing. Applicant is the owner of registered Trade-Mark #60,598 effected under the 10-year proviso.
Particular description of goods.—Wine of Cod-Liver Oil.
Claims use since June 22, 1926.

Ser. No. 238,471. (CLASS 12. CONSTRUCTION MATERIALS.) WHAT CHEER CLAY PRODUCTS COMPANY, What Cheer, Iowa. Filed Oct. 11, 1926.

WHAT CHEER

No claim is made to the use of the name "What Cheer."
Particular description of goods.—Underdrain Tile, Drain Tile, Flue Lining, Sewer Pipe Fabricated from Clay, Wall Coping.
Claims use since Dec. 15, 1925.

Ser. No. 239,969. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY CIZAUCKAS, Springfield, Ill. Filed Nov. 12, 1926.

SUN-FLOWER

Particular description of goods.—Salve and a Medicine for Blood Poisoning.
Claims use since on or about Sept. 1, 1926.

Ser. No. 240,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. BAHLSENS KEKSFABRIK AKTIENGESELLSCHAFT, Hanover, Germany. Filed Dec. 2, 1926.

TET

Particular description of goods.—Cocoa, Chocolate, Sweet-Meats, Cakes, Biscuits, Pastry, Pralines, Candies, and Bonbons.
Claims use since Sept. 2, 1903.

Ser. No. 240,871. (CLASS 10. FERTILIZERS.) MERCHANTS FERTILIZER & PHOSPHATE COMPANY, Charleston, S. C. Filed Dec. 2, 1926.

MERCO

Particular description of goods.—Fertilizer.
Claims use since October, 1926.

Ser. No. 240,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHMIDT BAKING COMPANY, INC., Baltimore, Md. Filed Dec. 2, 1926.

MRS. SCHMIDT'S

The picture appearing as a part of the mark is a facsimile pen and ink representation of a portrait of Dora B. Dorsey.
Particular description of goods.—Bread, Cake, Buns, Crullers.
Claims use since Nov. 1, 1926.

Ser. No. 240,923. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS G. OSBORN, doing business as Louis G. Osborn Sales Co., Vineland, N. J. Filed Dec. 3, 1926.

SAVE-U-TIME

Particular description of goods.—Canned Cream of Raw Celery Soup, Raw Parsley and Salt Seasoning, Canned Cream of Asparagus Soup, Canned Mushroom Soup, Raw Garlic and Salt Seasoning, Raw Celery and Salt Seasoning, Raw Parsley Cream Dressing, and Raw Onion and Salt Seasoning.
Claims use since Mar. 8, 1925.

Ser. No. 241,159. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HOLLAND-WIRT COMPANY, Laramie, Wyo. Filed Dec. 8, 1926.

A RIVER OF GASOLINE

Particular description of goods.—Apparatus for Renovating Gasoline for Use in Dry-Cleaning Systems.
Claims use since on or about Apr. 15, 1926.

Ser. No. 241,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE B AND M MANUFACTURING COMPANY, St. Paul, Minn. Filed Dec. 13, 1926.



The exclusive use of all wording appearing in the drawing with the exception of "Mar-Gon" is disclaimed apart from the mark shown.
Particular description of goods.—An Adhesive Composition for Application on Discolored Areas of Skin.
Claims use since Dec. 1, 1926.

Ser. No. 241,904. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCLAREN SAWYER, St. Louis, Mo. Filed Dec. 23, 1926.

NU-TEX

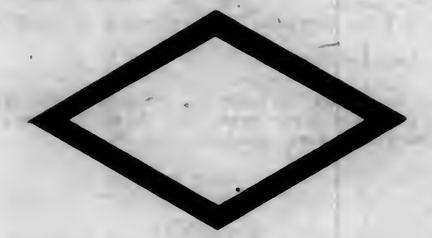
Particular description of goods.—Ready-Mixed Paints.
Claims use since Dec. 10, 1926.

Ser. No. 241,968. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) SOUTHWARK FOOD PRODUCTS CO., Philadelphia, Pa. Filed Dec. 24, 1926.

Purity Reliable

No claim is made to the exclusive right to the use of the words "Purity" and "Reliable" except in the form shown.
Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Feb. 18, 1921.

Ser. No. 242,246. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PACIFIC COAST TALC COMPANY, Los Angeles, Calif. Filed Dec. 31, 1926.



Particular description of goods.—Talc.
Claims use since Jan. 1, 1923.

Ser. No. 242,248. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PACIFIC COAST TALC COMPANY, Los Angeles, Calif. Filed Dec. 31, 1926.

I . S

Particular description of goods.—Talc.
Claims use since Jan. 1, 1923.

Ser. No. 242,249. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PACIFIC COAST TALC COMPANY, Los Angeles, Calif. Filed Dec. 31, 1926.

N S

Particular description of goods.—Talc.
Claims use since Jan. 1, 1923.

Ser. No. 242,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KO-CIN-KO COMPANY, Oklahoma City, Okla. Filed Jan. 3, 1927.



The words "Tooth Paste" and the price "50¢" are descriptive and not a part of the mark for registration.
Particular description of goods.—Tooth Paste.
Claims use since Nov. 4, 1925.

Ser. No. 242,301. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KO-CIN-KO COMPANY, Oklahoma City, Okla. Filed Jan. 3, 1927.



The words "Baby Balm" are descriptive and not a part of the mark for registration.
Particular description of goods.—Baby Balm.
Claims use since Nov. 1, 1926.

Ser. No. 242,319. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY ETTA TULLIS, Birmingham, Ala. Filed Jan. 3, 1927.



No claim is made to the words "Beauty Cultures" apart from the mark as shown. The portrait is a picture of Etta Cook, the maiden name of applicant Mary Etta Tullis.
Particular description of goods.—Hair Grower, Hair Tonic, Face Cream, and Face Lotion.
Claims use since on or about Jan. 5, 1926.

Ser. No. 242,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER MÖLLER A/S, Oslo, Norway. Filed Jan. 4, 1927.



Particular description of goods.—Cod-Liver Oil.
Claims use since 1925.

Ser. No. 242,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALVIN B. WILLIAMS, Philadelphia, Pa. Filed Jan. 5, 1927.

SUNLIGHT

Particular description of goods.—Preparation for the Treatment of Leucorrhea (Whites), Painful Menstruation, and Other Female Troubles.
Claims use since June 20, 1924.

Ser. No. 242,846. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn. Filed Jan. 14, 1927.

ANCHOR BRAND

Applicant owns registration No. 130,557. No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Belt Trimmings for Men and Women—Namely, Buckles for Belts of All Kinds, Buckles for All Kinds of Wearing Apparel, Buckle Sets, Clasps, Belt Slides, and Loops, Boy-Scout Buckles, Girl-Scout Buckles, College Buckles, Composition and Fiber Buckles, Slide Buckles, Belt Chains, Buckles for Footwear, Slipper Buckles, Slides and Ornaments, Fob Buckles, D's and Rings and Buckle Attaching Means, "Sam Brown" and Other Army-Belt Hardware and Waist-Belt Equipments, All of Nonprecious Metal.

Claims use since July, 1895.

Ser. No. 242,847. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn. Filed Jan. 14, 1927.



Applicant owns registration No. 130,557.

Particular description of goods.—Belt Trimmings for Men and Women—Namely, Buckles for Belts of All Kinds, Buckles for All Kinds of Wearing Apparel, Buckle Sets, Clasps, Belt Slides, and Loops, Boy-Scout Buckles, Girl-Scout Buckles, College Buckles, Composition and Fiber Buckles, Slide Buckles, Belt Chains, Buckles for Footwear, Slipper Buckles, Slides and Ornaments, Fob Buckles, D's and Rings and Buckle Attaching Means, "Sam Brown" and Other Army-Belt Hardware and Waist-Belt Equipments, All of Nonprecious Metal.

Claims use since July, 1895.

Ser. No. 242,865. (CLASS 32. FURNITURE AND UPHOLSTERY.) THONET-WANNER COMPANY, New York, N. Y. Filed Jan. 14, 1927.

THONET-WANNER

Particular description of goods.—Furniture—Namely, Dining-Room Suites, Bedroom Suites, Breakfast-Room Sets, Portable Wardrobes, Folding Arm Chairs, Occasional Tables, Rocking Chairs, Sewing Tables, Stands for Marble Tables, Washstands, Writing Desks, Pedestals, Prie-Dieu, Night Tables, Ladies' Toilet Stands, Flower Stands, Flower Tables, Clothes Stands, Camp Stools, Folding Dressing Screens, Newspaper Racks, Etagères, Cabinets, Household Chairs, Chests, Commodes, Household Tables, Refectory Tables, Court Cupboards, Desks, Benches, Boudoir Chairs, Bergères and Overstuffed Upholstered Chairs; Beds and Bedding—Namely, Bedsteads, Reclining Couches, Settees, Sofas, Box Bed Springs, Hair Mattresses, Cotton Mattresses, Felt Mattresses, Wire Bed Springs and Pillows; Bentwood Furniture—Namely, Chairs and Tables for General Use, Folding Chairs, Foot Stools, Frames for Looking-Glasses, Hanging Clothes Racks, Night Armchairs, Nursery Chairs, Office Chairs, Shop Chairs, Stools, Trunk Stands and Umbrella Stands; Veneer Chair Seats; Walking-Stick Chairs, Trying-On Stools for Shoemakers; Framed Pictures; Hat Rails, Hat Pegs; and Towel Rails and Towel Horses.

Claims use since 1917.

Ser. No. 242,905. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PLASTIC PRODUCTS COMPANY, Detroit, Mich. Filed Jan. 15, 1927.

Plastoid

Particular description of goods.—Putties.

Claims use since Oct. 24, 1922.

Ser. No. 242,972. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) VANCOUVER SHEET METAL & FURNACE WORKS, Vancouver, Wash. Filed Jan. 17, 1927.



The outline representation of a furnace is disclaimed as no part of the mark.

Particular description of goods.—Heating Furnaces Using Wood, Coal, Sawdust, Oil, or Gas.

Claims use since Jan. 10, 1924.

Ser. No. 242,996. (CLASS 39. CLOTHING.) FRANK R. JELLEFF, INC., Washington, D. C. Filed Jan. 18, 1927.

F STREET

Particular description of goods.—Hosiery.

Claims use since Sept. 1, 1926.

Ser. No. 243,211. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HENRY HIRSH, doing business as Home Beverage Co., Chicago, Ill. Filed Jan. 22, 1927.



The drawing is lined for color, the panel is lined for blue, and the border lined for gold.

Particular description of goods.—Malt Sirup for Food and Beverage Purposes.

Claims use since January, 1924.

Ser. No. 243,257. (CLASS 12. CONSTRUCTION MATERIALS.) THE EXOLON COMPANY, Blasdell, N. Y. Filed Jan. 24, 1927.

CARBOLON REFRACTORY

No exclusive claim is made to the word "Refractory" apart from the mark shown in the drawing.

Particular description of goods.—Refractory Materials—Namely, Amorphous Silicon Carbide.

Claims use since 1918.

Ser. No. 243,392. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) M. & S. SHILLMAN, Brooklyn, N. Y. Filed Jan 26, 1927.



The word "Toy" is herewith disclaimed apart from the other features of the mark.

Particular description of goods.—Dolls' Blankets, Dolls' Carriage Outfit Sets, Dolls' Pillows.

Claims use since July 1, 1925.

Ser. No. 243,393. (CLASS 39. CLOTHING.) SIMON-ROSENBERG SHIRT CORP., New York, N. Y. Filed Jan. 26, 1927.

Style Kraft

Particular description of goods.—Dress, Negligee, and Work Shirts, Collars, Blouses, Knit Underwear for Women, Men, and Children, and Pyjamas.

Claims use since Nov. 8, 1923.

Ser. No. 243,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUCK AND RAYNER, Chicago, Ill. Filed Jan. 27, 1927.

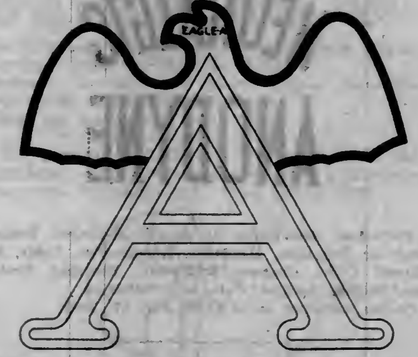
JACROSE

Particular description of goods.—Almond Cream, Bandoline, Benzoin Lotion—Namely, a Skin Tonic—Brilliantine, Bath Salts, Face Cream, Massage Cream, Face Powder, Hand Lotion, Dentifrice—Namely, a Mouth Wash—Deodorant, Eau de Quinine—Namely, a Hair Dress and Tonic—Chapped-Hand Lotion, Eyebrow Pencil, Face Powder, Lemon Cream, Lemon Lotion, Lip Stick, Liquid Nail Polish, Perfume, Toilet Water, Talcum Powder, Twin Compact, Rouge, After-Shaving Lotion, and Nail Enamel.

Claims use since Jan. 1, 1890.

Ser. No. 243,519. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE "AKERUE" MANUFACTURING COMPANY, Cheyenne, Wyo. Filed Jan. 29, 1927.

Akerue



Particular description of goods.—Nonfreeze Compound.

Claims use since Jan. 1, 1922.

Ser. No. 243,730. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed Feb. 2, 1927.

PE-KO

Particular description of goods.—Jar Rings.

Claims use since 1915.

Ser. No. 243,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESTERN CHEMICAL COMPANY, St. Joseph, Mo. Filed Feb. 5, 1927.

Fly-Nip

Particular description of goods.—Liquid Insecticide Spray.
Claims use since May 18, 1925.

Ser. No. 243,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAISON A. GAZZONI & COMPANIA, Bologna, Italy. Filed Feb. 7, 1927.

IDROLITINA

Particular description of goods.—A Product Formed of a Combination of Powders for Making Drinking Water Rich in Lithium Content, Gaseous, and Agreeable to the Taste.
Claims use since 1910.

Ser. No. 243,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TWITCHELL-CHAMPLIN COMPANY, Portland, Me., and Boston, Mass. Filed Feb. 7, 1927. Under 10-year proviso.

NEURALGIC ANODYNE

Particular description of goods.—Medicinal Preparations for Neuralgia, Headache, Rheumatism, Colds, Sore Throat, Colic, Cramps, Dysentery, Diarrhea Seasickness, Bruises, Sprains, Cuts, and Chilblains.
Claims use since on or about July 17, 1883.

Ser. No. 243,993. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Feb. 8, 1927.



Particular description of goods.—Ophthalmic Mountings and Parts Thereof, Lenses—Optical, Photographic, Ophthalmic, and Projection—Mangin Mirrors, Magnifiers, Prisms, Searchlight Mirrors, Condensers (Optical), Lens Barrels, Lens Mounts, Microscopes, and Parts and Repairs Therefor, Microscopé Micrometers, Microtomes, Range Finders, Field Glasses, Opera Glasses, Telescopes, Transits, Levels, Sextants, Projection Apparatus and Parts and Repairs Therefor, Transit Micrometers, Photographic Ray Filters, Photographic Shutters, Photomicrographic Cameras, Alidades, Theodolites, Gun Sights (Telescopic), Centrifugal Machines or Centrifuges Used for Scientific Analysis, and Laboratory Incubators.
Claims use since about Jan. 9, 1909.

Ser. No. 244,020. (CLASS 39. CLOTHING.) MASTERPIECE HOSIERY MILLS, New York, N. Y. Filed Feb. 8, 1927.

Masterpiece



Particular description of goods.—Hosiery, Underwear of Knitted and Textile Fabric for Men, Women, and Children; Negligees, Sweaters, Bathing Suits, Bloomers, and Pyjamas.
Claims use since Feb. 23, 1926.

Ser. No. 244,045. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

CONTICO

The lining appearing in the drawing is for shading purposes only.
Particular description of goods.—Asphalt Roof Paint.
Claims use since about August, 1924.

Ser. No. 244,046. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

CONTEX

Particular description of goods.—Asphalt Roofing Material.
Claims use since about October, 1924.

Ser. No. 244,047. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

RED STAR



The star portion of said trade-mark is colored red, in accordance with the conventional lining for color as shown.
Particular description of goods.—Roofing Material—Namely, Sheathing.
Claims use since July 1, 1925.

Ser. No. 244,048. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

CONTICO

Particular description of goods.—Roofing Materials—Namely, Asphalt Asbestos Plastic Cement, Asphalt Liquid Asbestos Fiber Coating, Mica-Surfaced Roofing, and Mineral-surfaced Roofing.
Claims use since about August, 1924.

Ser. No. 244,050. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

RADIAX

Particular description of goods.—Asphalt Roofing Material.
Claims use since about October, 1924.

Ser. No. 244,051. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

BALMAR

Particular description of goods.—Roofing Material—Namely, Red Mineral-Surfaced Roofing.
Claims use since about January, 1923.

Ser. No. 244,052. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.



Particular description of goods.—Roofing Materials—Namely, Asphalt Asbestos Plastic Cement, Asphalt Liquid Asbestos Fiber Coating, Asphalt Felt, and Asphalt Sheathing and Slaters' Felt.
Claims use since about January, 1923.

Ser. No. 244,053. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.

ALAMO

The trade-mark is colored green, in accordance with the conventional lining for color as shown.
Particular description of goods.—Roofing Material—Namely, Green Mineral-Surfaced Roofing.
Claims use since about June, 1924.

Ser. No. 244,054. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Filed Feb. 9, 1927.



Particular description of goods.—Asphalt Roofing Material.
Claims use since about January, 1923.

Ser. No. 244,140. (CLASS 38. PRINTS AND PUBLICATIONS.) DAILY TRADE RECORD CO. OF NEW YORK, New York, N. Y. Filed Feb. 10, 1927.

Daily News Record

Particular description of goods.—Daily Newspaper.
Claims use since Dec. 11, 1916.

Ser. No. 244,155. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed Feb. 10, 1927.

HERCOLINE

Particular description of goods.—Cleaning Fluid Composed of a Light Hydrocarbon Petroleum Product.
Claims use since January, 1924.

Ser. No. 244,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK D. SHEPARD, Saginaw, Mich. Filed Feb. 10, 1927.

URA

Particular description of goods.—Soot Cleaner.
Claims use since Dec. 1, 1926.

Ser. No. 244,291. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CREEK CHUB BAIT CO., Garrett, Ind. Filed Feb. 12, 1927.

Silver Flash.

Particular description of goods.—Artificial Baits.
Claims use since July, 1925.

Ser. No. 244,354. (CLASS 39. CLOTHING.) A. B. FRANK COMPANY, San Antonio, Tex. Filed Feb. 14, 1927.



Applicant disclaims any exclusive right to the words "The Texan," "Guaranteed," "Work Shirt," "Largest," and "Strongest," apart from the mark shown. On the drawings the background of the diamond is shaded to indicate red, but for the sake of clarity the shading has not been attempted on the outer lettering or outer triangle, although in practice the entire trade-mark is printed in red.
Particular description of goods.—Work Shirts.
Claims use since Nov. 20, 1925.

Ser. No. 244,398. (CLASS 12. CONSTRUCTION MATERIALS.) W. E. DUNN MANUFACTURING CO., Holland, Mich. Filed Feb. 15, 1927.

DUNTEX

Particular description of goods.—Roofing Tile and Flooring Tile.
Claims use since Dec. 1, 1926.

Ser. No. 244,431. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) DANNER-GLESNER & CO., Martinsburg, W. Va. Filed Feb. 16, 1927.

"SHENANDOAH CLUB"

"Shenandoah Club."
Particular description of goods.—Carbonated, Non-alcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Aug. 26, 1920.

Ser. No. 244,553. (CLASS 39. CLOTHING.) A. GARFUNKEL & CO., INC., New York, N. Y. Filed Feb. 18, 1927.



Color is not claimed as a feature of the trade-mark. The words "By Appointment" are disclaimed.
Particular description of goods.—Men's Socks, Men's Shoes and Slippers of Leather; Underwear of Textile Material; and Pyjamas, Negligee Shirts, Bath, Lounging, and Smoking Robes; Hats, Caps, Neckties, and Collars.
Claims use since Jan. 28, 1927.

Ser. No. 244,583. (CLASS 12. CONSTRUCTION MATERIALS.) WARRIOR CEMENT CORPORATION, Spocari, Ala., and Chattanooga, Tenn. Filed Feb. 18, 1927.



No claim is made to the descriptive word cement aside from its use in connection with the mark shown.
Particular description of goods.—Portland Cement.
Claims use since Jan. 1, 1920.

Ser. No. 244,693. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HENRIX-LUEBBERT MFG. CO. INC., San Francisco, Calif. Filed Feb. 21, 1927.

AMIGO SHEIK

Particular description of goods.—Tents.
Claims use since Aug. 15, 1926.

Ser. No. 244,729. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE SYRACUSE ELECTROTYPING CO., Syracuse, N. Y. Filed Feb. 21, 1927.



Particular description of goods.—Electrotypes, Nickel Types, Matrices, Multigraph Plates, and Stereotypes.
Claims use since June 1, 1924.

Ser. No. 244,749. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEEP SEA SALMON COMPANY, INC., Seattle, Wash. Filed Feb. 23, 1927.



The representation of the man is fanciful and is not that of a living individual. No claim is made to the word "Salmon" as it appears upon the drawing or to the pictorial representation of the goods apart from the mark as shown.
Particular description of goods.—Canned Salmon.
Claims use since Aug. 25, 1926.

Ser. No. 244,789. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RIPLEY FISH CO., INC., Seattle, Wash. Filed Feb. 23, 1927.

RAINBOW

Particular description of goods.—Salmon Eggs Used for Trout Bait.
Claims use since Dec. 1, 1926.

Ser. No. 244,822. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THEODORE GALLERT, New York, N. Y. Filed Feb. 24, 1927.



No claim is made to the word "Locarno" apart from the mark shown in the drawing.
Particular description of goods.—Ladies' Hand Bags and Men's Pocketbooks Made of Leather.
Claims use since Jan. 15, 1927.

Ser. No. 244,836. (CLASS 39. CLOTHING.) THE MILLER RUBBER COMPANY, Akron, Ohio. Filed Feb. 24, 1927.

Shuglov

Particular description of goods.—Rubber Boots and Shoes and Rubber Over Shoes.
Claims use since Oct. 23, 1926.

Ser. No. 244,848. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. E. BESS, Sedalia, Mo. Filed Feb. 25, 1927.



DR. BESS'
COLD CAPS

No claim is made for the words "Dr. Bess" and "Cold Caps" apart from the mark shown in the drawing.
Particular description of goods.—Preparation for Use in the Treatment of Colds, La Grippe, and Influenza.
Claims use since October, 1925.

Ser. No. 244,864. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LEONARD A. HARRIS, doing business as Rotax Manufacturing Co., Newark, N. J. Filed Feb. 25, 1927.

ROTAX

Particular description of goods.—Wood Screws; Metal and Cap Screws; Lock Washers; Brass Split and Tubular Rivets; Wing Bolts; Metal Tubing; Clevis Pins and Nuts.
Claims use since July 25, 1912.

Ser. No. 244,971. (CLASS 12. CONSTRUCTION MATERIALS.) ASH GROVE LIME & PORTLAND CEMENT CO., Kansas City, Mo. Filed Feb. 28, 1927.

QUIKARD

Particular description of goods.—Hydraulic Cement.
Claims use since Feb. 21, 1927.

Ser. No. 244,976. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BERGMAN TOOL MFG. CO., Buffalo, N. Y. Filed Feb. 28, 1927.



The lining shown on the border of the mark and on the breast of the bird is used to indicate the color red. No claim is made to the use of the words "Tools" apart from the mark shown in the drawing.
Particular description of goods.—Tools—Viz, Tinners' Snips and Hand Shears.
Claims use since Feb. 4, 1927.

Ser. No. 245,089. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GALENO CHEMICAL CO., INC., New York, N. Y. Filed Mar. 2, 1927.

LEUCOSAN

Particular description of goods.—Medical Preparation for Use in Vaginal Douches for the Treatment of Leucorrhea.
Claims use since about January, 1924.

Ser. No. 245,135. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BILT-RITE BABY CARRIAGE CO., Brooklyn, N. Y. Filed Mar. 3, 1927.

BILT-RITE

Particular description of goods.—Baby Carriages.
Claims use since on or about June 1, 1919.

Ser. No. 245,214. (CLASS 39. CLOTHING.) IVY CORSET COMPANY, Worcester, Mass. Filed Mar. 4, 1927.

Jewel

Applicant owns registration No. 60,014.
Particular description of goods.—Corsets and Brassières, Bandeaux, and Combinations Thereof.
Claims use since February, 1905.

Ser. No. 245,251. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHILI PRODUCTS CORPORATION, Los Angeles, Calif. Filed Mar. 5, 1927.

S S
CHILI PEPPER

No claim is made to the exclusive use of the words "Chili Pepper."
Particular description of goods.—Ground Chili Peppers, Used as a Seasoning for Food.
Claims use since Feb. 10, 1921.

Ser. No. 245,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHILI PRODUCTS CORPORATION, Los Angeles, Calif. Filed Mar. 5, 1927.



No claim is made to the exclusive use of the words "Chili Products Corporation," "Standardized," "Pepper," "Quality," and "Los Angeles, Calif."
Particular description of goods.—Ground Chili Peppers, Used as a Seasoning for Food.
Claims use since Feb. 12, 1927.

Ser. No. 245,255. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHILI PRODUCTS CORPORATION, Los Angeles, Calif. Filed Mar. 5, 1927.

C S
CHILI PEPPER

No claim is made to the exclusive use of the words "Chili Pepper."
Particular description of goods.—Ground Chili Peppers, Used as a Seasoning for Foods.
Claims use since Jan. 4, 1921.

Ser. No. 245,264. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GOLDEN WEST BREWING COMPANY, Oakland, Calif. Filed Mar. 5, 1927.

GOLDEN GLOW

The drawing is lined for gold.
Particular description of goods.—Malt Beverages.
Claims use since June 15, 1925.

Ser. No. 245,265. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GOLDEN WEST BREWING COMPANY, Oakland, Calif. Filed Mar. 5, 1927.



The drawing is lined for gold.
The words "Made from a Fully Fermented Lager Brew" are disclaimed apart from the mark shown.
Particular description of goods.—Malt Beverages.
Claims use since June 15, 1925.

Ser. No. 245,266. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GOLDEN WEST BREWING COMPANY, Oakland, Calif. Filed Mar. 5, 1927.

'It's the After Glow'

Particular description of goods.—Malt Beverages.
Claims use since June 15, 1925.

Ser. No. 245,272. (CLASS 39. CLOTHING.) HURLEY SHOE COMPANY, Rockland, Mass. Filed Mar. 5, 1927.

R-TIK-U-LATE
AD-JUS-TOE

Particular description of goods.—Leather Shoes.
Claims use since Feb. 18, 1927.

Ser. No. 245,273. (CLASS 10. FERTILIZERS.) KALON PRODUCTS COMPANY, Kansas City, Mo. Filed Mar. 5, 1927.

"LAWN-LIFE"

Particular description of goods.—Combined Germicide, Insecticide, Soil Builder and Plant Food for Lawns, Flowers, Shrubs, Etc.
Claims use since Oct. 16, 1926.

Ser. No. 245,337. (CLASS 38. PRINTS AND PUBLICATIONS.) AMAZON KNITTING COMPANY, Muskegon, Mich. Filed Mar. 7, 1927.

AMAGON

Particular description of goods.—Printed Rug Charts.
Claims use since August, 1926.

Ser. No. 245,349. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KLOREX, INC., Indianapolis, Ind. Filed Mar. 7, 1927.

KLOREX

Particular description of goods.—Inhalant Medication in Paste or Semiliquid Form for the Relief and Prevention of Colds, Catarrh, and Other Acute Respiratory Affections.
Claims use since November, 1925.

Ser. No. 245,356. (CLASS 12. CONSTRUCTION MATERIALS.) LEWIS ASPHALT ENGINEERING CORPORATION, New York, N. Y. Filed Mar. 7, 1927.

KORKPHALT

Particular description of goods.—Asphalt Used for Cementing Materials.
Claims use since Nov. 13, 1926.

Ser. No. 245,372. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RUBYETTE CO., San Francisco, Calif. Filed Mar. 7, 1927.

DECORETTES

Particular description of goods.—Preserved and Canned Raisins and Grapes.
Claims use since Feb. 21, 1927.

Ser. No. 245,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RUBYETTE CO., San Francisco, Calif. Filed Mar. 7, 1927.

GARNETTES

Particular description of goods.—Preserved and Canned Raisins and Grapes.
Claims use since Feb. 21, 1927.

Ser. No. 245,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KOPA CORPORATION, Fort Worth, Tex. Filed Mar. 8, 1927.

KŌ-PA

Particular description of goods.—A Product Made from Grains and Fruits Adapted for Use as a Breakfast Cereal or for Making a Coffee Substitute Beverage or for Making a Flavoring Sirup.
Claims use since December, 1926.

Ser. No. 245,401. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KOPA CORPORATION, Fort Worth, Tex. Filed Mar. 8, 1927.

KŌ-PA

Particular description of goods.—Cereal Food Drink.
Claims use since December, 1926.

Ser. No. 245,419. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 9, 1927.

Silvel

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Sept. 1, 1926.

Ser. No. 245,426. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN C. CRAVEN, San Francisco, Calif. Filed Mar. 9, 1927.

DENTAL CRATEX CRAFTSMANSHIP

No claim is made to the words "Dental" and "Craftsmanship" apart from the mark shown in the drawing.
Particular description of goods.—Abrasive, Polishing, and Finishing Wheel for Dental, Jewelry, and Other Work.
Claims use since Nov. 1, 1926.

Ser. No. 245,432. (CLASS 12. CONSTRUCTION MATERIALS.) FRIDERICHSEN FLOOR & WALL TILE CO., Independence, Mo. Filed Mar. 9, 1927.



Particular description of goods.—Ceramic Tiles, Surfacings, Nosings, Railings, and Wall Facings.
Claims use since 1922.

Ser. No. 245,455. (CLASS 39. CLOTHING.) SARANAC GLOVE CO., Littleton, N. H. Filed Mar. 9, 1927.

SNOW BALL BRAND

The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Leather Gloves and Mittens.
Claims use since Jan. 15, 1927.

Ser. No. 245,493. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL GENEVA ASSOCIATION, INC., New York, N. Y. Filed Mar. 10, 1927.

The Hotel Industry

Particular description of goods.—Monthly Magazine Publication.
Claims use since October, 1913.

Ser. No. 245,498. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 10, 1927.

SNUG-RUG

Without waiving any common-law rights and for purposes of this registration only, applicant hereby disclaims exclusive right to the word "Rug" except as the same is used in connection with the other features of the mark shown on the drawing.
Particular description of goods.—Lap Rugs of Combinations of Cotton, Wool, and Rubber.
Claims use since Jan. 31, 1927.

Ser. No. 245,517. (CLASS 39. CLOTHING.) PRESSMAN & AARONSON, New York, N. Y. Filed Mar. 10, 1927.

Pan-T-Creeper

Applicants disclaim exclusive right to the use of the word "Creeper" except as the same is used in connection with the other features of the mark shown on the drawing.
Particular description of goods.—Rompers.
Claims use since Dec. 1, 1926.

Ser. No. 245,520. (CLASS 33. GLASSWARE.) SEMON BACHE & COMPANY, New York, N. Y. Filed Mar. 10, 1927.

SUNLIT

Particular description of goods.—Sheet Glass, Window Glass, and Plate Glass.
Claims use since Dec. 1, 1926.

Ser. No. 245,522. (CLASS 39. CLOTHING.) STONE-TARLOW CO. INC., Brockton, Mass. Filed Mar. 10, 1927.

STACO
STONE-ARCH

Applicant owns Registration No. 138,517.
Particular description of goods.—Leather Shoes.
Claims use since on or about Jan. 1, 1922.

Ser. No. 245,564. (CLASS 39. CLOTHING.) HAYMON KRUPP & CO., El Paso, Tex. Filed Mar. 11, 1927.

VOLCANO

Particular description of goods.—Knit Goods—Namely, Sweaters, Sweater Coats, Sport Coats, and Lumber Jackets—for Men, Women, and Children.
Claims use since Mar. 3, 1927.

Ser. No. 245,568. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB LORENZ, St. Louis, Mo. Filed Mar. 11, 1927.

PENETRAL

Particular description of goods.—Medicine for Gonorrhea.
Claims use since on or about Feb. 18, 1927.

Ser. No. 245,573. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NORTH AMERICAN BREWING COMPANY, Brooklyn, N. Y. Filed Mar. 11, 1927.

PARAMOUNT BREW

No rights are asserted to the exclusive use of the word "Brew" apart from the trade-mark shown in the drawing.
Particular description of goods.—Near Beer.
Claims use since September, 1926.

Ser. No. 245,585. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CLARENCE EDWARD SCHOENBORN, Buffalo, N. Y. Filed Mar. 11, 1927.

WHIRL
FIRE

Particular description of goods.—Gas-Burning Heating Apparatus for Domestic and Commercial Furnaces.
Claims use since Dec. 1, 1926.

Ser. No. 245,626. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL PORCELAIN COMPANY, Parkersburg, W. Va. Filed Mar. 12, 1927.

GEE PEE

Particular description of goods.—Porcelain Insulator Knobs.
Claims use since July 7, 1926.

Ser. No. 245,669. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERNE J. TODD, doing business as Moval Products Co., Seattle, Wash. Filed Mar. 12, 1927.

MOVAL

Particular description of goods.—Chemical Cleaner for Removing Creosote, Asphalt, Tar, Fuel, and Crude Oils and Other Gummed Surfaces.
Claims use since Nov. 1, 1924.

Ser. No. 245,674. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WELT-WACHS-WERK EGBERT GÜNTHER SÖHNE, Dresden, Germany. Filed Mar. 12, 1927.

Eg-Gü

Particular description of goods.—Polishing Materials of Wax for Cleaning and Polishing Floors.
Claims use since 1919.

Ser. No. 245,691. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Mar. 14, 1927.

SUMORO

Particular description of goods.—Nonalcoholic Maltless, Fruit Juices, Fruit-Juice Compounds, and Fruit-Juice Beverages.
Claims use since about Jan. 13, 1927.

Ser. No. 245,705. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GENERAL TYPEWRITER EXCHANGE, New York, N. Y. Filed Mar. 14, 1927.

★ GOLD STANDARD ★

Particular description of goods.—Typewriters.
Claims use since Feb. 3, 1927.

Ser. No. 245,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEWLETT BROS. COMPANY, Salt Lake City, Utah. Filed Mar. 14, 1927.

Berri-Best
Brand

The descriptive words "Best" and "Brand" are disclaimed apart from the other features of the mark.
Particular description of goods.—Jams, Jellies, and Crushed Fruits.
Claims use since Feb. 1, 1927.

Ser. No. 245,752. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Mar. 14, 1927.

BOROLIN

The mark consists of the word "Borolin."
Particular description of goods.—Antiseptic Fabric Dry Dressing Manufactured from Prepared Lint Having Medicinal and Healing Properties.
Claims use since Oct. 4, 1926.

Ser. No. 245,754. (CLASS 38. PRINTS AND PUBLICATIONS.) ABRAHAM LINCOLN SCOTT, New York, N. Y. Filed Mar. 14, 1927.

THE
AMERICAN HOTEL

Particular description of goods.—Monthly Publication.
Claims use since Feb. 1, 1927.

Ser. No. 245,782. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Mar. 15, 1927.

MAHOGANY

Particular description of goods.—Soap.
Claims use since 1894.

Ser. No. 245,783. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany. Filed Mar. 15, 1927.



Particular description of goods.—Upright and Inverted Gas Mantles.
Claims use since January, 1923.

Ser. No. 245,822. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ANSONIA O & C COMPANY, Ansonia, Conn. Filed Mar. 16, 1927.

Rayonet

Particular description of goods.—Wide Elastic Webbing.
Claims use since on or about Mar. 3, 1927.

Ser. No. 245,830. (CLASS 2. RECEPTACLES.) CHATTANOOGA BOILER & TANK CO., Chattanooga, Tenn. Filed Mar. 16, 1927.

SOUTHLAND

"Southland."

Particular description of goods.—Storage Tanks.
Claims use since May, 1924.

Ser. No. 245,862. (CLASS 15. OILS AND GREASES.) PRIMARY OIL COMPANY, Wapello, Iowa. Filed Mar. 16, 1927.

PRIMARY OILS

The word "Oils" being descriptive, it is disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Lubricating and Fuel Oils and Greases.
Claims use since October, 1922.

Ser. No. 245,873. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE UNITED STATES FASTENER COMPANY, South Boston, Mass. Filed Mar. 16, 1927.

Pinitons

Particular description of goods.—Pin Fasteners for Tidies, Slip Covers, and Draperies.
Claims use since Dec. 1, 1926.

Ser. No. 245,884. (CLASS 12, CONSTRUCTION MATERIALS.) JOHN T. BEALOR, doing business as Cambridge Pliable Brick Company, Cambridge, Ohio. Filed Mar. 17, 1927.

OX



Particular description of goods.—Plastic Refractory Material for Boiler and Furnace Lining.
Claims use since Jan. 1, 1926.

Ser. No. 245,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMERON-SPROWLS PHARMACY CO., Superior, Wis. Filed Mar. 17, 1927.

CAMERON'S CREAM OF LILIES

No claim is made to the surname "Cameron's" apart from the mark as shown on the drawing.

Particular description of goods.—Preparation for the Treatment of the Skin, Chapped Hands, Chafed and Scaled Skin, Freckles, Sunburn, and Tan.
Claims use since Jan. 1, 1900.

Ser. No. 245,895. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRYSTAL CARBONIC LABORATORY, Atlanta, Ga. Filed Mar. 17, 1927.

ALERTOX

Particular description of goods.—Saline Eliminants.
Claims use since Feb. 2, 1927.

Ser. No. 245,900. (CLASS 39. CLOTHING.) BEN FLIGEL, doing business as Ben Fligel Company, New York, N. Y. Filed Mar. 17, 1927.

The BLAZER SLICKER

No claim is made to the exclusive use of the word "Slicker" apart from the mark as shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Raincoats.
Claims use since Feb. 4, 1927.

Ser. No. 245,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP E. HELMER, Pinconning, Mich. Filed Mar. 17, 1927.

SUPERMENDIT

Particular description of goods.—Nonclogging Radiator Liquid to be Used for Mending Leaks in Automobile Radiators.
Claims use since Apr. 3, 1926.

Ser. No. 245,930. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Filed Mar. 17, 1927.

Sylox

Applicant is the owner of registered Trade-Mark No. 190,425.

Particular description of goods.—Toilet Powder.
Claims use since May 12, 1926.

Ser. No. 245,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Filed Mar. 17, 1927.

POROX

Particular description of goods.—Toilet Powder.
Claims use since May 12, 1926.

Ser. No. 245,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Filed Mar. 17, 1927.

Kyrox

Particular description of goods.—Toilet Powder.
Claims use since May 12, 1926.

Ser. No. 245,936. (CLASS 32. FURNITURE AND UPHOLSTERY.) SUPERIOR STEEL BED CO. INC., Brooklyn, N. Y. Filed Mar. 17, 1927.

Superior Brooklyn, MAKERS OF SUPERIOR BEDSTEADS SteelBedCo. New York

No claim is made to the exclusive use of the words "Makers of Superior," "Bedsteads," and "Brooklyn, New York," apart from the mark shown in the drawing.

Particular description of goods.—Brass and Iron Beds.
Claims use since Jan. 18, 1927.

Ser. No. 245,946. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WISCONSIN KNIFE WORKS, INC., Clinton, Wis. Filed Mar. 17, 1927.

BADGER

Trade-mark consists of the word "Badger" within a border.

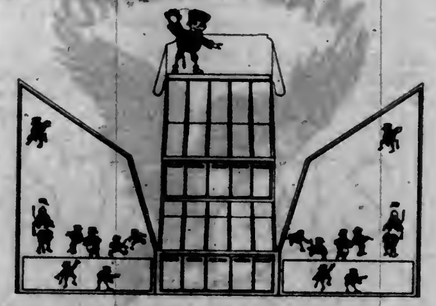
Particular description of goods.—Cutter Heads for Woodworking Machinery—Namely, Molder Heads, Coping Heads, Jointer Heads, Sticker Heads, Matcher Heads, and Grooving or Plowing Saw Heads or Collars, Knives, Bits, and Tools Therefor, and Sharpening Tools for the Foregoing.
Claims use since Nov. 1, 1926.

Ser. No. 245,995. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAGNESIA PRODUCTS INC., Atlanta, Ga. Filed Mar. 18, 1927.

Milk-o-Nesia

Particular description of goods.—Medicated Chewing Gum Containing Magnesia.
Claims use since Feb. 22, 1927.

Ser. No. 246,015. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE CANDY COMPANY, St. Joseph, Mo. Filed Mar. 19, 1927.



No claim is made to the pictorial representation of the container apart from the mark as shown.

Particular description of goods.—Candy.
Claims use since Jan. 3, 1927.

Ser. No. 246,019. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 19, 1927.

UNISTEEL

Particular description of goods.—Metal Braces for Furniture.
Claims use since Feb. 25, 1927.

Ser. No. 246,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOUR DISTRIBUTING CO., Newark, N. J. Filed Mar. 19, 1927.



Particular description of goods.—Wheat Flour.
Claims use since Jan. 4, 1927.

Ser. No. 246,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOUR DISTRIBUTING CO., Newark, N. J. Filed Mar. 19, 1927.



Particular description of goods.—Wheat Flour.
Claims use since Jan. 4, 1927.

Ser. No. 246,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLT & COMPANY, INC., New York, N. Y. Filed Mar. 19, 1927.

CONCORDIA

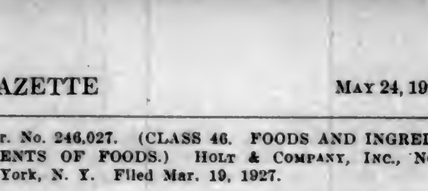
Particular description of goods.—Wheat Flour.
Claims use since 1904.

Ser. No. 246,030. (CLASS 39. CLOTHING.) THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Filed Mar. 19, 1927.



Particular description of goods.—Men's, Women's, and Children's Wearing Apparel, Consisting of Suits, Overcoats, Coats, Trousers, Vests, Skirts, and Dresses.
Claims use since Feb. 15, 1927.

Ser. No. 246,081. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE COOPER CORP., Cincinnati, Ohio. Filed Mar. 21, 1927.



No claim is made to the words "Keeps Cool" and "Tube" apart from the mark shown in the drawing.
Particular description of goods.—Inner Tubes for Pneumatic Tires.
Claims use since Aug. 7, 1926.

Ser. No. 246,083. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVEX CORPORATION, New York, N. Y. Filed Mar. 21, 1927.



The drawing is lined to show the colors red, blue, and yellow.
Particular description of goods.—Preparation for Removing Dandruff, Shampoo, Hair Tonic, Hair-Dressing Preparation, After-Shave Lotion, Talcum, and Face Powder and Face Cream.
Claims use since Sept. 1, 1926.

Ser. No. 246,084. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVEX CORPORATION, New York, N. Y. Filed Mar. 21, 1927.

DAVEX

"Davex."
Particular description of goods.—Preparation for Removing Dandruff, Shampoo, Hair Tonic, Hair-Dressing Preparation, After-Shave Lotion, Talcum, and Face Powder and Face Cream.
Claims use since Sept. 1, 1926.

Ser. No. 246,086. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany. Filed Mar. 21, 1927.

Multifil

Particular description of goods.—Upright and Inverted Gas Mantles.
Claims use since Sept. 16, 1926.

Ser. No. 246,100. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LLOYD BROTHERS, PHARMACISTS, INC., Cincinnati, Ohio. Filed Mar. 21, 1927. Under 10-year proviso.



Particular description of goods.—Soap.
Claims use since December, 1894.

Ser. No. 246,105. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. MCCLINTOCK, doing business as Eublen Pure Food Products Company, Cincinnati, Ohio. Filed Mar. 21, 1927.



Particular description of goods.—Coffee Mixture.
Claims use since Apr. 15, 1926.

Ser. No. 246,128. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. & H. SIMON COMPANY, Union City, N. J. Filed Mar. 21, 1927.

Satelle

Particular description of goods.—Satin Piece Goods.
Claims use since Mar. 5, 1927.

Ser. No. 246,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORVALL SMILEY, Indianapolis, Ind. Filed Mar. 21, 1927.



The shading on the drawing indicates blue.
Particular description of goods.—Prophylactic Preparations.
Claims use since Jan. 24, 1927.

Ser. No. 246,181. (CLASS 2. RECEPTACLES.) SANI PAPER PRODUCTS CO., INC., Philadelphia, Pa. Filed Mar. 22, 1927.

SA-FI-BA

Particular description of goods.—Fiber Baking Receptacles.
Claims use since Jan. 24, 1921.

Ser. No. 246,189. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES E. WILLIS, New York, N. Y. Filed Mar. 22, 1927.

STAPUTS

The representations of the goods, a double-pointed pin, are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Picture-Frame-Holding Pins.
Claims use since July 1, 1926.

Ser. No. 246,195. (CLASS 2. RECEPTACLES.) THE CLARK GRAVE VAULT CO., Columbus, Ohio. Filed Mar. 23, 1927.



The representation of the goods and all the words on the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Grave Vaults.
Claims use since 1922.

Ser. No. 246,198. (CLASS 20. LINOLEUM AND OILED CLOTH.) CONGOLEUM-NAIRN INC., Philadelphia, Pa. Filed Mar. 23, 1927.

X-OLEUM

Particular description of goods.—Prepared Floor Coverings of the Oiled-Cloth Type.
Claims use since Mar. 15, 1927.

Ser. No. 246,204. (CLASS 39. CLOTHING.) GOTHAM CHILDREN'S UNDERWEAR CO., New York, N. Y. Filed Mar. 23, 1927.

COLLEEN

Particular description of goods.—Youths', Misses', and Children's Underwear of Knitted or Textile Fabric.
Claims use since Mar. 18, 1927.

Ser. No. 246,206. (CLASS 12. CONSTRUCTION MATERIALS.) A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Mar. 23, 1927.

'SAIRSET

Particular description of goods.—Fire-Brick Cement.
Claims use since Sept. 1, 1922.

Ser. No. 246,208. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEO. S. HERSHEY, doing business as George S. Hershey Company, Los Angeles, Calif. Filed Mar. 23, 1927.



No claim is made to the representation of the powder puff apart from the mark as shown. The portrait shown is that of Phyllis Haver, of Hollywood, Calif. Permission granted.

Particular description of goods.—Powder Puffs.
Claims use since July 1, 1925.

Ser. No. 246,219. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) A. S. NOWLIN & COMPANY, Lynchburg, Va. Filed Mar. 23, 1927.

BLACK GEM

Particular description of goods.—Coal.
Claims use since about Feb. 15, 1927.

Ser. No. 246,221. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE PACIFIC DRY GOODS CO., San Francisco, Calif. Filed Mar. 23, 1927.

CHI
CHI

Particular description of goods.—A Fortune-Telling Game Consisting of a Box of Sticks with Numbers Thereon Which Correspond with Like Numbers in a Book.
Claims use since Jan. 1, 1915.

Ser. No. 246,237. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Mar. 23, 1927.

MAJOR

Particular description of goods.—Automobiles.
Claims use since Mar. 17, 1927.

Ser. No. 246,238. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Mar. 23, 1927.

CAPTAIN

Particular description of goods.—Automobiles.
Claims use since Mar. 17, 1927.

Ser. No. 246,245. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES QUARRY TILE CO., East Sparta, Ohio. Filed Mar. 23, 1927.

ROMANY RAINBOW

Particular description of goods.—Quarry Tile.
Claims use since Jan. 26, 1927.

Ser. No. 246,263. (CLASS 12. CONSTRUCTION MATERIALS.) AUGUSTA LIME COMPANY, Staunton, Va. Filed Mar. 24, 1927.

BOSS

Particular description of goods.—Lime.
Claims use since about 1923.

Ser. No. 246,299. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARQUISETTE, INC., Brooklyn, N. Y. Filed Mar. 24, 1927.



The drawing is lined to indicate a yellow or golden color.

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Shampoos, Dry Shampoos, Hair Whitener, Hair Dye, Tooth Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, Sachets, and Solid Perfumes.
Claims use since 1921.

Ser. No. 246,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOHAWK CONDENSED MILK COMPANY, New York, N. Y. Filed Mar. 24, 1927.

CRUZ AZUL
BLUE CROSS



Particular description of goods.—Condensed Milk.
Claims use since Feb. 23, 1926.

Ser. No. 246,306. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NEWARK VARNISH WORKS, INC., Newark, N. J. Filed Mar. 24, 1927.



Particular description of goods.—Lacquers.
Claims use since Mar. 5, 1927.

Ser. No. 246,307. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NEWARK VARNISH WORKS, INC., Newark, N. J. Filed Mar. 24, 1927.



Particular description of goods.—Lacquers.
Claims use since Mar. 5, 1927.

Ser. No. 246,333. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany. Filed Mar. 25, 1927.

Plurifil

"Plurifil."

Particular description of goods.—Upright and Inverted Gas Mantles.

Claims use since Nov. 3, 1926.

Ser. No. 246,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE CHARLES GAGAN, Mount Vernon, N. Y. Filed Mar. 25, 1927.



Particular description of goods.—Bleaching Compound.

Claims use since Feb. 17, 1925.

Ser. No. 246,345. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HARPIC MANUFACTURING COMPANY, LIMITED, London, England. Filed Mar. 25, 1927.



Particular description of goods.—Dry, Paste, or Ready-Mixed Paints, Varnishes, and Paint Enamels.

Claims use since Sept. 25, 1924.

Ser. No. 246,361. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 25, 1927.

PENISNAP

Particular description of goods.—Snap Fasteners.

Claims use since Dec. 21, 1926.

Ser. No. 246,362. (CLASS 38. PRINTS AND PUBLICATIONS.) PHOTOMATON, INC., New York, N. Y. Filed Mar. 25, 1927.

Photómaton
Every Move a Picture!

Particular description of goods.—Photographic Prints.

Claims use since 1926.

Ser. No. 246,363. (CLASS 38. PRINTS AND PUBLICATIONS.) PHOTOMATON, INC., New York, N. Y. Filed Mar. 25, 1927.

Photómaton
Just Picture Yourself!

Particular description of goods.—Photographic Prints.

Claims use since 1926.

Ser. No. 246,382. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Mar. 26, 1927.

RECESS

Particular description of goods.—Hosiery.

Claims use since Mar. 2, 1927.

Ser. No. 246,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRENCH BEAUTY PRODUCTS CO., INC., New York, N. Y. Filed Mar. 26, 1927.

PRINCESS MARY

Particular description of goods.—Tooth Paste and Talcum Powder.

Claims use since Oct. 1, 1926.

Ser. No. 246,406. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. HODGE, Holder, Fla. Filed Mar. 26, 1927.

FLORIDA BLOOM

Particular description of goods.—Medicine Compound for Treating Sores and Skin Diseases.

Claims use since Feb. 24, 1927.

Ser. No. 246,426. (CLASS 2. RECEPTACLES.) MOTHPROOF RUG BAG COMPANY, Savannah, Ga. Filed Mar. 26, 1927.

SAFTO-RUG-BAG

No claim is made to the words "Rug-Bag" apart from the mark as shown.

Particular description of goods.—Rug Bags.

Claims use since Feb. 21, 1927.

Ser. No. 246,435. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) RED SUN PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 26, 1927.



The drawing is lined for red.

Particular description of goods.—Malt-Sirup for Food Purposes.

Claims use since Aug. 16, 1920.

Ser. No. 246,446. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STEWART PAINT MFG. CO., Minneapolis, Minn. Filed Mar. 26, 1927.



Particular description of goods.—Mixed Paint Ready for Use.

Claims use since Aug. 10, 1926.

Ser. No. 246,448. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JUDITH TAYLOR, Timberlake, N. C. Filed Mar. 26, 1927.



PRETTY POLLY

No claim is made to the representation of the goods apart from the mark as shown.

Particular description of goods.—Powder Puffs.

Claims use since Mar. 15, 1926.

Ser. No. 246,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. WOOD COMPANY, Philadelphia, Pa. Filed Mar. 26, 1927.



The drawing is lined for red.

Particular description of goods.—Preparation for the Relief of Hoarseness, Colds, Coughs, Sore Throat, and Bronchitis.

Claims use since July 1, 1918.

Ser. No. 246,483. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROBERT PARSONS KING, Ellsworth, Me. Filed Mar. 28, 1927.

FREEFUEL

Particular description of goods.—Fuel Economizer for Heating Plants.

Claims use since Mar. 17, 1927.

Ser. No. 246,533. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DURAND & HUGUENIN S. A., Basel, Switzerland. Filed Mar. 29, 1927.



No claim is made to the exclusive use of the words "Marque-Deposee" appearing on the drawing.

Particular description of goods.—Artificial Dyestuffs and Chemical Products for Dyeing and Printing.

Claims use since about 1872.

Ser. No. 246,538. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Mar. 29, 1927.

BROADTOWN

Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since about Mar. 1, 1926.

Ser. No. 246,539. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Mar. 29, 1927.

COPESON
HY NOTCH

Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since about Feb. 15, 1927.

Ser. No. 246,540. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Mar. 29, 1927.

COPESON
HY POINT

Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since about Feb. 15, 1927.

Ser. No. 246,560. (CLASS 39. CLOTHING.) MICHAEL G. MICHAEL, doing business as Michael School of Acrobatics, New York, N. Y. Filed Mar. 29, 1927.



Particular description of goods.—Girdles.
Claims use since September, 1924.

Ser. No. 246,577. (CLASS 39. CLOTHING.) UTICA DUXBAK CORPORATION, Utica, N. Y. Filed Mar. 29, 1927.

Pakbak

Particular description of goods.—Hunting Coats.
Claims use since July 8, 1925.

Ser. No. 246,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. L. FITZ PATRICK, Philadelphia, Pa. Filed Mar. 30, 1927.



Particular description of goods.—Live Cows.
Claims use since the year 1909.

Ser. No. 246,641. (CLASS 39. CLOTHING.) SOCIETY MAID HOSIERY COMPANY, INC., New York, N. Y. Filed Mar. 30, 1927.

ANKLET

Particular description of goods.—Women's Hosiery.
Claims use since on or about Nov. 1, 1926.

Ser. No. 246,643. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS STECKLER, doing business as Spexout Products Co., New York, N. Y. Filed Mar. 30, 1927.

SPEX-OUT

"Spex-Out."
Particular description of goods.—Dry Cleaner and Spot Remover.
Claims use since Mar. 3, 1927.

Ser. No. 246,644. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Mar. 30, 1927.

SHIRTEX

"Shirtex."
Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 13, 1925.

Ser. No. 246,658. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GEORGE W. BARTON, San Diego, Calif. Filed Mar. 31, 1927.

Barton's Special
IT'S GOOD GB IT'S BETTER

Applicant disclaims the use of the words "Barton's Special," "It's Good," and "It's Better" herein apart from the mark shown in the drawing.
Particular description of goods.—A Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Jan. 8, 1927.

Ser. No. 246,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 31, 1927.

DU PONT
SEMESAN BEL

Particular description of goods.—Fungicide, Seed Disinfectant.
Claims use since Mar. 29, 1926.

Ser. No. 246,675. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NINA LARREY DURYEA, New York, N. Y. Filed Mar. 31, 1927.

SONA

Particular description of goods.—Fabric of Piece Goods Without Warp or Woof Whose Base is Cotton Fibers Compressed by Heated Cylinders and Impregnated with a Rubber Compound.
Claims use since Feb. 1, 1927.

Ser. No. 246,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARLL CANNING CO., Gorham, Me. Filed Apr. 1, 1927.

FORT HILL

Particular description of goods.—Canned Vegetables.
Claims use since Nov. 26, 1926.

Ser. No. 246,763. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn. Filed Apr. 1, 1927. Under 10-year proviso.

McKesson's

Particular description of goods.—Quinine Sulphate (U. S. P.), Cinchonine Sulphate (U. S. P.), Chlorophyll Aqueous, Cod-Liver Oil, Chloroform Liniment, Tincture of Green Soap (U. S. P.), Camphorated Oil (U. S. P.), Tincture of Iodine (U. S. P.), Soap Liniment (U. S. P.), and Quinine Pills.
Claims use since about 1870.

Ser. No. 246,769. (CLASS 39. CLOTHING.) MAX PFAU HOSIERY MILL INC., Reading, Pa. Filed Apr. 1, 1927.

Pfau

Particular description of goods.—Knit Hosiery.
Claims use since Jan. 1, 1927.

Ser. No. 246,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PUYALLUP & SUMNER FRUIT GROWERS ASSOCIATION, Puyallup, Wash. Filed Apr. 1, 1927.

CHARMED LAND

Particular description of goods.—Canned Vegetables—Namely, Pumpkin, Beets, Peas, Beans, Tomatoes; Fresh Vegetables—Namely, Lettuce, Tomatoes, Asparagus, and Spinach.
Claims use since Apr. 22, 1926.

Ser. No. 246,801. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADDRESSOGRAPH COMPANY, Chicago, Ill. Filed Apr. 2, 1927.

Graphotype

Particular description of goods.—Machines for Making Printing Plates.
Claims use since Mar. 15, 1927.

Ser. No. 246,806. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN WOOLEN COMPANY, Boston, Mass. Filed Apr. 2, 1927.

AMERICAN WOOLEN COMPANY

Particular description of goods.—Woolen Piece Goods.
Claims use since on or about Jan. 1, 1912.

Ser. No. 246,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, doing business as Bunte, Chicago, Ill. Filed Apr. 2, 1927.

BALLET

Particular description of goods.—Candy.
Claims use since Feb. 24, 1927.

Ser. No. 246,828. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GASH-STULL COMPANY, Chester, Pa. Filed Apr. 2, 1927.

T.I.E.D.

Particular description of goods.—Pneumatic Tires, Rubber Belting, and Canvas Belting.
Claims use since Oct. 10, 1926.

Ser. No. 246,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE YOUNG LABORATORIES, Bay City, Mich. Filed Apr. 2, 1927.

SLICK

Particular description of goods.—Antifouling Compound for Coating Storage-Battery Terminals, Cables, Connections, and Terminals on Radio Sets, Etc.
Claims use since Mar. 14, 1927.

Ser. No. 246,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, North Chicago, Ill. Filed Apr. 4, 1927.

Bismarsen

Particular description of goods.—Bismuth Arsphenamine Sulphonate.
Claims use since Feb. 14, 1927.

Ser. No. 246,884. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES BROWN & COMPANY, INC., New York, N. Y. Filed Apr. 4, 1927.

CBC

Particular description of goods.—Canton Silk in the Piece.
Claims use since Sept. 11, 1926.

Ser. No. 246,893. (CLASS 2. RECEPTACLES.) FARMERS MANUFACTURING COMPANY, Norfolk, Va. Filed Apr. 4, 1927.

FARMCO PRODUCTS

No claim is made for the word "Products" aside from the environment shown.
Particular description of goods.—Fruit and Vegetable Wooden Packages and Parts Thereof.
Claims use since Mar. 11, 1927.

Ser. No. 246,901. (CLASS 39. CLOTHING.) M. HAUPTMAN, INC., New York, N. Y. Filed Apr. 4, 1927.

Mayfame

Particular description of goods.—Outer Clothing for Men, Boys, and Children—Namely, Overcoats, Topcoats, Trousers, Vests, and Jackets.
Claims use since Mar. 15, 1927.

Ser. No. 246,919. (CLASS 39. CLOTHING.) THE MIDDISHADE COMPANY, INC., Philadelphia, Pa. Filed Apr. 4, 1927.

MIDDISHADE

Particular description of goods.—Men's and Young Men's Coats, Vests, Trousers, and Suits.
Claims use since about Jan. 2, 1923.

Ser. No. 246,920. (CLASS 39. CLOTHING.) THE MIDDISHADE COMPANY, INC., Philadelphia, Pa. Filed Apr. 4, 1927.

MIDDISTRIPE

Particular description of goods.—Men's and Young Men's Suits.
Claims use since about Mar. 9, 1925.

Ser. No. 246,944. (CLASS 38. PRINTS AND PUBLICATIONS.) YOUR GARDEN PUBLISHING COMPANY, INC., Cleveland, Ohio. Filed Apr. 4, 1927.

YOUR GARDEN

Particular description of goods.—Periodical Publication.
Claims use since Mar. 26, 1927.

Ser. No. 246,945. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) CARL FISCHER, INC., New York, N. Y. Filed Apr. 4, 1927.

Leopold Auer

The trade-mark is the signature of Leopold Auer, a writer of music, a violinist, and a teacher of the violin. The written consent of Leopold Auer to the registration of this trade-mark is included herewith.
Particular description of goods.—Violin Cases.
Claims use since July 1, 1926.

Ser. No. 246,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEIGHBOR PRODUCTS CO., Chicago, Ill. Filed Apr. 5, 1927.

NEIGHBOR

Particular description of goods.—Alimentary Pastes—Namely, Macaroni, Noodles, and Spaghetti; also Rolled Oats and Mustard.
Claims use since Dec. 21, 1926, on macaroni, noodles, and spaghetti, and since Nov. 1, 1926, on rolled oats and mustard.

Ser. No. 246,980. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

PENCO

Particular description of goods.—Rubber Soles for Shoes and Rubber Heels for Shoes.
Claims use since Feb. 16, 1927.

Ser. No. 246,981. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

PENIMAID

Particular description of goods.—Shoulder-Strap Ribbon in the Piece or Bolt.
Claims use since Jan. 28, 1927.

Ser. No. 246,988. (CLASS 38. PRINTS AND PUBLICATIONS.) DONALD T. WRIGHT, St. Louis, Mo. Filed Apr. 5, 1927.

The WATERWAYS JOURNAL

The Waterways Journal.
Particular description of goods.—Weekly Magazine.
Claims use since April, 1891.

Ser. No. 246,993. (CLASS 38. PRINTS AND PUBLICATIONS.) AUGUST RICHARD AARNHAM, doing business as The Port of New York Publicity Company, New York, N. Y. Filed Apr. 6, 1927.

The PORT OF NEW YORK

The Port of New York.
Particular description of goods.—Monthly Magazine.
Claims use since August, 1926.

Ser. No. 246,996. (CLASS 20. LINOLEUM AND OILED CLOTH.) ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Filed Apr. 6, 1927.



Particular description of goods.—Linoleum and Felt-Base Floor Coverings, Both Piece Goods and Rugs.
Claims use since Mar. 17, 1927.

Ser. No. 247,040. (CLASS 38. PRINTS AND PUBLICATIONS.) RETAIL LUMBERMAN PUBLISHING CO., Kansas City, Mo. Filed Apr. 6, 1927.

Retail Lumberman

Retail Lumberman.
Particular description of goods.—Magazine Published Twice a Month.
Claims use since on or about May 15, 1912.

Ser. No. 247,041. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. E. RHOADS & SONS, Philadelphia, Pa. Filed Apr. 6, 1927.

SPEEDOLITE

Particular description of goods.—Woven-Fabric Belts.
Claims use since Mar. 11, 1927.

Ser. No. 247,052. (CLASS 38. PRINTS AND PUBLICATIONS.) YALE UNIVERSITY PRESS, INC., New Haven, Conn. Filed Apr. 6, 1927.

YALE REVIEW

Particular description of goods.—Quarterly Publications.
Claims use since about May, 1892.

Ser. No. 247,065. (CLASS 39. CLOTHING.) CAMBRIDGE RUBBER COMPANY, Cambridge, Mass. Filed Apr. 7, 1927.

ONANOFF

"Onanoff."
Particular description of goods.—Boots, Shoes, and Overshoes Made Chiefly or Wholly of Rubber and Fabric.
Claims use since Mar. 24, 1927.

Ser. No. 247,088. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GERTRUDE KLINE, Allentown, Pa. Filed Apr. 7, 1927.

WAY-ME

Particular description of goods.—Weighing Hammocks.
Claims use since Mar. 12, 1927.

Ser. No. 247,093. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE INC., Cleveland, Ohio. Filed Apr. 7, 1927.

Golfers You Have Met

Particular description of goods.—Comic Strip.
Claims use since Mar. 1, 1927.

Ser. No. 247,107. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNITED HARDWARE & TOOL CORPORATION, New York, N. Y. Filed Apr. 7, 1927.

GIANTGRIP

Particular description of goods.—Carpenters' Braces, and Chucks for Holding Bits and Drills.
Claims use since Jan. 1, 1927.

Ser. No. 247,109. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTER BROS., New York, N. Y. Filed Apr. 7, 1927.

ATTA BOY!!

"Atta Boy."
Particular description of goods.—Razors.
Claims use since Oct. 9, 1926.

Ser. No. 247,118. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 8, 1927.

Swanella

Particular description of goods.—Woolen Textile Fabrics in the Piece.
Claims use since about Dec. 15, 1926.

Ser. No. 247,138. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PATTERSON D. MERRILL, Chicago, Ill. Filed Apr. 8, 1927.

MIXIT
THE PASTRY CHEF

Particular description of goods.—A Shortening Mixer.
Claims use since Feb. 16, 1925.

Ser. No. 247,140. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) B. L. NICHOLES & CO. INC., New York, N. Y. Filed Apr. 8, 1927.

NICCO

Particular description of goods.—Dusters, Heaters, and Coolers, and Parts Thereof for Printing and Enameling Machines.
Claims use since Sept. 12, 1926.

Ser. No. 247,149. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) STONE & GROPPER, INC., New York, N. Y. Filed Apr. 8, 1927.

SANHAG

Particular description of goods.—Hand Bags.
Claims use since May, 1926.

Ser. No. 247,158. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN PHYSICAL EDUCATION ASSOCIATION, Springfield, Mass. Filed Apr. 9, 1927.

AMERICAN PHYSICAL EDUCATION REVIEW

The American Physical Education Review.
Particular description of goods.—Periodical.
Claims use since September, 1896.

Ser. No. 247,166. (CLASS 38. PRINTS AND PUBLICATIONS.) BUILDING AND REALTY NEWS, INC., White Plains, N. Y. Filed Apr. 9, 1927.

BUILDING AND REALTY NEWS

Particular description of goods.—Periodicals.
Claims use since Jan. 1, 1921.

Ser. No. 247,174. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Apr. 9, 1927.

WAVELOUR

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 15, 1927.

Ser. No. 247,181. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GERRÉ, INC., New York, N. Y. Filed Apr. 9, 1927.

JERRÉ

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, and Sachets.
Claims use since Mar. 13, 1927.

Ser. No. 247,185. (CLASS 43. THREAD AND YARN.) THE GARDINER HALL JR. COMPANY, South Willington, Conn., and New York, N. Y. Filed Apr. 9, 1927.

RAYOL

Particular description of goods.—Thread.
Claims use since about Mar. 1, 1927.

Ser. No. 247,192. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed Apr. 9, 1927.

MELODRAMA

Particular description of goods.—Monthly Magazine.
Claims use since Apr. 6, 1927.

Ser. No. 247,201. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NAVID CHEMICAL CO., San Francisco, Calif. Filed Apr. 9, 1927.

RICINALGAR

Particular description of goods.—Castor-Oil Emulsion.
Claims use since Feb. 1, 1927.

Ser. No. 247,209. (CLASS 38. PRINTS AND PUBLICATIONS.) POULTRY TRIBUNE COMPANY, Mount Morris and Chicago, Ill. Filed Apr. 9, 1927.

POULTRY TRIBUNE

"Poultry Tribune."
Particular description of goods.—Poultry Tribune.
Claims use since on or about September, 1805.

Ser. No. 247,215. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH SCHANTZ, doing business as T. U. T. Mfg. Co., Newark, N. J. Filed Apr. 9, 1927.

T.U.T.

Particular description of goods.—A Medicinal Preparation for the Treatment of Rheumatism and Also as a General Tonic and System Purifier.
Claims use since Feb. 15, 1925.

Ser. No. 247,230. (CLASS 6. FOODS AND INGREDIENTS OF FOODS.) THE WALNUT CREEK MILLING CO., Great Bend, Kans. Filed Apr. 9, 1927.

SNOFLOUR

Particular description of goods.—Wheat Flour.
Claims use since Feb. 23, 1927.

Ser. No. 247,246. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BEARDSLEY & PIPER COMPANY, Chicago, Ill. Filed Apr. 11, 1927.

Better Methods

Particular description of goods.—Monthly Publications.
Claims use since April, 1926.

Ser. No. 247,267. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. ELLIOTT, doing business as Jolly Boy Company, Houston, Tex. Filed Apr. 11, 1927.

Jolly Boy

Particular description of goods.—Ice Cream.
Claims use since May 24, 1926.

Ser. No. 247,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BISCUIT COMPANY, Des Moines, Iowa. Filed Apr. 11, 1927.

Milk-Maid

"Milk Maid."
Particular description of goods.—Crackers.
Claims use since Mar. 1, 1927.

Ser. No. 247,321. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KANSAS FLOUR MILLS CORPORATION, Kansas City, Mo. Filed Apr. 12, 1927.



Particular description of goods.—Stock and Poultry Feeds.
Claims use since Oct. 1, 1926.

Ser. No. 247,332. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARABEE FLOUR MILLS COMPANY, Kansas City, Mo. Filed Apr. 12, 1927.

SILVER MINT

"Silver Mint."
Particular description of goods.—Wheat Flour.
Claims use since Mar. 28, 1927.

Ser. No. 247,337. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAJESTIC SILK MILLS, INC., New York, N. Y. Filed Apr. 12, 1927.

Fluffy Duff

Particular description of goods.—Silk Piece Goods.
Claims use since Feb. 11, 1927.

Ser. No. 247,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Apr. 13, 1927.

ETHOL

Particular description of goods.—Antiknock Compounds For Motor Fuel.
Claims use since Mar. 23, 1927.

Ser. No. 247,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONINO R. MARTINO, doing business as Italy Laboratories, New York, N. Y. Filed Apr. 13, 1927.

SANA-ROID

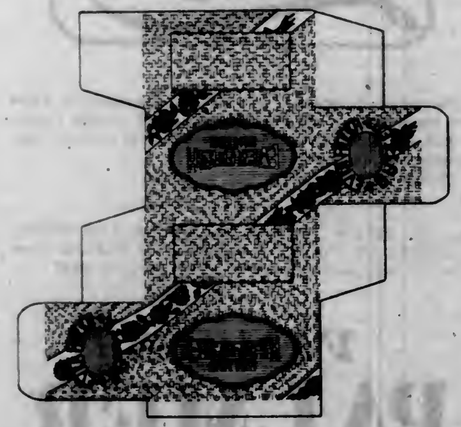
Particular description of goods.—Medicinal Preparation for the Treatment of Hemorrhoids and Piles.
Claims use since Apr. 9, 1927.

Ser. No. 247,406. (CLASS 20. LINOLEUM AND OILED CLOTH.) ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Filed Apr. 14, 1927.

ACCOLAC

Particular description of goods.—Linoleum and Felt-Base Floor Coverings, Both Piece Goods and Rugs.
Claims use since Mar. 30, 1927.

Ser. No. 247,420. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EVER FRESH BUTTER CORPORATION, New York, N. Y. Filed Apr. 14, 1927.



The representation of the carton and the words "Ever Fresh Butter" are disclaimed apart from the mark as shown in the drawing. The drawing is lined for the colors red, green, blue, and yellow.
Particular description of goods.—Butter.
Claims use since Jan. 21, 1927.

Ser. No. 247,430. (CLASS 7. CORDAGE.) HANOVER CORDAGE COMPANY, Hanover, Pa. Filed Apr. 14, 1927.

BEL-CA-TAN

Particular description of goods.—Coarse-Finished Twine.
Claims use since Mar. 1, 1927.

Ser. No. 247,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. C. MCKEE, Columbus, Ga. Filed Apr. 14, 1927.



Particular description of goods.—Insecticides and Rodenticides.
Claims use since Apr. 7, 1927.

Ser. No. 247,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Apr. 15, 1927.

Jodelle

Particular description of goods.—Perfume.
Claims use since Mar. 1, 1927.

Ser. No. 247,471. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GREENE SLOANE & CO., INC., New York, N. Y. Filed Apr. 15, 1927.

RIO-RITA

Particular description of goods.—Piece Goods of Cotton and Rayon.
Claims use since Feb. 11, 1927.

Ser. No. 247,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY N. KOEHLER, Brawley, Calif. Filed Apr. 15, 1927.

PLANTERS

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; Fresh Deciduous Fruits—Namely, Pomegranates; Fresh Vegetables—Namely, Asparagus.
Claims use since Jan. 31, 1927.

Ser. No. 247,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MISSION CITRUS ASSOCIATION, Redlands, Calif. Filed Apr. 15, 1927.

CLEOPATRA

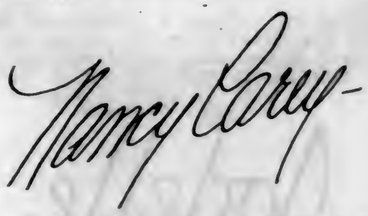
Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Nov. 1, 1926.

Ser. No. 247,490. (CLASS 38. PRINTS AND PUBLICATIONS.) THE OUTLOOK COMPANY, New York, N. Y. Filed Apr. 15, 1927.

The Outlook

Particular description of goods.—Periodical.
Claims use since 1893.

Ser. No. 247,495. (CLASS 38. PRINTS AND PUBLICATIONS.) VESBA T. REDMAN, Washington, D. C. Filed Apr. 15, 1927.



The nom de plume is in the handwriting of the applicant.
Particular description of goods.—Nom de Plume for Newspaper Sections and Newspaper Articles Which Appear from Time to Time.
Claims use since Jan. 2, 1926.

Ser. No. 247,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST LIBERTY COOPERATIVE CREAMERY COMPANY, West Liberty, Iowa. Filed Apr. 15, 1927.



Particular description of goods.—Butter.
Claims use since May 1, 1915.

Ser. No. 247,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALLIANCE ART PRODUCTS COMPANY, Alliance, Ohio. Filed Apr. 16, 1927.

SEA TREASURE

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, and Sachets.
Claims use since July 31, 1925.

Ser. No. 247,525. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DANIEL N. COOKE, New York, N. Y. Filed Apr. 16, 1927.

WIN-SUM CREPE

The word "Crepe" is disclaimed when used apart from the mark shown.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 1, 1927.

Ser. No. 247,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIAN H. E. EBERHARDT, doing business as The Long-Ease Co., Savannah, Ga. Filed Apr. 16, 1927.



Particular description of goods.—Reconstructive Tonic and Healing Expectorant for Treatment of Coughs, Chronic and Acute Bronchitis, Soreness and Cold on the Chest, Hoarseness, and General Colds.
Claims use since about Dec. 1, 1925.

Ser. No. 247,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENCE PRODUCE COMPANY, Independence, Iowa. Filed Apr. 16, 1927.

FAMOUS
PALMER

Particular description of goods.—Eggs.
Claims use since spring of 1891.

Ser. No. 247,546. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEDVIG KNAPIK, New York, N. Y. Filed Apr. 16, 1927.

ARKURA

"Arkura."
Particular description of goods.—Ointment for the Treatment of Cuts, Bruises, Ulcers, and Sores.
Claims use since Jan. 4, 1927.

Ser. No. 247,578. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID E. STRICKLER, Latrobe, Pa. Filed Apr. 16, 1927.

ARRA

Particular description of goods.—General Tonic.
Claims use since Oct. 19, 1925.

Ser. No. 247,634. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMS EDOUARDO, a Corporation, New York, N. Y. Filed Apr. 18, 1927.

NUIT DIVINE

Particular description of goods.—Perfumes.
Claims use since about April, 1926.

Ser. No. 247,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HILL CO., Norristown, Pa. Filed Apr. 20, 1927.

ODORALL

Particular description of goods.—Insecticides.
Claims use since Dec. 14, 1926.

Ser. No. 247,734. (CLASS 38. PRINTS AND PUBLICATIONS.) CARL L. HARRY, doing business as National Advertising Company, Detroit, Mich. Filed Apr. 20, 1927.

The Morning World

Particular description of goods.—Monthly Magazine.
Claims use since Mar. 1, 1927.

Ser. No. 247,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. D. CARPENTER CO., INC., Syracuse, N. Y. Filed Apr. 21, 1927.

NOX-TOX

Particular description of goods.—Insecticides.
Claims use since Mar. 10, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 24, 1927.

228,024. CANDY. HENRY JACOB CRULL, doing business as Bee Sweet Products Company, Huntington, Ind.
Filed January 22, 1927. Serial No. 243,199. PUBLISHED MARCH 15, 1927.

228,025. RUBBER TIRES, RUBBER INNER TUBES, TIRE AND TUBE PATCHES, AND TIRE AND TUBE REPAIR KITS. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed January 21, 1927. Serial No. 243,145. PUBLISHED MARCH 15, 1927.

228,026. KNITTED WOOLEN CLOTHS IN THE PIECE. MAX NEYMAN, Brooklyn, N. Y.
Filed January 20, 1927. Serial No. 243,105. PUBLISHED MARCH 15, 1927.

228,027. HEADING FOR A NEWSPAPER SECTION PUBLISHED MONTHLY. Jos. A. MORRIS & Co., New York, N. Y.
Filed January 20, 1927. Serial No. 243,102. PUBLISHED MARCH 15, 1927.

228,028. MEN'S AND WOMEN'S HOSIERY. DODGE & SEYMOUR, LTD., New York, N. Y.
Filed January 20, 1927. Serial No. 243,084. PUBLISHED MARCH 15, 1927.

228,029. SILK GOODS IN THE PIECE. COHN HALL MARX CO., New York, N. Y.
Filed January 20, 1927. Serial No. 243,082. PUBLISHED MARCH 15, 1927.

228,030. WOOLEN AND WORSTED PIECE GOODS. HAGER, CLARK & CO., New York, N. Y.
Filed January 19, 1927. Serial No. 243,055. PUBLISHED MARCH 15, 1927.

228,031. WOOLEN AND WORSTED PIECE GOODS. HAGER, CLARK & CO., New York, N. Y.
Filed January 19, 1927. Serial No. 243,050. PUBLISHED MARCH 15, 1927.

228,032. WOOLEN AND WORSTED PIECE GOODS. HAGER, CLARK & CO., New York, N. Y.
Filed January 19, 1927. Serial No. 243,048. PUBLISHED MARCH 15, 1927.

228,033. TEXTILE FABRICS—NAMELY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed January 18, 1927. Serial No. 243,011. PUBLISHED MARCH 15, 1927.

228,034. SILK PIECE GOODS. THE H. G. WARLAND CORP., New York, N. Y.
Filed January 17, 1927. Serial No. 242,975. PUBLISHED MARCH 15, 1927.

228,035. AUTOMOBILE ROBES MANUFACTURED FROM WOVEN FABRICS SUCH AS ARE SUITABLE FOR BLANKETS IN BED CLOTHING. THEODORE KAY, Kirkland, Wash.
Filed January 17, 1927. Serial No. 242,954. PUBLISHED MARCH 15, 1927.

228,036. VACUUM CLEANERS. QUALITY HARDWARE AND MACHINE CO., Chicago, Ill.
Filed January 15, 1927. Serial No. 242,907. PUBLISHED MARCH 15, 1927.

228,037. CYLINDRICAL PAPER CANS. THE PURITY PAPER VESSELS COMPANY, Baltimore, Md.
Filed January 15, 1927. Serial No. 242,906. PUBLISHED MARCH 15, 1927.

228,038. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHT ROBES, UNDERWEAR OF TEXTILE FABRIC, AND SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed January 15, 1927. Serial No. 242,876. PUBLISHED MARCH 15, 1927.

228,039. WRAPPING PAPER. TOMAHAWK KRAFT PAPER CO., Tomahawk, Wis.
Filed January 14, 1927. Serial No. 242,866. PUBLISHED MARCH 15, 1927.

228,040. VACUUM BOTTLES AND CONTAINERS. THE KEAPBIT BOTTLE COMPANY, Cincinnati, Ohio.
Filed January 14, 1927. Serial No. 242,836. PUBLISHED MARCH 15, 1927.

228,041. LADIES', MISSES', AND CHILDREN'S HATS. WALTER A. MULLER CO., INC., San Francisco, Calif.
Filed January 13, 1927. Serial No. 242,793. PUBLISHED MARCH 8, 1927.

228,042. LADIES', MISSES', AND CHILDREN'S HATS. WALTER A. MULLER CO., INC., San Francisco, Calif.
Filed January 13, 1927. Serial No. 242,792. PUBLISHED MARCH 8, 1927.

228,043. MEN'S CAPS. CLEVELAND & WHITEHILL CO., Newburgh, N. Y.
Filed January 12, 1927. Serial No. 242,707. PUBLISHED MARCH 8, 1927.

228,044. METALLIC PENS. D. LEONARDT AND COMPANY, Birmingham, England.
Filed December 31, 1926. Serial No. 242,234. PUBLISHED MARCH 15, 1927.

228,045. WOMEN'S HATS. O'HERN, STRACK, & O'HERN, Indianapolis, Ind.
Filed December 31, 1926. Serial No. 242,244. PUBLISHED MARCH 15, 1927.

228,046. DRIED FIGS. CALIFORNIA PEACH & FIG GROWERS ASSOCIATION, Fresno, Calif.
Filed January 3, 1927. Serial No. 242,278. PUBLISHED MARCH 15, 1927.

228,047. CHILDREN'S CLOTHING AND CHILDREN'S OVERALLS. ELOESSER-HEYNEMANN COMPANY, San Francisco, Calif.
Filed January 4, 1927. Serial No. 242,333. PUBLISHED MARCH 8, 1927.

228,048. STENCILS. WALLACE ADDRESSING MACHINE COMPANY, INC., New York, N. Y.
Filed January 3, 1927. Serial No. 242,321. PUBLISHED MARCH 15, 1927.

228,049. UPHOLSTERED FURNITURE—NAMELY, BED DAVENPORTS, DAVENPORTS, SOFAS, CHAIRS, ROCKERS, STOOLS, BENCHES, AND CHAISE LONGUES. MICHIGAN SEATING COMPANY, Jackson, Mich.
Filed January 4, 1927. Serial No. 242,346. PUBLISHED MARCH 15, 1927.

228,050. HOUSE ORGAN. NATIONAL LIFE AND ACCIDENT INSURANCE COMPANY, Nashville, Tenn.
Filed January 6, 1927. Serial No. 242,437. PUBLISHED MARCH 15, 1927.

228,051. SHOE POLISHES AND SHOE CREAMS. GEORGE BROS. MFG. CO., New York, N. Y.
Filed January 7, 1927. Serial No. 242,478. PUBLISHED MARCH 15, 1927.

228,052. CLOTH GARMENTS—NAMELY, DRESS, SPORT-WEAR AND WORK SHIRTS AND BLOUSES FOR MEN, WOMEN, AND CHILDREN. STERN & SAYER, New York, N. Y.
Filed January 7, 1927. Serial No. 242,513. PUBLISHED MARCH 15, 1927.

228,053. COMBINATION OF STEEL WOOL AND HOLDERS THEREFOR. INDUSTRIAL SPECIALTY CORPORATION, West Springfield, Mass.
Filed January 8, 1927. Serial No. 242,539. PUBLISHED MARCH 15, 1927.

228,054. CITRATE OF MAGNESIA. LEE-STRAUSS COMPANY, Johnstown, Pa.
Filed January 8, 1927. Serial No. 242,541. PUBLISHED MARCH 15, 1927.

228,055. WASHING POWDER. ALFRED ANDERSON, doing business as Anderson Chemical Co., Litchfield, Minn.
Filed January 10, 1927. Serial No. 242,561. PUBLISHED MARCH 15, 1927.

228,056. FRUITS—NAMELY, PEACHES, APPLES, PEARS, STRAWBERRIES; AND FRESH VEGETABLES—NAMELY, ASPARAGUS, POTATOES, CABBAGE, AND TOMATOES. ILLINOIS FRUIT GROWERS EXCHANGE, Centralia, Ill.
Filed January 10, 1927. Serial No. 242,591. PUBLISHED MARCH 15, 1927.

228,057. BLANK AND PARTIALLY-PRINTED CARDS AND FORMS FOR INDEXES, INDEXES CONSISTING OF BLANK OR PARTIALLY-PRINTED FORMS OR CARDS, INDEX CARDS OF THE ARTICULATED TYPE, AND CASE FRAMES AND HOLDERS FOR INDEX CARDS. RAND KARDEX BUREAU, INC., Tonawanda, N. Y.
Filed January 10, 1927. Serial No. 242,618. PUBLISHED MARCH 15, 1927.

228,058. CANE AND MAPLE SIRUP. PORTLAND SUPPLY CO., Portland, Oreg.
Filed January 10, 1927. Serial No. 242,615. PUBLISHED MARCH 15, 1927.

228,059. CANNED VEGETABLES AND FRUITS. JOS. SOCOLOF CO., INC., Brooklyn, N. Y.
Filed January 10, 1927. Serial No. 242,628. PUBLISHED MARCH 15, 1927.

228,060. SHIRTING, COTTON PIECE GOODS. SPARTAN MILLS, Spartanburg, S. C.
Filed January 11, 1927. Serial No. 242,694. PUBLISHED MARCH 15, 1927.

228,061. HOSIERY. ANTHONY KOBB, New York, N. Y.
Filed January 11, 1927. Serial No. 242,670. PUBLISHED MARCH 1, 1927.

228,062. NECKTIES. THE WEISBAUM BROS.-BROWER CO., Cincinnati, Ohio.
Filed January 11, 1927. Serial No. 242,698. PUBLISHED MARCH 15, 1927.

228,063. DAILY NEWSPAPER. NEWS PUBLISHING COMPANY, Atlantic City, N. J.
Filed September 11, 1926. Serial No. 237,128. PUBLISHED MARCH 15, 1927.

228,064. HAND SOAP. THE R. M. HOLLINGSHEAD CO., Camden, N. J.
Filed September 15, 1926. Serial No. 237,268. PUBLISHED MARCH 15, 1927.

228,065. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. SWEETWATER FRUIT COMPANY, Bonita, Calif.
Filed September 22, 1926. Serial No. 237,575. PUBLISHED MARCH 15, 1927.

228,066. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT; FRESH DECIDUOUS FRUITS—NAMELY, APPLES, PEACHES, AND FRESH GRAPES. DOM PROTO PISANI, Los Angeles, Calif.
Filed September 24, 1926. Serial No. 237,693. PUBLISHED MARCH 15, 1927.

228,067. FABRICS OF WOOL, WORSTED, COTTON, SILK, OR RAYON FIBER OR COMBINATIONS THEREOF. THE WOOLEN CORPORATION OF AMERICA, New York, N. Y.
Filed November 20, 1926. Serial No. 240,381. PUBLISHED MARCH 15, 1927.

228,068. HOSIERY. CHANDLER BOOT SHOPS, Atlanta, Ga., New Orleans, La., Birmingham, Ala., Memphis, and Nashville, Tenn., and Louisville, Ky.
Filed September 27, 1926. Serial No. 237,782. PUBLISHED MARCH 8, 1927.

228,069. RAZORS AND BARBERS' SHEARS. EHLE & HAGEMANN, Brooklyn, N. Y.
Filed October 4, 1926. Serial No. 238,115. PUBLISHED MARCH 15, 1927.

228,070. MAPS. MIDCONTINENT MAP COMPANY, Tulsa, Okla.
Filed October 19, 1926. Serial No. 238,865. PUBLISHED MARCH 15, 1927.

228,071. CYLINDRICAL PAPER CANS. THE PURITY PAPER VESSELS COMPANY, Baltimore, Md.
Filed October 20, 1926. Serial No. 238,918. PUBLISHED MARCH 15, 1927.

228,072. COMPOUND FOR THE BLOOD AND STOMACH; A MEDICINAL TEA USED IN THE TREATMENT OF ASTHMA, BRONCHITIS, PLEURISY, PNEUMONIA, AND LUNG AFFECTIONS WHERE A MILD EMOLLIENT AND EXPECTORANT IS INDICATED; BALSAM TABLETS FOR THE BREATH AND TO COUNTERACT ACIDITY OF THE STOMACH, LINIMENT, SALVE. A PREPARATION USED IN THE TREATMENT OF SCROFULA, COLD CREAM, AND PERFUME. HARRY EDWIN KNOTZSCH, Toledo, Ohio.
Filed October 23, 1926. Serial No. 239,118. PUBLISHED MARCH 15, 1927.

228,073. NASAL CREAM. LESLIE RESEARCH COMPANY, INC., New York, N. Y.
Filed November 1, 1926. Serial No. 239,531. PUBLISHED MARCH 15, 1927.

228,074. COMPOSITION SOLES FOR SHOES. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed November 4, 1926. Serial No. 239,665. PUBLISHED MARCH 15, 1927.

228,075. CEREAL BEVERAGE COMPOUNDS—NAMELY COFFEE SUBSTITUTE. PERCO CEREAL CO., INC., Fort Worth, Tex.
Filed November 4, 1926. Serial No. 239,673. PUBLISHED MARCH 15, 1927.

228,076. CEREAL BEVERAGE COMPOUNDS—NAMELY COFFEE SUBSTITUTE. PERCO CEREAL CO., INC., Fort Worth, Tex.
Filed November 4, 1926. Serial No. 239,675. PUBLISHED MARCH 15, 1927.

228,077. WRITING PAPER, DRAWING PAPER, TABLETS, AND COMPOSITION BOOKS. BIRMINGHAM PAPER COMPANY, Birmingham, Ala.
Filed November 8, 1926. Serial No. 239,791. PUBLISHED MARCH 15, 1927.

228,078. LEATHER BELTING. THE CLEVELAND OAK BELTING CO., Cleveland, Ohio.
Filed November 18, 1926. Serial No. 240,242. PUBLISHED MARCH 15, 1927.

228,079. ARTICLES OF GLASSWARE. THE LIBBEY GLASS MANUFACTURING COMPANY, Toledo, Ohio.
Filed November 18, 1926. Serial No. 240,268. PUBLISHED MARCH 15, 1927.

228,080. HATS FOR MEN, WOMEN, AND CHILDREN. JOSEPH J. AARONS & CO., New York, N. Y.
Filed November 19, 1926. Serial No. 240,285. PUBLISHED MARCH 15, 1927.

228,081. PERIODICAL PUBLISHED MONTHLY AND CONTAINING CURRENT STATISTICAL INFORMATION ON VARIOUS COMPANIES AND CORPORATIONS AND PRICES OF VARIOUS SECURITIES AND COMMODITIES. JAMES E. VAN DYKE, New York, N. Y.
Filed November 20, 1926. Serial No. 240,376. PUBLISHED MARCH 15, 1927.

228,082. INVALIDS' TRICYCLES OR WHEEL CHAIRS. FANNY H. STOCKING, Washington, D. C.
Filed January 27, 1927. Serial No. 243,462. PUBLISHED MARCH 15, 1927.

228,083. CHEWING GUM. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed January 27, 1927. Serial No. 243,425. PUBLISHED MARCH 15, 1927.

228,084. PARACHUTES, PARACHUTE PACKS, AND PARACHUTE HARNESS. IRVING AIRCHUTE COMPANY, INC., Buffalo, N. Y.
Filed January 26, 1927. Serial No. 243,367. PUBLISHED MARCH 15, 1927.

228,085. PARACHUTES, PARACHUTE PACKS, AND PARACHUTE HARNESS. IRVING AIRCHUTE COMPANY, INC., Buffalo, N. Y.
Filed January 26, 1927. Serial No. 243,366. PUBLISHED MARCH 15, 1927.

228,086. PREPARATION FOR THE TREATMENT OF DIABETES. LEO B. BARLETT, Dormont, Pa.
Filed January 27, 1927. Serial No. 243,411. PUBLISHED MARCH 15, 1927.

228,087. PARACHUTES, PARACHUTE PACKS, AND PARACHUTE HARNESS. IRVING AIRCHUTE COMPANY, INC., Buffalo, N. Y.
Filed January 26, 1927. Serial No. 243,365. PUBLISHED MARCH 15, 1927.

228,088. SHEETS AND PILLOWCASES. HORROCKSES, CREWDSON & CO., LIMITED, Preston and Manchester, England.
Filed January 26, 1927. Serial No. 243,363. PUBLISHED MARCH 15, 1927.

228,089. TOWELING. BLODGETT, WARREN CO., Boston, Mass.
Filed January 25, 1927. Serial No. 243,304. PUBLISHED MARCH 15, 1927.

228,090. CANDIES AND SALTED NUTS. KATHERINE O'CONNELL, Denver, Colo.
Filed January 24, 1927. Serial No. 243,277. PUBLISHED MARCH 15, 1927.

228,091. LINIMENT FOR THE TREATMENT OF RHEUMATISM. FRANK FURIA, Joliet, Ill.
Filed January 24, 1927. Serial No. 243,263. PUBLISHED MARCH 15, 1927.

228,092. CLEANSING AND SCOURING PREPARATION IN JELLY, FLUID, PASTE, AND POWDER FORM. IRVING SILVERMAN, doing business as Palami Products Co., Brooklyn, N. Y.
Filed January 22, 1927. Serial No. 243,236. PUBLISHED MARCH 15, 1927.

228,093. CANDIES. LOFT, INC., New York, N. Y.
Filed January 22, 1927. Serial No. 243,224. PUBLISHED MARCH 15, 1927.

228,094. CARBON PAPER. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed January 28, 1927. Serial No. 243,470. PUBLISHED MARCH 15, 1927.

228,095. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS AND FILMS. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed January 28, 1927. Serial No. 243,471. PUBLISHED MARCH 15, 1927.

228,096. SHOE NAILS. CHARLES F. BAKER & CO. INC., Boston, Mass.
Filed January 28, 1927. Serial No. 243,473. PUBLISHED MARCH 15, 1927.

228,097. COTTON GOODS IN THE PIECE. D. H. GRANT & CO., New York, N. Y.
Filed January 28, 1927. Serial No. 243,489. PUBLISHED MARCH 15, 1927.

228,098. CARDBOARD BOXES. EDWIN J. SCHOETTLE COMPANY, Philadelphia, Pa.
Filed January 28, 1927. Serial No. 243,501. PUBLISHED MARCH 15, 1927.

228,099. PHARMACEUTICAL PREPARATION—NAMELY, A LAXATIVE. EX LAX MANUFACTURING CO., New York and Brooklyn, N. Y.
Filed January 25, 1927. Serial No. 243,308. PUBLISHED MARCH 15, 1927.

228,100. SILK PIECE GOODS. WEILL & CALLMAN, New York, N. Y.
Filed February 5, 1927. Serial No. 243,901. PUBLISHED MARCH 15, 1927.

228,101. METAL HEEL PLATES FOR BOOTS AND SHOES. LOUIS SACKS INC., doing business as Louis Sacks Iron Foundry, Newark, N. J.
Filed February 5, 1927. Serial No. 243,864. PUBLISHED MARCH 15, 1927.

228,102. FRESH PEARS, FRESH APPLES, FRESH PLUMS, FRESH CHERRIES, AND FRESH POTATOES. LOMA RICA RANCH, Grass Valley, Calif.
Filed February 5, 1927. Serial No. 243,863. PUBLISHED MARCH 15, 1927.

228,103. HORSE NAILS. THE CAPEWELL HORSE NAIL COMPANY, Hartford, Conn.
Filed February 2, 1927. Serial No. 243,688. PUBLISHED MARCH 15, 1927.

228,104. PINE DEODORIZER; DISINFECTANT, DEODORIZER, AND GERMICIDE; CHEMICAL WEED KILLER, CHEMICAL THEATER SPRAY, CHEMICAL OIL SPRAY, LIQUID MOTH DESTROYER AND PREVENTATIVE, CHEMICAL ROACH AND BEDBUG DESTROYER, CHEMICAL DRIP LIQUID ODOR DESTROYER, CHEMICAL COAL-TAR DISINFECTANT. THE C. B. DOLGE CO., Westport, Conn.
Filed December 31, 1926. Serial No. 242,228. PUBLISHED MARCH 15, 1927.

228,105. PERFUME IN CONCENTRATED OR SOLID FORM HAVING A HIGHER PERCENTAGE OF ESSENTIAL OILS THAN IS FOUND IN LIQUID PERFUME. RICHARD HUDNUT, New York, N. Y.
Filed January 4, 1927. Serial No. 242,339. PUBLISHED MARCH 15, 1927.

228,106. COAL. MEADOR AND YOUNG, Nashville, Tenn.
Filed January 4, 1927. Serial No. 242,345. PUBLISHED MARCH 8, 1927.

228,107. MATERIAL FOR RESURFACING AND PATCHING CONCRETE AND BRICK FLOORS AND THE LIKE. THE ARGUS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 5, 1927. Serial No. 242,361. PUBLISHED MARCH 8, 1927.

228,108. COAL-TAR DYES, DISINFECTANTS, PRESERVATIVES FOR FOOD, PHOTOGRAPHIC DEVELOPERS, AND CHEMICALS USED IN PRINTING, DYEING, AND FINISHING. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed January 5, 1927. Serial No. 242,370. PUBLISHED MARCH 15, 1927.

228,109. CHEMICALS AND CHEMICAL PREPARATIONS FOR CLEANING THE OUTLET PIPES OF SINKS, BATHTUBS, AND WASHBOWLS. VIKING LABORATORIES, INCORPORATED, Charleston, W. Va.
Filed January 6, 1927. Serial No. 242,455. PUBLISHED MARCH 15, 1927.

228,110. GINGER ALE AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. BOTTLERS SUPPLY COMPANY, Milwaukee, Wis.
Filed January 7, 1927. Serial No. 242,471. PUBLISHED MARCH 15, 1927.

228,111. SOLVENT CLEANSER, WATER SOFTENER, AND BOILER COMPOUND. HELPA PRODUCTS CORPORATION, Hoboken, N. J.
Filed January 7, 1927. Serial No. 242,480. PUBLISHED MARCH 15, 1927.

228,112. HAIR-COLOR RESTORER. THE ODELL COMPANY, INC., Newark, N. J.
Filed January 7, 1927. Serial No. 242,494. PUBLISHED MARCH 15, 1927.

228,113. SWIMMING FLOATS FOR BATHERS. WILLIAM J. HAYNES, Kansas City, Mo.
Filed January 10, 1927. Serial No. 242,587. PUBLISHED MARCH 15, 1927.

228,114. TOY FIGURES MADE OF WOOD. PERKINS & WILLMOTT, INC., Upton, Mass.
Filed January 10, 1927. Serial No. 242,611. PUBLISHED MARCH 15, 1927.

228,115. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. YANKEE DRY CORPORATION, Brooklyn, N. Y.
Filed January 10, 1927. Serial No. 242,647. PUBLISHED MARCH 15, 1927.

228,116. PREPARATION FOR PREVENTING AND DESTROYING CORROSION ON THE TERMINALS OF STORAGE BATTERIES IN THE FORM OF A LIQUID. CRO-ZO MANUFACTURING CO., Los Angeles, Calif.
Filed January 12, 1927. Serial No. 242,710. PUBLISHED MARCH 15, 1927.

228,117. TOILET LOTIONS; FACE, TALCUM, AND SACHET POWDERS; FACE CREAMS, TOILET WATERS, SACHETS, ROUGES, EYEBROW PENCILS, FACE ROUGE AND LIP ROUGE, PERFUMES, DEPILATORIES, AROMATIC VINAIGRES, AND LIQUID FACE POWDERS. GUY T. GIBSON, INCORPORATED, New York, N. Y.
Filed January 12, 1927. Serial No. 242,719. PUBLISHED MARCH 15, 1927.

228,118. OUTDOOR OR INDOOR GAME PLAYED WITH TENPINS, BALLS, AND A CLUB. GEORGE B. ALLEN, doing business as American Pingolf Company, Atlanta, Ga.
Filed January 13, 1927. Serial No. 242,767. PUBLISHED MARCH 15, 1927.

228,119. NONALCOHOLIC, MALTLESS SIRUP FOR MAKING SOFT DRINKS. ERNEST W. PAYNE, Racine, Wis.
Filed January 13, 1927. Serial No. 242,794. PUBLISHED MARCH 15, 1927.

228,120. TOOTHBRUSHES. A. R. MUNN, INC., Atlanta, Ga.
Filed January 14, 1927. Serial No. 242,842. PUBLISHED MARCH 15, 1927.

228,121. SLEDS. CHARLES C. COUSINS, Jr., Brooklin, Me.
Filed January 15, 1927. Serial No. 242,880. PUBLISHED MARCH 15, 1927.

228,122. COUGH MEDICINE. LA FRANCE LABORATORIES, INC., New York, N. Y.
Filed January 15, 1927. Serial No. 242,898. PUBLISHED MARCH 15, 1927.

228,123. HAIR TONIC. TRIPOLI BARBER'S SUPPLY CO. INC., Philadelphia, Pa.
Filed January 15, 1927. Serial No. 242,928. PUBLISHED MARCH 15, 1927.

228,124. OINTMENT FOR POISON IVY, INFECTION FROM OAK AND OTHER POISONOUS PLANTS, MOSQUITO STINGS, INSECT BITES, ITCHING PILES, BURNS, INFLAMMATION, AND ALL SKIN INFECTIONS. WILLIAM H. FREDERICK, doing business as Colwell Mfg. Co., St. Paul, Minn.
Filed January 19, 1927. Serial No. 243,047. PUBLISHED MARCH 15, 1927.

228,125. DIURETIC STIMULANT WITH VITAMINES. MANUEL S. VALLDEJULI, doing business as The Picot Company and The Picot Co., Buffalo, N. Y.
Filed November 22, 1926. Serial No. 240,461. PUBLISHED MARCH 15, 1927.

228,126. CONVEYERS FOR CEMENT CLINKER AND THE LIKE. F. L. SMIDTH & CO., New York, N. Y.
Filed December 22, 1926. Serial No. 241,845. PUBLISHED MARCH 15, 1927.

228,127. PAPER TOWELS. CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y.
Filed December 23, 1926. Serial No. 241,874. PUBLISHED MARCH 15, 1927.

228,128. CERTAIN NAMED CLOTHING FOR MEN, WOMEN, AND CHILDREN. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed December 23, 1926. Serial No. 241,889. PUBLISHED MARCH 15, 1927.

228,129. OVERSHOES. WILLIAM B. WEEFORD, Detroit, Mich.
Filed December 23, 1926. Serial No. 241,916. PUBLISHED MARCH 15, 1927.

228,130. UNION SUITS OF UNDERWEAR OF WOVEN TEXTILE FABRIC FOR MEN AND BOYS. COOPER UNDERWEAR COMPANY, Kenosha, Wis.
Filed December 24, 1926. Serial No. 241,929. PUBLISHED MARCH 15, 1927.

228,131. CHECK-PRINTING MACHINES. RITBALL CHECKWRITER CORPORATION, New York, N. Y.
Filed December 24, 1926. Serial No. 241,959. PUBLISHED MARCH 15, 1927.

228,132. FABRIC GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed December 27, 1926. Serial No. 241,980. PUBLISHED MARCH 8, 1927.

228,133. FABRIC GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed December 27, 1926. Serial No. 241,981. PUBLISHED MARCH 8, 1927.

228,134. CLEANING FLUID FOR CLOSET BOWLS AND URINALS. GREAT NORTHERN CHEMICAL COMPANY, San Francisco, Calif.
Filed December 27, 1926. Serial No. 242,000. PUBLISHED MARCH 15, 1927.

228,135. UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, KNITTED AND TEXTILE. MORRIS AND COMPANY, INCORPORATED, Baltimore, Md.
Filed December 27, 1926. Serial No. 242,019. PUBLISHED MARCH 15, 1927.

228,136. BATHING SUITS FOR CHILDREN, MISSES, WOMEN; BATHING SHOES, BATHING CAPS, BATHING TIGHTS, AND BATHING SCARFS AND CAPES. THE ASBURY MILLS, New York, N. Y.
Filed December 28, 1926. Serial No. 242,038. PUBLISHED MARCH 15, 1927.

228,137. BOILER AND METAL TREATMENT AGAINST CORROSION, PITTING, FORMATION, AND ADHERING OF SCALE. FERROXANTI WORLD SYNDICATE INC., New York, N. Y.
Filed December 28, 1926. Serial No. 242,074. PUBLISHED MARCH 15, 1927.

228,138. COMPRESSION BIBS OR FAUCETS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,183. PUBLISHED MARCH 15, 1927.

228,139. COMPRESSION BIBS OR FAUCETS, COMPRESSION STOPCOCKS, COMPRESSION STOP AND WASTE COCKS, GROUND KEY PLUG STOPCOCKS, GROUND KEY PLUG STOP AND WASTE COCKS, SHUT-OFF WASTE TUBES, AND BATH COCKS OR FAUCETS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,185. PUBLISHED MARCH 15, 1927.

228,140. COMPRESSION BIBS, COMPRESSION FAUCETS, GROUND KEY PLUG COCKS, SERVICE BOXES, GATE-VALVE ATTACHMENTS, SERVICE-BOX KEYS, AND EXTENSION SERVICE-BOX PARTS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,186. PUBLISHED MARCH 15. 1927.

228,141. COMPRESSION SINK FIXTURES OR FAUCETS, COMPRESSION BASIN COCKS OR FAUCETS, COMPRESSION BATH COCKS OR FAUCETS, AND COMPRESSION LAUNDRY-TRAY FIXTURES OR FAUCETS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,187. PUBLISHED MARCH 15. 1927.

228,142. COMPRESSION BASIN COCKS OR FAUCETS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,188. PUBLISHED MARCH 15. 1927.

228,143. COMPRESSION BASIN COCKS AND FAUCETS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,189. PUBLISHED MARCH 15, 1927.

228,144. COMPRESSION STOP AND WASTE COCKS AND COMPRESSION STOPCOCKS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,190. PUBLISHED MARCH 15, 1927.

228,145. COMPRESSION STOP AND WASTE COCKS. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,191. PUBLISHED MARCH 15, 1927.

228,146. PASSENGER-CARRYING AUTOMOBILES. THE WILLYS-OVERLAND COMPANY, Toledo, Ohio.
Filed February 4, 1927. Serial No. 243,836. PUBLISHED MARCH 15, 1927.

228,147. CEREAL BREAKFAST FOOD COMPOSED PRINCIPALLY OF BRAN. KELLOGG COMPANY, Battle Creek, Mich.
Filed December 13, 1924. Serial No. 206,671. PUBLISHED MARCH 15, 1927.

228,148. CANDY. THE MAX GLICK COMPANY, Cleveland, Ohio.
Filed December 27, 1924. Serial No. 207,298. PUBLISHED SEPTEMBER 1, 1925.

228,149. COTTON VOILES IN THE PIECE. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed February 2, 1925. Serial No. 208,964. PUBLISHED AUGUST 24, 1926.

228,150. PORTLAND CEMENT AND ARTIFICIAL PORTLAND CEMENT. DODWELL & COMPANY, LTD., New York, N. Y.
Filed May 9, 1925. Serial No. 214,063. PUBLISHED MARCH 8, 1927.

228,151. GARTERS. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed June 10, 1925. Serial No. 215,584. PUBLISHED JULY 28, 1925.

228,152. BREAD. S. A. HARAM & CO. INC., New York, N. Y., assignor to Olaf Hertzwig Trading Co. Inc., New York, N. Y., a Corporation of New York.
Filed July 23, 1925. Serial No. 217,771. PUBLISHED JUNE 1, 1926.

228,153. DRY PASTE. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 28, 1925. Serial No. 217,987. PUBLISHED AUGUST 31, 1926.

228,154. DRY PASTE. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed July 28, 1925. Serial No. 217,988. PUBLISHED AUGUST 31, 1926.

228,155. PORTLAND CEMENT. MICHIGAN ALKALI COMPANY, Wyandotte, Mich.
Filed October 8, 1925. Serial No. 221,428. PUBLISHED MARCH 8, 1927.

228,156. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. CHEMISCHE FABRIK AUF ACTIEN (VORM. E. SCHERING), Berlin, Germany.
Filed March 9, 1926. Serial No. 228,356. PUBLISHED MARCH 15, 1927.

228,157. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. CHEMISCHE FABRIK AUF ACTIEN (VORM. E. SCHERING), Berlin, Germany.

228,158. LAMP SHADES MADE OF SILK. HARRY ROGOVIN, doing business as Unique Silk Lamp Shade Co., New York, N. Y.
Filed April 24, 1926. Serial No. 230,684. PUBLISHED MARCH 8, 1927.

228,159. INSECTICIDES AND FUNGICIDES—NAMELY, LIME-SULPHUR SOLUTION, LEAD ARSENATE, CALCIUM ARSENATE, OIL EMULSION, SULPHUR-LIME DUST MIXTURES, BORDEAUX MIXTURE, AND CATTLE DIP. THE J. W. WOOLFOLK COMPANY, INC., Fort Valley, Ga.
Filed May 10, 1926. Serial No. 231,424. PUBLISHED MARCH 15, 1927.

228,160. MEDICAL TABLETS FOR BILIOUSNESS, CONSTIPATION, DYSPEPSIA, HEARTBURN, LIVER TROUBLE, OFFENSIVE BREATH, STOMACH DISORDERS, TORPID LIVER, VERTIGO, OR DIZZINESS. ARTHUR D. ROSS, Boston, Mass.
Filed June 3, 1926. Serial No. 232,697. PUBLISHED MARCH 15, 1927.

228,161. WOMEN'S AND CHILDREN'S UNDERGARMENTS, COMPRISING NIGHTGOWNS, ENVELOPE CHEMISES, STRAIGHT CHEMISES, PETTICOATS, BLOOMERS, BANDEUX, STEP-INS, DRAWERS, AND PYJAMAS OF KNITTED AND WOOLEN FABRICS. WOLFSHEAD, INCORPORATED, New York, N. Y.
Filed June 10, 1926. Serial No. 233,048. PUBLISHED JULY 20, 1926.

228,162. COAT AND HAT HOOKS, SIEVES, STRAINERS, SHAKE SIFTERS, FRY BASKETS, SOAP SAVERS, AND DUSTPANS. THE WASHBURN COMPANY, Worcester, Mass.
Filed June 30, 1926. Serial No. 233,960. PUBLISHED FEBRUARY 1, 1927.

228,163. INSECT EXTERMINATOR, TO EXTERMINATE FLIES, ANTS, BUGS, BEDBUGS, ROACHES, MOTHS, AND OTHER HOUSEHOLD PESTS. MICHAEL E. DOWNEY, Chicago, Ill.
Filed July 6, 1926. Serial No. 234,199. PUBLISHED MARCH 15, 1927.

228,164. WOOD PRESERVATIVE IN THE NATURE OF A CHEMICAL. ARTHUR J. GRAM, Winnetka, Ill.
Filed July 12, 1926. Serial No. 234,437. PUBLISHED MARCH 15, 1927.

228,165. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed August 23, 1926. Serial No. 236,348. PUBLISHED FEBRUARY 15, 1927.

228,166. BOILER LIQUID CONCENTRATE COMPRISING A COMPOUND FOR REPAIRING LEAKS IN HOT-WATER AND STEAM BOILERS. B. T. BABBITT INC., New York, N. Y.
Filed August 24, 1926. Serial No. 236,359. PUBLISHED MARCH 15, 1927.

228,167. LIQUID INHALANT. BERTRAND M. PINKHAM, Scituate, Mass.
Filed August 25, 1926. Serial No. 236,436. PUBLISHED MARCH 15, 1927.

228,168. GAS WATER HEATERS. DETROIT RANGE BOILER & STEEL BARREL COMPANY, Detroit, Mich.
Filed December 1, 1926. Serial No. 240,809. PUBLISHED MARCH 15, 1927.

228,169. MEN'S LUMBERJACK SHIRTS AND TROUSERS, WORK SHIRTS AND TROUSERS. D. M. OBERMAN MFG. CO., Jefferson City, Mo., and New York, N. Y.
Filed December 3, 1926. Serial No. 240,922. PUBLISHED MARCH 15, 1927.

228,170. HOSIERY. KNOX HOSIERY MILLS, Cleveland, Tenn.
Filed December 4, 1926. Serial No. 240,982. PUBLISHED MARCH 15, 1927.

228,171. STENCIL PAPER. LION TYPEWRITER SUPPLIES, COMPANY LIMITED, London, England.
Filed December 4, 1926. Serial No. 240,986. PUBLISHED MARCH 15, 1927.

228,172. BEACH ROBES, BATH GOWNS, AND BATH ROBES. JOSHUA HOYLE & SONS, LTD. INC., New York, N. Y.
Filed December 7, 1926. Serial No. 241,103. PUBLISHED MARCH 15, 1927.

228,173. BEACH ROBES, BATH GOWNS, AND BATH ROBES. JOSHUA HOYLE & SONS, LTD. INC., New York, N. Y.
Filed December 7, 1926. Serial No. 241,105. PUBLISHED MARCH 15, 1927.

228,174. CLEANSING AND WASHING COMPOUND. NOBLE A. ALEXANDER, Denver, Colo.
Filed December 9, 1926. Serial No. 241,196. PUBLISHED MARCH 15, 1927.

228,175. SWIMMING SUITS, AND WOOLEN GARMENTS—NAMELY, WOOLEN JACKETS; KNITTED WEAR—NAMELY, SCARFS, COATS, SWEATERS, AND MITTENS FOR MEN, WOMEN, AND CHILDREN. COLUMBIA KNITTING MILLS, Portland, Oreg.
Filed December 13, 1926. Serial No. 241,395. PUBLISHED MARCH 8, 1927.

228,176. SWIMMING SUITS, AND WOOLEN GARMENTS—NAMELY, WOOLEN JACKETS; KNITTED WEAR—NAMELY, SCARFS, COATS, SWEATERS, AND MITTENS FOR MEN, WOMEN, AND CHILDREN. COLUMBIA KNITTING MILLS, Portland, Oreg.
Filed December 13, 1926. Serial No. 241,396. PUBLISHED MARCH 8, 1927.

228,177. OVERALLS AND WORK SHIRTS. NEELY, HARWELL & CO., Nashville, Tenn.
Filed December 13, 1926. Serial No. 241,429. PUBLISHED MARCH 15, 1927.

228,178. LADIES' AND CHILDREN'S FROCKS AND DRESSES. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed December 13, 1926. Serial No. 241,440. PUBLISHED MARCH 8, 1927.

228,179. CANDY PACKED IN BOXES WRAPPED IN PAPER OR OTHER SUITABLE CONTAINERS. H. W. MCDERMOTT, doing business as H. W. McDermott & Co., Seattle, Wash.
Filed December 14, 1926. Serial No. 241,489. PUBLISHED MARCH 15, 1927.

228,180. PUBLICATIONS WHICH INCLUDE ALL MAGAZINES PUBLISHED MONTHLY FROM OCTOBER TO MAY, INCLUSIVE. CHILD STUDY ASSOCIATION OF AMERICA, INC., New York, N. Y.
Filed December 15, 1926. Serial No. 241,519. PUBLISHED MARCH 15, 1927.

228,181. CHILDREN'S STOCKINGS. THE SIMONS & STRUVE HOSIERY COMPANY, Philadelphia, Pa.
Filed December 16, 1926. Serial No. 241,586. PUBLISHED MARCH 15, 1927.

228,182. WOMEN'S, MEN'S, AND CHILDREN'S SWEATERS. JOSEPH B. HABER, INC., Philadelphia, Pa.
Filed December 17, 1926. Serial No. 241,617. PUBLISHED MARCH 8, 1927.

228,183. HATS, CAPS, KNICKERS, SCARFS, SCARF COATS, AND SKATING COATS FOR MEN, YOUTHS, AND BOYS. CHARLES S. MERTON & CO., East Rutherford, N. J., and New York, N. Y.
Filed December 18, 1926. Serial No. 241,666. PUBLISHED MARCH 8, 1927.

228,184. HATS, CAPS, KNICKERS, SCARFS, SCARF COATS, AND SKATING COATS FOR MEN, YOUTHS, AND BOYS. CHARLES S. MERTON & CO., East Rutherford, N. J., and New York, N. Y.
Filed December 18, 1926. Serial No. 241,667. PUBLISHED MARCH 8, 1927.

228,185. MEAT PRODUCTS, AS FOLLOWS: HAMS, SHOULDERS, BELLIES, FATBACKS, LARD, AND SAUSAGES. BRENNAN PACKING CO., Chicago, Ill.
Filed December 20, 1926. Serial No. 241,691. PUBLISHED MARCH 15, 1927.

228,186. CLEANING AND SCOURING COMPOUND IN FINELY-DIVIDED FORM FOR HOUSEHOLD USE. FITZPATRICK BROS., Chicago, Ill.
Filed December 20, 1926. Serial No. 241,711. PUBLISHED MARCH 15, 1927.

228,187. HOSIERY. TWINKIES SPECIALTY COMPANY, St. Louis, Mo.
Filed December 20, 1926. Serial No. 241,752. PUBLISHED MARCH 15, 1927.

228,188. RAW POP CORN. WOODS J. BATSON, doing business as Spencer Popcorn Company, Spencer, Iowa.
Filed December 4, 1925. Serial No. 224,226. PUBLISHED MARCH 15, 1927.

228,189. CANDY AND SALTED NUTS. RING-TING CANDY SHOP, Evanston, Ill.
Filed January 6, 1926. Serial No. 225,577. PUBLISHED MARCH 15, 1927.

228,190. PRIE DIEUS. HOLLAND BRASS WORKS, INC., Chicago, Ill.
Filed January 14, 1926. Serial No. 225,922. PUBLISHED MARCH 15, 1927.

228,191. CEMENT AND PORTLAND CEMENT. ONODA CEMENT CO. LTD., Yamaguchi-Ken, Japan.
Filed January 27, 1926. Serial No. 226,504. PUBLISHED NOVEMBER 9, 1926.

228,192. COTTON BLANKETS. BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I.
Filed February 1, 1926. Serial No. 226,708. PUBLISHED MARCH 15, 1927.

228,193. SHOES MADE WHOLLY OR PARTLY OF RUBBER AND FABRIC. CAMBRIDGE RUBBER COMPANY, Cambridge, Mass.
Filed February 6, 1926. Serial No. 226,942. PUBLISHED MARCH 8, 1927.

228,194. CYLINDER GRINDERS AND DEVICES FOR GRINDING CYLINDRICAL APERTURES, AND PARTS THEREOF. HUTTO ENGINEERING CO., Detroit, Mich.
Filed February 12, 1926. Serial No. 227,233. PUBLISHED MARCH 15, 1927.

228,195. LUMBER, DRESSED AND ROUGH. KOLAMBUGAN LUMBER & DEVELOPMENT CO., Manila, P. I.
Filed February 15, 1926. Serial No. 227,311. PUBLISHED APRIL 27, 1926.

228,196. MACHINES FOR ELECTRICALLY RECORDING SOUND ON METAL AND ELECTRICALLY REPRODUCING SUCH SOUND. RECORD-O-PHONE COMPANY, INC., doing business as Record-O-Phone Sales and Exporting Co., Washington, D. C.
Filed February 20, 1926. Serial No. 227,604. PUBLISHED FEBRUARY 15, 1927.

228,197. MUSIC IN SHEET AND BOOK FORM. BEE JAY PRODUCTS CO. INC., Long Island City, N. Y.
Filed March 18, 1926. Serial No. 228,795. PUBLISHED MARCH 15, 1927.

228,198. CANNED VEGETABLES—NAMELY, MIXED VEGETABLES, PEAS, CARROTS, BEETS, AND SAUERKRAUT. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis.
Filed March 20, 1926. Serial No. 228,916. PUBLISHED MARCH 15, 1927.

228,199. WOMEN'S COATS, SUITS, DRESSES, SWEATERS, KNICKERS, HOSIERY, BATHING SUITS, SCARFS, TIES, RAINCOATS. MENDELSON SPORTSWEAR, INC., New York, N. Y.
Filed August 3, 1926. Serial No. 235,519. PUBLISHED MARCH 15, 1927.

228,200. COCOA POWDER AND COCOA PRODUCTS—NAMELY, CHOCOLATE AND SIRUP OF CHOCOLATE. KAKAO-KOMPAGNIE THEODOR REICHARDT, G. M. B. H., Wandsbek-Hamburg, Germany.
Filed August 6, 1926. Serial No. 235,649. PUBLISHED MARCH 15, 1927.

228,201. VALVE LEATHERS, LEATHER VALVE WASHERS, AND LEATHER VALVE DISKS OF THE WASHER TYPE FOR PACKING PURPOSES. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed April 2, 1926. Serial No. 229,586. PUBLISHED MARCH 15, 1927.

228,202. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, SLIPPERS, MADE OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. THOMAS G. PLANT COMPANY, Boston, Mass.
Filed April 17, 1926. Serial No. 230,354. PUBLISHED MARCH 8, 1927.

228,203. DEVICES FOR CONTROLLING THE SUPPLY OF IGNITIBLE HYDROCARBON MIXTURES TO INTERNAL-COMBUSTION ENGINES. HOPEWELL BROTHERS, Watertown, Mass.
Filed April 29, 1926. Serial No. 230,887. PUBLISHED MARCH 15, 1927.

228,204. FERTILIZER. SWIFT AND COMPANY, Chicago, Ill.
Filed May 5, 1926. Serial No. 231,170. PUBLISHED MARCH 15, 1927.

228,205. TEA, COFFEE, AND SPICES. SAMUEL ALPERT, doing business as United Tea Stores, Chicago, Ill.
Filed June 11, 1926. Serial No. 233,051. PUBLISHED MARCH 15, 1927.

228,206. LIVE CHICKS. HORACE L. CAMPBELL, Petersburg, Ill.
Filed June 12, 1926. Serial No. 233,102. PUBLISHED MARCH 15, 1927.

228,207. COTTON SHEETINGS. COLUMBUS MANUFACTURING COMPANY, Columbus, Ga.
Filed June 12, 1926. Serial No. 233,109. PUBLISHED MARCH 15, 1927.

228,208. BOYS' AND GIRLS' LEATHER AND FABRIC SHOES AND BOYS' AND GIRLS' HOSIERY. HESS BROTHERS, Allentown, Pa.
Filed June 14, 1926. Serial No. 233,188. PUBLISHED MARCH 8, 1927.

228,209. FRESH VEGETABLES—NAMELY, TOMATOES. ISAAC GILBERT ADAMSON, doing business as I. G. Adamson Company, San Benito, Tex.
Filed June 21, 1926. Serial No. 233,518. PUBLISHED MARCH 15, 1927.

228,210. FRESH VEGETABLES—NAMELY, BEANS, TOMATOES, SQUASH, CUCUMBERS, AND POTATOES. WILLIAM E. MCDAVITT, doing business as McDavitt Brothers, Brownsville, Tex.
Filed July 6, 1926. Serial No. 234,220. PUBLISHED MARCH 15, 1927.

228,211. SOLE-LEATHER PRODUCTS—NAMELY, CUT SOLES, HEELS, AND TAPS. ALPENA LEATHER CORPORATION, Buffalo, N. Y., and Alpena, Mich.
Filed July 8, 1926. Serial No. 234,288. PUBLISHED MARCH 8, 1927.

228,212. RENNET PREPARATIONS OF EVERY KIND—THAT IS, POWDER, EXTRACT, AND TABLETS; CHEESE COLOR, BUTTER COLOR, AND OLEOMARGARINE COLOR. BYK-GULDENWERKE CHEMISCHE FABRIK, Berlin, Germany.
Filed July 15, 1926. Serial No. 234,558. PUBLISHED MARCH 15, 1927.

228,213. PECTIN. DOUGLAS PECTIN CORPORATION, Rochester, N. Y.
Filed July 20, 1926. Serial No. 234,773. PUBLISHED MARCH 15, 1927.

228,214. SOAPS. F. PROCHÁZKA LTD., Prague, Czechoslovakia.
Filed July 24, 1926. Serial No. 235,069. PUBLISHED MARCH 15, 1927.

228,215. CANDY. JONES & HENSLEY, Los Angeles, Calif.
Filed July 26, 1926. Serial No. 235,142. PUBLISHED MARCH 15, 1927.

228,216. REFRIGERATORS AND REFRIGERATOR PARTS. LEONARD REFRIGERATOR COMPANY, Grand Rapids, Mich., assignor to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan.
Filed July 26, 1926. Serial No. 235,152. PUBLISHED MARCH 15, 1927.

228,217. SEWING MACHINES. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio.
Filed July 27, 1926. Serial No. 235,241. PUBLISHED MARCH 15, 1927.

228,218. DRESS SHIRTS, WORK SHIRTS, PANTS, OVERALLS, SHEEP-LINED COATS, DUCK COATS, LEATHER COATS, LEATHER VESTS, AND OVERCOATS MADE OF COTTON AND WOOL CLOTH. RICHARDSON DRY GOODS CO., St. Joseph, Mo.
Filed July 27, 1926. Serial No. 235,232. PUBLISHED MARCH 15, 1927.

228,219. VACUUM GEAR-SHIFTING DEVICE. PLANATOR GEAR SHIFT COMPANY, Los Angeles, Calif.
Filed July 29, 1926. Serial No. 235,316. PUBLISHED MARCH 15, 1927.

228,220. MOTOR CARS. SOCIETÀ ANONIMA ITALIANA ING. NICOLA ROMEO & C., Milan, Italy.
Filed July 31, 1926. Serial No. 235,434. PUBLISHED MARCH 15, 1927.

228,221. MEN'S STRAW HATS. KUNTZ-SIMONS, INC., New York, N. Y.
Filed August 10, 1926. Serial No. 235,781. PUBLISHED MARCH 15, 1927.

228,222. GENERAL HOUSEHOLD CLEANING PREPARATIONS, DRY CLEANERS, BLACKBOARD CLEANERS, SWEEPING COMPOUNDS, METAL POLISH, AND TOILET, LAUNDRY, AND AUTOMOBILE SOAPS IN LIQUID, PASTE, JELLY, CAKE, CRYSTAL, AND POWDER FORM. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed September 1, 1926. Serial No. 236,765. PUBLISHED MARCH 15, 1927.

228,223. PREPARATION FOR REPELLING MOSQUITOES AND FOR RELIEVING IRRITATION FROM INSECT BITES. GANE & INGRAM, INC., New York, N. Y.
Filed August 14, 1926. Serial No. 235,948. PUBLISHED MARCH 8, 1927.

228,224. WRAPPING PAPER, MARKING AND PATTERN PAPER, AND TISSUE PAPER. RELIANCE PAPER & TWINE MILLS, New York, N. Y.
Filed September 3, 1926. Serial No. 236,852. PUBLISHED MARCH 15, 1927.

228,225. MATTRESSES. STANDARD MATTRESS AND FURNITURE, INC., San Diego, Calif.
Filed February 1, 1927. Serial No. 243,669. PUBLISHED MARCH 15, 1927.

228,226. POWER FEED FACING PLANERS, HAND JOINTERS, SHAPERS, SINGLE-SURFACE PLANERS, CUT-OFF SAWS, ROUTERS, HAND TURNING LATHES, AND PORTABLE BAND SAWS. THE C. O. PORTER MACHINERY COMPANY, Grand Rapids, Mich.
Filed February 1, 1927. Serial No. 243,665. PUBLISHED MARCH 15, 1927.

228,227. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL AND TOOL COMPANY, Boston, Mass.
Filed February 1, 1927. Serial No. 243,637. PUBLISHED MARCH 15, 1927.

228,228. EXTERMINATOR FOR RATS. THE RAT BISCUIT COMPANY, doing business as K-R-O Company, Springfield, Ohio.
Filed January 31, 1927. Serial No. 243,624. PUBLISHED MARCH 15, 1927.

228,229. PERFUME IN CONCENTRATED OR SOLID FORM HAVING A HIGHER PERCENTAGE OF ESSENTIAL OILS THAN IS FOUND IN LIQUID PERFUME. RICHARD HUDNUT, New York, N. Y.
Filed January 4, 1927. Serial No. 242,338. PUBLISHED MARCH 15, 1927.

228,230. TOOTH PASTE, MOUTH WASH, TOOTH POWDER, AND DENTAL MASSAGE PASTE. THE DUBOREL CORPORATION, Jersey City, N. J.
Filed January 22, 1927. Serial No. 243,202. PUBLISHED MARCH 15, 1927.

228,231. ROACH INSECTICIDE OR POWDER. ISADORE SILVERMAN, doing business as Pro-Tex-All Sanitary Products Co., Evansville, Ind.
Filed January 24, 1927. Serial No. 243,289. PUBLISHED MARCH 15, 1927.

228,232. HEALING SALVE. ROSS L. SKILES, McClure, Ill.
Filed January 24, 1927. Serial No. 243,290. PUBLISHED MARCH 15, 1927.

228,233. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND COMPOUNDS FOR MAKING THE SAME. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed January 27, 1927. Serial No. 243,422. PUBLISHED MARCH 15, 1927.

228,234. RUBBER TEA APRONS, RUBBERIZED CRETONNE APRONS, HOUSEHOLD APRONS, BABY PANTS, CHILDREN'S APRONS AND BIBS, NET BOB CAPS, WOMEN'S UNDERGARMENTS—NAMELY, COMBINATION BRASSIÈRE AND STEP-INS OF KNITTED AND TEXTILE FABRICS. THE C. E. CONOVER CO., New York, N. Y.
Filed October 7, 1926. Serial No. 238,251. PUBLISHED FEBRUARY 15, 1927.

228,235. VETERINARY REMEDIES — NAMELY, A LINIMENT AND BODY WASH, COUGH MIXTURE, PHYSIC BALLS, WOUND LOTION, ELECTUARY, RED BLISTER, RED IODIDE OF MERCURY OINTMENT, FLY BLISTER (COMPOUND SPANISH FLY OINTMENT), LIQUID BLISTER, PREPARATION USED AS A COUNTERIRRITANT AND VESICANT, SURGICAL DRESSING (ANTISEPTIC OINTMENT FOR TREATING WOUNDS AND INFECTED SURFACES OF THE SKIN), COLIC DRINK CONDITION POWDER, SHAMPOO, COAT AND WHISKER GROWER; PREPARATION FOR TREATMENT OF ECZEMA, RED MANGE, AND ITCHING; WORM CAPSULES. CHARLES BAUER, doing business as Vet Products Laboratory, Westbury, N. Y.
Filed November 10, 1926. Serial No. 239,875. PUBLISHED MARCH 15, 1927.

228,236. FACE CREAMS, SKIN CREAMS, FACE POWDERS, SKIN LOTIONS, ROUGES, LIP STICKS, PERFUMES, TOILET WATERS, BATH SALTS, TALCUM POWDERS, POMADES, BRILLIANTINES, AND DEODORANTS. GOLDEN MERMAID PRODUCTS CO., Atlantic City, N. J.
Filed November 15, 1926. Serial No. 240,074. PUBLISHED MARCH 15, 1927.

228,237. DENATURED ALCOHOL, SOLVENTS, ESTERS, ETHERS, FUSEL OIL, ACETATES, PROPIONATES, STEARATES, PHTHALATES, IODIDES, TINCTURE OF IODINE, CARBON DIOXIDE, COLLODION, COTTON OR NITROCELLULOSE SOLUTIONS, AND MAGNESIA COMPOUNDS. AMERICAN SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed November 26, 1926. Serial No. 240,579. PUBLISHED MARCH 15, 1927.

228,238. TOILET PREPARATIONS AND COSMETICS—NAMELY, CLEANSING CREAM, BRILLIANTINE, BODY POWDER, TALCUM POWDER, MASSAGE CREAM, SHAMPOO, NAIL POLISH, AND NAIL AND SKIN BLEACH. CARL F. RUNCKEL, doing business as Runckel Laboratories, La Crosse, Wis.
Filed December 21, 1926. Serial No. 241,791. PUBLISHED MARCH 1, 1927.

228,239. MEN'S NEGLIGEE SHIRTS. JOEL ISAACS SHIRT COMPANY, INC., New York, N. Y.
Filed September 18, 1926. Serial No. 237,416. PUBLISHED JANUARY 25, 1927.

228,240. TOILET PAPER. JACKSON C. E. GLASS, doing business as Glass Sales Agency, Oakland, Calif.
Filed October 27, 1926. Serial No. 239,301. PUBLISHED DECEMBER 21, 1926.

228,241. PORTLAND CEMENT. NORTH AMERICAN CEMENT CORPORATION, Albany, N. Y.
Filed November 2, 1926. Serial No. 239,590. PUBLISHED MARCH 8, 1927.

228,242. PORTLAND CEMENT. NORTH AMERICAN CEMENT CORPORATION, Albany, N. Y.
Filed November 2, 1926. Serial No. 239,591. PUBLISHED MARCH 8, 1927.

228,243. PREPARATION FOR THE COMPLEXION. PAUL E. POIRIER, doing business as Julienne de Lea-mont, Detroit, Mich.
Filed November 3, 1926. Serial No. 239,625. PUBLISHED MARCH 15, 1927.

228,244. MEDICINAL TONIC AND LIVER INVIGORATOR, RECOMMENDED FOR TREATMENT OF CHILLS AND FEVER. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed November 26, 1926. Serial No. 240,635. PUBLISHED MARCH 15, 1927.

228,245. STARCH FOR LAUNDRY AND MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed November 29, 1926. Serial No. 240,700. PUBLISHED MARCH 15, 1927.

228,246. TOY FURNITURE. H & P COMPANY, Carlisle, Pa.
Filed November 30, 1926. Serial No. 240,783. PUBLISHED MARCH 15, 1927.

228,247. DISINFECTANT. C. C. WINCHESTER, doing business as The Sani-Vapor Co., Atlanta, Ga.
Filed December 10, 1926. Serial No. 241,309. PUBLISHED MARCH 15, 1927.

228,248. CRUSHED AND GROUND AND PULVERIZED STONE. A. H. LLOYD, doing business as The Alberoyd Company, Esmont, Va.
Filed December 13, 1926. Serial No. 241,419. PUBLISHED MARCH 8, 1927.

228,249. SOAPLESS SHAMPOO PREPARATION. RAYOL COMPANY, Chicago, Ill.
Filed December 20, 1926. Serial No. 241,745. PUBLISHED MARCH 15, 1927.

228,250. COAL. W. G. BLOCK COMPANY, Davenport, Iowa.
Filed December 23, 1926. Serial No. 241,860. PUBLISHED MARCH 8, 1927.

228,251. DYESTUFFS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany.
Filed December 18, 1926. Serial No. 241,660. PUBLISHED MARCH 15, 1927.

228,252. COAL. W. G. BLOCK COMPANY, Davenport, Iowa.
Filed December 23, 1926. Serial No. 241,862. PUBLISHED MARCH 8, 1927.

228,253. COAL. MOLINE CONSUMERS COMPANY, Moline, Ill.
Filed December 31, 1926. Serial No. 242,240. PUBLISHED MARCH 8, 1927.

228,254. CREAM TOILET AND SHAVING SOAP FOR USE IN SOAP DISPENSERS. PREMIER APPLIANCE CO., INC., Philadelphia, Pa.
Filed August 1, 1924. Serial No. 200,829. PUBLISHED MARCH 15, 1927.

228,255. PENCILS. A/S. BLYANTFABRIKEN VIKING, Copenhagen, Denmark.
Filed August 15, 1924. Serial No. 201,426. PUBLISHED SEPTEMBER 14, 1926.

228,256. COFFEE, BOUILLON CUBES, CANNED PORK AND BEANS, CATCHUP, OLIVES, PICKLES, PEANUT BUTTER, SALAD DRESSING, CHILI SAUCE, VINEGAR, CHILI CON CARNE, SPICES, BREAKFAST CEREALS, HONEY, COTTONSEED OIL, PRESERVED FRUITS, FLAVORING EXTRACTS FOR FOOD PURPOSES, CANNED SAUERKRAUT, CANNED FISH, CANNED FRUITS, CANNED VEGETABLES, EVAPORATED MILK, CANNED BERRIES, CANNED SHELLFISH, CANNED FRUITS FOR SALAD, MALT EXTRACT FOR FOOD PURPOSES. WEST SIDE WHOLESALE GROCERY CO., Chicago, Ill.
Filed October 7, 1924. Serial No. 203,551. PUBLISHED MARCH 15, 1927.

228,257. LIQUID PREPARATION FOR CLEANING THE HANDS, FABRICS, ETC. KING OF ALL CLEANER COMPANY, Atlantic, Iowa.
Filed December 22, 1924. Serial No. 207,083. PUBLISHED MARCH 15, 1927.

228,258. MEAT SAUSAGE. JOSEPH B. COHEN, doing business as Kosher Dog Company, Chicago, Ill.
Filed June 22, 1925. Serial No. 216,149. PUBLISHED MARCH 15, 1927.

228,259. PLANT FIBERS, THREAD, AND YARN. CLARENCE C. SELDEN & CO., Los Angeles, Calif.
Filed October 15, 1925. Serial No. 221,778. PUBLISHED MARCH 15, 1927.

228,260. DISH DRAINERS, SPONGE HOLDERS, SOAP DISHES, TOOTHBRUSH HOLDERS, WALL BRACKETS, BROILERS, PLATE RACKS AND HOLDERS, TUMBLER HOLDERS, TOWEL RACKS, FLATIRON RESTS, STRAINERS, SOAP SHAKERS, TOILET-PAPER BRACKETS, PIPE HANGERS, CAKE COOLERS, SHELVING, POT RACK HOLDERS, KETTLE BOTTOMS, AND POT STANDS. MARLBORO WIRE GOODS COMPANY, Marlboro, Mass.
Filed October 29, 1925. Serial No. 222,516. PUBLISHED MARCH 15, 1927.

228,261. PICKLES, CHOWCHOW, MEXICAN HOT (TOMATO SAUCE WITH CHOPPED PICKLES), SWEET INDIA RELISH, PICCALILLI, SWEET PICKLED GREEN TOMATOES, PICKLED ONIONS, GHERKINS, PREPARED MUSTARD, DISTILLED VINEGAR, APPLE-CIDER VINEGAR, HORSERADISH WITH VINEGAR. A. J. MOELLER PICKLE CO., San Francisco, Calif.
Filed November 21, 1925. Serial No. 223,651. PUBLISHED MARCH 15, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

228,262. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE LOX SEAL CORPORATION, Brooklyn, N. Y. Filed June 11, 1925. Serial No. 215,639.

BOX LOX

Particular description of goods.—Clasps for Securing Cord, Wire, Straps, and Tags, and for Securing the Closure of Boxes, Baskets, Cartons, Packages, and Similar Receptacles.
Claims use since November, 1924.

228,263. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill. Filed Mar. 1, 1926. Serial No. 227,960.

Windsor

Particular description of goods.—Coal, Gas, and Oil Stoves, Ranges, Heaters, and Ovens, and on Furnaces, Both Pipe and Pipeless, and on Boilers, Both Steam and Hot Water.
Claims use since fall of 1913.

228,264. (CLASS 39. CLOTHING.) SUNFAST HATS, INCORPORATED, Danbury, Conn. Filed Mar. 12, 1927. Serial No. 245,667.

Sunfast

Particular description of goods.—Men's, Women's, and Children's Hats.
Claims use since on or about Jan. 1, 1922.

228,265. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BUEGELEISEN & JACOBSON, New York, N. Y. Filed Feb. 11, 1927. Serial No. 244,215.

Pique DE PARIS

Particular description of goods.—Bows for Violins, Violincellos, Violas, and Double Basses; Violin Rosin, and Violin Bow Hair.
Claims use since 1908.

228,266. (CLASS 37. PAPER AND STATIONERY.) G. A. ACKERMANN PRINTING CO., Chicago, Ill. Filed Feb. 3, 1927. Serial No. 243,739.

Allsize

Particular description of goods.—Certain Named Uncut Paper Stock.
Claims use since November, 1924.

228,267. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. KELLER, San Francisco, Calif., doing business as California Fruit Preserving Co., assignor to California Fruit Preserving Corporation, San Francisco, Calif., a Corporation of California. Filed Nov. 24, 1926. Serial No. 240,550.

Oest's

Particular description of goods.—Plum Pudding, Raisin Pudding, Mincemeat, Jams, Jellies, Fruit Preserves, Marmalade.
Claims use since May 1, 1906.

228,268. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEHMAN BROS., INC., Jersey City, N. J. Filed Nov. 20, 1926. Serial No. 240,357.

LUSTERCOTE

Particular description of goods.—Dry, Ready-Mixed, and Paste Paints, Paint Enamels, Varnishes, Prepared Shellacs, and Waterproofing Paints.
Claims use since Nov. 1, 1925.

228,269. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed June 3, 1926. Serial No. 232,658.

SLIM-FASHOND

Particular description of goods.—Women's Coats, Suits, Dresses, Waists, and Skirts.
Claims use since Jan. 28, 1926.

228,270. (CLASS 39. CLOTHING.) CRADDOCK-TERRY CO., Lynchburg, Va. Filed Apr. 29, 1926. Serial No. 230,876.

SUPER Feather Lite STYLE

Particular description of goods.—Leather Shoes.
Claims use since Apr. 2, 1926.

228,271. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE ROEMHILDT CO., Dayton, Ohio. Filed Apr. 8, 1926. Serial No. 229,647.

SURFAS

Particular description of goods.—A Cleaner for Painted, Varnished, or Enameled Surfaces.
Claims use since Mar. 10, 1926.

TRADE-MARK REGISTRATIONS RENEWED

29,273. MUSTARD AND SPICES. Registered December 8, 1896. SADLER, FIRTH & ROSS, LIMITED, London, England. Renewed December 8, 1926, to Joseph Farrow & Company, Limited, Carlton Works, Peterborough, England, a Corporation of Great Britain, assignee.

29,994. CHEMICAL PRODUCTS FOR USE IN MEDICINE, PHARMACY DISINFECTANTS, AND PERFUMES. Registered May 11, 1897. F. HOFFMANN-LA ROCHE & CIE., Basel, Switzerland. Renewed May 11, 1927, to The Hoffmann-La Roche Chemical Works, New York, N. Y., a Corporation of New York, assignee.

30,305. CANNED FRUITS, VEGETABLES, FISH, OYSTERS, LOBSTERS, MEATS, AND POULTRY. Registered June 29, 1897. PORTLAND PACKING CO., Portland, Me. Renewed June 29, 1927.

30,361. CYCLOMETERS, ODOMETERS, ENGINE COUNTERS, AND FLUID METERS. Registered July 13, 1897. BUFFALO METER COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed July 13, 1927.

30,674. WASHING BLUE. Registered October 12, 1897. J. & J. COLMAN, LIMITED, Norwich and London, England, a Corporation of Great Britain. Renewed October 12, 1927.

30,687. SPECTACLES AND EYEGLASSES. Registered October 19, 1897. AMERICAN OPTICAL COMPANY. Renewed October 19, 1927, to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts, assignee.

54,066. BENT-WOOD FURNITURE. Registered June 19, 1906. THONET BROTHERS, Vienna, Austria. Renewed June 19, 1926, to Thonet Brothers, New York, N. Y., a Corporation of New York, assignee.

59,529. RHEUMATISM DROPS. Registered January 8, 1907. ANSTALT ZUR VERFERTIGUNG DER DR. SULZBERGER'SCHEN FLUSSTINKTUR. Renewed January 8, 1927, to Anstalt zur Verfertigung der Dr. Sulzberger'schen Allgemeinen Flusstinktur, Salzungen, Germany, a Corporation of Duchy of Saxe-Meiningen, Germany.

59,530. RHEUMATISM DROPS. Registered January 8, 1907. ANSTALT ZUR VERFERTIGUNG DER DR. SULZBERGER'SCHEN ALLGEMEINEN FLUSSTINKTUR, Salzungen, Germany, a Corporation of Duchy of Saxe-Meiningen, Germany. Renewed January 8, 1927.

61,669. CEMENT COMPOUNDS FOR MAKING PIPE JOINTS. Registered April 2, 1907. THE LEADITE COMPANY OF AMERICA. Renewed April 2, 1927, to The Leadite Company, Philddelphia, Pa., a Corporation of Delaware, assignee.

62,146. COTTON CLOTHESLINES. Registered April 23, 1907. CLEVELAND MILL & POWER COMPANY, Lawndale, N. C., a Corporation of North Carolina. Renewed April 23, 1927.

62,147. COTTON CLOTHESLINES. Registered April 23, 1907. CLEVELAND MILL & POWER COMPANY, Lawndale, N. C., a Corporation of North Carolina. Renewed April 23, 1927.

62,219. TOOTH AND TALCUM POWDER. Registered April 23, 1907. R. E. DESMOND, St. Louis, Mo. Renewed April 23, 1927, to Odol Chemical Corporation, New York, N. Y., a Corporation of Delaware, assignee by mesne assignments.

62,307. PORT AND SHERRY WINES. Registered April 30, 1907. GEO. G. SANDEMAN SONS & CO., LIMITED, London, England, a Limited Liability Company of Great Britain. Renewed April 30, 1927.

62,385. SPOOL COTTON AND THREAD. Registered May 7, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed May 7, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

62,387. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered May 7, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed June 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

62,388. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered May 7, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed May 7, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

62,417. CANDLES. Registered May 7, 1907. THE WILL & BAUMER COMPANY. Renewed May 7, 1927, to Will & Baumer Candle Co. Inc., Syracuse, N. Y., a Corporation of New York, successor.

62,686. DRIED FRUIT. Registered May 21, 1907. CASTLE BROTHERS, INCORPORATED. Renewed May 21, 1927, to Harry Hall & Co. Inc., San Francisco, Calif., a Corporation of California, successor.

62,774. SHEATHING PAPER FOR USE IN THE CONSTRUCTION OF BUILDINGS. Registered May 28, 1907. BARRETT MANUFACTURING COMPANY. Renewed May 28, 1927, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

62,948. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered June 4, 1907. THE AMERICAN THREAD COMPANY Jersey City,. N. J. Renewed June 4, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

62,950. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered June 4, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed June 4, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,060. SILK PIECE GOODS. Registered June 4, 1907. SUSQUEHANNA SILK MILLS. Renewed June 4, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

63,061. SILK PIECE GOODS. Registered June 4, 1907. SUSQUEHANNA SILK MILLS. Renewed June 4, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

63,093. DRIED FRUIT. Registered June 4, 1907. CASTLE BROTHERS, INCORPORATED. Renewed June 4, 1927, to Harry Hall & Co. Inc., San Francisco, Calif., a Corporation of California, successor.

63,137. SPOOL COTTON, THREAD, AND SEWING COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed June 11, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,138. SPOOL COTTON, THREAD, AND SEWING COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed June 11, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,139. SPOOL COTTON, THREAD, AND SEWING COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed June 11, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,199. CERTAIN ARTICLES MADE OF PLUMBAGO OR GRAPHITE. Registered June 11, 1907. THE MORGAN CRUCIBLE COMPANY, LIMITED, Battersea, London, England, a Limited-Liability Company of Great Britain. Renewed June 11, 1927.

63,208. SPOOL COTTON, THREAD, AND SEWING COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed June 11, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,413. A REMEDY FOR AFFECTIONS AND DISEASES OF THE EYE. Registered June 18, 1907. JOHN P. W. S. AYMOND, Bunkie, La. Renewed June 18, 1927.

63,527. SEWING COTTON ON SPOOLS AND REELS. Registered June 25, 1907. JAS. CHADWICK & BROS., LTD., Bolton, England, a Corporation of Great Britain and Ireland. Renewed June 25, 1927.

63,556. CHOCOLATE, COCOA, AND CHOCOLATE CANDIES. Registered June 25, 1907. RUSS-SUCHARD ET CIE., Neuchatel, Switzerland. Renewed June 25, 1927, to Suchard, S. A., Serrieres, Switzerland, a Corporation of Switzerland, assignee.

63,602. CHOCOLATE, COCOA, AND CHOCOLATE CANDIES. Registered June 25, 1907. RUSS-SUCHARD ET CIE., Neuchatel, Switzerland. Renewed June 25, 1927, to Suchard, S. A., Serrieres, Switzerland, a Corporation of Switzerland, assignee.

63,630. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed July 2, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,632. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed July 2, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

63,634. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 2, 1927.

63,635. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 2, 1927.

63,636. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 2, 1927.

63,637. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 2, 1927.

63,684. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered July 2, 1907. SUSQUEHANNA SILK MILLS. Renewed July 2, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

63,685. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered July 2, 1907. SUSQUEHANNA SILK MILLS. Renewed July 2, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

63,686. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered July 2, 1907. SUSQUEHANNA SILK MILLS. Renewed July 2, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

63,757. OINTMENTS. Registered July 9, 1907. R. HUDNUT'S Pharmacy. Renewed July 9, 1927, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

63,798. CERTAIN CLOTHING. Registered July 9, 1907. A. G. SPALDING & BROS., Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed July 9, 1927.

64,209. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 30, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 30, 1927.

64,210. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 30, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 30, 1927.

64,211. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 30, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 30, 1927.

64,214. SPOOL COTTON, SEWING SILK, AND THREAD. Registered July 30, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed July 30, 1927.

64,219. BOOTS AND SHOES OF LEATHER. Registered July 30, 1907. ENDICOTT-JOHNSON CO. Renewed July 30, 1927, to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York, assignee by mesne assignments.

64,221. PORT AND SHERRY WINES. Registered July 30, 1907. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a Limited Liability Company of Great Britain. Renewed July 30, 1927.

64,715. CANDY, BONBONS, AND ICE CREAM. Registered August 20, 1907. M. E. ABEL ESTATE. Renewed August 20, 1927, to Abel's, Easton, Pa., successor.

64,795. KNITTED UNDERWEAR. Registered August 20, 1907. OTIS COMPANY. Renewed August 20, 1927, to Ware Valley Manufacturing Co. Inc., Ware, Mass., a Corporation of Massachusetts, assignee.

64,819. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,820. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,823. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,824. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,830. SPOOL COTTON, SEWING SILK, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,831. SPOOL COTTON, SEWING SILK, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,832. SPOOL COTTON, SEWING SILK, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,833. SPOOL COTTON, SEWING SILK, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,834. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered August 27, 1907. THE AMERICAN THREAD COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 27, 1927.

64,848. CERTAIN DRESS GOODS. Registered August 27, 1907. EDWARD RIPLEY & SON, LIMITED, Bradford, England, a Corporation of Great Britain. Renewed August 27, 1927.

64,883. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,884. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,885. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,886. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,887. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,888. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,889. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,890. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,891. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

64,892. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered August 27, 1907. SUSQUEHANNA SILK MILLS. Renewed August 27, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

65,039. CANNED, DRIED, AND FRESH FRUITS. Registered September 3, 1907. BALFOUR, GUTHRIE & CO., San Francisco, Calif. Renewed September 3, 1927.

65,057. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered September 3, 1907. SUSQUEHANNA SILK MILLS. Renewed September 3, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

65,090. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered September 3, 1907. SUSQUEHANNA SILK MILLS. Renewed September 3, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

65,194. SOAP. Registered September 10, 1907. THE BROWN SOAP CO. Renewed September 10, 1927, to The Skidoo Company, Columbus, Ohio, a Corporation of Ohio, assignee by mesne assignments.

65,285. SILK PIECE GOODS AND SILK-MIXED PIECE GOODS. Registered September 17, 1907. SUSQUEHANNA SILK MILLS. Renewed September 17, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

65,370. WHEAT FLOUR. Registered September 24, 1907. GEORGE URBAN MILLING COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed September 24, 1927.

65,442. EXPLOSIVE POWDER. Registered September 24, 1907. INDEPENDENT NON-FREEZING POWDER COMPANY, Paulsboro, N. J. Renewed September 3, 1927, to Trojan Powder Company, Allentown, Pa.; Chicago, Ill.; Portland, Oreg.; and San Francisco, Calif., a Corporation of New York, assignee.

65,521. REFRIGERATORS. Registered October 8, 1907. THE BALDWIN REFRIGERATOR CO., Burlington, Vt., a Corporation of Vermont. Renewed October 8, 1927.

65,537. TEA. Registered October 8, 1907. MENOWN & GREGORY. Renewed October 8, 1927, to Allen-Rethemeyer Company, St. Louis, Mo., assignee.

65,547. CIGARS, CHEROOTS, AND LITTLE CIGARS. Registered October 8, 1907. VALENTINO M. ANTUONO, Tampa, Fla. Renewed October 8, 1927.

65,548. CIGARS, CHEROOTS, AND LITTLE CIGARS. Registered October 8, 1907. VALENTINO M. ANTUONO, Tampa, Fla. Renewed October 8, 1927.

65,575. PERFUMERY AND FACE TINTS. Registered October 8, 1907. SOCIÉTÉ GUERLAIN, Paris, France. Renewed October 8, 1927, to Guerlain Perfumery Corporation of Delaware, Wilmington, Del., a Corporation of Delaware, assignee.

65,576. PERFUMERY. Registered October 8, 1907. SOCIÉTÉ GUERLAIN, Paris, France. Renewed October 8, 1927, to Guerlain Perfumery Corporation of Delaware, Wilmington, Del., a Corporation of Delaware, assignee.

65,578. CHOCOLATES AND CANDY. Registered October 8, 1907. WALLACE & CO., New York, N. Y. Renewed October 8, 1927, to Wallace & Co., Brooklyn, N. Y., a Corporation of New Jersey.

65,579. CHOCOLATES AND CANDY. Registered October 8, 1907. WALLACE & CO., New York, N. Y. Renewed October 8, 1927, to Wallace & Co., Brooklyn, N. Y., a Corporation of New Jersey.

65,582. SILK PIECE GOODS. Registered October 8, 1907. CHENEY BROTHERS, South Manchester, Conn., a Corporation of Connecticut. Renewed October 8, 1927.

65,644. TABLE SALT. Registered October 15, 1907. WORCESTER SALT COMPANY, Silver Springs and New York, N. Y. Renewed October 15, 1927, to Worcester Salt Company, New York, N. Y., a Corporation of New York.

65,682. CIGARETTES AND SMOKING TOBACCO. Registered October 15, 1907. ORIENTALISCHE TABAK UND CIGARETTENFABRIK YENIDZE, INHABER HUGO ZIETZ. Renewed October 15, 1927, to Orientalische Tabak- und Cigarettenfabrik Yenidze, Inhaber Hugo Zietz, G. m. b. H., Dresden, Germany, assignee.

65,738. OINTMENTS. Registered October 22, 1907. HARRY HOGSHEAD, Staunton, Va. Renewed October 22, 1927.

65,848. WHEAT AND RYE FLOUR. Registered October 22, 1907. WILKINSON, GADDIS & CO., Newark, N. J., a Corporation of New Jersey. Renewed October 22, 1927.

LABELS

REGISTERED MAY 24, 1927.

32,114.—*Title:* SLICED BACON PACKET. For Bacon. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 1, 1926.

32,115.—*Title:* HOLLARD'S STAR. For Cigars. BENJAMIN FRANKLIN CIGAR MFG. CO., INC., Philadelphia, Pa. Published December 30, 1926.

32,116.—*Title:* BONDARON SOLID ROUND BELTING. For Leather Belting. CHARLES BOND COMPANY, Philadelphia, Pa. Published April 12, 1927.

32,117.—*Title:* GLACIER. For Carbonated Table Water. T. J. BURKE, doing business as The Crystal Springs Company, Plainville, Ohio. Published December 10, 1926.

32,118.—*Title:* RED MONK. For Wine Bitters Tonic. WILLIAM CREVEY, doing business as Red Monk Medicinal Wine Co., Los Angeles, Calif. Published March 1, 1927.

32,119.—*Title:* GENUINE AUDION BY DE FOREST TYPE D-01A. For De Forest-Type D-01A Audions. DE FOREST RADIO COMPANY, Jersey City, N. J. Published February 21, 1927.

32,120.—*Title:* DENNISON'S POKER CHIPS. For Poker Chips. DENNISON MANUFACTURING CO., Framingham, Mass. Published April 14, 1927.

32,121.—*Title:* DINSMORE RADIO WAVE TRAP FILTER. For Radio Wave-Trap Filter. ROBERT MAXWELL DINSMORE, Little Falls, N. J. Published January 1, 1927.

32,122.—*Title:* THE FREEZER. For Ice Cream and Candy. THE FREEZER CO., South Pasadena, Calif. Published November 24, 1926.

32,123.—*Title:* GALE'S AN-SEP-TIC THE WONDER OIL. For Antiseptic Preparation. LAWRENCE O. GALE, doing business as The Gale Company, Minneapolis, Minn. Published March 12, 1927.

32,124.—*Title:* GELFAND'S RELISH SANDWICH SPREAD. For Relish Sandwich Spread. THE GELFAND MANUFACTURING CO., Baltimore, Md. Published April 1, 1927.

32,125.—*Title:* ICY FLIP. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published October 1, 1923.

32,126.—*Title:* ORANGE FLIP. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published June 5, 1926.

32,127.—*Title:* WHIP CENTER. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published October 1, 1923.

32,128.—*Title:* DUTCH TREAT. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published August 14, 1925.

32,129.—*Title:* GRAVY. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published February 18, 1927.

32,130.—*Title:* RARE BIT. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published October 1, 1923.

32,131.—*Title:* HAMMERMILL BOND ENVELOPES, HALF THOUSAND, BUFF, REGULAR FINISH. For Envelopes. HAMMERMILL PAPER COMPANY, Erie, Pa. Published April 8, 1927.

32,132.—*Title:* HAMMERMILL BOND ENVELOPES, HALF THOUSAND, WHITE, REGULAR FINISH. For Envelopes. HAMMERMILL PAPER COMPANY, Erie, Pa. Published April 8, 1927.

32,133.—*Title:* NEVERDROWN BATHERS COMPACT. For Life-Saving Devices. RICHARD F. IVERSON, Carlstadt, N. J. Published April 13, 1927.

32,134.—*Title:* O-KISS ME. For Confectionery. JOHN KALKANIAN, doing business as Ararat Candy Company, Chicago, Ill. Published March 1, 1927.

32,135.—*Title:* CANDIOLA. For Candy Bars. KNOWLAN CANDY CO., Green Bay, Wis. Published February 8, 1927.

32,136.—*Title:* GLACIER TRAIL. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Hill County Creamery Co., Havre, Mont. Published March 1, 1927.

32,137.—*Title:* KLEEN-MAID BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The New York Bakery, Utica, N. Y. Published February 18, 1927.

32,138.—*Title:* PECHE CREME. For Face Cream. OGILVIE SISTERS, New York, N. Y. Published December 1, 1926.

32,139.—*Title:* FLYLAK SPRAY. For a Compound Disinfectant, Deodorant, and Insecticide. WYLIE R. POWELL, doing business as Fenole Chemical Company, Jacksonville, Fla. Published April 18, 1927.

32,140.—*Title:* BEST-O'-FARM. For Eggs. ROBERTS & OAKE, Chicago, Ill. Published December 20, 1926.

32,141.—*Title:* SANTA. For a Ring Game. SCHACHT RUBBER MFG. CO., Huntington, Ind. Published February 14, 1927.

32,142.—*Title:* CLOWN. For a Ring Game. SCHACHT RUBBER MFG. CO., Huntington, Ind. Published February 14, 1927.

32,143.—*Title:* PUMPKIN FACE. For a Ring Game. SCHACHT RUBBER MFG. CO., Huntington, Ind. Published February 14, 1927.

32,144.—*Title:* JACK RABBIT. For a Ring Game. SCHACHT RUBBER MFG. CO., Huntington, Ind. Published February 14, 1927.

32,145.—*Title:* TWO CAPES HOSIERY. For Hosiery. SHERRICK SELLING AGENCY, Norfolk, Va. Published February 26, 1927.

32,146.—*Title:* RINGS MACARONI. For Macaroni. THARINGER MACARONI COMPANY, Milwaukee, Wis. Published March 1, 1927.

32,147.—*Title:* CLARET PUNCH. For Concentrate. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Published February 16, 1927.

32,148.—*Title:* WATERMAN'S IDEAL INK (BLUE). For Writing Ink. L. E. WATERMAN COMPANY, New York, N. Y. Published April 1, 1927.

32,149.—*Title:* WATERMAN'S IDEAL INK (BLUE BLACK). For Writing Ink. L. E. WATERMAN COMPANY, New York, N. Y. Published April 1, 1927.

32,150.—*Title:* WATERMAN'S IDEAL INK (AZUL NEGRA). For Writing Ink. L. E. WATERMAN COMPANY, New York, N. Y. Published April 1, 1927.

32,151.—*Title:* WHEAT BRAND ORANGES. For Oranges. J. F. WHEAT, Redlands, Calif. Published January 26, 1927.

PRINTS

REGISTERED MAY 24, 1927.

9,848.—*Title:* BON VOYAGE COMPANION. BOX C 64. For Companion Boxes to Hold Pens, Pencils, Etc. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published January 25, 1927.

9,849.—*Title:* DIAMOND-TEST MEMORIALS. For Special Monument Memorials. CAPITOL HILL MONUMENT CO., Des Moines, Iowa. Published February 15, 1927.

9,850.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. The D & C Co. INC., Wilmington, Del. and Brooklyn, N. Y. Published April 3, 1927.

9,851.—*Title:* COMPLEXION VAPOR VEIL. For Vapor Veil. ANNA E. HERRERA, Baltimore, Md. Published November 11, 1926.

9,852.—*Title:* THE STORY OF THE SPOON NO. 3. For Silverware. REED & BARTON, Taunton, Mass. Published March 26, 1927.

9,853.—*Title:* THE STORY OF THE FORK NO. 2. For Silverware. REED & BARTON, Taunton, Mass. Published March 12, 1927.

9,854.—*Title:* THE STORY OF THE KNIFE NO. 2. For Silverware. REED & BARTON, Taunton, Mass. Published February 12, 1927.

9,855.—*Title:* NEW BARRELS. For Barrels. H. SIMMON & SONS, Philadelphia, Pa. Published April 1, 1927.

9,856.—*Title:* KEEP THE JUICES FROM RUNNING OUT OF YOUR PIES. For Pie Marker and Trimmer. EVELYN L. SIMPSON, Ocean City, N. J. Published February 2, 1927.

REISSUES

MAY 24, 1927.

16,628. ASH TRAY. ANDRE JANES, Flushing, N. Y. Filed Mar. 6, 1926. Serial No. 92,970. Original No. 1,549,257, dated Aug. 11, 1925, Serial No. 10,777, filed Feb. 21, 1925. 4 Claims. (Cl. 131—51.)



4. A tray comprising an ash receptacle formed of an outer rim rising from a flat base, a single dais wall integral with the base and rising above it and above the receptacle rim, a horizontal closing wall integral with the dais wall and disposed above the base and above the rim thereby forming an underneath concave hollow portion, and a cigarette supporting ridge included on the dais wall rising above said horizontal closing wall, said ridge and horizontal closing wall forming a shallow portion to prevent the accumulation of ashes therein.

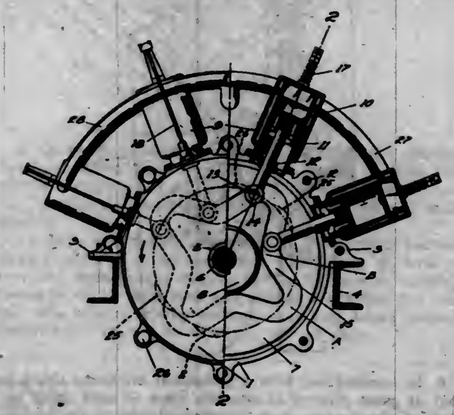
16,629. FOOD-PRESERVING CAN. EDWARD M. LANG, Jr., 3d, Portland, Me. Filed Jan. 15, 1926. Serial No. 81,571. Original No. 1,540,406, dated June 2, 1925, Serial No. 494,667, filed Aug. 23, 1921. 7 Claims. (Cl. 220—81.)



1. A food preserving can having an outwardly turned flange at one end and a cover for said can having an upright portion immediately inside of said can body and having a cover sealing flange connected with said upright portion and a relatively rigid metal gasket interposed between said can flange and cover flange, the said can flange, metal gasket and cover flange being rolled or folded together to form an involute sealing joint, said gasket gripping the joint and being wide enough to extend down into the interior of the can between said upright portion and the side of the can to prevent by its gripping action the opening of the sealing joint.

16,630. INTERNAL-COMBUSTION ENGINE. HENRY A. NORDWICK, Stockton, Calif., assignor to Duplex Motor Company, San Francisco, Calif., a Corporation of Nevada. Filed Apr. 5, 1923. Serial No. 630,171. Original No. 1,374,164, dated Apr. 5, 1921, Serial No. 339,279, filed Nov. 20, 1919. 2 Claims. (Cl. 123—55.)

1. A four cycle gas engine comprising a casing, a shaft turnably mounted therein, a plurality of cylinders secured to the casing in radial alinement with the shaft, pistons in the cylinders, spaced disks fixed to the shaft, means for moving the pistons in and out with the rotation of the disks, circular extensions projecting from the outer faces of the disks, each cylinder having valve tappets projecting radially toward the shaft and slidably mounted in the casing, and each tappet on a side being



in offset alinement from the remainder, and cams on the extensions positioned to fit each tappet at predetermined periods in the rotation of the disks.

16,631. METHOD OF REMOVING SULPHURETED HYDROGEN FROM GASES. WILHELM GLUUD, Dortmund, Germany, assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 7, 1927. Serial No. 173,594. Original application filed Sept. 11, 1922, Serial No. 587,581, and in Germany Sept. 20, 1921. Renewed July 24, 1926. Original No. 1,597,964, dated Aug. 31, 1926. 15 Claims. (Cl. 23—2.)

13. The process of removing sulphureted hydrogen from gases which comprises the use of a solution containing a nickel compound.

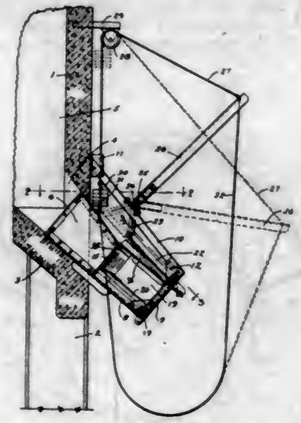
16,632. AUTOMATIC BRAKING MECHANISM FOR MOTOR CARS. JOSEPH C. SNODGRASS, Nashville, Tenn., assignor of three-eighths to Albert R. Tallman and two-eighths to Beverly R. McKinnie, both of Nashville, Tenn. Filed Apr. 2, 1927. Serial No. 180,600. Original No. 1,618,236, dated Feb. 22, 1927, Serial No. 123,725, filed July 20, 1926. 8 Claims. (Cl. 192—8.)



5. A braking mechanism for motor vehicles comprising a vacuum chamber connected with brake-setting and release mechanism and having a valve controlled port through which a vacuum is created in the chamber and a valve-controlled vacuum-breaking port, and means cooperatively connected with said valves to open the vacuum

creating port and close the vacuum breaking port in setting the brakes, and to close the vacuum creating port and open the vacuum breaking port in releasing the brakes.

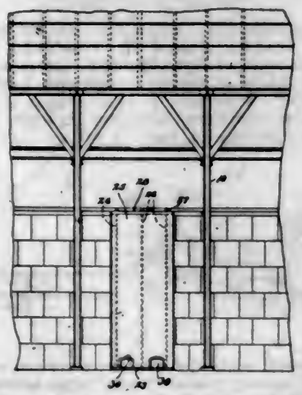
16,633. COAL-CHUTE GATE. EDWIN A. TITUS, Moline, Ill. Filed Mar. 5, 1927. Serial No. 173,208. Original No. 1,583,031, dated May 4, 1926, Serial No. 14,910, filed Mar. 12, 1925. 11 Claims. (Cl. 221—144.)



5. In combination with a horizontal discharge chute, a pair of gates pivoted at opposite sides of said chute for rotation about axes generally perpendicular to the bottom of the chute and capable of transverse movement to or from each other, and means for actuating said gates.

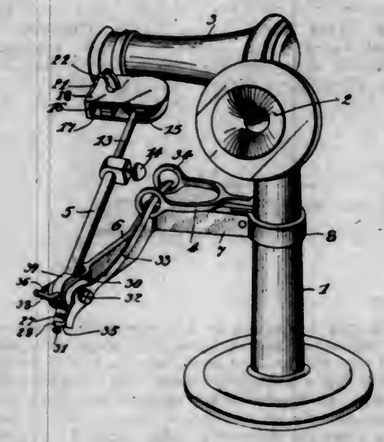
11. In combination with the discharge chute of a storage bin, a pair of opposed gates mounted adjacent said chute and adapted normally to close the passageway in said chute and capable of transverse movement to or from each other, plates, associated with said gates and adapted to form side walls of the chute when the gates are open, and means for actuating said gates.

16,634. PORTABLE SCOVING. CLAUD E. FULLER, New York, N. Y., assignor to New York Brick Handling Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 8, 1927. Serial No. 173,730. Original No. 1,548,794, dated Aug. 4, 1925. Serial No. 707,856, filed Apr. 21, 1924. 8 Claims. (Cl. 15—132.)



1. An improved portable scoving comprising a slab of insulating and fire-resisting material of suitable thickness and means for placing the material of the slab under compression.

16,635. TELEPHONE ATTACHMENT. FAIRFIELD W. HOBAN, New York, N. Y., assignor, by mesne assignments, to Holdaphone, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 8, 1927. Serial No. 173,729. Original No. 1,566,212, dated Dec. 15, 1925, Serial No. 444,415, filed Feb. 12, 1921. 13 Claims. (Cl. 179—140.)



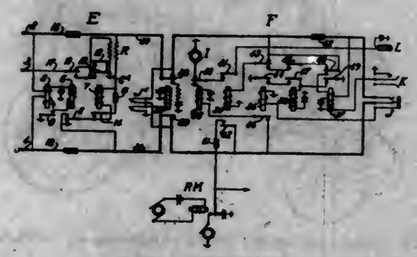
2. In a telephone attachment, the combination with a bracket and means for holding it in associated relation with a telephone instrument, of a receiver carrying arm pivoted to the bracket, and a lever pivoted between its ends on the bracket and coaxially with the arm, one arm of the lever being in the path of the arm, the other arm of the lever engaging the telephone receiver hook of the instrument to operate the same when said lever is moved by the arm.

16,636. FISHING LURE. ALLAN D. SKELLY, South Lawrence, and DAVID M. SKELLY, Methuen, Mass. Filed Apr. 14, 1927. Serial No. 183,886. Original No. 1,594,798, dated Aug. 3, 1926. Serial No. 84,968, filed Jan. 30, 1926. 8 Claims. (Cl. 43—42.)



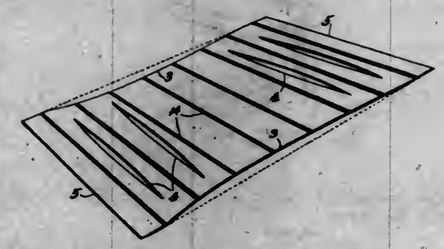
1. A fish lure comprising a body increasing in width from its front end to a point adjacent its rear end and having formed in such rear end an opening reducing the effective area of the widened portion of the body to a point where it is less than the effective resistance of the narrower portions of the body, hooks supported from the body and means at the forward end of the body for attaching a fish line thereto.

16,637. INTEROFFICE TRUNK CIRCUITS FOR TELEPHONE SYSTEMS. BERNARD D. WILLIS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 30, 1926. Serial No. 85,034. Original No. 1,495,059, dated May 20, 1924, Serial No. 289,820, filed June 18, 1920. 14 Claims. (Cl. 179—27.)



9. In a telephone system, a called line leading to an operator's position, a signal lamp on the called line at the operator's position, means for initiating a call on the calling line whereby the lamp will responsively energize as a calling signal, means for responding to the call at the operator's position and for thereby deenergizing the lamp, and means controlled from the calling line for reenergizing the lamp over a new circuit path regardless of the responded state of the called line being maintained.

16,638. MATTRESS AND METHOD OF MAKING THE SAME. WALTER HARRISON KELSEY, Kansas City, Mo. Filed Oct. 11, 1926. Serial No. 141,007. Original No. 1,559,708, dated Nov. 3, 1925, Serial No. 705,910, filed Apr. 11, 1924. 11 Claims. (Cl. 5—355.)



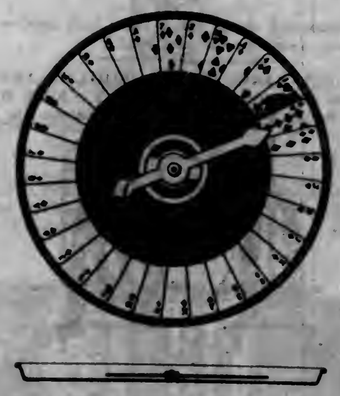
1. In a mattress, a substantially rectangular boxing, ticking adapted to be secured to the boxing to form the mattress casing, and stuffing for filling the mattress casing, the said ticking having curves at the sides and ends thereof.

11. In a mattress, a substantially rectangular boxing, ticking adapted to be secured to the boxing to form a mattress casing, said ticking having the weave running crosswise of the mattress, and stuffing for filling the casing, said ticking having concave sides and seams formed transversely thereof to constitute curved ends.

DESIGNS

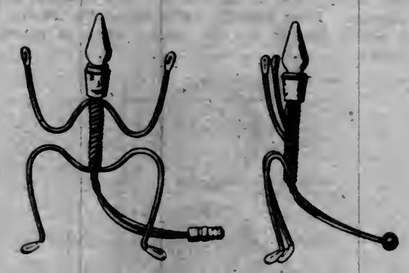
MAY 24, 1927.

72,689. FORTUNE-TELLING GAME BOARD. CHARLES G. AUCHTER, Pittsburgh, Pa. Filed Nov. 3, 1926. Serial No. 19,583. Term of patent 7 years.



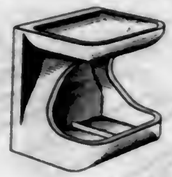
The ornamental design for a fortune-telling game board, as shown.

72,690. DECORATIVE LIGHTING DEVICE. JAMES G. BALDWIN, New York, N. Y. Filed June 5, 1926. Serial No. 17,953. Term of patent 7 years.



The ornamental design for a decorative lighting device as shown in the accompanying drawing.

72,691. COMBINATION BATHROOM FIXTURE. JOHN H. BALMER, Maplewood, N. J. Filed Jan. 19, 1927. Serial No. 20,429. Term of patent 3½ years.



The ornamental design for a combination bathroom fixture as shown.

72,692. GOLF BALL. GEORGE WILLIAM BELDAM, Ealing, England. Filed July 16, 1925, Serial No. 14,118, and in Great Britain May 1, 1925. Term of patent 14 years.



The ornamental design for a golf ball as shown.

72,693. GOLF BALL. GEORGE WILLIAM BELDAM, Ealing, England. Filed Feb. 25, 1925, Serial No. 12,478, and in Great Britain Jan. 21, 1925. Term of patent 14 years.



The ornamental design for a golf ball as shown.

72,694. AUTOMOBILE TOY. SAMUEL I. BERGER, Newark, N. J. Filed Jan. 17, 1927. Serial No. 20,410. Term of patent 7 years.



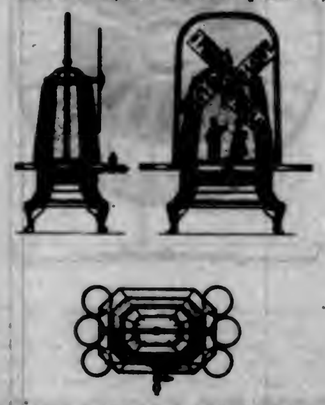
The ornamental design for an automobile toy as shown.

72,695. RADIO LOUD-SPEAKER BODY. CLAYTON M. BOUDETTE, Revere, Mass. Filed Oct. 2, 1926. Serial No. No. 19,227. Term of patent 7 years.



The ornamental design for a radio loud speaker body substantially as shown and described.

72,696. BEVERAGE URN OR SIMILAR ARTICLE. BERNARD BRANSTON, Brooklyn, N. Y. Filed Mar. 1, 1927. Serial No. 20,933. Term of patent 3½ years.



The ornamental design for a beverage urn or similar article as shown.

72,697. BEVERAGE URN OR SIMILAR ARTICLE. BERNARD BRANSTON, Brooklyn, N. Y. Filed Mar. 1, 1927. Serial No. 20,934. Term of patent 3½ years.



The ornamental design for a beverage urn or similar article as shown.

72,698. FLACON. RUBY T. BREWSTER, New York, N. Y. Filed Mar. 18, 1927. Serial No. 21,186. Term of patent 3½ years.



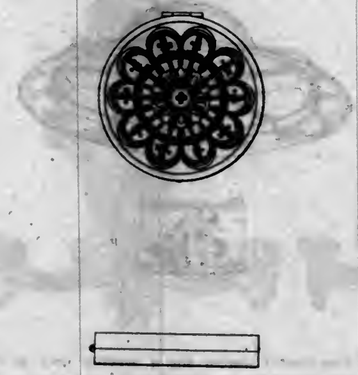
The ornamental design for a flacon, as shown.

72,699. RADIOCABINET. WILLIAM G. CRUMLISH and WALTER F. SCOTT, Wilmington, Del. Filed Mar. 9, 1925. Serial No. 12,650. Term of patent 3½ years.



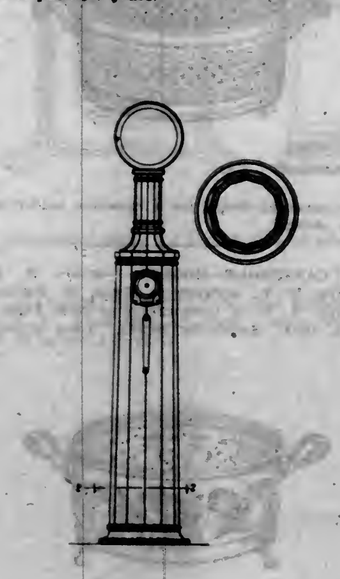
The ornamental design for a radiocabinet, as shown.

72,700. COMPACT CASE. BERNARD D'ESCAYRAC, New York, N. Y., assignor to Suerlain Perfumery Corporation of New York, New York, N. Y., a Corporation of New York. Filed Mar. 15, 1927. Serial No. 21,147. Term of patent 14 years.



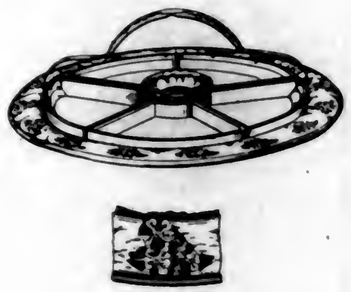
The ornamental design for a compact case as shown.

72,701. GASOLINE-PUMP CASING. EARL E. EICKMEYER, Dayton, Ohio, assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 20, 1927. Serial No. 20,446. Term of patent 7 years.



The ornamental design for a gasoline pump casing as shown.

72,702. SERVING TRAY OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,970. Term of patent 14 years.



The ornamental design for a serving tray or similar article substantially as shown.

72,703. CASSEROLE HOLDER. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,972. Term of patent 14 years.



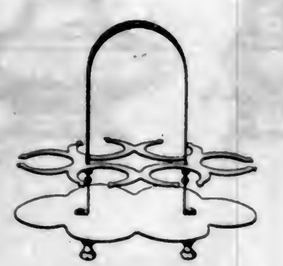
The ornamental design for a casserole holder substantially as shown.

72,704. CASSEROLE HOLDER. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,973. Term of patent 14 years.



The ornamental design for a casserole holder substantially as shown.

72,705. HOLDER FOR GLASSES. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,974. Term of patent 14 years.



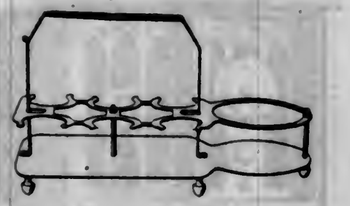
The ornamental design for a holder for glasses substantially as shown.

72,706. HOLDER FOR GLASSES. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,975. Term of patent 14 years.



The ornamental design for a holder for glasses substantially as shown.

72,707. HOLDER FOR GLASSES. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,976. Term of patent 14 years.



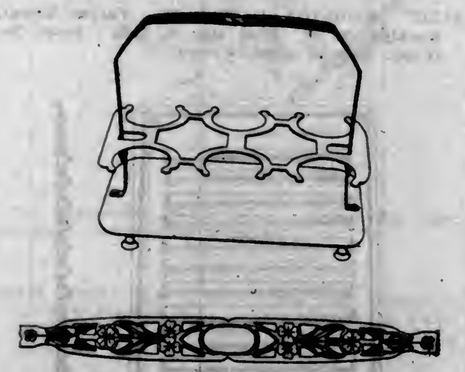
The ornamental design for a holder for glasses substantially as shown.

72,708. HOLDER FOR GLASSES. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,978. Term of patent 14 years.



The ornamental design for a holder for glasses substantially as shown.

72,709. HOLDER FOR GLASSES. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,979. Term of patent 14 years.



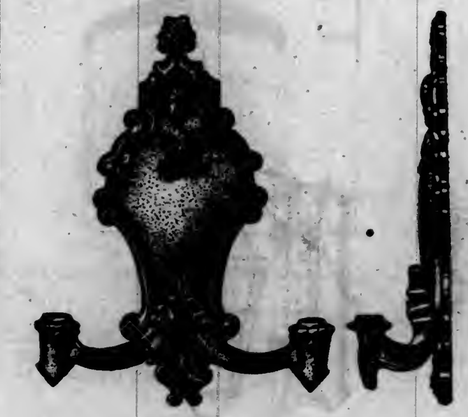
The ornamental design for a holder for glasses substantially as shown.

72,710. LIGHTING-FIXTURE STRAP. MICHAEL JONICK, New York, N. Y., assignor to Jonick-Sirken Co., Inc., a Corporation of New York. Filed Mar. 3, 1927. Serial No. 20,953. Term of patent 3½ years.



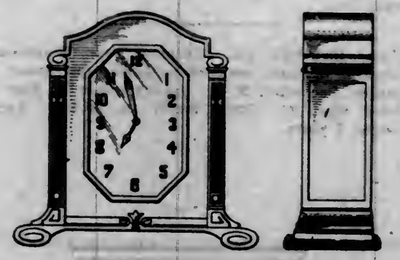
The ornamental design for a lighting fixture strap, substantially as shown.

72,711. LIGHTING-FIXTURE WALL BRACKET. MICHAEL JONICK, New York, N. Y., assignor to Jonick-Sirken Co., Inc., a Corporation of New York. Filed Mar. 3, 1927. Serial No. 20,954. Term of patent 3½ years.



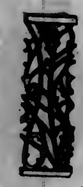
The ornamental design for a lighting fixture wall bracket, substantially as shown.

72,712. CLOCK CASE. JACK KATZ, New York, N. Y. Filed Jan. 13, 1926. Serial No. 16,040. Term of patent 3½ years.



The ornamental design for a clock case, as shown.

72,713. GAS-HEATER GRILL. WALTER KENNEDY, Cliffside, N. J. Filed Mar. 22, 1926. Serial No. 17,003. Term of patent 3½ years.



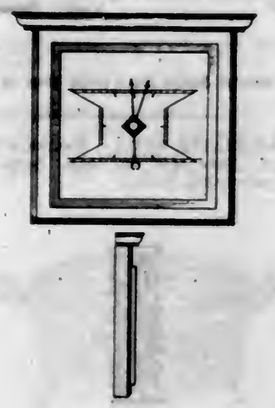
The ornamental design for a gas heater grill, as shown.

72,714. ELECTRIC LIGHT FIXTURE. GEORGE LIPSCHUTZ, Philadelphia, Pa. Filed Mar. 17, 1927. Serial No. 21,176. Term of patent 3½ years.



The ornamental design for an electric light fixture as shown.

72,715. BAROMETER. HERBERT LONG, Walthamstow, London, England, assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Sept. 27, 1926. Serial No. 19,181. Term of patent 7 years.



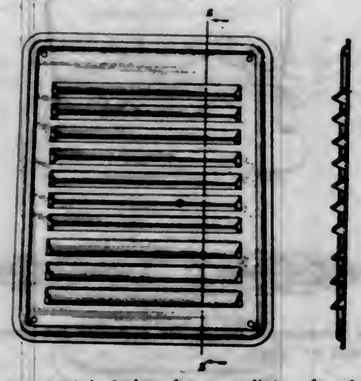
The ornamental design for a barometer, as shown.

72,716. BELT BUCKLE. MERRIL MASON, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Feb. 10, 1927. Serial No. 20,669. Term of patent 3½ years.



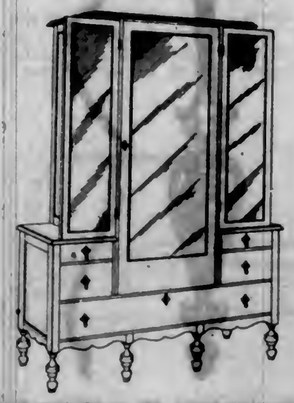
The ornamental design for a belt buckle, as shown.

72,717. RADIATOR FACEPLATE. FRANK MAMMI, Brooklyn, N. Y. Filed May 4, 1926. Serial No. 17,565. Term of patent 14 years.



The ornamental design for a radiator faceplate as shown.

72,718. DESIGN FOR A COMBINED WARDROBE AND DRESSER. CORNELIUS G. MORROW and SHERMAN H. OAKES, Thomasville, N. C. Filed Jan. 31, 1927. Serial No. 20,506. Term of patent 7 years.



The ornamental design for a combined wardrobe and dresser, as shown.

72,719. RECEPTACLE FOR TOILET ARTICLES OR SIMILAR ARTICLE. FLORA MASON NICHOLSON, Washington, D. C. Filed Feb. 14, 1927. Serial No. 20,760. Term of patent 7 years.



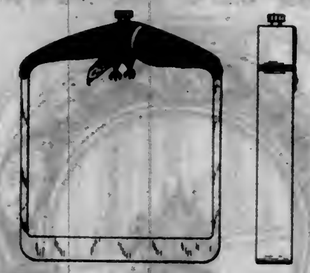
The ornamental design for a receptacle for toilet articles or similar article, as shown.

72,720. TIRE. FRED A. NIED, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1927. Serial No. 21,215. Term of patent 14 years.



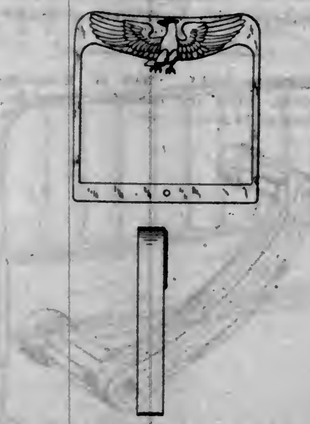
The ornamental design for a tire as shown.

72,721. RADIATOR SHELL. ANDREW PALKA, Detroit, Mich. Filed Jan. 26, 1926. Serial No. 16,274. Term of patent 3½ years.



The ornamental design for a radiator shell as shown.

72,722. RADIATOR SHELL. ANDREW PALKA, Detroit, Mich. Filed Feb. 13, 1926. Serial No. 16,515. Term of patent 3½ years.



The ornamental design for a radiator shell, as shown.

72,723. RADIO-DIAL ESCUTCHEON PLATE. PYAM L. PENDLETON, Providence, R. I., assignor to Martin-Copeland Company, Providence, R. I., a trusteeship consisting of Edgar W. Martin, Barrington, R. I.; Laurence C. Martin, Providence, R. I.; and George W. Bleecker, Chicago, Ill. Filed Sept. 29, 1926. Serial No. 19,200. Term of patent 7 years.



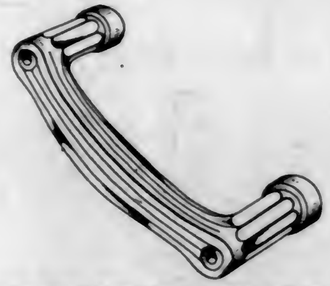
The ornamental design for a radio dial escutcheon plate substantially as shown.

72,724. PLATE OR SIMILAR ARTICLE. JOHN E. PHILLIPS, Chicago, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1926. Serial No. 16,689. Term of patent 14 years.



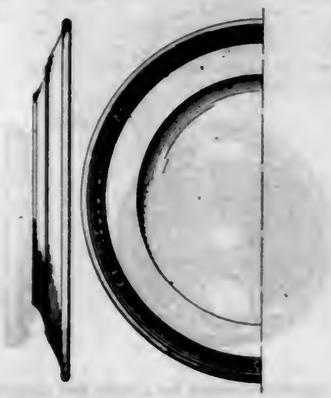
The ornamental design for a plate or similar article, as shown.

72,725. DRAWER PULL. MAX H. ROSENTHAL, Los Angeles, Calif. Filed Apr. 16, 1926. Serial No. 17,319. Term of patent 14 years.



The ornamental design for a drawer pull, as shown.

72,726. PLATE. EMIL L. SCHNEFF, Trenton, N. J., assignor to Scammell China Company, Trenton, N. J. Filed Oct. 5, 1926. Serial No. 19,245. Term of patent 14 years.



The ornamental design for a plate, as shown.

72,727. LIGHTING-FIXTURE BACKPLATE. ALFRED P. SEIDELL, Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co., a Corporation of New Jersey. Filed Mar. 24, 1927. Serial No. 21,316. Term of patent 7 years.



The ornamental design for a lighting fixture backplate substantially as shown.

72,728. LIGHTING-FIXTURE BACKPLATE. ALFRED P. SEIDELL, Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co., a Corporation of New Jersey. Filed Mar. 24, 1927. Serial No. 21,317. Term of patent 7 years.



The ornamental design for a lighting fixture backplate substantially as shown.

72,729. GAS HEATER. WILLIAM L. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 4, 1927. Serial No. 20,966. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

72,730. GAS HEATER. WILLIAM L. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 4, 1927. Serial No. 20,967. Term of patent 7 years.



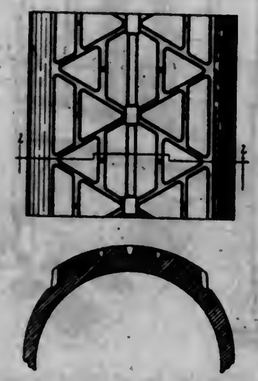
The ornamental design for a gas heater, as shown.

72,731. SHOE. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 22, 1927. Serial No. 20,457. Term of patent 3½ years.



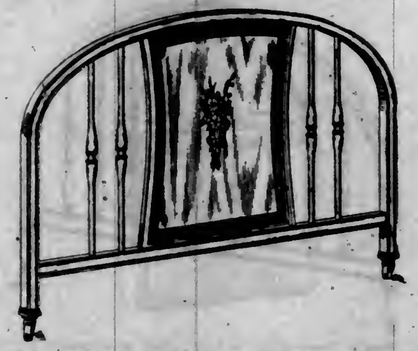
The ornamental design for a shoe, substantially as shown.

72,732. TIRE. WARD W. SIGLER, Akron, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 23, 1927. Serial No. 20,855. Term of patent 14 years.



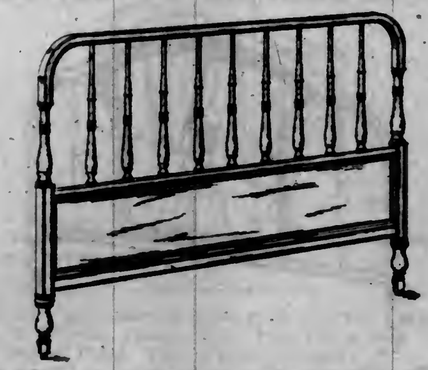
The ornamental design for a tire, as shown.

72,733. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,825. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,734. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,826. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,735. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,827. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,736. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,829. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,737. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,830. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,738. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,831. Term of patent 7 years.



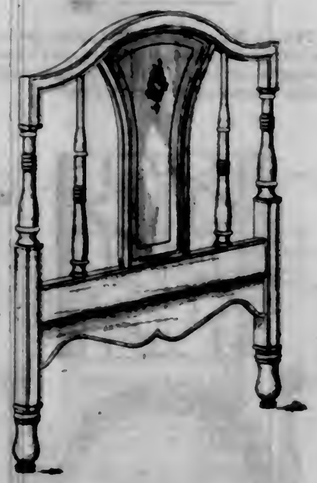
The ornamental design for a bedstead end frame as shown.

72,739. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,832. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,740. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1927. Serial No. 20,833. Term of patent 7 years.



The ornamental design for a bedstead end frame as shown.

72,741. LIGHTING-FIXTURE BRACKET OR ARTICLE OF SIMILAR NATURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Filed Mar. 17, 1927. Serial No. 21,170. Term of patent 3½ years.



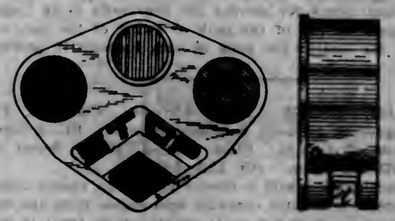
The ornamental design for a lighting fixture bracket or article of similar nature, as shown.

72,742. CHANDELIER OR ARTICLE OF SIMILAR NATURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Filed Mar. 17, 1927. Serial No. 21,171. Term of patent 3½ years.



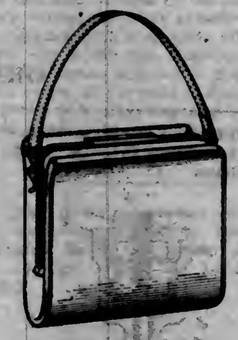
The ornamental design for a chandelier or article of similar nature, as shown.

72,743. AUTOMOBILE SIGNAL CASING. PAUL VONFELT, Hermosa Beach, Calif. Filed Aug. 23, 1926. Serial No. 18,814. Term of patent 14 years.



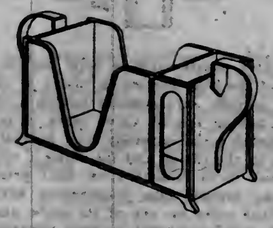
The ornamental design for an automobile signal casing, substantially as shown.

72,744. LADY'S HAND BAG. MORRIS WHITE, New York, N. Y. Filed May 8, 1926. Serial No. 17,610. Term of patent 14 years.



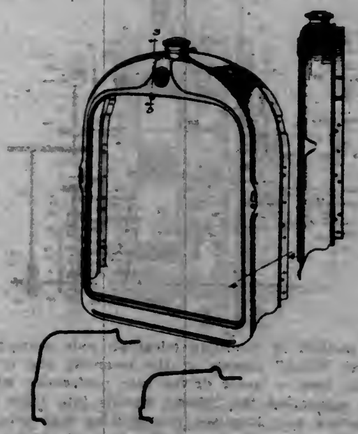
The ornamental design for a lady's hand bag as shown.

72,745. COMBINED MATCH HOLDER AND CIGARETTE CONTAINER. WALTER GEORGE WOLFORD, Cliffside, N. J. Filed Feb. 11, 1927. Serial No. 20,700. Term of patent 14 years.



The ornamental design for a combined match holder and cigarette container, as shown.

72,746. AUTOMOBILE RADIATOR CASING. ERNEST W. SEAHOLM, Detroit, Mich. Filed Dec. 8, 1924. Serial No. 11,611. Term of patent 14 years.

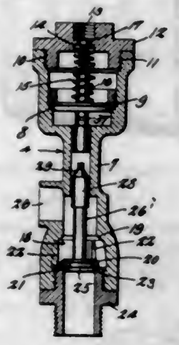


The ornamental design for an automobile radiator casing as shown.

PATENTS

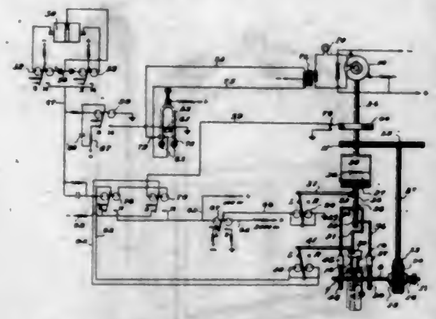
GRANTED MAY 24, 1927.

1,629,465. DRAIN VALVE. ANTISTENE ABBAMONTE, Cheyenne, Wyo. Filed Oct. 18, 1922. Serial No. 595,311. 3 Claims. (Cl. 121—134.)



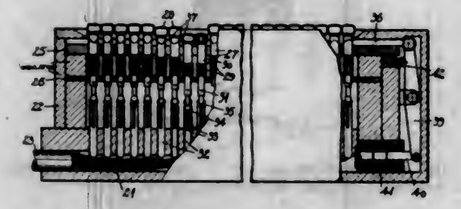
3. In a valve construction, a body portion, a cylinder at one end of the body portion, a casing at the other end of the body portion, said cylinder having a shoulder, and said casing having spaced valve seats, a piston in the cylinder adapted to be normally held against said shoulder, a valve in the casing and including a valve rod, said valve adapted to be unseated by fluid pressure in the casing, spring pressed pins cooperating with the valve rod to hold the valve on one of its seats, and means for adjusting the tension of the springs to regulate the action of the pins.

1,629,466. RECEIVING PERFORATOR. HERBERT ANGEL, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed July 21, 1925. Serial No. 45,002. 7 Claims. (Cl. 178—63.)



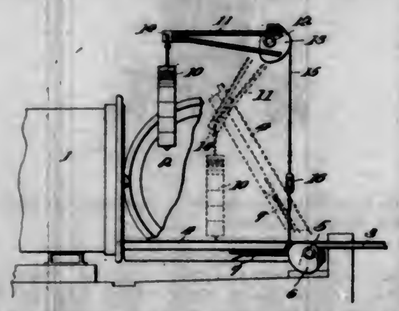
1. The method of recording telegraph code characters, received as "block" signals at the receiving end of an ocean cable upon a motor driven tape perforator, which comprises separating the "block" signals into their several component unit impulses, transmitting said unit impulses in sequence to the tape perforator and causing the received signals to control the speed of the driving motor to thereby maintain the perforator in synchronism with the signals.

1,629,467. ELECTRIC SIGN. FULGENCIO ARCHILA, Bogota, Colombia. Filed Apr. 3, 1924. Serial No. 703,901. 2 Claims. (Cl. 200—16.)



1. A controller comprising spring-retracted plungers, members for the frictional engagement of said plungers and arranged to frictionally hold the plungers in engagement therewith, and bars extending across said plungers and slidable longitudinally, said bars having individual cams to contact with the plungers, and the bars being so arranged with reference to the plungers that when the bars are slid longitudinally the cams thereof contact with the plungers and forcibly retract the plungers from said members.

1,629,468. RAIL-LIFTING DEVICE. HAROLD E. AUSTIN, Louisville, Ky., and JESSE C. COOK, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky., a Corporation of Indiana. Filed Aug. 29, 1923. Serial No. 660,026. 8 Claims. (Cl. 104—131.)

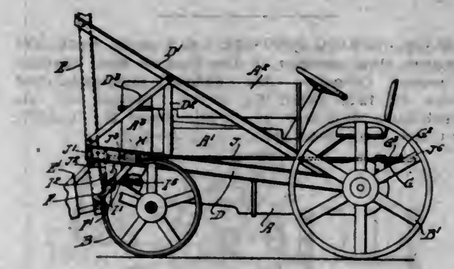


1. In combination with a timber-treating cylinder, a swingingly mounted door thereon, and stationary track rails, and means for moving the door rails to an inoperative position out of the path of swing of the door and means for locking the rails in such inoperative position.

1,629,469. CRANK. MARK ANTHONY, Clermont, Fla., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed June 1, 1925. Serial No. 33,879. 1 Claim. (Cl. 123—185.)

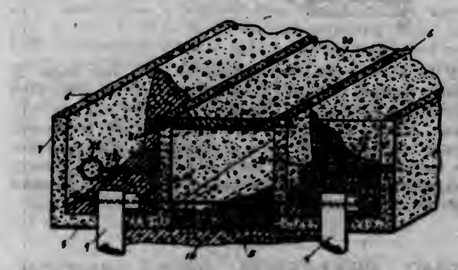
In combination with a tractor having an engine mounted thereon, means for cranking said engine from the rear, said means including a shaft running from front to rear, said shaft mounted for rotary and longitudinal movement, and carrying at its forward end a pinion and at its rear end a crank handle, and means for holding the

shaft against movement in combination with a stub shaft carrying a sprocket wheel adapted to be driven from the pinion, a chain for driving the stub shaft from the



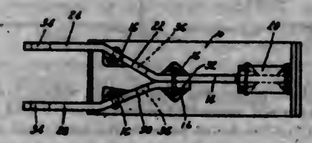
pinion, said stub shaft having upon one end means for engaging the engine to turn it over, the crank shaft adapted to be moved rearwardly whereby the stub shaft is moved into engagement with the engine shaft.

1,629,470. MARINE WALL CONSTRUCTION. JOHN P. BALL, Chicago, Ill. Filed Nov. 28, 1924. Serial No. 752,669. 7 Claims. (Cl. 61—46.)



1. In a marine wall construction involving piling, complementary precast reenforced concrete units, each consisting of a bottom and one side wall, the units being disposed on opposite sides of the piling with their bottoms arranged in abutting relation with opposite sides of said piling, and means intermediate of the side walls of the two units and disposed transversely of the piling whereby the complementary units are yieldingly secured together.

1,629,471. REENFORCED BRAKE SHOE. VINCENT BENDIX, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1926. Serial No. 114,354. 10 Claims. (Cl. 180—250.)



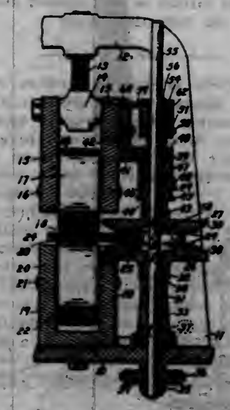
5. A brake shoe comprising, in combination, an outer cylindrical member substantially rectangular in cross section, and an arcuate stiffening member engaging and welded to the inner face of the outer member along its outer edge, the two members forming a T-section shoe, the stiffening member being deflected to one side of the center of the shoe near one end of the outer member and then continued beyond the outer member to form a projecting arm, together with a separate stiffening member secured at one end to the first stiffening member where it is deflected and thence deflected in the opposite direction from the center of the shoe and continued beyond the outer member as a projecting arm spaced from the first arm, the outer member bridging across the inner end of said projecting arms to reenforce them.

1,629,472. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1926. Serial No. 102,106. 3 Claims. (Cl. 108—5.)



1. A car roof comprising carlines, purlins on top of said carlines and having notches in the tops thereof, roof sheets movably supported on the tops of said purlins and having their side margins formed into channels that rest in said notches but are normally spaced slightly from the walls thereof whereby said walls permit limited movement of the sheets but prevent excessive movement thereof.

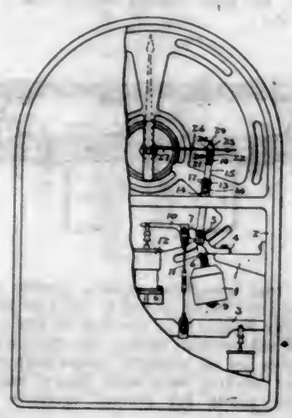
1,629,473. WIPER FOR STRIP-APPLYING MACHINES. EDWARD M. BRACKETT and FRED M. BRACKETT, Topeka, Kans. Filed June 21, 1926. Serial No. 117,624. 9 Claims. (Cl. 154—41.)



1. In a machine of the character described, a framework, a pair of rotary members, means for feeding an article with a strip in engagement therewith between said rotary members to compress said strip against said article, said framework having a portion movable relative to the remainder thereof to adjust said feeding means for

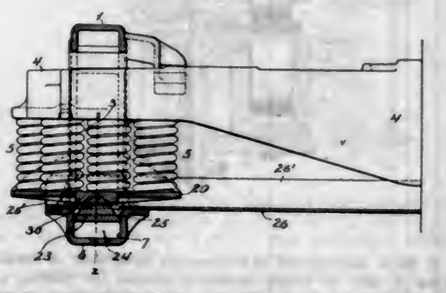
various thicknesses of articles, and means for rotating said rotary members substantially in unison comprising a pair of flexibly connected shafts, one of said shafts being mounted in the movable portion of said framework, a member on the movable portion of said framework mounted to rotate with said shaft and held against endwise movement on the movable portion of said framework and a member rotating with one of said rotary members and with said first mentioned member but axially movable relative thereto to connect said rotary member with said shaft.

1,629,474. SCALE-BEAM MECHANISM. GEORGE W. BRITTON, Hamilton, Ontario, Canada, assignor to James P. Steedman, Hamilton, Canada. Filed May 13, 1925. Serial No. 30,126. 3 Claims. (Cl. 265—62.)



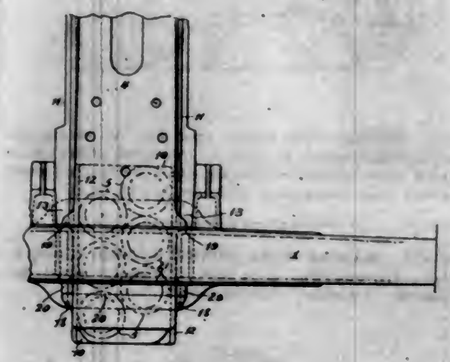
1. In a dial scale, the combination with the beam and a rotatable indicating finger, of a pendulum pivotally mounted, means connecting said pendulum with the beam, a bracket longitudinally adjustable on the pendulum, a member pivotally and slidably supported on said bracket, a rack adjustably carried in said member and operatively connected with the indicating finger.

1,629,475. SPRING SUPPORT. SAMUEL P. BUSH, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Original application filed Sept. 28, 1925, Serial No. 59,168. Divided and this application filed May 29, 1926. Serial No. 112,575. 4 Claims. (Cl. 105—208.)



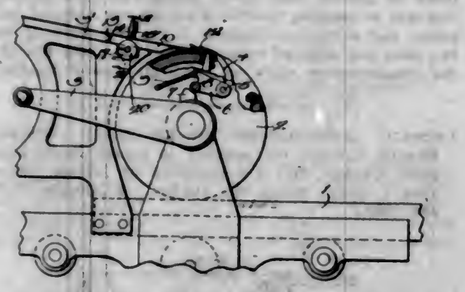
2. In a car truck, the combination of a side frame having a longitudinally extending pocket in its lower portion, a spring plank extending through the side frame and having an opening over the pocket in the frame, a saddle in the pocket rising through an opening in the spring plank, and a spring carrier extending over the opening in the spring plank and provided on its under side with a rocker engaging the saddle.

1,629,476. SPRING SUPPORT. SAMUEL P. BUSH, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Original application filed Sept. 28, 1925, Serial No. 59,168. Divided and this application filed May 29, 1926. Serial No. 112,577. 2 Claims. (Cl. 105—207.)



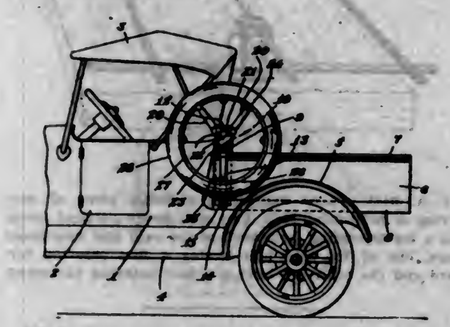
2. In a car truck, the combination of a side frame, a bolster engaged through the side frame and provided with spaced lugs on its sides, the inner lugs abutting the side frame, a group of springs supported in the side frame and supporting the bolster, and a U-shaped key passing across the bottom of the bolster and held thereto by the springs and having side portions fitting between the side frames and the outer lugs on the bolster.

1,629,477. SHEET FEEDER. ALFRED C. CHRISTOPHERSON, Chicago, Ill., assignor to Hacker Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 2, 1925. Serial No. 6,410. 4 Claims. (Cl. 271—59.)



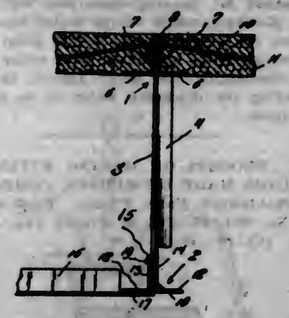
1. In a sheet feeder, the combination with a feed board; of a rotatable rod assembled with the board and arranged transversely of the board beneath the latter and accessible for operation at one side of the board; and a side guide at the opposite side of the board and in threaded connection with the rod and extending above the board within the side limits of the latter, whereby the rod, upon being turned, causes the side guide to be moved transversely of the board, there being a scale upon one of these latter two elements arranged transversely of the board and a cooperating index upon the other of these two elements to indicate the extent to which the side guide is moved by the rod transversely of the board.

1,629,478. TIRE CARRIER. WILLIAM F. CLARK, Wollaston, Mass. Filed June 17, 1926. Serial No. 116,565. 2 Claims. (Cl. 224—29.)



1. In combination with the wing body of an automobile truck, a brace extending approximately from the inner bottommost edge of said body upwardly and over the wing and having a vertical arm thereon at its upper end, a second brace extending approximately from the outer bottommost edge of said body outwardly and upwardly and terminating in a vertical arm, a tire carrier comprising a plurality of tire supporting arms, a clamp for said tire supporting arms, said clamp being secured to the vertical arms of said braces.

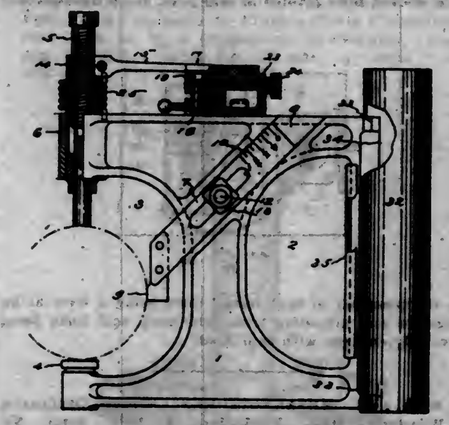
1,629,479. METAL JOIST. JAY DEVON CONNS, Huntington, W. Va. Filed May 6, 1926. Serial No. 107,135. 3 Claims. (Cl. 189—37.)



1. In a structure of the class described, upper and lower chords and connecting means therebetween, the upper chord comprising a pair of angle irons arranged in side by side relation with the vertical flanges disposed in spaced parallelism and the upper ends of the flanges directed outwardly into diverging relation.

1,629,480. MICROMETER CALIPER. PHILIP J. DARLINGTON, Brookline, Mass. Filed Sept. 28, 1925. Serial No. 59,028. 13 Claims. (Cl. 33—147.)

1. A micrometer caliper comprising a threaded adjustable measuring member, an indicating member clamped thereon and normally rotatable therewith, and means adapted to engage said member and coincidentally loosen said indicating member from the measuring member and hold it stationary during the adjustment of the measuring member.



1,629,481. WIRE BRUSH. WILLIAM W. DAVIDSON, Springfield, Ohio, assignor to The Ridgely Trimmer Company, Springfield, Ohio, a Corporation of Ohio. Filed May 4, 1925. Serial No. 27,734. 2 Claims. (Cl. 15—197.)

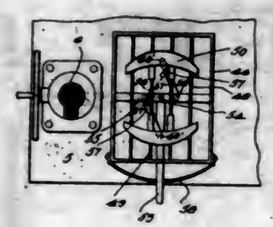


1. In a device of the character described, the combination of a cylindrical supporting member, said supporting member being provided at one end with an inclined surface and also provided with an intermediate shoulder, a rod-like holding member of metal having one end formed for engagement with said shoulder and the other end provided with a hook-shaped portion to receive tufts of wire, the free end of said hook-shaped portion being engageable with said inclined surface, and a sleeve member slidably mounted upon said supporting member and embracing said holding member and extending beyond the inclined end of said supporting member to embrace a portion of the tufts of wire.

1,629,482. CLAMPING MECHANISM FOR CAN OPENERS. STEVE A. DAVIS, Detroit, Mich. Original application filed Oct. 8, 1925, Serial No. 61,256. Divided and this application filed Feb. 12, 1926. Serial No. 87,887. 1 Claim. (Cl. 81—3.3)

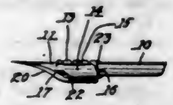
Clamping mechanism for a machine of the class described including a rectangular frame having a cross

bar, a pair of bars extending longitudinally of said frame, sleeves slidable on said bars, curved jaws mounted on said sleeves, links pivoted to said jaws, and a head pivoted



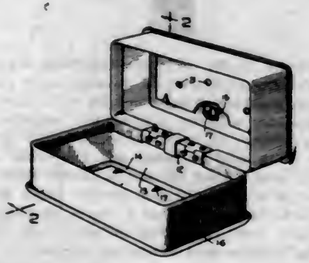
to the cross bar of said frame, there being a lever at an angle to and extending from said head, said links being pivotally engaged with said head.

1,629,483. RESERVOIR PEN. SABATO DELLAGALA, Worcester, Mass. Filed June 9, 1926. Serial No. 114,811. 2 Claims. (Cl. 120—114.)



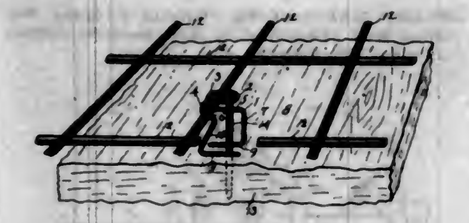
1. The combination with a pen having a raised surface across the back provided with a series of transverse perforations and having ribs extending therefrom to the edges of the pen at the rear, said pen having longitudinal slots at its forward slanting edges, of a reservoir for the pen comprising a substantially cylindrical body having an opening at its top for transmitting ink to the concave surface of the pen and having two opposite projections for fitting in the first-named slots to hold it in position and containing a filling of cotton fibre or other absorbent material to hold the ink therein.

1,629,484. BOX. JULIUS B. DE MESQUITA, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Apr. 6, 1925. Serial No. 21,029. 7 Claims. (Cl. 220—23.)



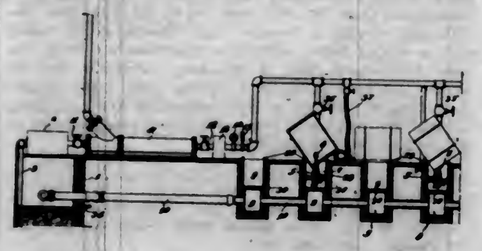
1. In a device of the character described, a plurality of superposed members, one member having portions struck up therefrom, an intermediate member having openings so positioned and dimensioned as to permit said struck-up portions to be passed therethrough, and another member having portions extending over said openings, whereby the struck-up portions can be bent down upon the portions last named.

1,629,485. HOLDING CLIP FOR CONCRETE REENFORCEMENT. CLARENCE L. DEWEY, Michigan City, Ind., assignor to Cement-Gun Company, Inc., Allentown, Pa., a Corporation of New York. Filed Dec. 26, 1923. Serial No. 682,737. 6 Claims. (Cl. 72—122.)



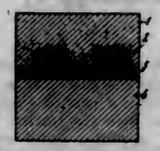
1. A mesh spacer comprising a single piece of wire having a horizontal loop, two contiguous vertical loops, and a leg depending from each of the said last mentioned loops, one of the said legs having a foot pointing forward and the other leg having a foot pointing backward.

1,629,486. METHOD FOR CLEANING CONTAINERS. DANIEL A. DOUGHERTY, Philadelphia, Pa. Filed Apr. 13, 1925. Serial No. 22,575. 2 Claims. (Cl. 141—6.)



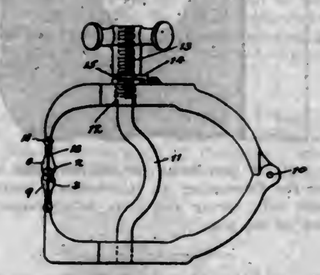
1. A method for cleaning containers with water consisting of placing pressure on the water, heating it to a temperature not exceeding its boiling point under said pressure but exceeding its boiling point under atmospheric pressure, discharging the water against the container, and conveying the discharge water to be placed under pressure again.

1,629,487. PROCESS OF MAKING PAVING BLOCKS AND SLABS MADE OF RUBBER COMPOUND. EDMOND DRAULLETTE, Paris, France. Filed Jan. 4, 1924, Serial No. 684,446, and in France Jan. 8, 1923. 4 Claims. (Cl. 18—48.)



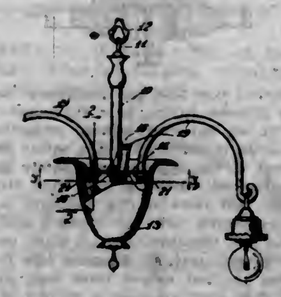
1. A process for the manufacture of paving slabs, comprising forming a plastic mass of rubber and a vehicle, forming several slabs of varying composition by incorporating into said plastic mass a vulcanizing agent and different amounts of mineral filler, arranging said slabs in successive layers, the upper layer containing the smallest quantity of mineral filler, and the bottom layer containing the largest quantity of mineral filler, heating said pile of slabs under pressure to form a unitary slab of desired shape.

1,629,488. HOLDING DEVICE. WILLIAM HAMILTON DUNNE, Toronto, Ontario, Canada. Filed Nov. 14, 1925, Serial No. 69,118, and in Canada Sept. 26, 1925. 1 Claim. (Cl. 51—228.)



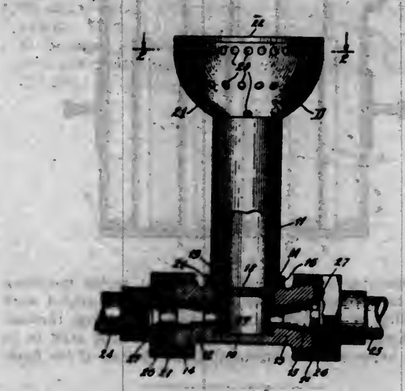
A device of the class described embracing a pair of jaw members the outer faces of which are solely arc-shaped; hinged clamp members the inner surfaces of which are shaped to receive the outer arc-shaped faces of the said jaw members to provide bearings therefor; external vertically-disposed wire rods having each a horizontal portion extending into longitudinal holes opening through each end of each of the said jaw members; means whereby the vertical portions of said wire rods are coupled each to its associated clamp member, and means whereby one of said clamp members is moved around its hinge to permit of the opening and closing of said jaw members.

1,629,489. LIGHTING FIXTURE. ANTON DVORAK, Berwyn, Ill., assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed May 26, 1924. Serial No. 715,844. 2 Claims. (Cl. 240—78.)



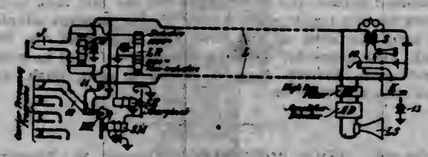
1. In a lighting fixture, a main supporting rod, an apertured plate or disc adapted to be secured to said rod, said plate or disc being provided with elongated radially arranged slots, one end of each slot being enlarged, lamp supporting arms, each having an end adapted to pass through the enlarged end of one of said slots, said arms having reduced portions adjacent to said ends to permit said end of the arm to slide into the restricted portion of the elongated slot.

1,629,490. MIXER AND DISTRIBUTOR FIRE-EXTINGUISHING APPARATUS. ORLANDO R. ERWIN, Forest Hills, N. Y., and WILLIS D. WITTER, Roselle Park, N. J., assignors to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 9, 1922. Serial No. 527,880. 1 Claim. (Cl. 169—37.)



A distributor fitting for foam-type fire extinguishing systems adapted for uniformly distributing foam in places having a limited headroom, comprising a closed chamber, one end of said chamber constituting a distributing space and being provided with a plurality of individual, distributively-spaced jet orifices, said orifices being relatively restricted with reference to the flow capacity of said chamber and adapted to produce individual horizontal jets, the opposite end of said chamber being provided with two solution-pipe connection means constituting the support of said structure, and the length of said chamber being short enough to insure some solution liquid, as distinguished from foam, being delivered through said orifices, whereby the jets are squirted to a distance many times the length of said chamber.

1,629,491. PROGRAM-SELECTING CIRCUITS. CHARLES H. FETTER, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,723. 10 Claims. (Cl. 179—2.)



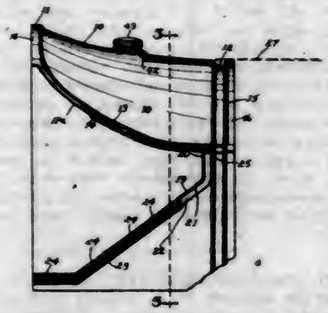
1. In a program transmitting system, a subscriber's telephone line terminating in subscriber's telephone apparatus comprising the usual transmitter, receiver and switch hook at the subscriber's station, switching means at the central office whereby a connection may be established between said subscriber's line and another subscriber's line, a plurality of trunks at the central office upon which programs may be impressed, a directive switch independent of said first mentioned switching means at the central office, said directive switch being controlled by means at the subscriber's station when the receiver is on the switch hook for establishing a connection between said line and any desired trunk to the exclusion of other trunks.

1,629,492. METHOD AND APPARATUS FOR MAKING SASH-WEIGHT MOLDS. JOHN J. FLEMING, Vineland, N. J. Filed Aug. 27, 1925. Serial No. 52,721. 6 Claims. (Cl. 22—102.)



2. Apparatus for making sash weight molds including a flask having an open top and a bottom provided with a plurality of openings, and patterns extending through the openings into the flask, thereby permitting sand to be rammed between the patterns through the top of the flask.

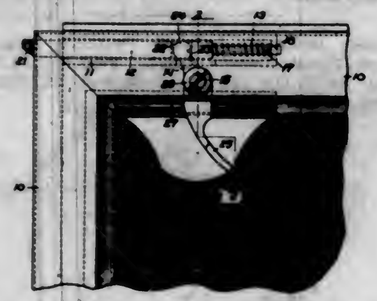
1,629,493. AUTOMOBILE BODY CONSTRUCTION. HENRY FORD, Dearborn, Mich. Filed Aug. 18, 1926. Serial No. 129,973. 3 Claims. (Cl. 280—5.)



1. In a combined cowl and fuel tank construction a top member adapted to form a top member for a cowl and a fuel tank, a second member designed to form a combined bottom and end member for the fuel tank and a brace for the top member, a pair of side members adapted to form the sides of the cowl and to support the fuel tank, and means for securing the edges of said members together to thereby form a combined cowl, dash, and fuel tank construction.

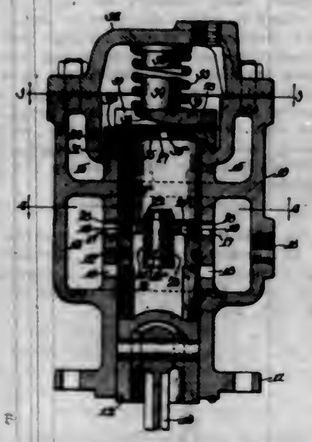
1,629,494. BOLT MOUNTING. GEORGE H. FORSYTH, Chicago, Ill., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill., a Corporation of Illinois. Filed July 21, 1924. Serial No. 727,401. 6 Claims. (Cl. 292—173.)

1. In a bolt mounting, a tubular frame member, a tubular guide positioned in the frame member and provided at its rear end with a constricted aperture, a bolt slidably mounted in the guide and provided intermediate its ends with a transverse shoulder and at its rear end with a reduced extension slidably mounted in the aperture, a helical spring encompassing the extension and acting between the rear end of the guide and the rear end of the bolt to project the front end of the bolt from the guide, a lever passing through slots in one wall of the frame member and the guide and provided interiorly of the frame member with an end portion for lateral engagement with the bolt and exteriorly of the frame member with a handle for oscillating the lever to operate the bolt, and an exteriorly accessible pin removably mounted in



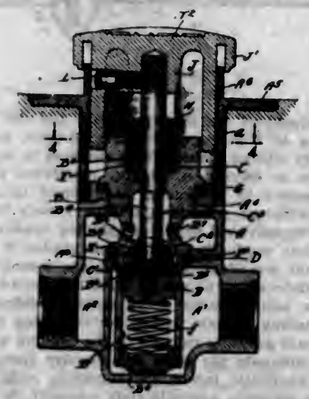
another wall of the frame in perpendicular relation to the lever for fulcruming an intermediate portion of the lever, said bolt, spring and lever being removable upon extraction of the pin.

1,629,495. FLUID-GAS COMPRESSOR. JULIUS FRANKENBERG, Milwaukee, Wis. Original application filed July 1, 1920, Serial No. 393,390. Divided and this application filed Sept. 13, 1924. Serial No. 737,566. 9 Claims. (Cl. 230—34.)



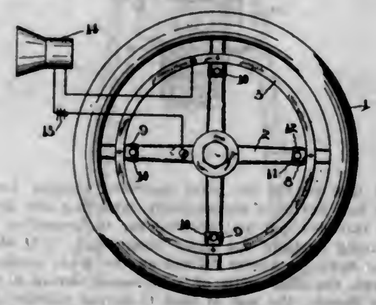
2. In a vertical type fluid gas compressor, the combination with a cylinder having near the upper end of its bore or cavity an upwardly tapered projection forming a narrow concentric valve seat, of a safety head resting upon said seat of the cylinder, said safety head having a depending tapered concentric projection fitting removably upon the said valve seat, a discharge port in said safety head concentric with the cylinder and said head, said discharge port terminating at its upper end in a narrow concentric valve seat, an elongated thin flexible plate valve covering the last named valve seat, at least one flexible thin steel plate covering a portion of said elongated plate valve to reinforce the same, a guard member secured to said safety head and clamping the outer ends of said plate valve and said reinforcing member between said guard member and said safety head, said guard member having a curved portion located above but spaced from said plate valve and said reinforcing member to limit the lift of said valve and to provide proper tension for the same, a heavy coil spring between said guard member and the cylinder head to hold the entire discharge valve mechanism upon the said tapered projection of the cylinder, a piston operatively located in said cylinder and having a cavity, said cylinder provided in the face of one of its ends with a plurality of suction ports, a thin flexible plate valve seated on the face of the piston and covering said ports, a valve stem centrally and movably located in said valve plate and piston end and having at its outer end a knob holding said valve plate upon its seat, said knob being tapered on its lower surface to facilitate the flexibility of said plate valve, said knob being tapered on its upper surface to fit in the discharge port of said safety head, a guide for said stem located centrally in said end of the piston and extended through said plate valve, a head on the lower end of said stem for the purpose of limiting the lift of said valve plate, and a coil spring surrounding said stem between its said head and the aforesaid end of the piston to flexibly hold the plate valve upon its seat.

1,629,496. FOOT-ACTUATED VALVE. JAMES FRASER, Edgemoor, Del., assignor to Speakman Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 23, 1922. Serial No. 538,444. 5 Claims. (Cl. 251—138.)



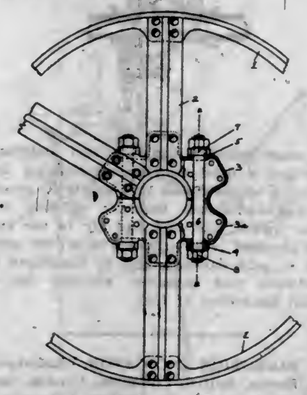
1. A foot valve comprising a valve casing and adapted to be imbedded in a floor and formed with an outwardly extending flange at the floor level and with a cylindrical portion projecting above said flange and open at its upper end, and a movable valve actuating member mounted in said casing and covering said upper end portion of said casing and comprising a depending cylindrical skirt portion which surrounds said upper end portion of the casing.

1,629,497. SWITCH. WILLIAM J. FRASER, Toronto, Ontario, Canada. Filed Jan. 24, 1924. Serial No. 688,321. 2 Claims. (Cl. 200—59.)



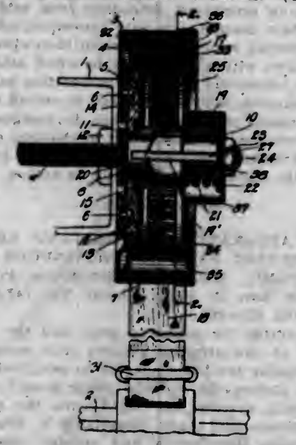
1. The combination with a steering wheel spider having radial arms, of a metal ring having a plurality of metal plungers secured thereto; insulating members adapted to slidably receive the plungers; and plates forming fixed contacts secured to said members and adapted to be engaged by the plungers, the said plates being formed of sheet metal and having integral lugs formed thereon extending parallel to the arms of the spider; and an adjustable clamping device connected to each lug and adapted to embrace one of the arms of the spider.

1,629,498. HUB FOR SPLIT PULLEYS AND THE LIKE. HENRY J. GILBERT, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a Corporation of Michigan. Filed July 21, 1924. Serial No. 727,284. 3 Claims. (Cl. 64—18.)



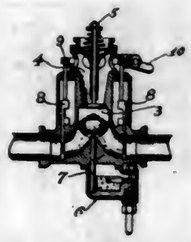
1. A pulley comprising a pair of hub members, said members having alined openings therein to provide parallel bolt passages disposed substantially at right angles to the axis of the hub, a raised boss at one end only of each passage, said bosses arranged alternately upon said hub members, and bolts passing through said passages.

1,629,499. SHOCK ABSORBER. CHRISTOPHER W. GILDEA and WILLIAM H. FRY, Kansas City, Mo.; Sarah E. Fry, widow of, and by decree of court owner of the property of, said William H. Fry, deceased. Filed Aug. 17, 1925. Serial No. 50,638. 6 Claims. (Cl. 267—10.)



1. A shock absorber comprising, in combination with fixed and rotatable brake disk members, an actuator in cam relation to the rotatable brake disk member, a recoil spring connected with the rotatable brake disk member, and means restraining the actuator, said means being yieldable to permit camming movement on the rotatable brake member.

1,629,500. ENGINE FUEL SYSTEM. JOHN GOOD, Brooklyn, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed Mar. 16, 1918. Serial No. 222,828. 19 Claims. (Cl. 123—52.)



1. In a multi-cylinder engine, a fuel distribution system comprising a fixed distributing chamber having an air entrance, a single liquid fuel nozzle disposed in said chamber, and individual passages opening from said chamber to conduct the fuel and air to the engine cylinders, said chamber being arranged to deliver unsuspended liquid fuel to said passages and to distribute the same equally between said passages, whereby the cylinders receive equal quantities of fuel.

1,629,501. DIRECTION INDICATOR. ABRAHAM FRAHAT HADDAD, Fernie, British Columbia, Canada, assignor to Rosie Haddad, Cranbrook, British Columbia, Canada. Filed July 30, 1923. Serial No. 654,714. 3 Claims. (Cl. 177—329.)

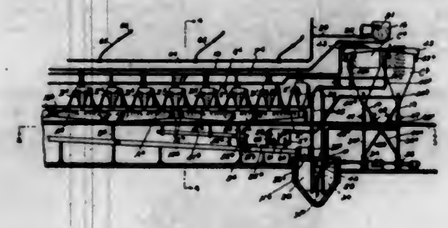


2. A direction indicator of the character described including, in combination, an electric motor; a casing; a rod carrying an arrowhead, extendible from said casing; flexible members connected to said arrowhead adapted to form an indicating arrow in connection therewith; spring tensioned rollers within said casing to which said flexible members are connected; means for cooperating said motor with said indicating arrow mechanism to extend the same from said casing when said motor is energized; and means for receding said indicating mechanism after the same has extended a predetermined distance from said casing and the current to said motor is broken.

1,629,502. APPARATUS FOR GRADING ABRASIVE AND APPLYING SAME TO CONTINUOUS GRINDING SYSTEMS. HALBERT K. HITCHCOCK, Pittsburgh, Pa. Filed Nov. 3, 1924. Serial No. 747,582. 27 Claims. (Cl. 51—264.)

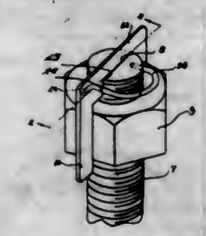
1. In apparatus for surfacing glass and the like, the combination of two grinding systems each comprising a series of grinding machines adapted to progressively and successively surface the material being ground, separate abrasive supply systems associated with the respective grinding systems and each comprising a plurality of liquid-suspension distributing and storage vessels, separate constantly operative means with each system to supply each of said vessels with graded abrasive, and connections for supplying each grinding machine with abrasive from a distributing vessel of its own series and from a distributing vessel of the other series.

13. In apparatus for surfacing glass and the like, by a series of continuous operations, the combination of a series of grinding runners arranged to act in succession on a sheet to be surfaced, grading apparatus comprising a primary grader and a series of secondary graders for dividing an abrasive in suspension in a liquid into various grades ranging from coarse to fine, means for conducting progressively finer grades of abrasive to successive grinding runners, whereby the successive runners produce a progressively finer and finer surface on the sheet, and means for supplying sufficient new abrasive to maintain approximately constant the various grades in the primary grader.



23. In apparatus for surfacing glass and the like, the combination of a series of grinding runners, means for continuously moving a sheet to be surfaced to said grinding runners in succession, grading apparatus for dividing an abrasive in suspension in a liquid into various grades, a series of secondary grading vessels located at intervals adjacent said series of grinding runners, means for separately conducting the various grades to different ones of said secondary grading vessels, means for separately withdrawing the grades from the secondary grading vessels and conducting the same to different ones of said grinding runners, means for returning the drainage from said grinding runners to the grading apparatus, means to eliminate the worn out abrasive from the system, and automatic means for supplying sufficient new abrasive to maintain approximately constant the quantity of abrasive in the primary grader.

1,629,503. LOCK NUT. FRANK HOFFMAN, Detroit, Mich. Filed Dec. 13, 1926. Serial No. 154,437. 3 Claims. (Cl. 151—27.)



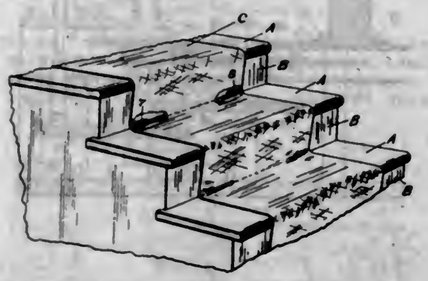
1. A lock nut of the class described adapted for use with a bolt having a diametrically extending slot formed on its threaded end and adapted for the reception of a nut having opposite flat faces, comprising: a U shaped member having a recess formed on the inner surface of its bight, the edge walls of said recess having a notch formed therein, the legs of said U shaped member being adapted for positioning in engagement with opposite faces of said nut and said bight engaging in said slot; and a separable pin adapted for driving into said notch engaging between threads of said bolt for preventing removal of said U shaped member therefrom.

1,629,504. METHOD OF MAKING VALVES. LORENZ IVERSEN, Pittsburgh, Pa. Filed Jan. 23, 1924. Serial No. 687,971. 10 Claims. (Cl. 29—157.)



1. The method of making valves, which comprises cupping a blank to form a peripherally extending flange thereon, inserting the end convolution of a spring into position within said flange, and then bending the flange inwardly around said convolution, substantially as described.

1,629,505. STAIR-CARPET FASTENER. HAGOP A. JAMGOTCH, Minneapolis, Minn. Filed July 20, 1926. Serial No. 123,745. 5 Claims. (Cl. 16—12.)



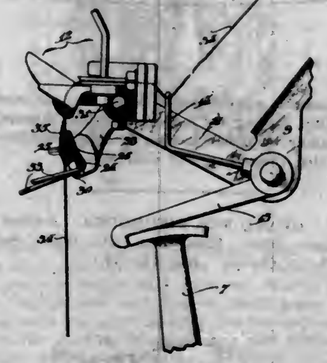
1. A device of the character described including a pair of anchor members adapted to be secured to a stair, and a pair of clasps adapted to be secured in a carpet and for engagement with said anchor members, one of said anchor members having a spring tending to spread the clasps apart.

1,629,506. CATOPTRIC LIGHT. HANS C. JENSEN, Port Clinton, Ohio. Filed Oct. 7, 1925. Serial No. 61,086. 2 Claims. (Cl. 240—1.)



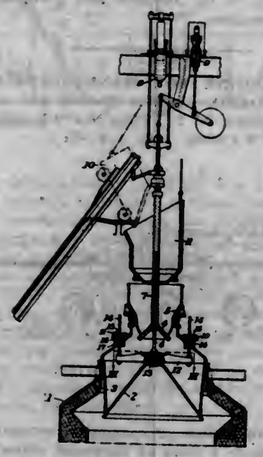
1. In an illuminating structure of the class described, a support including a cross beam at its top provided with a bearing, a shaft journaled for rotation in said bearing and depending below said beam, a circular plate carried by said shaft, a plurality of circumferentially spaced mirrors carried by the peripheral portion of said plate, brace rods connecting said mirrors together, and means for rotating said mirrors about a single source of illumination.

1,629,507. TANGLE ARRESTER FOR CONING MACHINES. EDWARD J. KELLY, Chester, Pa. Filed Oct. 14, 1925. Serial No. 62,387. 3 Claims. (Cl. 28—64.)



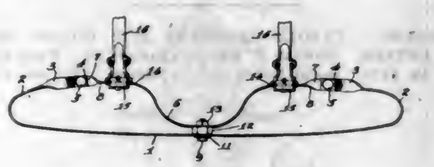
1. A tangle arrester including an arm having an aperture through one end whereby it may be adjustably mounted on a coning machine, a clamping plate removably secured to the other end of the arm, a holder clamped between the plate and the end of the arm, and a back, having a plurality of pins extending therefrom, secured to the holder.

1,629,508. BLAST FURNACE. JULIAN KENNEDY, Pittsburgh, Pa. Filed July 2, 1925. Serial No. 41,049. 3 Claims. (Cl. 214—36.)



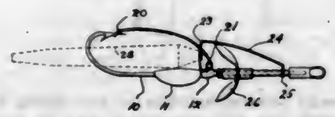
1. In combination with a blast furnace having a big bell and its hopper, and laterally adjustable means carried by the hopper for guiding and centering the big bell.

1,629,509. AUTOMOBILE BUMPER. ROBERT W. KIRK, Adrian, Mich., assignor to American Chain Company, Inc., a Corporation of New York. Filed Aug. 28, 1925. Serial No. 53,015. 7 Claims. (Cl. 293—55.)



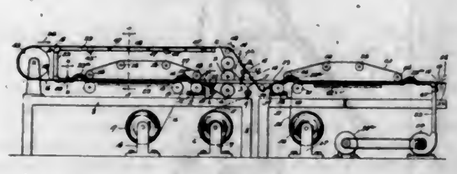
1. A bumper comprising a metal bar of rectangular cross-section, having its largest sectional dimension in a vertical plane, said bar having integral attachment portions twisted through ninety degrees.

1,629,510. GUARD FOR FISHHOOKS. JOSEPH KLIPEC, Cleveland, Ohio. Filed Nov. 21, 1924. Serial No. 751,212. 2 Claims. (Cl. 43—38.)



2. In combination, a fish hook having a shoulder thereon, a sleeve rotatable on the shank of the hook, said shoulder being adapted to limit movement of the sleeve longitudinally of the hook, a spinner on said sleeve, a weed guard carried by the sleeve and embodying a strip of flexible wire shaped in the form of a loop, said loop engaging beneath the point of the hook when in closed position and said guard having a portion thereof projecting forwardly of the shoulder and providing a weed guard for the spinner.

1,629,511. MACHINE FOR MANUFACTURING CORRUGATED BOARD. JOSEPH KRAMER and ALBERT H. ISRAEL, New York, N. Y. Filed Nov. 17, 1923. Serial No. 675,288. 8 Claims. (Cl. 154—31.)

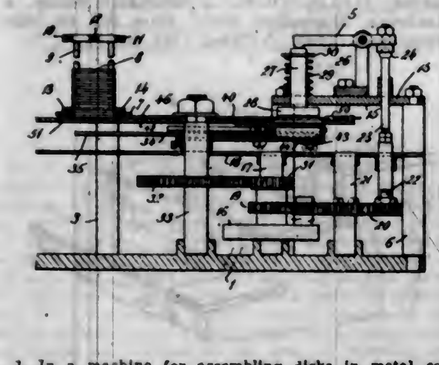


1. In the manufacture of composite corrugated board, means to corrugate a sheet of moistened material, means to direct a current of drying air on to the moist corrugated sheet, means to apply an adhesive to the crowns of the thus dried corrugations, means to apply a plain sheet of material to the adhesive coated crowns, and means to direct a current of drying air through the channels formed by the corrugations.

1,629,512. PROCESS FOR THE PRODUCTION OF COFFEE FREE FROM CAFFEINE. FRITZ KÜNDIG, Wallisellen, near Zurich, Switzerland. Filed May 1, 1925, Serial No. 27,318, and in Switzerland May 6, 1924. 2 Claims. (Cl. 99—11.)

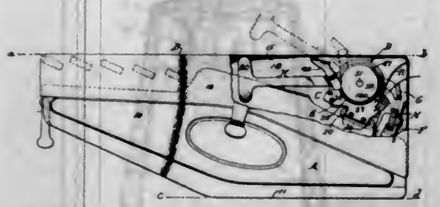
1. Process for the production of coffee free from caffeine, consisting in subjecting whole coffee beans to a pressure of about 15 atmosphere in the presence of a solvent for caffeine.

1,629,513. APPARATUS FOR INSERTING INSULATING DISKS IN METAL CAPS. LOUVERN G. LANOE, Passaic, N. J. Filed Jan. 27, 1925. Serial No. 5,151. 8 Claims. (Cl. 113—80.)



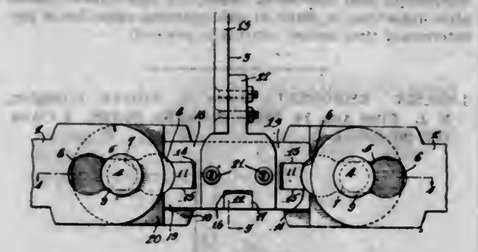
1. In a machine for assembling disks in metal caps, a rotary actuating shaft, a member mounted on said shaft for feeding the caps to the assembling position, a second member also mounted on said shaft and rotating unitarily with said first named member for feeding the disks to the assembling position and a plunger at the assembling position for forcing the disks into the caps.

1,629,514. TYPEWRITING MACHINE. EMMIT G. LATTA, Syracuse, N. Y.; First Trust and Deposit Company, administrator of said Emmit G. Latta, deceased, assignor to Underwood Typewriter Company, a Corporation of Delaware. Filed Mar. 18, 1920. Serial No 366,807. 21 Claims. (Cl. 197—186.)



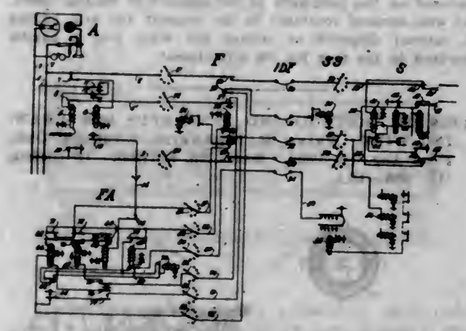
1. In a typewriting machine, a rotary platen provided with a journal which is movable longitudinally toward and from the end of the platen, and a carriage having an end part provided with a bearing for the journal and with a slot opening out of the bearing through which the journal can pass sidewise into and out of the bearing when the journal is adjusted longitudinally to a predetermined abnormal position, relatively to said platen.

1,629,515. CHAIN CONVEYER. LEWIS LOMANDO, Hazleton, Pa. Filed July 15, 1926. Serial No. 122,551. 8 Claims. (Cl. 198—175.)



1. In a chain conveyer, a link; a pair of opposed carrier attaching members mortised to the opposite sides of the link, said members being substantially flush with the outer sides of the link, and a carrier secured to the members.

1,629,516. TELEPHONE SYSTEM. FRED T. MADSEN, Maywood, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,506. 20 Claims. (Cl. 179—18.)

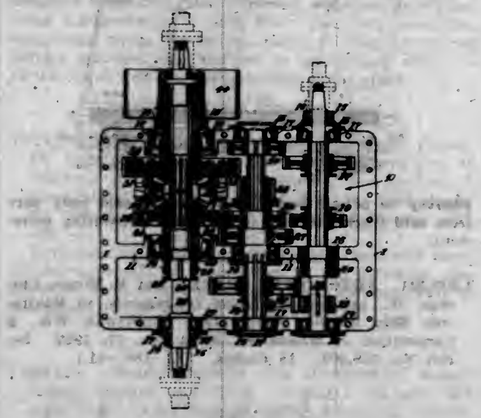


1. In a telephone system, lines, means including a plurality of backward hunting finder switches and a like number of forward hunting non-numerical switches for extending said lines when calling, said switches being connected together in pairs, each pair consisting of one backward hunting switch and one forward hunting switch, each of said switches having a stepping magnet and an operating circuit therefor, an allotter, means responsive to a call on one of said lines for operating said allotter to directly close the circuit of the stepping magnet of an idle finder to start it hunting for the calling line and to directly close the circuit of the stepping magnet of the associated forward hunting switch to start said forward hunting switch also.

1,629,517. METHOD OF MAKING TIRE CASINGS. THOMAS C. MARSHALL, Mount Savage, Md. Filed Aug. 29, 1922. Serial No. 585,070. 7 Claims. (Cl. 154—14.)
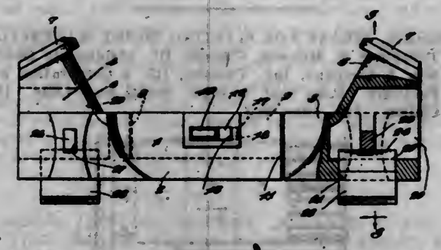
1. The method of constructing a tire casing comprising the following steps: (a) sheeting a chemically toughened vulcanizable compound, (b) primarily heat treating the sheeted stock, (c) striating the surface of the primary heat treated stock in the direction of the sheeted grain, (d) bias cutting, and surfacing the stock with a vulcanizable unifying binder, (e) assembling the stock with the strips in obliquely disposed arrangement into casing form in superposed plies, (f) curing the assembled structure.

1,629,518. POWER-TRANSMITTING MECHANISM. DANIEL H. MARTIN, Los Angeles, Calif. Filed July 21, 1924. Serial No. 727,205. 1 Claim. (Cl. 74—57.)



A variable speed gearing including a gear case, drive, counter, and split driven shafts all rotatably mounted therein, gears carried by said drive and counter shafts for selective engagement, said counter shaft gears including a pair of gears one keyed to slide thereon and one free to rotate on the shaft to interlock with said sliding gear, a differential gearing connecting the ends of the split driven shaft and including a housing rotatable on said shafts, a pair of gears carried by the differential gear housing, and with one of which said freely rotatable counter shaft gear is in engagement and with the other of which said sliding gear selectively engages.

1,629,519. TRACTION SHOE. JOHN MESSNER, Calumet, Mich. Filed May 11, 1925. Serial No. 29,505. 3 Claims. (Cl. 301—44.)

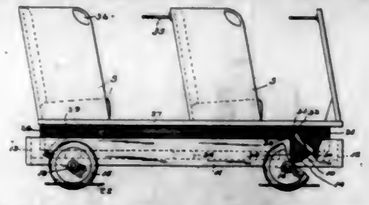


3. In combination, a traction shoe including a body defining opposite hollow end portions and elongated openings in communication with the interior of the hollow end portions, and calks adapted for passage within the hollow end portions for projection through the openings, said calks having wedge shaped end portions and said opening having opposite corresponding side walls tapered upwardly and outwardly for cooperation with the wedge shaped end portions of the calks for retaining the calks from complete passage through the openings, and means extending transversely of the hollow end portions and operatively associated with the calks for preventing self-displacement of said calks.

1,629,520. PLEASURE-RAILWAY STRUCTURE. JOHN A. MILLER, Homewood, Ill. Filed Nov. 27, 1925. Serial No. 71,580. 3 Claims. (Cl. 104—53.)

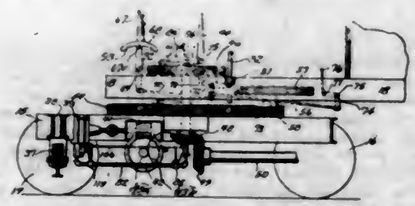
1. A car for pleasure railway structures comprising a truck part having track wheels and a body part having

passenger seats thereon, links connecting between said truck part and said body part, said links being slotted



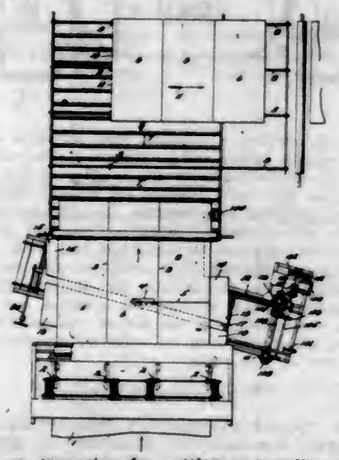
whereby to permit bodily separation of said body part from said truck part and to limit such separating movement.

1,629,521. AUTOMOTIVE CRANE. ROY S. MOORE, Chicago, Ill., assignor, by mesne assignments, to Manitowoc Ship Building Corporation, Manitowoc, Wis., a Corporation of Wisconsin. Filed Feb. 27, 1922. Serial No. 539,402. 18 Claims. (Cl. 180—81.)



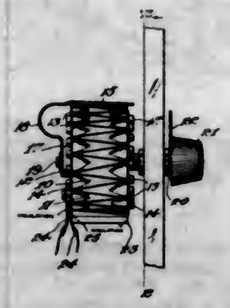
1. The combination with an automotive truck having a steering mechanism, a swing body pivotally related to the truck by a pivotal member and a steam boiler supported by the swing body, of a steam engine carried by the truck frame, and operatively related to said steering mechanism, a steam conduit passing from the boiler through the pivotal member to the engine, and means carried by the swing body for controlling the throttle of the engine.

1,629,522. MEANS FOR SLITTING SHEET MATERIAL. TREADWAY B. MUNROE, Chicago, Ill., assignor to Dahlberg & Company, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 4, 1925. Serial No. 54,528. 16 Claims. (Cl. 164—68.)



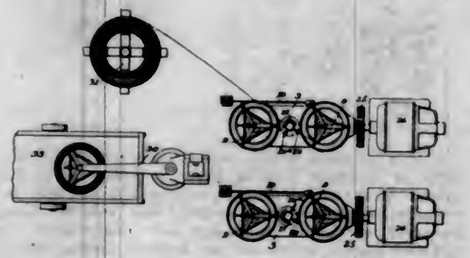
1. In an apparatus for cutting a traveling sheet of material the combination of means for propelling a cutter transversely of the line of travel of said sheet and at an angle thereto proportional to the relative speeds of said cutter and sheet; automatic means to cause said cutter to return to its starting point after its severing operation is completed; and automatic means to cause said cutter after returning to dwell at said starting point for a predetermined time before starting a new cut.

1,629,523. RHEOSTAT. JOHN A. NUGENT, Irvington, N. J. Filed Aug. 14, 1925. Serial No. 50,188. 1 Claim. (Cl. 201—55.)



A rheostat comprising a cylindrical support, a wire secured on the periphery of the support in zig-zag shape, an arm secured rotatably in the support, the arm having a contact disposed to engage the wire, and a handle secured to the arm for its adjustment.

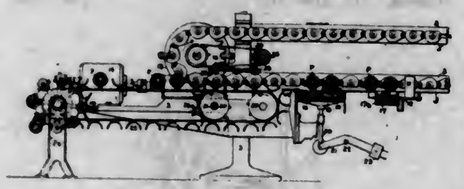
1,629,524. METHOD AND APPARATUS FOR DRAWING WIRE. FRANK H. NULLMEYER, Struthers, Ohio. Filed Aug. 16, 1923. Serial No. 657,705. 12 Claims. (Cl. 205—16.)



1. An apparatus for drawing wire, comprising a turret adapted to be rotated about an axis, a plurality of blocks for drawing and coiling wire rotatably mounted on said turret, the axes of the various blocks being equidistant from the axis of the turret, a holder for a reducing means between the blocks and in a line substantially tangent to the blocks, a driving shaft, and means for connecting the driving shaft to either of said blocks to draw the wire through the reducing means from another block.

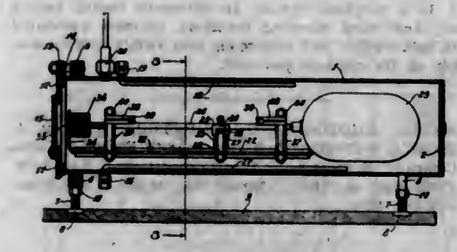
1,629,525. CONVEYER, WRAPPING, AND LABELING MACHINE. PHILIP D. PARSONS, Swarthmore, Pa., assignor to Scott Paper Company, a Corporation of Pennsylvania. Filed Dec. 2, 1926. Serial No. 152,104. 5 Claims. (Cl. 93—5.)

1. A machine of the character stated, comprising an endless conveyer having lateral pins at intervals along its length adapted for carrying in suspension rolls of paper to be enclosed with encircling wrappers which extend beyond each end of the rolls, combined with a magazine for containing the wrappers and having a width greatly wider than the length of the roll, means for feeding the wrappers toward the travelling pins which pass



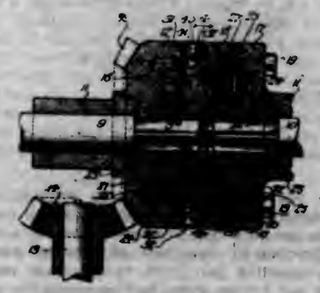
over the magazine, means for centralizing the rolls carried by the pins when passing over the magazine whereby the wrappers extend a definite distance beyond each end of the roll, and paste applying means for cementing the wrapper about the roll while centralized therein.

1,629,526. GAS GRAVITY BALANCE. HOMER ROLAND PIERCE, Bartlesville, Okla., assignor to Indian Territory Illuminating Oil Company, Bartlesville, Okla., a Corporation of New Jersey. Filed Feb. 19, 1926. Serial No. 89,340. 12 Claims. (Cl. 265—44.)



1. A portable specific gravity balance for gases comprising a gas container, a balancing beam having a displacement float, a pivotal support for said beam, and means independent of said support fixed interiorly of the container for removably mounting said support therein.

1,629,527. DIFFERENTIAL GEARING. LEO PONDELICK, Chicago, Ill. Filed May 22, 1922. Serial No. 562,573. 7 Claims. (Cl. 74—7.)



1. In differential gearing, the combination of axle sections, clutch members fixed to rotate with said sections respectively, a driving drum, separate driving members adapted to engage with and for driving the clutch members respectively, and separate stud and slot driving connections between the drum and each of the driving members respectively, said stud and slot connections operating independently of each other and each connection comprising means for automatically shifting one of the driving members into and out of engagement with one of the clutch members independently of the other.

1,629,528. PREPARED SULPHUR. FRANCIS H. POUCH, St. Louis, Mo., assignor, by mesne assignments, to Southern Acid & Sulphur Company, Incorporated, a Corporation of Virginia. Filed Nov. 24, 1924, Serial No. 752,033. Renewed Apr. 8, 1927. 3 Claims. (Cl. 167—6.)

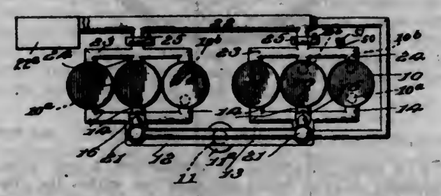
3. Finely divided sulphur having mixed therewith finely divided carbonate of magnesium in the following proportions: sulphur, 100 parts by weight, and carbonate of magnesium, from 2 to 10 parts by weight.

1,629,529. DRAFT EVENER FOR HARROWS. JORGEN ALFRED REIMER and HANS CHRISTIAN HANSEN, Elk Horn, Iowa. Filed June 24, 1926. Serial No. 118,353. 2 Claims. (Cl. 55—84.)



1. The combination with two sections of a multiple section harrow draft evener or draw-bar, of a joint comprising two plates attached to opposite sides of one of said sections and near the end thereof, and extending beyond said end, said plates being each provided with a slot, one of said plates having an inclined outer end and being provided at said end with an open notch above its longest part, and a U-shaped bolt one arm of which passes through said section and said slots, and the other arm of which passes through the other section of said draw-bar; whereby said last-named section may be held in working position or may be drawn outward and may then be turned upward and inward when the multiple section harrow is to be contracted in width, as set forth.

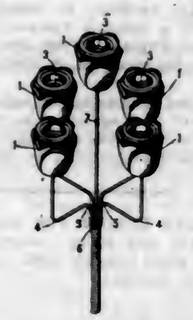
1,629,530. MULTI-CYLINDER INTERNAL-COMBUSTION ENGINE. CHARLES REINEKE, New York, N. Y., assignor to The Reineke Motor Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 7, 1925. Serial No. 48,750. 19 Claims. (Cl. 123—97.)



3. In a multi-cylinder engine having an exhaust gas conduit and exhaust valves for controlling the passage of gas from the cylinders into the conduit, auxiliary valve

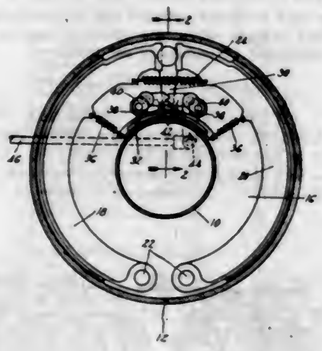
means associated with said conduit for preventing the exhaust gas from one cylinder passing through the conduit into another of said cylinders.

1,629,531. ORNAMENT. MATHIAS REISERT, Brooklyn, N. Y. Filed July 24, 1926. Serial No. 124,601. 3 Claims. (Cl. 67—25.)



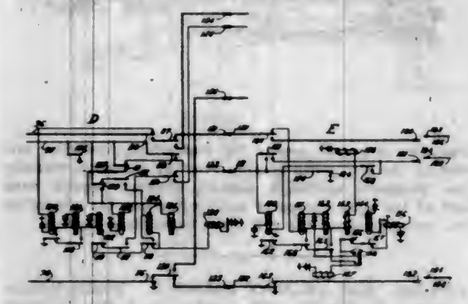
1. A miniature candelabrum comprising L-shaped wires having vertical stems twisted together and adapted to form a support to be inserted in a cake or the like and each wire having an offset portion terminating in a candle-receiving socket integral therewith at its upper end.

1,629,532. SERVO-EXPANDED BRAKE. EUGÈNE PROSPER RENAUX, Paris, France, assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 14, 1923, Serial No. 625,072. Divided and this application filed Apr. 15, 1926. Serial No. 102,140. 6 Claims. (Cl. 188—135.)



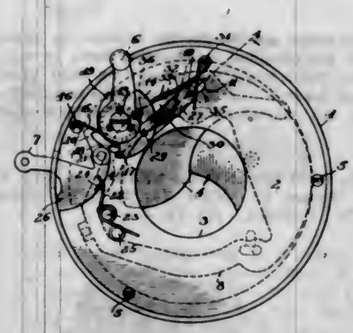
1. A brake comprising, in combination, a pair of substantially co-axial drums arranged one within the other, friction means engageable with the inner surface of the outer drum, and a servo shoe engageable with the outer surface of the inner drum and operable to force the friction means against the outer drum.

1,629,533. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Original application filed Nov. 23, 1920, Serial No. 426,011. Divided and this application filed Mar. 14, 1925. Serial No. 15,435. 26 Claims. (Cl. 179—18.)



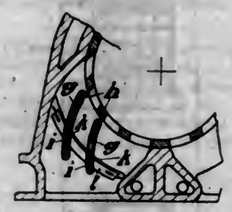
1. In a telephone system, an automatic switch having group and trunk selecting functions, contacts associated with said switch, and wipers for said switch resting normally on the contacts last used.

1,629,534. PHOTOGRAPHIC SHUTTER. WILLIAM A. RIDDELL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 5, 1925. Serial No. 48,381. 5 Claims. (Cl. 95—63.)



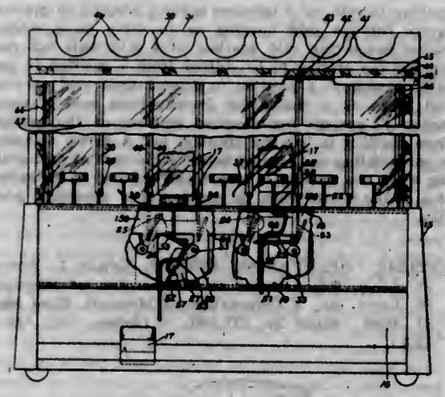
1. In a photographic shutter, the combination with blade mechanism including a blade controlling connection movable in one direction to open the blades and in the opposite direction to close them, of a master member, an actuator connecting the latter to the blade controlling connection and having a lost motion connection with the master member to permit setting movement thereof, and means for preventing lost motion between the master member and the actuator during the operating movement of the master member.

1,629,535. TWO-STROKE INTERNAL-COMBUSTION ENGINE. WILHELM RIEHM, Augsburg, Germany, assignor to The Firm: Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed Jan. 12, 1925, Serial No. 1,971, and in Germany Apr. 8, 1924. 3 Claims. (Cl. 123—65.)



3. A two-stroke internal combustion engine in accordance with claim 1 in which the guide blades are adjustable.

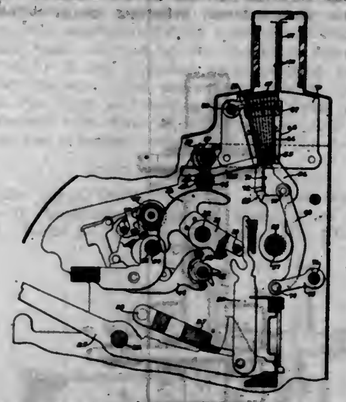
1,629,536. SELF-SERVICE MACHINE. JOHN RIIKONEN, Chicago, Ill. Filed Oct. 1, 1925. Serial No. 59,908. 9 Claims. (Cl. 211—8.)



1. In a device of the class described the combination with a pair of cross members having an open way between them, of a trap door pivotally mounted at one side of the way and forming a closure therefor, means for effecting movement of the trap door in one direction, spring means yieldingly resisting movement of the trap door, a clamp plate pivotally mounted at the opposite side of the way and a flange on the clamp plate provided with a notch and a cam face, the edge of the trap door normally seating in the notch and adapted to ride upon the cam face of the flange for moving the clamp into the way.

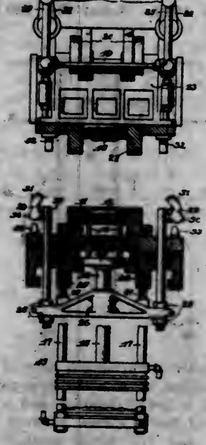
1,629,537. CASH REGISTER. WILLIAM H. ROBERTSON, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed June 7, 1923. Serial No. 643,921. 15 Claims. (Cl. 235—23.)

2. In a machine of the class described, the combination of item entering means, a rocking member actuated by said item entering means, indicating elements, indicating elements supporting means adapted to be differentially moved, indicating elements selecting means, indicating elements elevating means, and means actuated by said



rocking member to move said indicating elements supporting means to a position corresponding to the position of said indicating elements selecting means.

1,629,538. PRESSURE-PAD-CONTROL DEVICE. FREDRICH J. RODS, Chicago, Ill., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 20, 1925. Serial No. 24,695. 9 Claims. (Cl. 113—46.)

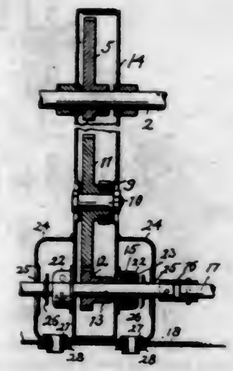


1. A draw press including a plunger, work holding and gripping means, a die, a pressure cushion for the die, and freely swinging means insertable between the cushion and work holder whereby the said work holding means will maintain the said die from following the upward movement of the plunger, the last recited means operating to permit the pressure cushion to return the die upon the return movement of the work holding means.

1,629,539. PROTECTED BEARING FOR POWDER-DISPENSING DEVICES. RALPH R. ROOT, Lakewood, Ohio, assignor to The Root Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 7, 1924. Serial No. 684,721. 6 Claims. (Cl. 43—148.)

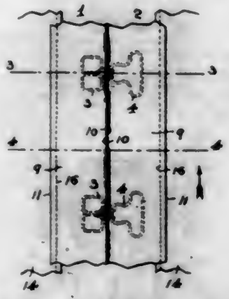
2. The combination with a container for powdered material, of a shaft extending into the container, a bearing for the shaft, a casing forming a chamber in which the

bearing is enclosed, said casing having an opening communicating with the interior of the container through which the shaft extends, deflecting means within the



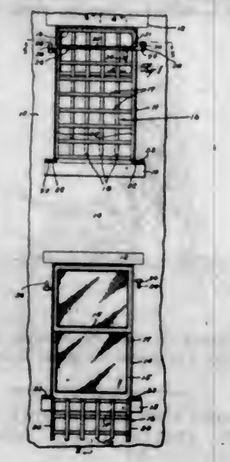
casing for preventing passage of powder from the opening to the bearing, and means for preventing accumulation of powder within the casing.

1,629,540. FASTENER STRIP OR FLY FOR GARMENTS. LEO ROSENMAN, Newark, N. J., assignor to R. K. M. Mfg. Company, a Corporation of New Jersey. Filed May 12, 1922. Serial No. 560,405. 1 Claim. (Cl. 2—265.)



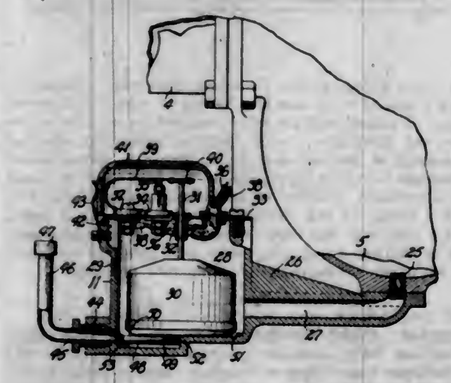
Flies for garments comprising a pair of fastener strips, each strip consisting of a main base-member made up of an upper and a lower element, and a facing-member, having a marginal fold disposed between said upper and lower elements, and the main portion of the facing-member being disposed upon the outer face of the upper element of said base-member, garment hooks arranged between the fold of the facing member and the lower element of the base-member of one of said fastener-strips with their hook-shaped portions projecting beyond the marginal edge of the fold of said strip, eyes arranged between the fold of the facing member and the lower element of the base-member of the other of said fastener-strips at points so that the eyes will not project beyond the marginal edge of the fold of said last-mentioned fastener-strip, and lines of stitching for securing said facing members, said lower and upper elements and the garment fasteners of the respective fastener-strips in assembled relation, said upper and lower elements, furthermore, being made of a fabric of greater strength than the facing members, all arranged to prevent pulling away of the garment-fasteners from said strips, and to hide said fasteners from view when the marginal edges of the folds of said strips are brought into abutting relation.

1,629,541. FIRE ESCAPE. GUSTAV SCHOLER, New York, N. Y. Filed May 19, 1926. Serial No. 110,054. 8 Claims. (Cl. 228—3.)



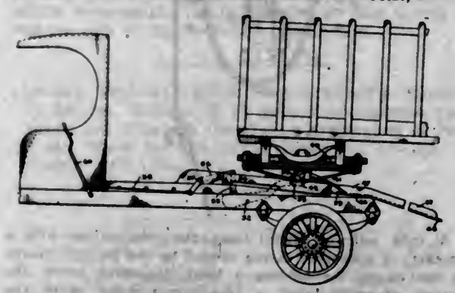
1. The combination with a building wall having an opening therein, of a prisoner grating adapted to prevent egress through said opening or to serve as a ladder, means connecting said grating with said wall but permitting the grating to be shifted from a position to bar said opening to a position to depend from said opening and serve as a ladder for descent from said opening, means to prevent unauthorized shifting of the grating from position to bar the opening, and a device attached to said grating and located between the ends of said grating when the grating is closed and serving as an extension of the ladder when the grating is in depending position.

1,629,542. OIL-BURNING SYSTEM. LEWIS L. SCOTT, St. Louis, Mo., assignor to Electrol Inc. of Missouri, St. Louis, Mo., a Corporation of Missouri. Filed May 31, 1924. Serial No. 717,190. 2 Claims. (Cl. 158—42.3.)



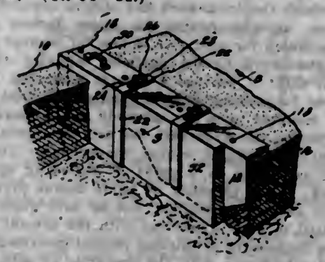
1. In an oil burning system of the class described, in combination with a chamber for receiving unignited oil, a float in said chamber, and a cut-out device adapted to be actuated on the rise of said float, to stop the operation of the system, means for draining said chamber comprising a tube rotatably mounted in the wall of said chamber, having an upward extension outside of the chamber and carrying a cam member projecting into the chamber and located beneath said float, whereby, upon turning said extension downward to drain the chamber, said tube will be rotated to cause the cam member to raise said float and thereby actuate the cut-out device or, if the float is in a raised position, will prevent its fall to normal position until said extension has been raised.

1,629,543. VEHICLE. WILLIAM OSCAR SHADBOLT, deceased, Brooklyn, N. Y., by Anna A. Shadbolt, executrix, Brooklyn, N. Y., and OTTO MARKLEIN, Brooklyn, N. Y.; said Marklein assignor of his interest to said Anna A. Shadbolt as executrix. Filed Aug. 23, 1923. Serial No. 658,952. 2 Claims. (Cl. 280—33.1.)



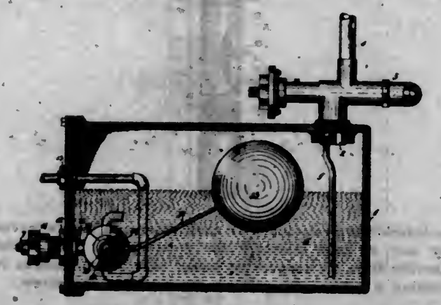
1. The combination with a trailer truck comprising a body provided with a pair of rear wheels, a swingingly mounted support upon its forward portion adapted to support the same when standing alone, and devices upon its forward portion adapted to co-act in coupling said trailer to a tractor, said coacting devices on the trailer comprising a fifth wheel provided with laterally extending arms; of a tractor provided with a portion adapted to be inserted under the front end of said trailer, lateral guides adapted to bring the trailer into proper lateral relation with the tractor when the tractor is introduced under the trailer, stops on said tractor against which said laterally extending arms are adapted to abut, and levers pivotally secured to said tractor, the rear ends of which are provided with hooks adapted to engage with said laterally extending arms when said levers are in one position and to be disengaged therefrom when said levers are in another position, the rear ends of said hooks being provided with rearwardly and downwardly extending members over which said laterally extending arms may pass, whereby said hooks are depressed, the ends of said levers opposite to said hooks being heavily counterweighted so as to cause said hooks to rise when permitted and thereby to engage with said laterally extending arms and to remain in such engaged and operative position.

1,629,544. APPARATUS FOR INSTALLING PAVEMENT SEPARATOR JOINTS. WILLIAM FOSTER SHAW, Detroit, Mich. Filed Sept. 2, 1924. Serial No. 735,829. 1 Claim. (Cl. 94—51.)



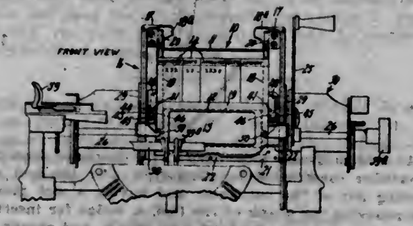
In a work support for a pavement separator joint, a supporting plate having a flange on one side along its upper edge, pins extending removably through said flange into the roadway to maintain the plate in the upright position during the laying of the pavement to make a break therein, said plate having a width and length substantially equal to that of the separator joint to be supported by it and provided with clamping means to hold the separator joint against the side of the plate opposite the flange and having openings along its lower edge whereby both sides of the separator joint are exposed to the pavement structure to be engaged thereby.

1,629,545. BALL COCK. JOHN A. SHERMAN and WILLIAM H. SHEPPARD, Worcester, Mass. Filed Nov. 3, 1925. Serial No. 66,549. 3 Claims. (Cl. 137—104.)



1. The float valve above described comprising a stationary member adapted to be mounted on a tank and a rotary member mounted to turn on said stationary member and means comprising a float for turning it, said stationary member having a fluid inlet port and outlet ports, said rotary member having a port in communication with said inlet port and connectible to either of said outlet ports, one of said outlet ports leading into said tank and the other to a point outside the tank.

1,629,546. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 21, 1925. Serial No. 51,552. 15 Claims. (Cl. 197—135.)



1. In a typewriting machine having a platen, a ribbon, and a stencil-card device, in combination, a stencil-card-holding frame arranged for being raised and lowered in front of said platen, means for automatically silencing said ribbon when said frame is raised, and stops mounted on said frame and arranged for supporting a stencil-card in said frame above the bottom edge thereof, whereby characters may be typed on the back of said card below the stencil-sheet thereof.

1,629,547. TOOL HOLDER. JOHN HUGO SMITH, Detroit, Mich., assignor to The Wesson Sales Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 19, 1925. Serial No. 3,255. 4 Claims. (Cl. 279—1.)

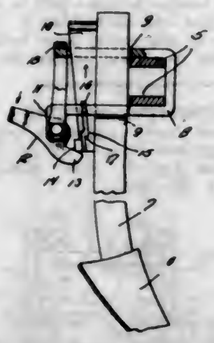
1. A tool holder of the character described, comprising two cooperating detachable interlocking members operating as a single unit, one of which has means adapted for

driving connection with a power operated machine also means to receive and support the other member,—in turn adapted to support a cutting tool; means adapted for longitudinally adjusting said members while remaining



in interlocking relation with each other and means carried by one of said members for forcing the tool carried thereby from its supporting socket each of said means including a screw and gearing for rotating the screw.

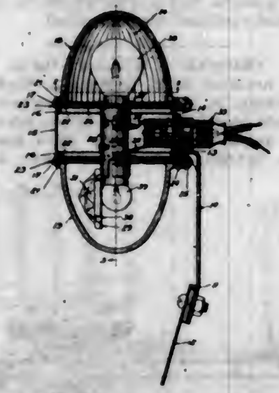
1,629,548. CULTIVATOR TOOL CLAMP. JACOB SPAHN, Hillrose, Colo. Filed Jan. 17, 1927. Serial No. 161,601. 6 Claims. (Cl. 97—193.1.)



1. In a cultivator tool clamp of the character described, a member constructed for disposition over the tool supporting bar of the cultivator and having a slot therein for receiving the shank of the tool, a wedge for insertion through the slot in back of said shank, and means associated with said member for engagement with one end directly beneath the wedge and adapted to receive a downward blow at its opposite end for releasing said wedge.

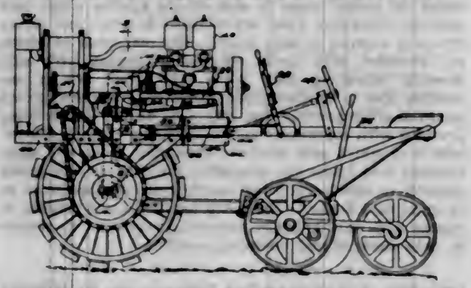
1,629,549. TAIL AND SIGNAL LAMP. JASON C. STEARNS, Worcester, Mass. Filed May 14, 1924. Serial No. 713,351. 4 Claims. (Cl. 177—329.)

1. In a tail and signal lamp, the combination with a cylindrical metallic casing having a pair of outwardly extending flanges at its top and bottom and provided with a partition across it, of a pair of hollow covers of glass, each having an open end provided with a bead therearound set against one of said flanges on opposite sides of the casing, a single ring of arcuate transverse section around each adjacent flange and bead for holding the covers against the bottom and top of the casing, electrical connections extending through the cylindrical wall of said casing horizontally, a lamp in each of said covers, means carried by the casing and extending vertically through the center of the casing for supporting said lamps on opposite sides of the partition, and means extending from said electrical connection for connecting the lamps with a source of power.



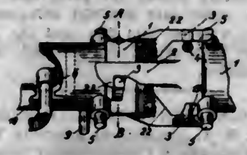
3. In a tail and signal lamp, the combination with a bracket, of a metallic casing carried by the bracket, means in the casing for holding a lamp depending below the bottom of said casing, a transparent cover below the casing supported thereby all around the upper edge of the cover spaced from the bracket and surrounding the lamp, and means between the lamp and the cover for coloring the rays projected rearwardly from the lamp.

1,629,550. CLUTCH CONTROL FOR TRACTORS. HENRY ALONZA STEWART and FRANK LENARD HOLT, Tullahoma, Tenn. Original application filed Apr. 1, 1925, Serial No. 19,978. Divided and this application filed Mar. 23, 1926. Serial No. 96,808. 1 Claim. (Cl. 180—77.)



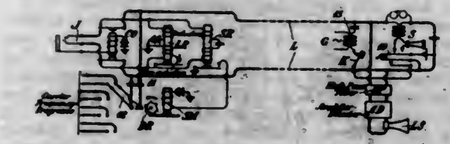
A tractor comprising a framework, wheels, an engine having a drive shaft, means for transmitting the engine driving power to the wheels including a clutch, a coupling bar with which the framework has pivotal connection; in combination, an arm having an upper forked end to engage the clutch for operation, a bracket secured to part of the frame work having portions receiving the arm below said fork to provide a pivotal mounting for the arm, a lever for rocking the arm upon said pivotal mounting being mounted upon the coupling bar, a flexible element connecting the lever with the arm at a point below the pivotal mounting, a spring connected at the same point and extending to a point of fastening upon the frame work, and a plurality of guide means over which the flexible element is trained, one of said guide means being located in axial alinement with the pivotal connection of the framework permitting pivotal movement thereof without interfering with the operation of said arm in the actuation of the clutch.

1,629,551. COUPLING FOR RAILWAY CARS. CARL STOLLBERG, Berlin, Germany. Filed Jan. 23, 1926, Serial No. 83,891, and in Germany Feb. 3, 1925. 3 Claims. (Cl. 213—76.)



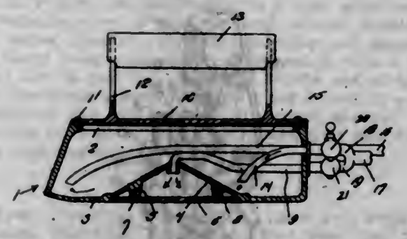
1. In combination with a pair of coupling heads, air couplers mounted therein comprising conduits, sleeves mounted on the conduits for partial rotation and locking devices interengaging in the rotation of said sleeves to lock the ends of the conduits in engagement.

1,629,552. PROGRAM-SELECTING CIRCUITS. MAURICE E. STRIEBY, Millburn, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,721. 6 Claims. (Cl. 179—2.)



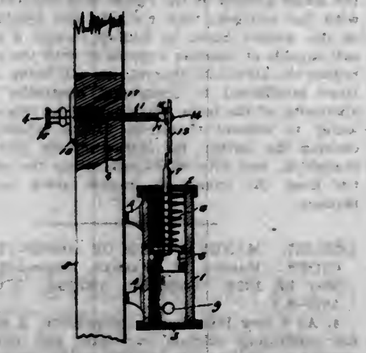
1. In a program distribution system, a subscriber's telephone line terminating in a subscriber's telephone apparatus at the subscriber's station, switching means at the central office whereby connections may be established between said subscriber's line and another subscriber's line, a plurality of trunks at the central office upon which programs may be impressed, a directively operated switch independent of said first mentioned switching means at the central office for establishing connections between said first mentioned line and any desired trunk to the exclusion of other trunks, an alternating current control device for operating said switch, and means to control the transmission of alternating current to said device from the subscriber's station over the two sides of said first mentioned line in series.

1,629,553. STEAM-HEATED IRON. LESTER SWENSON, Deerfield, Wis. Filed Sept. 22, 1926. Serial No. 137,052. 1 Claim. (Cl. 68—26.)



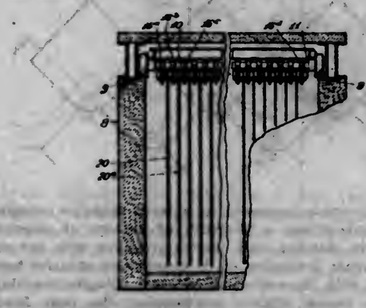
In a steam heated iron, a casting comprising a semi-ovate flat bottom surrounded by an upstanding marginal rim defining a main steam circulating and heating chamber, said chamber being open at its top, a cover plate for the open top detachably seated on the rim, said plate being provided with upstanding standards, a hand-grip carried by said standard, said bottom having an inwardly projecting hollow cone forming a supplemental moistening chamber, a removably mounted apertured closure disk forming the base of the cone, a plurality of valved steam supply pipes, one of said pipes being in communication with the interior of the cone, and one with the interior of the main chamber, and a steam discharge pipe leading from the said main chamber.

1,629,554. CONTROLLING MEANS FOR IGNITION CUT-OFFS. GEORGE W. THOMPSON, Cheboygan, Mich., assignor to Bifex Products Company, a Corporation of Delaware. Filed Jan. 22, 1920, Serial No. 353,174. Renewed Oct. 13, 1926. 1 Claim. (Cl. 251—75.)



A device of the character described comprising a cylinder having an inlet adjacent its one end adapted to be connected to an oil pump of an internal combustion engine and having an outlet intermediate its ends, a spring-pressed piston within the cylinder adapted to normally prevent communication between the inlet and outlet of the cylinder, and adapted to move within the cylinder under influence of oil pressure from said pump and assume a position for establishing communication between the said inlet and outlet, a rotatable rod, a lever or arm extending from the rod, means associated with the rod whereby said rod will be yieldably held against rotation, a slotted link having one end pivotally connected to the piston, a pin carried by the arm upon said rotatable rod and slidable in said slot, and said slot being of such length that when the arm is in one of its adjusted positions and upon the piston assuming its normal or closed position the shaft carrying said arm will be rotated a predetermined degree.

1,629,555. CLAMPING MEANS FOR WALL BOARD OR THE LIKE. ALVA W. TYLER, Chicago, Ill., assignor to Universal Gypsum & Lime Co., Chicago, Ill., a Corporation of Delaware. Filed Oct. 3, 1923. Serial No. 666,393. 20 Claims. (Cl. 34—26.)



1. In clamping means for wall board and similar material, a facer strip and nonwarpable supporting means for said strip.

1,629,556. PROCESS OF OBTAINING GLUE AND GELATIN. GEORGE R. UNDERWOOD, Peabody, Mass., assignor to American Glue Company, Boston, Mass., a Corporation of Massachusetts. Filed May 10, 1924. Serial No. 712,440. 1 Claim. (Cl. 87—7.)

The process of extracting glue and gelatin from chrome tanned leather without disintegrating the leather or removing the chromium therefrom, which consists in the steps of liming the leather as ordinary glue stock is limed for such protracted period of time at atmospheric temperatures as will so change the condition of the collagen therein that it will give up its glue and gelatin on cooking, washing the limed leather with water to remove the major portion of the excess lime not having combined with the collagen, then reducing the residual alkalinity of the washed mass, by adding thereto a solution of a salt capable of reacting chemically with the excess lime to reduce the alkalinity thereof, the salt being used in quantities insufficient to completely neutralize the residual alkalinity of the mass, washing the so treated leather in water to remove therefrom excess soluble salts, then cooking the leather, for extracting the glue and gelatin therefrom, and afterwards separating the glue and gelatin from the exhausted leather stock in the known manner.

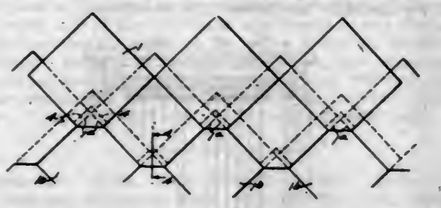
1,629,557. MANUFACTURE OF ARSENATE INSECTICIDES. HAROLD W. WALKER, Edgewood, Md. Filed May 14, 1926. Serial No. 109,162. 7 Claims. (Cl. 167—6.)

4. As a new insecticidal composition, a powdery product containing calcium carbonate and normal calcium arsenate, said arsenate existing as an exterior layer and said calcium carbonate as a core.

5. The process of making calcium arsenate which comprises treating particles of reactive calcium carbonate with arsenic-containing material capable of producing arsenites in situ and heating the materials in the presence of air until the arsenite formed is converted into arsenate, the temperature and conditions of heating being such as to preclude substantial calcination of said calcium carbonate.

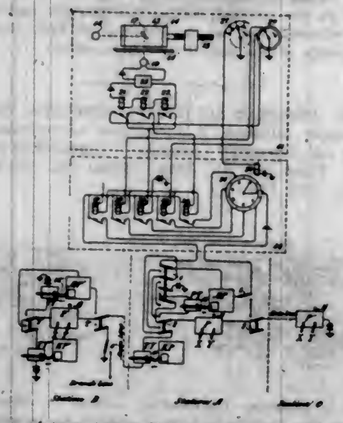
6. The process of making calcium arsenate which comprises treating particles of reactive calcium carbonate with arsenic containing material capable of producing arsenites in situ and heating the materials in the presence of air until the arsenite formed is converted into arsenate, the temperature and conditions of heating being such as to preclude substantial calcination of said calcium carbonate, and the proportion of As_2O_3 being insufficient to react with all the calcium carbonate.

1,629,558. SHINGLE FASTENING. HENRY R. WARDELL, Daytona, Fla., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed Nov. 3, 1925. Serial No. 66,524. 1 Claim. (Cl. 108—7.)



A roof covering composed of pointed shingles comprising, in combination, a plurality of courses of substantially square shingles, each course arranged with one set of the diagonal dimension of its constituent shingles horizontal and with the corners of adjacent shingles touching, each such course slightly overlapping the next lower course, the lower corner of each shingle being bent under from exposed position and forming a flap placed under it in the vertex of the angle between two adjacent shingles of the next lower course, and a thin quadrangular plate of stiff material, having one corner clipped off to an extent such that the cut edge approximates in length the line on which said flap is bent, fastened to said folded flap and extending beyond the point and both sides of said flap and under said adjacent shingles of the next lower course; whereby said flap, and the lower portion of the shingle to which it is connected, are firmly anchored in position.

1,629,559. SIGNALING SYSTEM. EDWARD F. WATSON, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 1, 1924. Serial No. 696,282. 18 Claims. (Cl. 178—5.)



2. In a picture transmitting system, means to test a restricted elemental area of a picture and give a response according to its degree of shade, means to shift the test to successive elemental areas of the picture, means to punch code combinations in a tape corresponding in order to the degrees of shade of the picture elements, means governed by such a tape to transmit corresponding electric currents, a receiver for said currents adapted to print successive impressions on a picture receiving surface determined in shade according to the said code combinations, and means to adjust the spacing of the said impressions.

1,629,560. LINING-TRIMMING MACHINE. CHARLES C. WEBSTER, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 1, 1924. Serial No. 710,440. 3 Claims. (Cl. 12—51.)



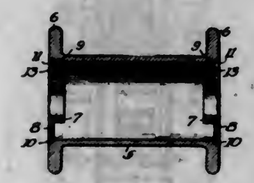
1. A lining-trimming machine comprising a work-supporting member having a shearing edge, a trimming cutter having a pilot portion and two cutting edges extending in opposite directions from said pilot portion, and mechanism arranged to reciprocate said cutter so that said cutting edges and said pilot portion will move across and in contact with said shearing edge of said work-supporting member.

1,629,561. GARMENT. ROSA R. WELLSTATTER, New York, N. Y. Filed Sept. 6, 1923. Serial No. 661,185. 7 Claims. (Cl. 2—213.)



1. A combination garment comprising skirt and leg forming portions each including inner and outer leg members, a crotch portion extending from one of said inner leg members and having a free longitudinal edge substantially coextensive in length with said crotch portion and adapted for engagement throughout its length with the cooperating free edge of the contiguous inner leg member, and means for detachably securing said cooperating free edges together substantially throughout their entire length, substantially as specified.

1,629,562. SPOOL. HUGO H. WEHMINS, Chicago, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1923. Serial No. 672,697. 8 Claims. (Cl. 242—118.)

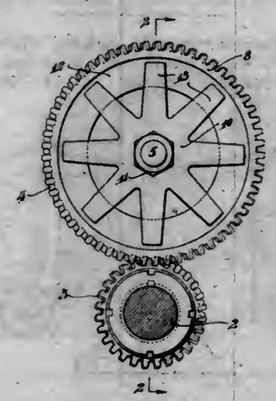


1. In a spool, the combination of a cast metal body comprising a barrel of relatively large internal diameter and having integral outwardly projecting end flanges, said barrel being counterbored in one end to form a recessed seat in said end, a bushing for the end of said body comprising a metal disk fitting and secured in said counterbore and provided with a central aperture of relatively small diameter, the outer margin of said disk being supported by said seat.

1,629,563. PROCESS FOR MAKING IRON AND STEEL. SIGURD WESTBERG, Germantown, Pa. Filed Oct. 21, 1924, Serial No. 745,010, and in Norway Apr. 14, 1924. 14 Claims. (Cl. 75—50.)

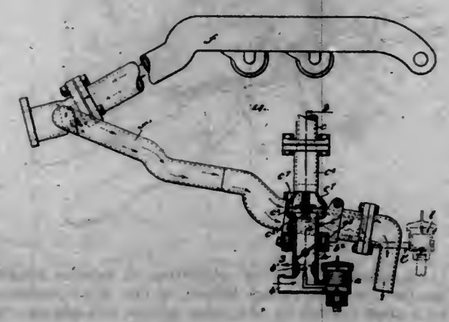
1. The process of making steel which comprises forming an aggregate of separate pieces of metal, heating to a welding temperature in a reducing gas containing hydrogen, thereby forming gaseous compounds with impurities in said metals forming nongaseous compounds of another metal and said impurities, and welding.

1,629,564. MEANS FOR PREVENTING BACKLASH IN GEARS. JESSEE MERCER WHITE, Philadelphia, Pa. Filed Aug. 3, 1925. Serial No. 47,763. 2 Claims. (Cl. 179—18.)



1. In combination with a driving shaft, having a driving gear thereon, and a driven shaft having a driven gear thereon; a friction gear mounted to rotate relatively to the driven shaft the friction gear and the driven gear having faces frictionally engaging each other; a pinion, fixed to the driving shaft and meshing with the friction gear, for rotating it at a different speed from that of the driven gear, a spider spring carried by the driven shaft and adapted to hold the friction gear in engagement with the driven gear, and a wearing ring between the spider and the friction gear.

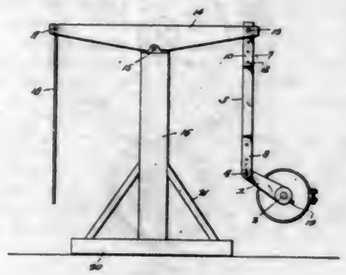
1,629,565. SEPARATOR AND VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. GOTTFRIED WIRRER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 21, 1922. Serial No. 555,845. 2 Claims. (Cl. 48—180.)



1. An apparatus for producing a dry fuel mixture comprising a conduit adapted to be connected at one end to a metering device and at the other end to the cylinders of a combustion engine, a stationary conical deflector mounted centrally of said conduit and spaced from the wall thereof to permit the on-flow of the gaseous mixture, an annular groove in the wall of the conduit to receive deflected particles, an evaporating chamber separate and remote from the conduit, means for connecting the groove in the conduit to the evaporating chamber to conduct the

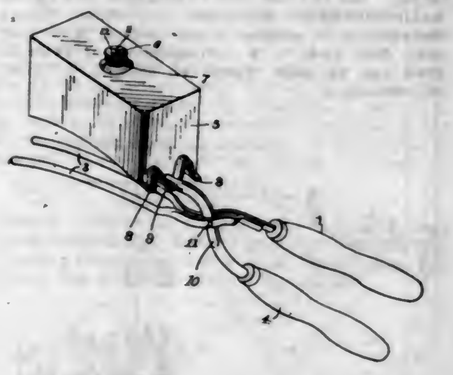
liquid fuel collected in the groove to the evaporating chamber, a source of heat co-operating with the evaporating chamber to vaporize the collected liquid fuel, and means for returning the vaporized fuel to the conduit.

1,629,566. MOTOR-VEHICLE POWER ATTACHMENT. DAVIS LEVI WOLF, Olney, Tex. Filed Jan. 27, 1927. Serial No. 164,100. 3 Claims. (Cl. 74 -106.)



1. In a motor vehicle drive, the combination with a rear axle having a differential, of crank elements secured to the ends of the rear axle at opposite sides of the differential, and a connecting fork having spaced sides pivotally connected to the crank elements and adapted to cause the drive through the rear axle to be uniform when power is applied to the rear axle.

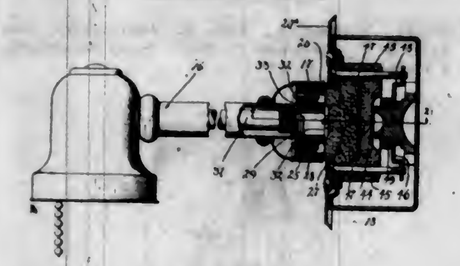
1,629,567. HAIR WAVER. MARION D. WORLEY, St. Stephen, New Brunswick, Canada. Filed Feb. 15, 1926. Serial No. 88,347. 5 Claims. (Cl. 132—32.)



1. A hair-waving device, consisting of handles hinged near their centres, prongs formed on one of the handles, and a tank carried by the other handle and adapted to contain a heating liquid.

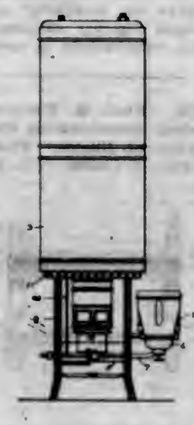
1,629,568. COMBINATION ELECTRICAL CONNECTER DEVICE AND FIXTURE SUPPORT. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1920. Serial No. 419,967. 4 Claims. (Cl. 173—338.)

1. The combination with a receptacle having contacts and a fixture for cooperation with said receptacle, of a combination electrical connecter and fixture supporting device comprising a sheet metal member having a pair of latch members having pivotal engagement with respect to said receptacle to swing about an axis extending trans-



versely with respect to the axis of the receptacle, and a pair of stop members for limiting the pivotal movement with respect to said receptacle.

1,629,569. THERMOSTATIC CONTROL FOR OIL BURNERS, LEE S. CHADWICK, Shaker Heights Village, MARC REGEK and JOHN ALGER DAHLSTROM, East Cleveland, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 26, 1923. Serial No. 664,855. 7 Claims. (Cl. 236—20.)

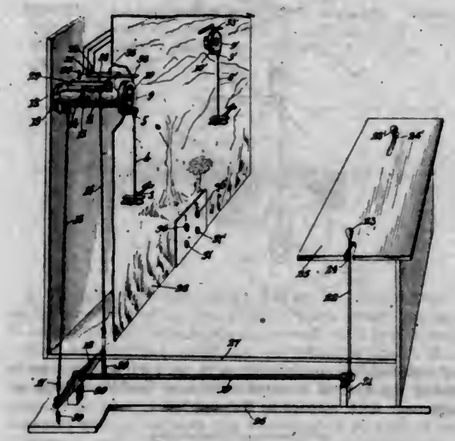


1. In combination with a liquid fuel burner of the wick type, wick adjusting means involving a spindle that is rotatable in one direction to raise the wick and in the opposite direction to lower the wick, a member rotatable with the spindle, an actuator for cooperation with said member and rotatable upon the axis of the member but independently thereof, means effecting a driving connection between the actuator and said member, and operative connections between the thermostat and the actuator.

1,629,570. AMUSEMENT DEVICE. PAUL U. DANIEL, Brooklawn, N. J., assignor of one-half to Francis C. Rogers, Philadelphia, Pa.; Mina Daniel administratrix of said Paul U. Daniel, deceased. Filed Apr. 20, 1924. Serial No. 709,754. 17 Claims. (Cl. 273—86.)

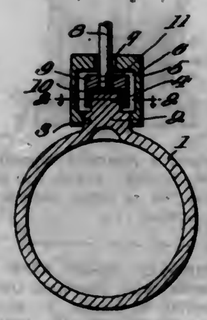
17. In an amusement device the combination of a pendulum, a suspension pivot for said pendulum, said pendulum being mounted on said pivot for rotation there-

about in a substantially vertical plane, means for imparting limited successive impulses to said pendulum



directed in a substantially vertical plane, whereby said pendulum may be caused to loop in a substantially vertical plane.

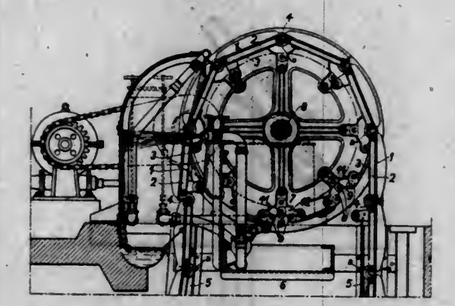
1,629,571. FLUSH-VALVE FLOAT. EDWARD L. DELANY, Brooklyn, N. Y. Filed Mar. 9, 1926. Serial No. 93,402. 4 Claims. (Cl. 4—56.)



1. A flush valve float comprising a body portion having a nipple at its upper end, and externally threaded, a cap screwed on the nipple and having an opening in its upper end, a member within the cap and held against rotation, and a lifting rod passing through the opening in the cap and detachably connected to the member within the cap.

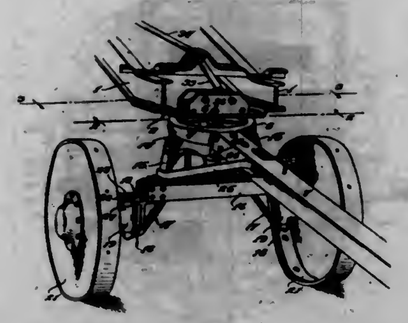
1,629,572. ROTATING ENDLESS SCREEN BELT FOR THE MECHANICAL PURIFICATION OF WATER. EUGEN GEIGER, Karlsruhe, Germany. Filed Mar. 25, 1926, Serial No. 97,395, and in Germany Apr. 2, 1925. 3 Claims. (Cl. 210—175.)

1. In a rotating endless screen belt for the mechanical purification of water, in combination with two endless chains carrying said belt and guiding rollers on both sides and running over two chain wheels mounted above the water, a number of gaps provided in the periphery of the rim of said chain wheels for the engagement of said guiding rollers, the radius of said gaps being somewhat larger than that of said rollers, and a number of bearing rollers rotatably mounted in the rim of said chain wheels



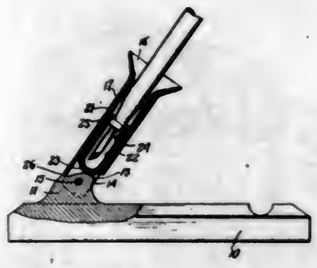
adjacent to each of said gaps and with their periphery somewhat projecting into the respective gap so that said guiding rollers in engaging with said gaps come to rest upon said bearing rollers at a certain distance from the face of the respective gap.

1,629,573. STEERING GEAR FOR ROAD GRADERS. EDWARD C. GLEDHILL, Galion, Ohio. Original application filed Aug. 28, 1923, Serial No. 659,763. Divided and this application filed Apr. 24, 1924. Serial No. 708,758. 2 Claims. (Cl. 280—96.)



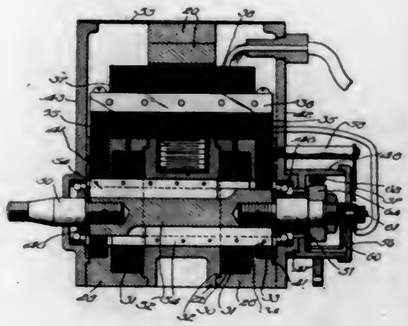
1. In combination, a wheeled implement comprising a frame, a rigid rear axle and wheels carried thereby, a front axle, a turntable supported thereby, said frame having one end pivotally mounted on said turntable whereby said axle may be moved in a horizontal plane, spindles at the ends of said front axle, wheels rotatably mounted on said spindles, a vertical shaft extending coaxially of said turntable and that portion of the frame supported thereby, a gear housing mounted upon said front axle and partially inclosing said shaft, a worm gear mounted on said shaft within said housing, a second gear within said housing and meshing with said first gear, said second gear being operatively related to said spindles whereby horizontal movement of said housing and said front axle about its pivot causes corresponding movement of said spindles, and means for rotating said gears for causing movement of said spindles independently of said front axle.

1,629,574. DESK SET. BENJAMIN W. HANLE, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1926. Serial No. 131,343. 9 Claims. (Cl. 120—108.)



1. In a device of the character described, the combination of a base, a cap into which the pen carrying portion of a fountain pen may be inserted, devices supporting the cap for movement relative to the base, and means whereby movements of the cap on the base will seal and unseal the portion of the pen within the cap.

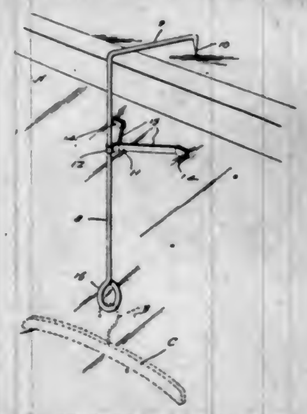
1,629,575. IGNITION MAGNETO. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Mar. 11, 1922. Serial No. 542,928. 12 Claims. (Cl. 171—209.)



1. In a magneto, a rotor, magnet pole pieces, a coil, a core for said coil having extensions in proximity to said rotor, an inductor element on said rotor arranged to complete successive paths from said pole pieces to said core, and a fixed generator coil encircling said rotor between said pole pieces and said core extension.

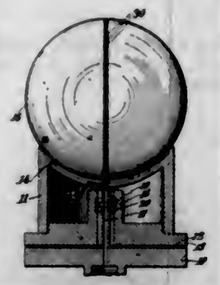
1,629,576. DISPLAY HOOK. WILLIAM F. IRISH, Anderson, S. C. Filed Dec. 14, 1925. Serial No. 75,302. 1 Claim. (Cl. 248—22.)

In a hook of the class described, a single length rod, the upper portion thereof being bent laterally to provide an elongated vertical arm portion, and a relatively short finger portion, the outer free end of said finger portion being disposed downwardly and terminating in a point adapted for engagement with a support, an eye formed on the lower free end of said vertical arm adapted to provide a support for a garment hanger, said eye being disposed in substantially the same plane as the aforementioned finger portion, and a brace slidable on the arm portion



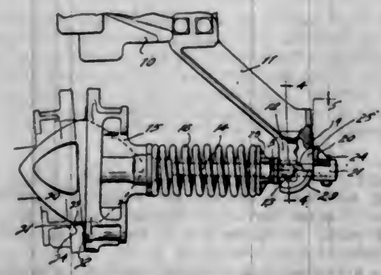
and adapted for engagement with said support for maintaining the arm in a vertical manner and in spaced arrangement with respect to its support.

1,629,577. ART OF SUSTAINING BODIES IN SPACE. EMIL KLAHN, New Vernon, N. J. Filed Oct. 1, 1917, Serial No. 194,211. Renewed Oct. 20, 1926. 16 Claims. (Cl. 74—78.)



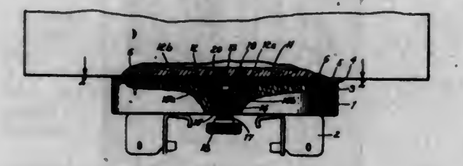
1. In a gyroscope: a rotatable support member having an upper bowl portion; and a free, spherical member adapted to rest and to rotate therein and solely air supported during rotation.

1,629,578. AUTOMATIC TRAIN-PIPE CONNECTER. CHARLES A. KOTHE, East Cleveland, Ohio, assignor, by mesne assignments, to Martin A. Barber, Cleveland Heights, Ohio. Filed Sept. 19, 1921. Serial No. 501,529. 7 Claims. (Cl. 285—24.)



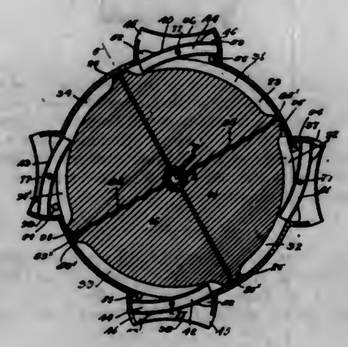
1. In an automatic train pipe coupling, a supporting bracket having spaced arms depending therefrom, a coupling head having a shank thereon, and a stop block on said shank having wings to engage the rear edge of the arms, the lower edge of said wings being above the center line of the shank.

1,629,579. CAMERA-SUPPORTING MEANS. HERMAN OSBORN LANGLEY, St. Albans Gardens, N. Y. Filed Nov. 21, 1925. Serial No. 70,540. 6 Claims. (Cl. 248—46.)



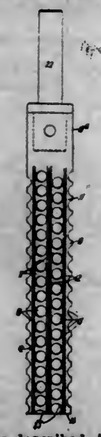
1. In instrument supporting means, the combination of an instrument and a base member upon which the same is adapted to be detachably supported, said base member having an undercut guide-way extending laterally thereof and terminating in a semi-circular portion, and said instrument having a circular stepped plate fixed thereto, adapted to be inserted in said guideway with the larger diameter thereof beneath the overhanging portion of said guideway, said plate being adapted to rotatably fit in said semi-circular guideway portion, said base member having an upwardly extending opening therethrough, and clamping means manually operable in said opening, to press upwardly against said stepped plate to bind the same firmly against the overhanging portion of said guideway.

1,629,580. ROTARY ENGINE. NELSON P. LETHANDER, Brandon, Manitoba, Canada. Filed Nov. 6, 1924. Serial No. 748,150. 2 Claims. (Cl. 123—15.)



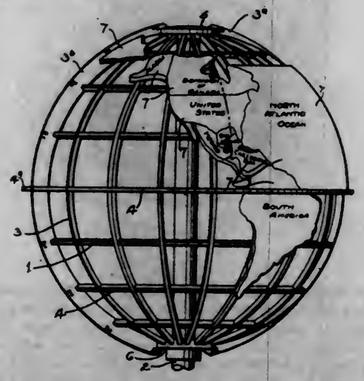
2. On a rotary internal combustion engine inner and outer rotors forming therebetween a plurality of similar separate working chambers, means causing the rotors to rotate in opposite directions, a plurality of similar separate working chambers, a plurality of rocker members forming transfer chambers and corresponding in number to the number of working chambers and carried by the outer rotor, and inlet and an outlet port associated with each rocker member and controlled thereby and means for rocking each rocker member to permit of the entrance through the inlet port of a charge to a working chamber, the subsequent compression and expansion of the said compressed charge in the said latter transfer chamber and the following working chamber and the exhausting of the spent charge through the exhaust port of the following transfer chamber, and timed means for firing the expanding charges in the transfer chambers.

1,629,581. TOOL FOR DRILLING CONCRETE, ETC. ADOLPH W. MACHLET, Elizabeth, N. J. Filed Oct. 27, 1923. Serial No. 671,086. 13 Claims. (Cl. 255—63.)



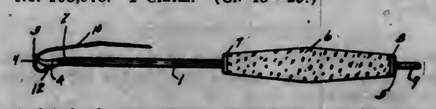
1. A drill of the class described, in the form of a hollow tool of the same diameter throughout and having a self-renewing wearing edge or nib thin enough to produce a cut in the material when the tool is hammered and provided with straight longitudinal ribs at intervals around its periphery, the tool having rows of chisel-forming perforations between the ribs, the perforations having an echelon arrangement around the tool.

1,629,582. SECTIONAL-MAP APPARATUS. GEORGE C. MCCLINTOCK, San Diego, Calif. Filed July 30, 1925. Serial No. 47,064. 11 Claims. (Cl. 35—6.)



1. In an apparatus of the class described, a spherical supporting means provided with substantially vertical and horizontal ribs corresponding with the meridians and parallels of a map of the world, and map sections formed as sections of a sphere adapted to be supported at the outer portions of said ribs.

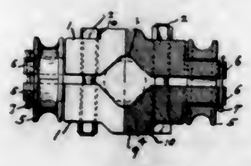
1,629,583. FISHHOOK EXTRACTOR. MELVEN EDWARD NELSON, Fremont, Nebr. Filed Apr. 28, 1926. Serial No. 105,075. 1 Claim. (Cl. 43—29.)



A fish hook extractor, as described, comprising a wire rod, flattened and forked at the forward end; said forked end being slightly curved in a plane opposite to said

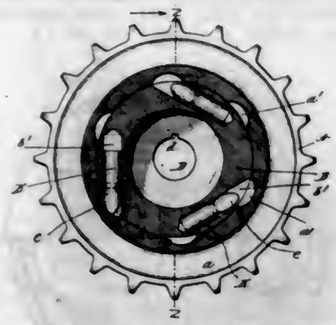
flattened portion; a handle of a floatable material or substance, capped at both ends, on said wire rod, adjacent the rear end; and an eyelet formed in said rear end to permit securing said extractor to the body of the user.

1,629,584. POLISH-ROD CLAMP. THOMAS O'BOYLE and REX G. HAMAKER, Houston, Tex.; said O'Boyle assignor to said Hamaker. Filed Sept. 18, 1923. Serial No. 663,459. 2 Claims. (Cl. 24—243.)



1. A polish rod clamp including a pair of clamp jaws, one side of each jaw being provided with a vertical groove, said grooves registering when the jaws are clamped together, and forming a bearing for the polish rod, bolts securing said jaws together, each jaw having a projection at each end, said projections cooperating when the jaws are secured together and thus forming pintles, one at each end of the jaw and a cable bearing on each pintle.

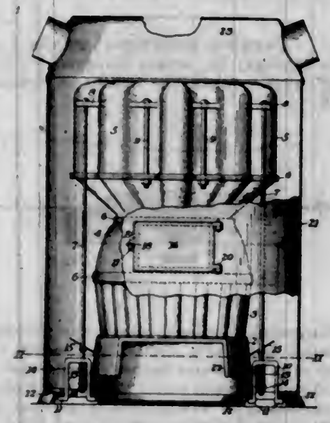
1,629,585. ONE-WAY CLUTCH. DANIEL L. OULTON, Everett, Mass., assignor to Oulton Manufacturing Corporation, a Corporation of Vermont. Filed May 25, 1925. Serial No. 32,639. 1 Claim. (Cl. 192—46.)



In a device of the character specified, the combination of an annular member provided with a pocket in its inner periphery, a member rotatably mounted within said annular member, said member being provided with a hole in its outer periphery, said hole being located in the alignment of a chord with respect to the circular periphery of said member rotatably mounted within said annular member, and a plunger slidably mounted in said hole, said plunger being provided with a rounded head one side of which is adapted to fit closely against and to be embraced by the opposed surface of said pocket, said plunger being adapted to emerge partially from said hole and to enter said pocket and to be retained therein by a driving force actuating one of said annular members in one direction and to be ejected from said pocket by a driving force actuating said member in the opposite direction.

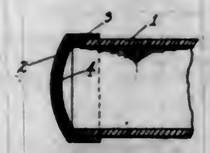
1,629,586. FURNACE. WALTER J. PEES, Meadville, Pa. Filed May 3, 1924. Serial No. 710,784. 2 Claims. (Cl. 126—99.)

1. A furnace comprising a plurality of separable sections including a base and a radiator, a yoke detachably cooperating with the base and whose cross-bar is above the base, a tie rod connected to said radiator and extending through the cross-bar of said yoke, and an



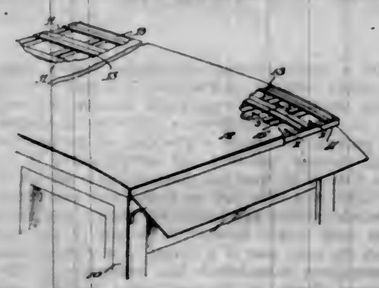
adjustable resilient connection between said yoke and said tie rod between the legs of the yoke, substantially as described.

1,629,587. AUTOMOBILE BUMPER. WILLIAM RAHE, Cincinnati, Ohio. Filed Sept. 29, 1926. Serial No. 138,505. 4 Claims. (Cl. 293—55.)



1. In combination with a tubular element of a hollow bumper bar, a cap for fitting over the end of the tube, said cap having sleeve-like portions for engaging the outer surface of the tubular element, and a disc of equivalent diameter to the inner diameter of said sleeve-like portions, said disc adapted to reinforce the cap against a collapsing strain.

1,629,588. VEHICLE TOP. CHARLES A. ROTTHOUSE, Brandywine Hundred, Del., assignor of one-half to Edward G. Cook, Wilmington, Del. Filed Aug. 28, 1925. Serial No. 53,179. 4 Claims. (Cl. 296—137.)



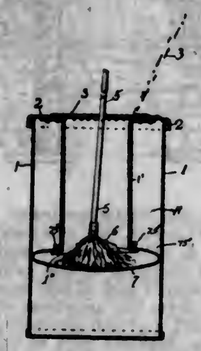
1. In a vehicle top, cross bows including front, rear and intermediate bows, and a metallic stringer secured to the front and rear bows and having a depending flange engaged with the intermediate bows.

1,629,589. PASSENGER-SHIP CONSTRUCTION. GEORGE G. SHARP, Wyoming, N. J. Filed Apr. 15, 1925. Serial No. 23,225. 4 Claims. (Cl. 114—189.)



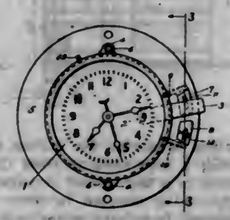
1. Means for increasing the passenger carrying capacity of a ship, which consists of arranging the staterooms in groups with one bulkhead common to all the rooms of one group and arranging the opposite bulkhead of other said rooms on an angle with a portion projecting beyond the angularly disposed bulkhead of the next adjacent room.

1,629,590. DRY-MOP DUST COLLECTOR. IDA L. SMITH, Portland, Me. Filed Apr. 23, 1925. Serial No. 25,402. 3 Claims. (Cl. 15—142.)



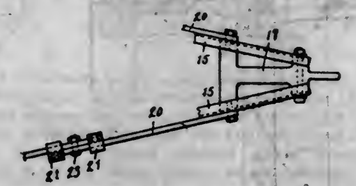
1. A drp mop dust collector comprising, in combination, a receptacle adapted to receive a dry mop and having a cover with central opening and a removable lid therefor; a shell depending inside the receptacle from the edge of said opening forming an annular dead air space between the shell and the receptacle wall; a grille supported at the lower end of said shell, and spaced above the receptacle bottom; said grille having wires extending across and beyond the bottom of the shell and being bent upward and back toward the shell edge whereby upon the mop head being drawn across said wires floating dust can escape into the said annular space.

1,629,591. BASE FOR TIME-CONTROLLED SWITCHES. FREDRICK B. SOMMERSTEIN, Jacksonville, Fla. Filed May 4, 1925. Serial No. 27,721. 1 Claim. (Cl. 200—35.)



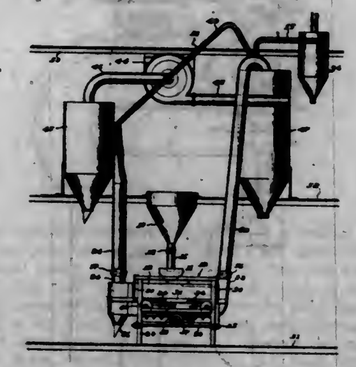
An annular apertured member composed of insulation material mounted on a conventional alarm clock, said alarm clock being provided with oppositely disposed attaching pins, said member having oppositely disposed slotted attaching lugs adapted to engage said pins, stationary contacts on said ring, adapted to be bridged by a bridging contact, the latter being mounted on the alarm arbor of said clock, each of said contacts comprising a tubular current conductor attaching portion, a contact portion and an anchoring portion, said anchoring portion adapted to be embedded in said ring.

1,629,592. WRECKING CRANE. JOSEPH H. STALEY, Columbus, Ind., assignor to National Standard Company, Niles, Mich. Filed July 20, 1925. Serial No. 44,888. 1 Claim. (Cl. 212—144.)



The combination of a frame, a boom pivotally mounted on said frame, a tackle carried by said boom, a strut connecting said boom to said frame and comprising a pair of sections connected to the boom and frame, each section having a slide loop embracing the coacting section, one of the sections having a series of holes therein, and a pin selectively engageable with said holes for adjustably supporting the boom.

1,629,593. DUST-EXTRACTING UNIT. ALBERT H. STEBBINS, Los Angeles, Calif. Filed June 9, 1925. Serial No. 35,913. 4 Claims. (Cl. 209—144.)

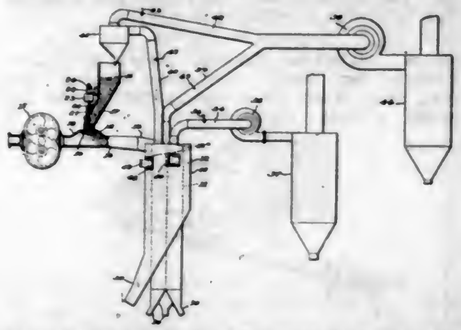


1. A material separating and dust extracting unit, comprising a combination, at least three separate receptacles connected in a closed circuit and including a suction dust extractor, a blast dust extractor and a separator positioned between the two dust extractors, means for delivering the materials to be treated to the separator, a fan included in said circuit at a point between the two dust extractors and operable to force the air repeatedly around said circuit through the different receptacles, and a by-pass conduit arranged to by-pass part of the air from one side of the closed circuit to the other without passing through said separator.

1,629,594. AIR CLASSIFIER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Jan. 5, 1926. Serial No. 79,459. 11 Claims. (Cl. 209—144.)

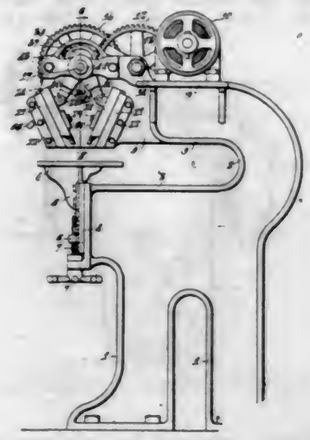
2. An air classifier, comprising in combination, an outer casing and an inner casing having an annular air passage between them and the inner casing having a plurality of longitudinally extending slots formed through its side walls in angularly spaced relation to each other,

means for introducing air into the annular passage through the wall of the outer casing at points opposite said slots, means for delivering air bearing the materials to be treated into said annular passage with a whirling movement, and suction means for drawing air from the



openings in the outer wall of the casing across the passage into said slots at right angles to the path of the air traveling in said passage to thereby draw into the inner casing the lighter particles whirling in the annular passage.

1,629,595. DEFECT-REMOVING AND PATCH-CUTTING MACHINE. MARVIN EARL STEGER, McCleary, Wash. Filed Jan. 22, 1925. Serial No. 4,093. 20 Claims. (Cl. 144—2.)



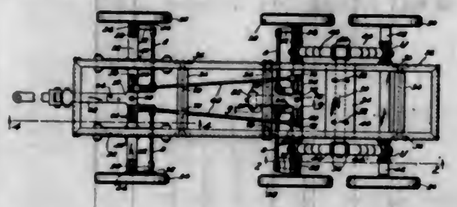
1. A machine for cutting defects out of the top ply of multi-ply veneer stock, a pair of concave cutting elements having their concavities opposed and the cutting edges of which lie in a plane to which the axes of the curvature of their concavities are oppositely inclined, means for moving said elements alternately on converging lines substantially parallel to the inclination of said axes of curvature toward, and from a common plane in which the ends of the cuts made by said edges meet so that their combined cuts sever a portion of the top ply defined thereby.

1,629,596. DOOR CLOSER. ERNST STOCKER, Lucerne, Switzerland. Filed Sept. 8, 1925, Serial No. 54,972, and in Switzerland Sept. 11, 1924. 1 Claim. (Cl. 16—80.)

A door closer including a member to be fixed to one of the relatively movable parts to be operated, a plate rotatably mounted on the member and having an upstanding hollow stud, a casing rotatably supported on the upper end of the stud, a spring arranged between the stud and casing, and means for adjustably holding the plate in desired rotative relation to the member to correspondingly tension said spring, said means comprising a pin cooperating with a hole formed in the member and with any one of a series of annularly arranged holes formed in the plate.

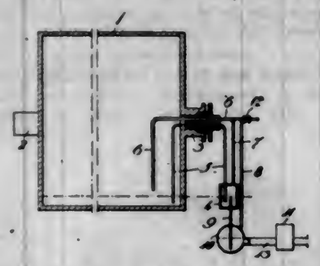


1,629,597. HEAVY-DUTY TRAILER FOR TRUCKS. ALEXANDER E. STOCKFORD, Los Angeles, Calif. Filed Aug. 7, 1926. Serial No. 127,749. 10 Claims. (Cl. 280—33.55.)



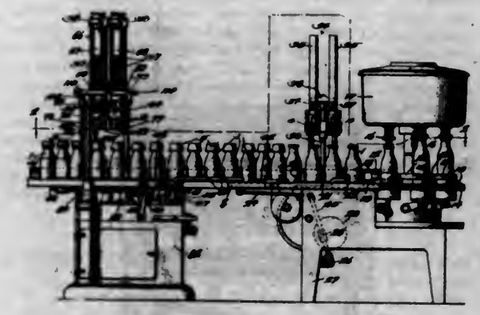
1. In a heavy duty trailer for trucks, in combination, a channel iron framework, sets of wheels associated with said framework, an axle for each of said sets of wheels, means associated with each of said axles for permitting a resilient movement of each of said wheels in a number of directions, a draw bar associated with said framework for permitting a pivotal movement with respect to one of said axles, duplicate pairs of tie rods and arms connected with said draw bar and said axles, whereby one set of said wheels may be moved in unison, and duplicate pairs of tie rods and arms connected with said draw bar and the axles of another of said sets of wheels whereby both of said sets may be operated in unison.

1,629,598. CONDENSATION EXHAUST FOR DRYING CYLINDERS AND SUCH LIKE. PER OTTO THEODOR SYLWAN, Forshaga, Sweden. Filed Dec. 11, 1926, Serial No. 154,244, and in Sweden June 25, 1925. 2 Claims. (Cl. 34—4.)



2. A condensation separator for drying cylinders and the like comprising a pipe running from the interior of the drying cylinder to a water seal arranged outside the cylinder, said pipe being adapted to serve as a siphon, a second pipe issuing from said water seal for conducting off the fluid from said water seal, the upper mouth of said second pipe being situated at a higher level than the mouth of the pipe issuing from the cylinder, said second pipe opening into a second fluid seal, said second fluid seal being provided with an overflow outlet, and a tube issuing from steam chamber in the drying cylinder and serving as a steam and air outlet, said tube being in communication with the upper part of both water seals so that the same pressure will be prevalent on the fluid surfaces in said drying cylinder and in said water seals.

1,629,599. BOTTLE-CAPPING MACHINE. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 2, 1923. Serial No. 649,159. 5 Claims. (Cl. 226—80.)



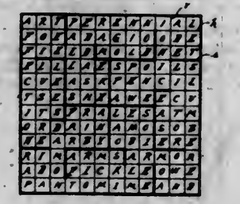
1. A bottle capping machine including a movable magazine for holding rings and formed to permit rings to drop therefrom; a jaw carrier surrounding and assembled with said magazine and mounted to be movable therewith, this jaw carrier being formed to catch and position a ring falling from the magazine; a plurality of jaws mounted upon the jaw carrier and having ring holding formations in the zone in which the ring is positioned; a cam surrounding said jaw carrier and in contacting relation to said jaws to cause the jaws initially to hold the ring positioned upon the jaw carrier and thereafter to contract this ring; mechanism for causing initial movement of the cam with respect to the jaws to initially hold a ring; and means for positioning a bottle to be surrounded by the ring to engage the magazine to enable relative movement of the jaw carrier and cam to move the jaws further to contract the ring.

1,629,600. ROLLER BEARING. DIEDRICH WILLIAM TIETJEN, North Milwaukee, Wis., assignor to E. R. Wagner Mfg. Company, North Milwaukee, Wis., a Corporation of Wisconsin. Filed May 19, 1924. Serial No. 714,272. 3 Claims. (Cl. 308—217.)



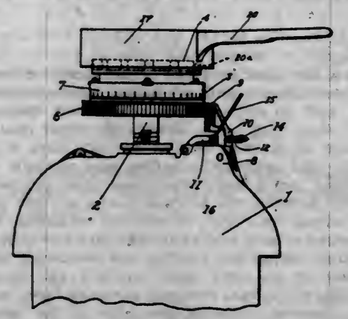
1. A roller-bearing comprising a tubular member, a sleeve spacer member positioned within the tubular member to form a recess between contiguous portions of the tubular member and sleeve member and constitute a lining to the tubular member throughout its major portion from its middle towards both ends, a cage member rotatively mounted in said recess, and roller bearings mounted in the cage for rolling contact with the inner surface of the sleeve member and carried by the cage in its rotation in its recess.

1,629,601. CROSS-WORD PUZZLE. NIKOLA TRBOJEVICH, Highland Park, Mich. Filed Mar. 8, 1926. Serial No. 93,287. 2 Claims. (Cl. 283—1.)



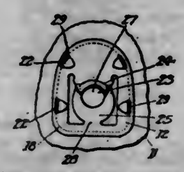
1. A cross-word puzzle comprising a series of crossing lines forming a pattern containing a plurality of similar inclosed spaces, one space for each letter, and a series of lines distinguishable from the first mentioned lines inserted between adjacent inclosed spaces forming the boundaries of the words spelled by said letters.

1,629,602. ROLLING-MILL SCREW-DOWN. JOHN B. TATUS, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Apr. 11, 1925. Serial No. 22,273. 8 Claims. (Cl. 80—56.)



6. In combination with the screw of a rolling mill, a head for said screw having means for preventing its movement under stresses imparted by the mill and having its top face formed with spaced teeth, a head rotatably mounted on the screw above the head first mentioned, a lever pivoted in said head, and having a lug thereon, said lever so pivoted as to permit its lug to be swung down between the teeth on the head, and said lug being of less width than the space between the teeth.

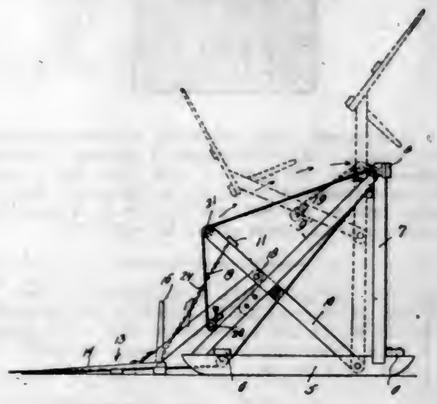
1,629,603. CURTAIN FASTENER. JOHN VODICKA, Chicago, Ill., assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 20, 1924. Serial No. 693,973. 3 Claims. (Cl. 24—216.)



1. A curtain fastener for use with a headed post, comprising a catch plate having a pair of resilient tongues formed therefrom, the end portions of both of the tongues

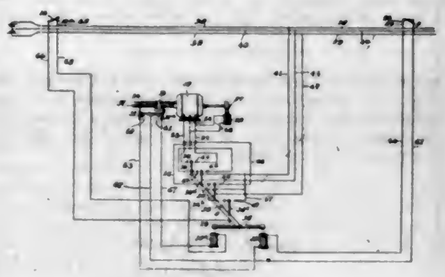
being recessed to form a post hole between them, one of said tongues being extended on opposite sides of its recess and embracing the end of the other of said tongues.

1,629,604. HAY-STACKING DEVICE. GEORGE W. VOELKEL, Nashville, Ill., assignor of one-half to Harry I. Stevens, Tamarea, Ill. Filed May 22, 1926. Serial No. 111,029. 2 Claims. (Cl. 214—131.)



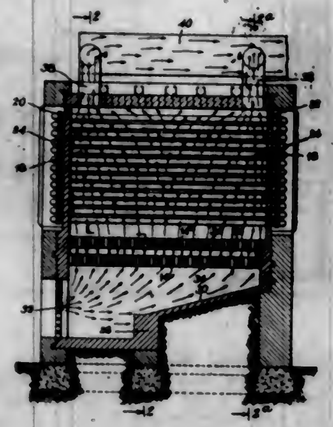
1. In a hay stacking device of the character described, a skid including a pair of spaced interconnected skid bars, a pair of vertical posts at the rear thereof, and inclined connecting beams between the upper ends of the posts and the forward ends of the skid bars, a pair of forwardly and upwardly extending bars pivotally secured to the skid bars adjacent their rear ends and extending forwardly between the inclined beams of said skids, a hay receiving carriage, rearwardly extending inclined bars secured to said last mentioned bars forwardly of the skid beams, means for limiting the downward swinging movement of the bars upon the skid and means for facilitating the upward swinging movement upon said bars and the vertical swinging movement of the bars upon said skid for discharging the hay from said carriage.

1,629,605. RAILROAD-CROSSING GATE. WILLIAM BEDFORD WATSON, Jacksonville, Fla. Filed Mar. 30, 1926. Serial No. 98,567. 5 Claims. (Cl. 246—125.)



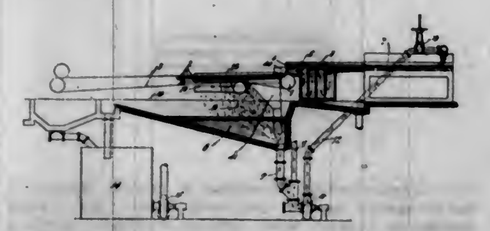
1. Protective means for a railroad crossing comprising a gate, operating means for the gate including an electric motor, an electrically operated brake for the motor, a current supplying circuit for the motor and brake, an electrically operated automatic switch for closing the circuit through the motor and the electrically operated brake mechanism to simultaneously start the motor and release the brake, and electrically actuated means for operating the said automatic switch contained in a circuit deriving current from the same source as the motor and including a train operated switch.

1,629,606. FURNACE. GEORGE DAVIS WHITE, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Sept. 7, 1923. Serial No. 661,337. 2 Claims. (Cl. 110—97.)



1. A furnace comprising a coil chamber, a coil disposed therein, a combustion chamber disposed beneath the coil chamber, a double checkered wall separating the coil chamber from the combustion chamber and provided with a plurality of staggered openings increasing in size from the center towards the front and rear to produce an even distribution of heat in the coil chamber, outlet flues disposed in the upper corners of the coil chamber, a main gas conduit communicating therewith, and adjustable dampers disposed in said flues for controlling the distribution of heat throughout the coil chamber.

1,629,607. FOURDRINIER MACHINE AND PROCESS OF PAPER MAKING. GEORGE STANFORD WITHAM, Jr., Hudson Falls, N. Y. Filed Sept. 8, 1926. Serial No. 134,284. 29 Claims. (Cl. 92—44.)



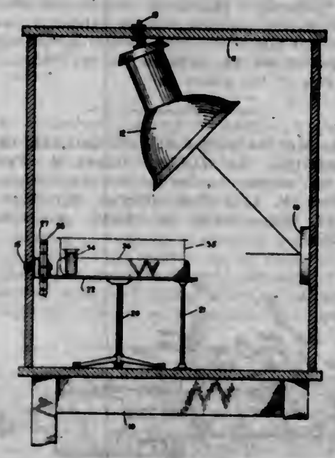
1. In a Fourdrinier machine, the combination with a wire, of means spaced above but in close proximity to the upper surface thereof for momentarily restraining the lateral flow of stock after it strikes said wire.

1,629,608. TOY GUN. LOUIS V. ARONSON, Newark, N. J. Filed May 31, 1924. Serial No. 717,049. 2 Claims. (Cl. 46—46.)



1. A toy gun comprising, in combination, a tubular barrel, a reciprocating member within the barrel and having a portion protruding from the rear thereof adapted to be grasped by the hand of the user for retraction of said member, a spring in the barrel urging said reciprocating member forwardly to normal position, a trigger for holding the reciprocating member retracted and for sudden release of the same, a friction element mounted upon said reciprocating member, a pyrophoric element slidably mounted in the wall of said barrel, means for pressing said pyrophoric element against said friction element actuated by said spring.

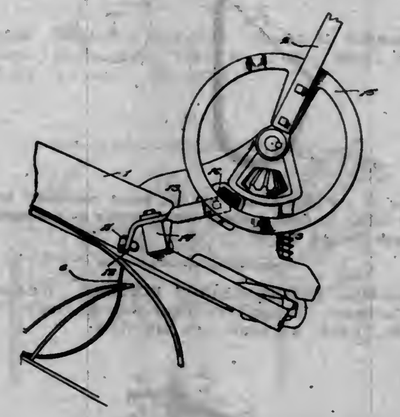
1,629,609. COLORIMETER. JOSEPH P. BADER, New York, N. Y., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Dec. 21, 1921. Serial No. 523,819. 7 Claims. (Cl. 88—14.)



3. A colorimeter comprising a plurality of rotatable disks, each provided with color screens of varying characteristics, means for projecting a plurality of light rays from a common source, means for controlling the direction of projection of said rays whereby some rays pass through the object being tested and others pass through one or more of the color screens, and means for converging by reflection all of said light rays in proximity.

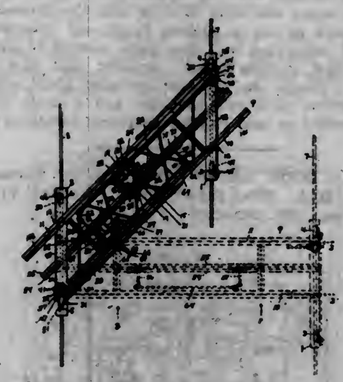
1,629,610. ATTACHMENT FOR GRAIN BINDERS. BENJAMIN H. BURA, Kremlin, Okla. Filed June 24, 1925. Serial No. 39,333. 2 Claims. (Cl. 289—10.)

2. An attachment for a binder comprising a bracket adapted to be secured upon a knotter supporting breast plate transversely of a twine slot formed longitudinally therein, a twine supporting pin slidable through said bracket and having a projected end portion to extend across the twine slot, a cam adapted to be secured to a kicker arm concentric to a rotary shaft carrying the kicker arm, a fulcrum adapted to be secured to said breast plate, and a rocker arm pivoted intermediate its



length upon said fulcrum and having one end engaged with said pin and its other end adapted to engage said cam whereby said pin may be moved into and out of a twine supporting position in timed relation to movement of the kicker arm.

1,629,611. CONCRETE-ROAD MACHINE. EDWARD G. CARR, Chicago, Ill. Filed Feb. 19, 1921. Serial No. 446,271. 11 Claims. (Cl. 94—48.)

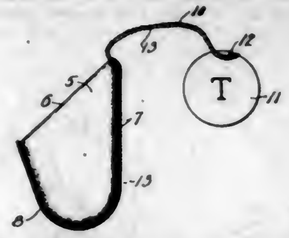


2. In a concrete road machine, the combination with supporting members, of a frame, a tamper carried by the frame, and clamping means to retain the frame at a selected angular position with respect to the supporting members.

1,629,612. TEA BAG. SIMON COOPER, Brooklyn, N. Y., assignor to Cooper Tea Packet Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 23, 1921. Serial No. 454,707. 10 Claims. (Cl. 53—3.)

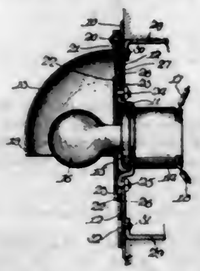
1. A device for extracting essence from tea leaves or coffee, comprising a strip of textile fabric folded on its center line to form two plies contacting all around their

free edges, a line of stitches extending close to and in parallel relation to said free edges for uniting said two plies, the thread of said stitches being carried over the



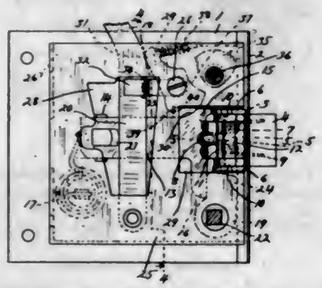
edge of the fabric, said stiches being continued beyond the fabric to form a chain which serves as a suspending means for the device.

1,629,613. ELECTRIC-LIGHT FIXTURE. WILLIAM P. CROCKETT, Chicago, Ill. Filed Nov. 27, 1925. Serial No. 71,603. 3 Claims. (Cl. 245—73.)



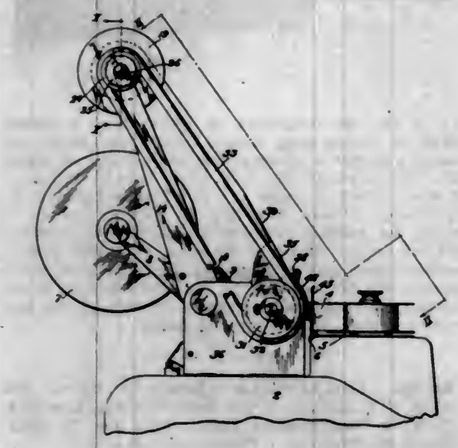
1. In an electric light fixture the combination of a receptacle formed with an aperture to receive an electric light socket and lamp therefor, and also formed with an extension having a guiding flange and shoulder, an apertured supporting wall face plate secured to said extension, said guiding flange, shoulder, and face plate forming a groove, an annular apertured plate rotatable in said groove upon said shoulder, and a shade secured to and carried by said annular apertured rotatable plate.

1,629,614. DOOR LATCH. WILLIAM C. DEVERBAUX, Detroit, Mich. Filed June 2, 1924. Serial No. 717,349. 20 Claims. (Cl. 292—226.)



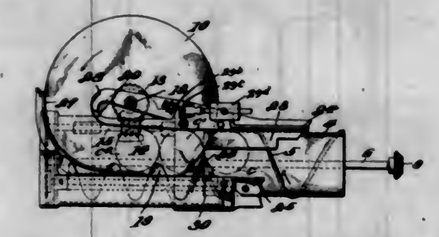
1. In a latch, the combination with a latch bolt, of a shank in rear thereof having a lateral projection operatively connected to the bolt for retracting the same, a member engageable with a projection on the shank for operating said bolt, and a pivoted dog positioned adjacent to said operating member and adapted to be moved thereby into locking engagement with said shank.

1,629,615. ADDING MACHINE. WILLIAM E. DUNNING and JACOB BACHOFEN, Alliance, Ohio, assignors to The McCaskey Register Company, Alliance, Ohio, a Corporation of Ohio. Filed May 22, 1922. Serial No. 562,653. 4 Claims. (Cl. 101—93.)



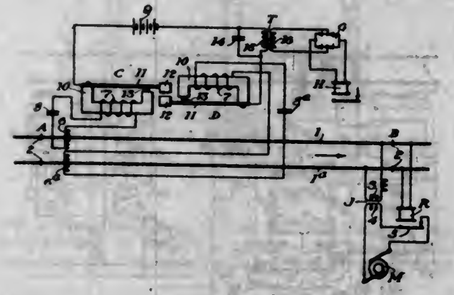
1. A printing mechanism for an adding machine or the like, including a platen roll and an ink ribbon, and a bracket having depending hooks extending downward in front of the face of the roll for receiving and supporting a sales bill or the like between the ink ribbon and the forward face of the platen roll.

1,629,616. MECHANISM FOR FEEDING FILLED CANS TO CLOSING MACHINES. HENRY A. FINK, Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 17, 1925. Serial No. 56,922. 4 Claims. (Cl. 198—22.)



1. In a closing machine, the combination of means for feeding filled cans in predetermined spaced relation to the closing devices, traveling means for receiving the filled cans at random and for delivering said cans one at a time to the feeding means, and a rotating timing screw associated with said traveling means and operating on the filled cans carried thereby for timing the cans, said timing screw having the delivery end thereof so shaped that said timing screw operates to time the cans by retarding the forward movement thereof through the movement of the traveling means and to actively force a can forward as it is delivered to the feeding means so as to insure the proper spacing of the delivered cans from those following thereafter whereby the feeding means can get behind the delivered can without tilting or jostling the same.

1,629,617. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed June 11, 1924. Serial No. 719,332. 11 Claims. (Cl. 246—63.)



11. In combination, a railway, a source of alternating current connected across the track rails thereof, two train carried windings in inductive relation with said two track rails respectively, two relays receiving energy from said two windings respectively, and each including an armature tuned to mechanical resonance at the frequency of said alternating current, a contact controlled by said relays and closed when both relays are energized due to an alternating current flowing through said two rails in series but not when both relays are energized, due to an alternating current flowing through the two rails in multiple, and train governing mechanism controlled by said contact.

1,629,618. PROCESS OF TRANSFERRING VITAMINES. SIGURD GRØNNINGSÆTER, Brooklyn, N. Y., assignor of one-half to Fischer Hollinshed Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 2, 1926. Serial No. 145,915. 8 Claims. (Cl. 99—11.)

8. The process of transferring vitamines, which consists in reacting a vitamine containing substance with sodium hydroxide in the presence of an excess of alcohol at a temperature of approximately 80° C., adding oil to the reacted mass, and adding water to the said mixture to cause the transfer of the vitamines to said oil.

1,629,619. PRIMARY STRAINER FOR CELLULOSE, WOOD PULP, ETC. CHRISTIAN MARTIN HANSSEN, Mjondalen, Norway, assignor to A/S. Thunes Mek. Verksted, Skoyen, near Oslo, Norway. Filed Nov. 18, 1926, Serial No. 149,224, and in Norway Nov. 26, 1925. 4 Claims. (Cl. 92—29.)



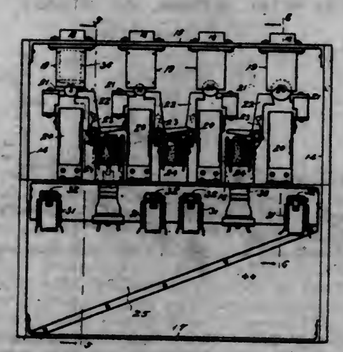
1. Coarse-straining apparatus for sorting cellulose, wood pulp and the like, comprising a pulp channel, a scooping wheel, the shaft of which is arranged transversely to the pulp channel and the scoops of which are made as coarse strains or gratings corresponding approximately to the cross section of the pulp channel, so that the scoops during their movement through the pulp in the pulp channel sweep with them knots and impurities but allow the fine pulp to pass.

1,629,620. MAIL-BOX STATION. MINNIE M. HARMONY, Canton, Ohio. Filed Apr. 28, 1926. Serial No. 105,117. 4 Claims. (Cl. 232—24.)



4. A mail box station including a section having a closure panel including plural walls, one of the walls having apertures therein and being spaced from the other wall, and the other wall being imperforate opposite the apertures, a plurality of box compartments in the section, each compartment having a pair of opposite open ends, a mail box having a slotted end and a lockable door end opposite each other, the box interchangeably fitting in any of the compartments, and a catch operable from the interior of the box for cooperation with one of the apertures in one of the walls for retaining the box in any compartment.

1,629,621. CHANGE MAKING AND EJECTING MECHANISM. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed Aug. 8, 1923. Serial No. 656,416. 27 Claims. (Cl. 194—7.)



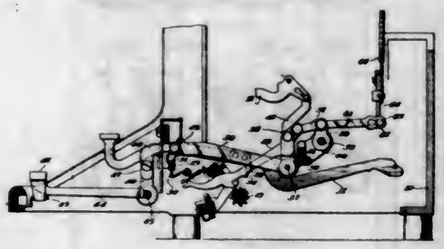
1. In a change-making and ejecting apparatus, the combination with ejector devices and manually controlled means to actuate the same of coin receiving and retaining mechanism and means controlled by the actuation of the ejector devices for tripping said receiving and retaining mechanism, said manually controlled means being ineffective to actuate the ejector devices until a coin is deposited in said coin receiving and retaining means.

1,629,622. CONSTRUCTION OF CONCRETE PILES OR COLUMNS. ALFRED HILEY, Rickmansworth, England, assignor of one-half to Edward Le Bas, London, England. Filed Jan. 25, 1923, Serial No. 615,432, and in Great Britain Feb. 17, 1922. 3 Claims. (Cl. 61—57.)



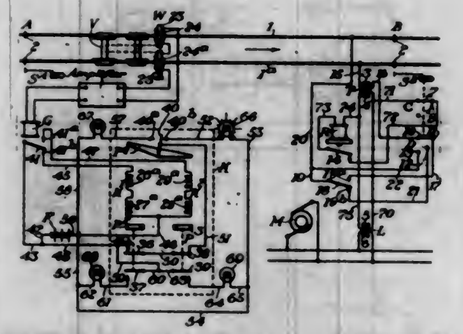
1. The method of constructing concrete piles or columns in situ, which comprises filling a tube in the hole for the pile with concrete and imparting upward and downward impacts to the tube to cause the tube to vibrate vertically whereby a portion of the concrete is freed by the upward motion of the tube caused by the upward impact and falls by gravity, and the deposited concrete is then tamped and consolidated by the downward movement of the tube under the influence of gravity and the downward impact, and the pile is thus built up in successive operations.

1,629,623. LETTER-SPACING MECHANISM FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Nov. 2, 1925. Serial No. 66,140. 5 Claims. (Cl. 197—82.)



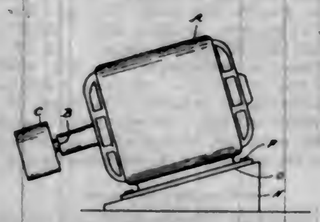
1. The combination with a typewriter having escapement mechanism, of electrically energized means for operating said escapement mechanism, a rock shaft journalled in the frame of said typewriter, arms projecting forwardly from said rock shaft, a letter space bar supported on said arms, an arm extending upwardly from said rock shaft, a pair of toggle links extending rearwardly from said upwardly projecting arm and connected therewith, and switch mechanism for controlling said solenoid, said switch mechanism being operated by said toggle links when said space bar is depressed.

1,629,624. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HAROLD O. HOLTE, Pittsburgh, Pa.; Halvor Holte, special administrator of said Harold O. Holte, deceased, assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1926. Serial No. 95,923. 24 Claims. (Cl. 246—63.)



1. In combination, a relay comprising two magnets, means for alternately energizing said magnets in such manner that the two magnets are energized for different proportions of a given interval of time, and a member constrained to occupy a first or a second position depending upon which magnet is energized for the larger proportion of such time interval.

1,629,625. COIN-WRAPPER CRIMPER. WILLIAM B. HOWARD, Detroit, Mich., assignor to Sattley Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 29, 1923. Serial No. 615,620. 10 Claims. (Cl. 93—5.)

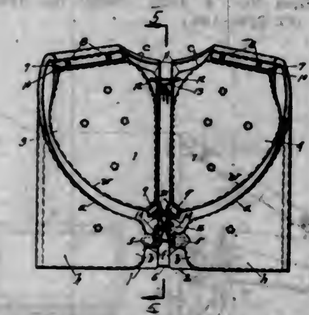


1. The combination of an electric motor having a rotatable shaft, a base having an inclined face to which said motor is attached thereby inclining said shaft at an angle to the horizontal crimping means for closing the end of a coin wrapper directly mounted upon the end of said shaft to rotate therewith, said crimping means being otherwise unsupported.

1,629,626. HOT-WATER VEST. JOHN JIRASEK, Detroit, Mich. Filed May 10, 1926. Serial No. 107,852. 3 Claims. (Cl. 128—259.)

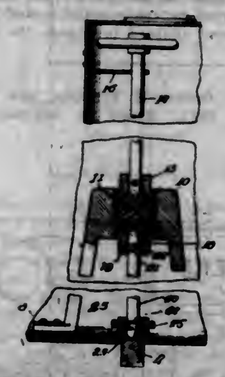
1. A water vest retainer adapted for fitting and inclosing the shoulders and upper portion of a human body for applying artificial temperatures, hot or cold, thereto, comprising two separated, flat front water receptacle sections, and two separated flat, back water receptacle sections, each formed, with a separate neck opening therein and each section made of a double walled construction of flexible waterproof material and capable of retaining water therein throughout, means for inserting

water in each of the front and back sections, said sections being so designed in their outer contour lines to



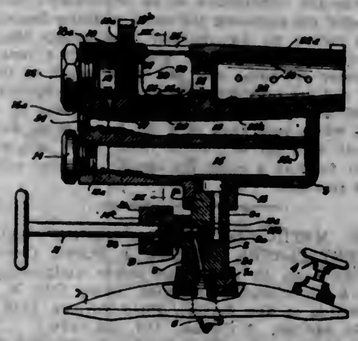
fold over the shoulders and fit together along the side section edges for forming a complete vest inclosure, and means for connecting said sections together when folded.

1,629,627. VALVE-CONTROL MECHANISM. GEORGE D. KAISER, Chicago, Ill. Filed Aug. 2, 1920. Serial No. 400,842. 8 Claims. (Cl. 137—21.)



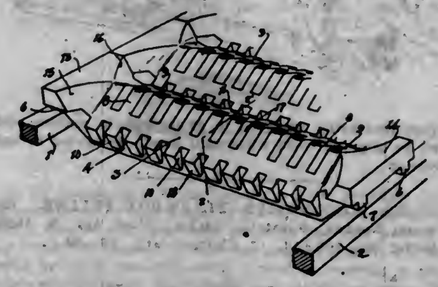
1. In combination with a vessel having flexible walls, a valve therein, a valve opening and closing member therefor, a control rod for the latter, and a threadedly supported member universally connected to both said rod and said valve opening and closing member.

1,629,628. BLOWTORCH AND POT. JAMES D. KELVIE, Jr., Massillon, Ohio. Filed Aug. 1, 1924. Serial No. 729,507. 14 Claims. (Cl. 158—33.)



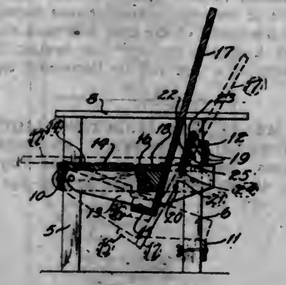
1. A blow torch for burning liquid hydrocarbon fuel and the like, including in communication with each other a tank for the fuel and a fuel control valve, and a burner nozzle having a plurality of apertures for selective communicating connection with the fuel control valve and the tank.

1,629,629. GRATE BAR. JOHN DANIEL MCDONALD, Winnipeg, Manitoba, Canada. Filed Jan. 5, 1926, Serial No. 79,381, and in Canada Sept. 22, 1925. 1 Claim. (Cl. 126—167.)



In a grate, the combination of a pair of parallel, spaced, upstanding, side bars having their ends terminating in horizontally disposed supporting lugs and their upper faces converging upwardly, a plurality of equispaced, vertically set, inverted V-shaped, cross bars carried by the side bars, said cross bars having the upper tips thereof centrally located and elevated in respect to the side bars and longitudinally aligned and their upper converging faces flush with the converging faces of the side bars and horizontally disposed spacing heads connecting the ends of the side bars and having their inner sides tapered to merge with the adjacent converging faces of the end cross bars.

1,629,630. CHAIR. ADOLPH MILLER, Kirkwood, Mo. Filed Apr. 27, 1925. Serial No. 26,053. 2 Claims. (Cl. 155—55.)

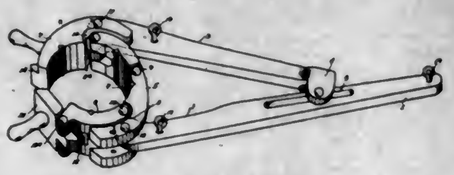


1. A chair comprising a pair of side members provided with legs, means for detachably securing said members together in spaced apart relation to each other, seat members pivotally secured at their forward ends to certain of said legs, their rear ends being free and unattached, a forward seat portion carried by said seat members, a cross piece pivotally carried by and between said seat members, a rear seat portion carried by said cross piece, a back secured intermediate its ends to said cross piece, and means for adjustably raising and lowering the rear ends of said seat members, said means also holding said members in adjusted position.

1,629,631. TONGS AND THE LIKE. GEORGE E. NIX, Electra, Tex. Filed July 12, 1926. Serial No. 121,859. 7 Claims. (Cl. 81—66.)

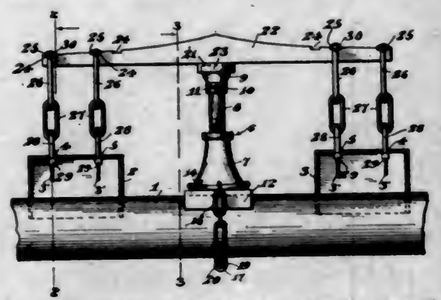
1. A wrench having a collapsible work engaging element comprising a series of curved pivoted jaws and a latching means; a handle having eccentric pivotal en-

gagement with a pair of said jaws; an arm having eccentric pivotal engagement with another pair of said jaws and having sliding engagement with said handle, said



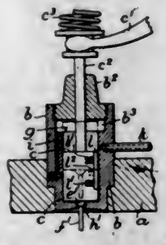
engagement being arranged to co-operatively contact said jaws to grip the work when said handle is moved in one direction.

1,629,632. LOCOMOTIVE-CELLAR-BOX PULLER. EDWARD NOBLES, Pocatello, Idaho. Filed Apr. 9, 1926. Serial No. 100,843. 7 Claims. (Cl. 29—84.)



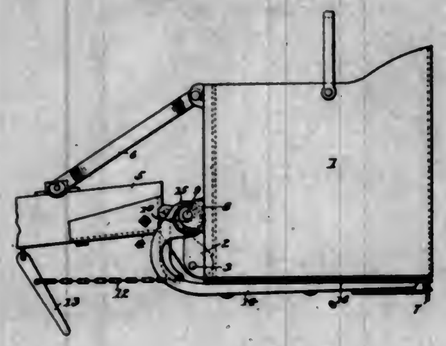
1. In a pulling device for the purpose set forth a coupling plate adapted to be carried by a vertically movable element, a yoke having the upper ends of the arms thereof connected to said plates, a link depending from the lower end of the yoke, a hook shaped member depending from the lower end of the link, said hook shaped member being of L-shaped contour and having its vertical leg in the form of a link and its horizontal leg solid.

1,629,633. MEANS FOR INJECTING LIQUID FUEL INTO INTERNAL-COMBUSTION ENGINES. SIMON DOKK OLSEN, London, England. Filed July 25, 1925, Serial No. 46,147, and in Great Britain Apr. 30, 1924. 8 Claims. (Cl. 123—33.)



1. In a liquid-fuel injector, the combination of a double-ended injector chamber having an injection orifice directly between it and the engine cylinder, a plunger in said chamber, means for admitting compressed air from the engine into said chamber as the plunger retires, means for forming a mixture of air and fuel at one side of the plunger and completing such mixture at the other side, and a device for restricting said orifice during the injection, substantially as described.

1,629,634. DIPPER-DOOR LATCHING AND UNLATCHING MEANS. JAMES A. ORNDORFF, East Palestine, Ohio. Filed Nov. 4, 1926. Serial No. 146,118. 5 Claims. (Cl. 214—146.)



4. In combination with a dipper body having a keeper, a shaft journaled upon the body, eccentrics carried by the shaft, a door carried by the eccentrics, and a bolt carried by the door and adapted to engage the keeper.

1,629,635. TOY. GEORGE H. PARSONS, New York, N. Y. Filed June 18, 1923. Serial No. 646,162. 1 Claim. (Cl. 35—9.)

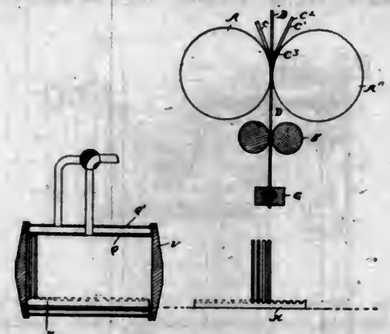


In a toy the combination of an annunciator, a pneumatic motor for operating the same, a device for actuating said motor, an air chamber intermediate the said device and said motor, cards which one at a time will form a cover extending over the entire length of the air chamber and are provided with a number of distinctively positioned air openings and a number of sets of other cards in which each card of a set has a cover for one of the air openings of one of those cards hereinabove named as forming a cover for the air chamber substantially as specified.

1,629,636. METHOD OF MANUFACTURING STORAGE-BATTERY PLATES. WILLIAM J. PLEWA, Cleveland, Ohio, assignor, by direct and mesne assignments, to Plewa & Hutchinson Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 24, 1919. Serial No. 340,386. 5 Claims. (Cl. 136—176.)

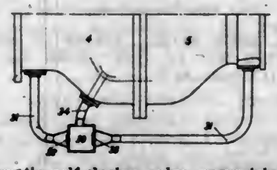
1. The method of producing storage battery plates, comprising the successive casting and advancement of the grids in continuous series, filling the grids with active

material during advancement, subjecting the filled plates immediately and before they have had time to dry to a



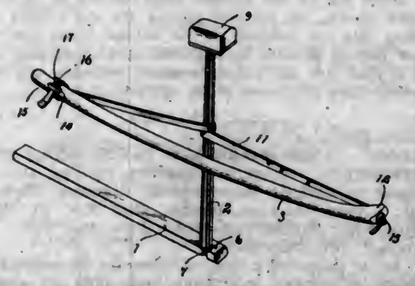
heated atmosphere under pressure, and subsequently relieving the pressure to effect drying of the active material in a porous condition.

1,629,637. AUTOMATIC SELF-CLOSING VALVE. OWEN ALFRED PRICE, Kilmarnock, Scotland. Filed June 26, 1926, Serial No. 118,852, and in Great Britain June 27, 1925. 5 Claims. (Cl. 137—139.)



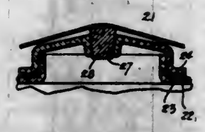
4. An automatic self-closing valve, comprising, in combination with a main conducting channel for fluid having a zone of restricted cross-sectional area, there being unequal pressures in said zone and in the main channel of unrestricted cross-sectional area, a valve-forming plunger movable in said channel in the vicinity of said zone, said plunger having its closing movement in the direction toward said zone, said plunger being exposed at its opposite ends to said unequal pressures, an annular body surrounding said plunger and spaced from the interior wall of said channel, a balancing piston movable with said plunger, said piston subject on its opposite sides to unequal fluid pressures, and means serving normally to hold said plunger stable in open position but adapted to be overcome on a variation of the differential pressure between said main channel and said zone occasioned by a given change of flow conditions to permit automatic closing movement of said plunger.

1,629,638. FRICTION FIRE STARTER. JAMES C. RAMSEY, Roswell, N. Mex. Filed Nov. 2, 1926. Serial No. 145,819. 7 Claims. (Cl. 67—3.)



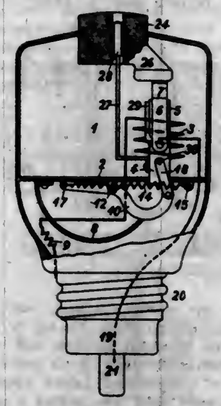
7. A drill actuating bow having an opening adjacent one end and adjacent its other end formed with openings spaced from each other longitudinally of the bow, and a bow string having one end portion passed through the first opening and held against withdrawal, the other end portion of said string being threaded through the other opening in opposite directions and wrapped about the bow and extending beneath a portion extending between the openings.

1,629,639. JAR CLOSURE. JOHN O. ROLLINS, West Los Angeles, Calif. Filed Dec. 26, 1924. Serial No. 758,190. 2 Claims. (Cl. 215—33.)



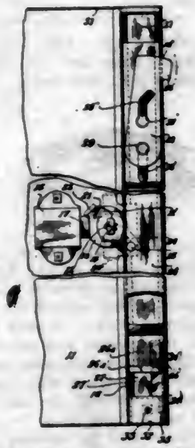
1. In combination, a jar having a neck provided with an annular shoulder, a gasket seating against the shoulder, a closure cap removably fitted on the neck and having a portion adapted to bear against the gasket, the cap being provided centrally with a tapered opening, a plug removably fitted in the opening and projecting above the plane of the cap, and means separable from the jar and adjustable vertically on the latter with respect to the cap operating when moved towards the cap to engage the projecting portion of the plug so as to force the latter into sealing engagement with its opening and as a result of the force exerted against the plug to simultaneously force the closure cap into sealing engagement with said annular shoulder.

1,629,640. AUTOMATIC ELECTRIC-CIRCUIT BREAKER. HEINRICH SCHACHTNER, Mannheim, Baden, Germany, assignor to Stotz G. m. b. H. Abt. der Brown, Boveri & Cie. A.-G., Mannheim, Germany. Filed Aug. 19, 1926, Serial No. 130,205, and in Germany Nov. 8, 1924. 3 Claims. (Cl. 200—88.)



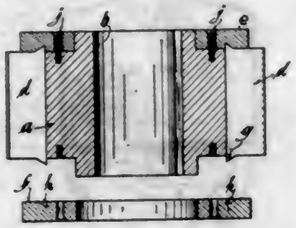
3. In an automatic electric overload circuit breaker in combination with two contact pieces normally pressed together by springs, a solenoid coil, a solenoid core, an insulating slide connected to said core and disposed below said contact pieces, a press button normally raised by spring action, a second insulating slide provided on said press button and disposed above said contact pieces opposite to and in alignment with the first said slide, a pair of metal arms, said springs and said metal arms bridging over said solenoid, the fixed ends of said arms being connected to those of said springs and the free ends of said arms being disposed adjacent to said contact pieces above said solenoid coil and said solenoid core.

1,629,641. LOCK. JULIUS H. SCHLAFLY, Canton, Ohio, assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 13, 1924. Serial No. 731,760. 9 Claims. (Cl. 292—110.)



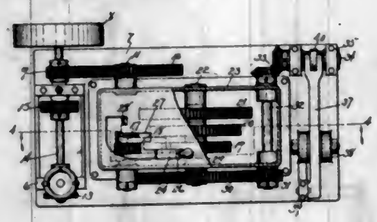
7. A unitary lock assembly including a base bar, an operating bar movable endwise only on the base bar and provided with a cam pin, a lever bolt pivoted on the base bar and having a cam slot engaging the cam pin for swinging the lever bolt to and fro by alternate endwise movements of the operating bar, and trip means for maintaining the operating bar when moved fully one way.

1,629,642. FEED ROLLER FOR SAWING, PLANING, AND LIKE MACHINES. THOMAS SHURMER, Stockport, England. Filed May 26, 1925, Serial No. 33,067, and in Great Britain Jan. 1, 1925. 1 Claim. (Cl. 144—250.)



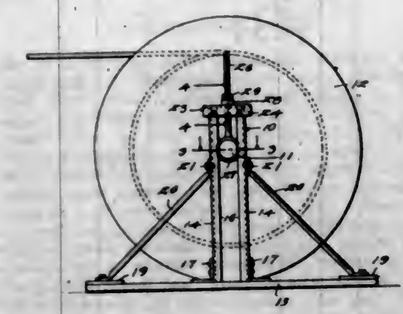
A feed roller for sawing, planing and like machines comprising a cylindrical core having a central shaft receiving bore and provided at each end with a central boss, said core being provided in its outer portion with annular series of longitudinal slots extending to the periphery of the core, said core having a relatively large solid portion between the walls of the slots and the shaft receiving bore, detachable plates of approximately oblong form and mounted in the said slots and having the major portion of their side edges in flush relation with the end faces of the bore, said plates being provided at the inner portions of their ends with projecting wedge-shaped corner formations, the outer portions of the plates projecting from the core and constituting feeding teeth, annular detachable end plates fitted on the said bosses and of uniform diameter with the core and provided at their inner faces with annular grooves conforming to the configuration of and receiving the wedge-shaped formations of the plates, and fastening means piercing the annular plates and securing the latter to the core at a point between the slots and the bosses.

1,629,643. WIRE-CUTTING MACHINE. ELMORE F. SHUSTER, New Haven, Conn. Filed July 8, 1924. Serial No. 724,768. 3 Claims. (Cl. 140—140.)



1. In a machine for feeding wire and cutting the same into different lengths, said cutting means including a driven shaft, a second driven shaft, a plurality of gears of different diameters secured to the second shaft, a sleeve splined on the first shaft, a pinion fixed to the sleeve, a lever having one end pivotally supported on the sleeve and extending upwardly therefrom, a gear journalled on the lever in mesh with said pinion and movable by the lever to selectively mesh with the gears on the second shaft and a wire cutter driven by the second shaft.

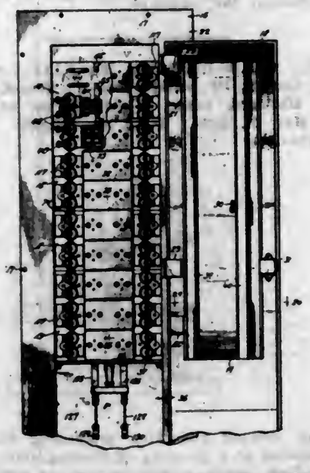
1,629,644. REEL JACK. ANDREW J. SPEIRS, Jenks, Okla. Filed May 15, 1926. Serial No. 109,423. 1 Claim. (Cl. 242—85.)



A wire line spool jack comprising a spool receiving shaft and standards for supporting the opposite ends of the shaft each comprising a base, a pair of parallel channel irons arising from the base having their channels opposed and the free edges of their flanges spaced apart a distance equal to the diameter of the shaft, a cap for the upper end of the channel irons having an opening formed therein, an eye bolt having the eye thereof extending into the channels of the channel irons and the shank thereof directed through the opening of said cap and a wing nut operatively engaged with the cap and threaded upon the shank of the eye bolt.

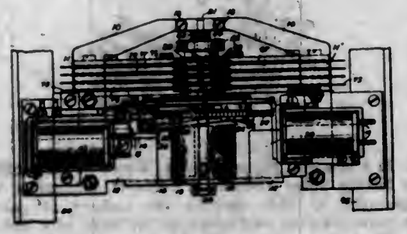
1,629,645. PANEL BOARD AND PANEL-BOARD CONSTRUCTION. HENRY F. STARRETT, Chicago, Ill., assignor to Starrett Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1919. Serial No. 337,068. Renewed June 16, 1924. 30 Claims. (Cl. 175—309.)

1. In a panel-board art, a structure comprising a plurality of portable interfitting basic units of varying capacities, circuit controlling apparatus mounted on each of said units, conducting plates positioned on said units having arms thereof on each side of said units, said conducting arms on the front of said units being electrically connected to said circuit controlling apparatus, and means adapted to be removably connected to the said conduct-



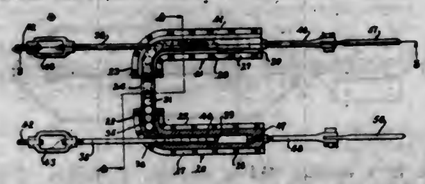
ing arms on the rear face of said units, whereby said circuit controlling apparatus can be interconnected in any one of a desired plurality of electric wiring systems.

1,629,646. AUTOMATIC SWITCH. FRITZ ALDENDORFF, Berlin-Wilmersdorf, Germany, assignor of one-fourth to Paul Kollsch, New York, N. Y. Original application filed Oct. 17, 1922, Serial No. 595,187, now Patent No. 1,592,323, dated July 13, 1926, and in Great Britain July 17, 1922. Divided and this application filed Oct. 28, 1925. Serial No. 65,304. 25 Claims. (Cl. 179—275.)



1. A finder switch comprising bank contacts, wipers that cooperate with said bank contacts, a rotary wiper carrier, and a carrier stopping member that moves parallel to the direction of the length of the carrier axis and arrests the carrier when the wipers have reached a desired position.

1,629,647. BRAKE-EQUALIZING MECHANISM. ALBERT F. ANDERSON, Pasadena, Calif. Filed May 4, 1925. Serial No. 27,708. 3 Claims. (Cl. 188—204.)

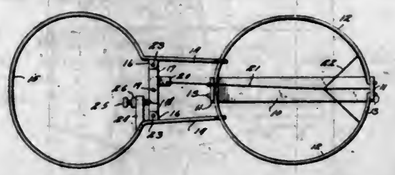


1. In a brake equalizing mechanism, in combination with a power propelled vehicle provided with a pair of wheel brakes and a brake operating pedal, a pair of brake pull rods divided into front and rear sections, the rear sections being pivotally secured to the wheel brake mechanisms and the front sections to the vehicle brake pedal, a frame member provided with a ball raceway rigidly secured to the free ends of the front pull rod sections, a plurality of balls disposed in said raceway, the space occupied by the balls being less than the length of the raceway, the free ends of the rear pull rod sections engaging the end balls in the raceway, whereby on a braking operation the pull exerted by the rear rod sections on the wheel brakes will be equalized.

1,629,648. GLASS COMPOSITION. WARREN F. BLEECKER, Boulder, Colo. Filed July 22, 1922. Serial No. 576,886. 2 Claims. (Cl. 106—36.1.)

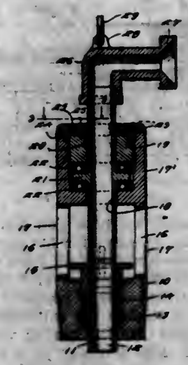
1. A transparent, henna colored lead glass resulting from a composition consisting of sand 75 parts, soda ash 80 parts, litharge 70 parts, borax 20 parts, nitre 30 parts, and uranium oxide from 4 to 24 parts.

1,629,649. ANIMAL TRAP. CARL W. BORG, Aberdeen, Wash. Filed Dec. 4, 1926. Serial No. 152,641. 3 Claims. (Cl. 43—88.)



1. A trap comprising a base, opposed jaws pivoted upon the base for movement towards or from each other, an approximately U-shaped spring having legs engaging the jaws, the spring urging the jaws towards each other and means for holding the jaws apart comprising a pair of overlapping links pivoted to the legs of the spring and pivoted to each other, a stop for limiting the movement of the legs past their pivotal centers in one direction, and a trip connection connected to one of said links and when struck pulling the links past their centers in the other direction.

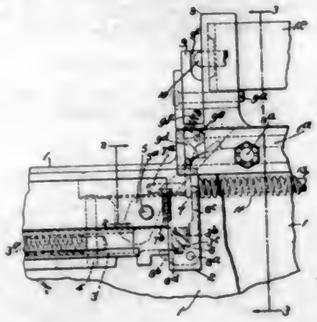
1,629,650. SWIVEL CIRCULATING HEAD. WALTER BRAUER, Seminole, Okla. Filed Nov. 20, 1926. Serial No. 149,718. 2 Claims. (Cl. 255—25.)



1. In a swivel of the type described and in combination with a wash pipe, a member exteriorly threaded to engage in a drill pipe coupling and having a bore for the passage of the wash pipe, the bore of the member being enlarged at its upper end to produce a packing chamber, a gland

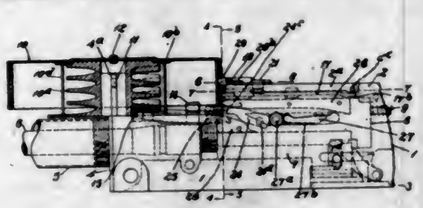
for said chamber, columns arising from the member at diametrically opposed points, a cup supported by said column and having an opening in its bottom for the passage of the wash pipe, the wash pipe within the cup being provided with a flange, a nut surrounding the wash pipe and having threaded engagement with the interior of the wall of the cup, thrust bearings between the nut and said flange and between the flange and the bottom of the cup and means at the upper end of the wash pipe for attaching the wash pipe to hoisting apparatus and to a source of fluid under pressure.

1,629,651. FIRING MECHANISM FOR AUTOMATIC FIREARMS. JOHN M. BROWNING, Ogden, Utah; John Browning executor of said John M. Browning, deceased. Filed Sept. 19, 1924. Serial No. 738,675. 8 Claims. (Cl. 89—2.)



4. In an automatic firearm, the combination of a spring-actuated firing member, means for automatically moving said member to cocked position, a sear for engagement with said firing member to hold the same in cocked position, and means whereby, in the cocking movement of said member, said sear is positively moved to its operative position.

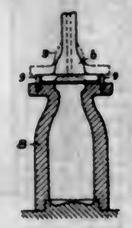
1,629,652. CARTRIDGE-FEEDING MECHANISM FOR AUTOMATIC FIREARMS. JOHN M. BROWNING, Ogden, Utah; John Browning administrator of said John M. Browning, deceased. Filed July 8, 1925. Serial No. 42,301. 16 Claims. (Cl. 89—2.)



11. In an automatic machine gun having a recoiling breech block carrying an extractor for successively removing cartridges in rearward direction from a position laterally of the barrel in the recoil of said breech block, the combination of a pivoted carrier mounted on said breech block and adapted to engage the cartridge being so rearwardly removed, said carrier having an integral projection thereon, and cams arranged on a side plate of the breech casing in co-operative relation with said projection to control the transverse movements of the carrier for bringing the cartridge engaged thereby into alignment with the barrel axis.

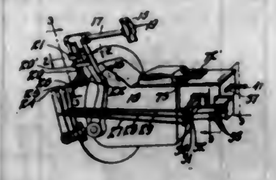
14. In an automatic firearm, the combination of a casing carrying a post, a magazine seated on said post and having a fixed member and a rotary member, a latch on said casing for releasably securing the magazine on the gun, and means on the magazine and separate from the latch for disengaging the said latch to permit the removal of the magazine.

1,629,653. GLASS-BLOWING MACHINE. CLINTON S. BUDD, Clarion, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 26, 1924. Serial No. 702,052. 11 Claims. (Cl. 49—18.)



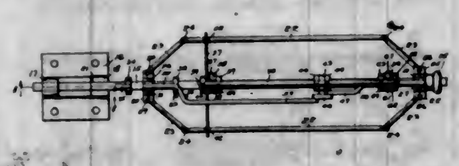
1. Glass blowing apparatus comprising blowing elements disposed at a plurality of blowing stations, a plurality of blow molds, means for moving said molds to said stations in succession, and means for automatically and selectively preventing a blowing operation on certain of said molds at one of said stations.

1,629,654. AUTOMATIC GEAR SHIFT FOR AUTOMOBILES. FOREST S. CARTWRIGHT, Indianapolis, Ind. Filed Nov. 6, 1925. Serial No. 67,450. 12 Claims. (Cl. 74—58.)



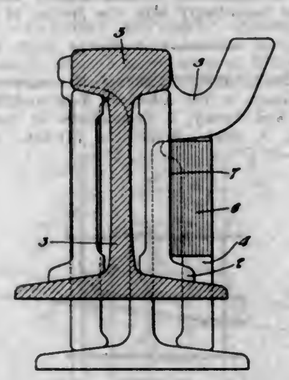
1. In a gear-shifting mechanism, a pair of gear shifting rods having yokes thereon, a rockarm engageable with either yoke, a table carrying the rockarm, a pair of slide bars, coacting abutments on the slide bars and the table for reciprocating the table, means for reciprocating the table in another direction, means for oscillating the rockarm, and manually operated levers for selectively shifting said slide bars, substantially as set forth.

1,629,655. SAUSAGE-MAKING MACHINE. CLARENCE CURRY, Richmond, Va. Filed Mar. 22, 1927. Serial No. 177,386. 7 Claims. (Cl. 17—34.)



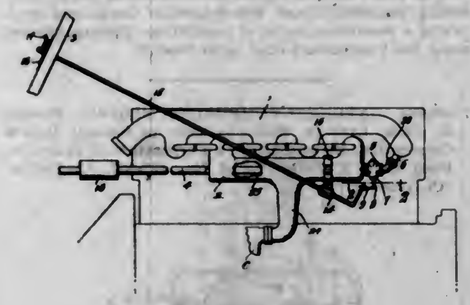
1. In a sausage linking machine, a support, a reel rotatable upon the support and embodying a smoke stick which is bodily removable from the other elements of the reel.

1,629,656. METHOD OF WELDING AND ARTICLE PRODUCED THEREBY. WILLIAM DISHONG, Johnstown, Pa. Filed Sept. 9, 1926. Serial No. 134,472. 3 Claims. (Cl. 238—164.)



1. The method of joining metal sections, the ends of which are not in alinement, which consists in welding a separate block of metal to the side face of one of said sections adjacent the end of said section and then butt-welding the other section to said separate piece of metal.

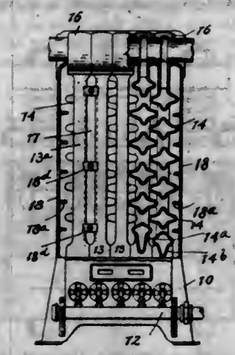
1,629,657. MANIFOLD HEATER. JESSE B. FORSHAY, Denver, Colo., assignor of one-half to B. E. Weldy, Denver, Colo. Filed Nov. 28, 1923. Serial No. 677,583. 1 Claim. (Cl. 257—241.)



The combination with the intake and exhaust manifolds of an internal combustion engine, of a conduit branched off from the exhaust manifold and extended through the intake manifold, the conduit being made up of a plurality of separate pipes so grouped with respect to each other, transversely, as to form, within the intake manifold, a recess in the bottom of the conduit, the walls of the recess diverging downwardly and laterally.

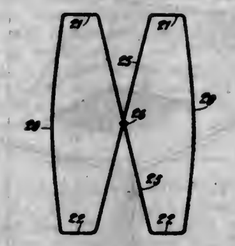
1,629,658. WATER HEATER. OTTO FOX, Lakewood, Ohio, assignor to The Bryant Heater Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 23, 1922. Serial No. 531,022. 7 Claims. (Cl. 122—210.)

1. A water heater comprising a series of water circulating elements arranged side by side and each comprising upright water conveying portions and transverse ducts extending between the same, burners arranged beneath



the elements, the ducts of adjacent elements being staggered, and the bottom portions of the lowermost ducts of said elements being at substantially the same level.

1,629,659. TROUSER STRETCHER. ROBERT FREY, Altoona, Pa. Filed July 8, 1925. Serial No. 42,181. 2 Claims. (Cl. 223—19.)

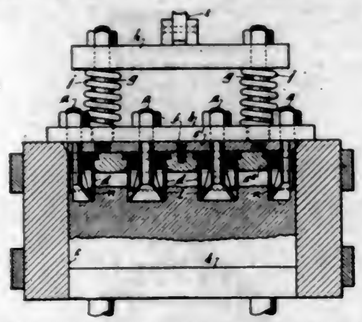


1. In a trouser stretcher the combination of a pair of flexible bows, each bow comprising a flexible crown member, flexible top and bottom members extending from the opposite ends of each crown member, and inclined straight connecting members connecting the top member of one bow and the bottom member of the other bow.

1,629,660. APPARATUS FOR FORMING DOVETAIL OR UNDERCUT RECESSES IN CLAY OR OTHER PLASTIC MATERIAL. LUCIEN GAISMAN, Audenshaw, near Manchester, and ARTHUR EDWARD BROWN, Brentwood, England, assignors to Universal Rubber Paviors (Manchester 1923) Limited, Audenshaw, near Manchester, England, a British Company. Filed Feb. 5, 1926, Serial No. 86,311, and in Great Britain Feb. 9, 1925. 5 Claims. (Cl. 25—44.)

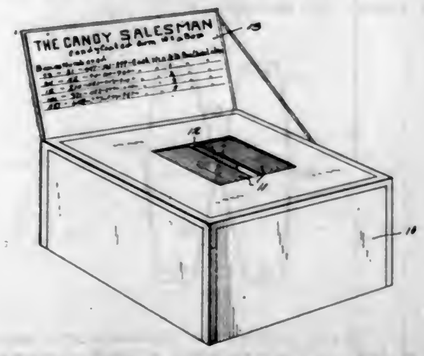
1. In means for forming dovetail or undercut recesses in plastic materials, a rod with enlargement at one end, such enlargement being part of a cone, and a rubber sleeve slidably mounted on said rod, the bore of the sleeve at the part nearest the rod enlargement being of like shape to the enlargement and the wall of the sleeve at such part being flexible, and adapted to spread out on engaging the rod enlargement, the outer diameter of the sleeve being similar to that of the larger part of the rod enlargement, means whereby the rod is held supported, further means whereby the sleeve is held supported and clear of the rod enlargement, and means whereby the said sleeve-supporting means may be yield-

ingly moved to force the sleeve against the rod enlargement and cause it to spread outwards and on the pressure being removed cause the sleeve to move clear of the



rod enlargement and to contract, the said rod supporting means, and sleeve-supporting means being movable, as one, as well as one being movable relatively to the other, as set forth.

1,629,661. CANDY-DISPENSING BOX. JOSEPH M. GERHARD, Sheridan, Wyo. Filed Nov. 23, 1926. Serial No. 150,316. 1 Claim. (Cl. 273—144.)



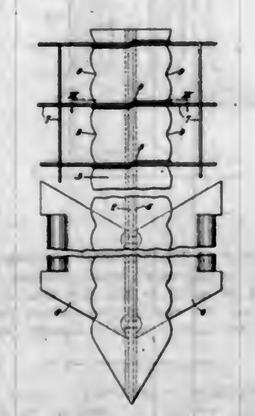
A dispensing device consisting of a box having an opening for the insertion of the hand, the opening being defined by elastic webs permitting the insertion of the hand but preventing observation of the contents of the box, the box containing relatively small packages, certain of the packages being numbered, and certain numbers drawing prizes.

1,629,662. JERK-LINE BREAK-OUT PULLEY. RICHARD D. HILL and WALTER W. FOSTER, Wichita Falls, Tex. Filed July 12, 1926. Serial No. 121,895. 8 Claims. (Cl. 192—31.)



8. An apparatus of the character described including in combination a revolving shaft; a fixed bushing; a member carried by said bushing having a line fixed thereto; a flanged member carried by said shaft, said flange arranged to operate freely within said pulley; stops spaced on said flange, and means carried by said pulley and co-operable with said stops to effect engagement and disengagement of said flanged member and first member accordingly with the motion of said first member.

1,629,663. FENCEPOST. PERCY J. HINDMARSH, Lincoln, Nebr., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Oct. 3, 1924. Serial No. 741,421. 4 Claims. (Cl. 256—57.)



1. A rolled metallic fence post consisting of a T-bar having relatively broad flat flanges or back, said back having a continuous series of undulations forming notches along the longitudinal edge faces thereof.

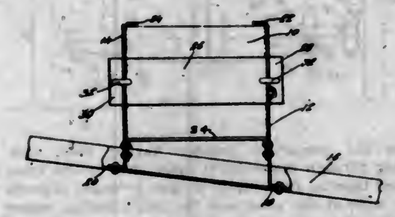
1,629,664. INTERNAL-COMBUSTION ENGINE. ROBERT K. JACK, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 2, 1921. Serial No. 497,957. 3 Claims. (Cl. 123—55.)



1. In an internal combustion engine, a crank case having two inclined supporting portions at its upper end; and two cylinder blocks identical in form with one another and having each a longitudinally extending cooling liquid

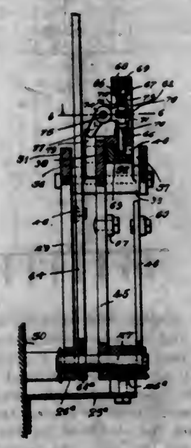
supply conduit located substantially midway between the ends of said block, and which conduit is open at both its ends, and the valves of which blocks are operated by a single cam shaft supported by said crank case.

1,629,665. BATTERY SUPPORT. ROBERT K. JACK, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 6, 1924. Serial No. 730,529. 3 Claims. (Cl. 180—68.5.)



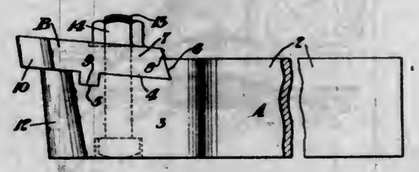
3. A storage battery support to be carried by one of the members of an automobile chassis frame, including a pair of spaced arms extending laterally from a chassis frame member, having their outer extremities inturned toward but spaced from each other to form alined terminal flanges, a U-shaped strap secured at its upper ends to said arms and adapted to support a battery upon the bottom cross portion, and a brace strap connecting the lateral arms and positioning the battery to be supported on the cross portion between said terminal flanges and brace strap.

1,629,666. TRANSMISSION CONTROL. RAYMOND W. KEELER, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed July 13, 1926. Serial No. 122,259. 16 Claims. (Cl. 74—89.)



1. In combination with a transmission mechanism including a clutch and direction selection mechanism having "forward," "reverse" and "neutral" positions, an operating control lever for the direction selection mechanism having a latch whereby it is locked against movement in each of the positions of the direction selection mechanism and a control lever for said clutch alignable with the first named control lever in any of the positions of said direction selection mechanism and when aligned therewith disengaging the sections of the clutch, said clutch control lever being operable to release the latch of the control member and when positioned to release the latch of the control member having engagement with the control member whereby the control member shifts therewith.

1,629,667. METAL-CUTTING TOOL. JAMES D. KNIPPLE, Johnstown, Pa. Filed Oct. 15, 1926. Serial No. 141,751. 2 Claims. (Cl. 29—96.)



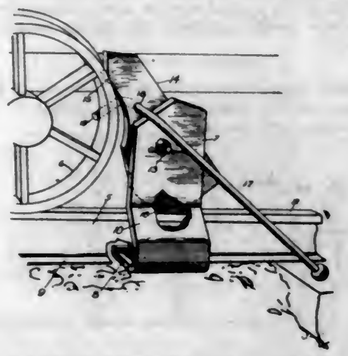
1. A tool of the class described, comprising a shank, an enlarged cutter supporting head formed integral with the lower end of said shank, said head having its forward face recessed from its lower end upwardly and inwardly to form a cutter bit seat, the rear wall of said seat being provided with a slot extending at right angles to the longitudinal axis of the tool and the top wall of said seat being undercut to provide an overhanging retaining flange, and a high-speed tool steel cutter bit mounted in said cutter seat, said bit having its upper end beveled so as to project and engage under said retaining flange, a supporting rib projecting from the rear face of said bit and engaged in said slot in the rear wall of said seat, and means for locking said bit against displacement relative to said seat.

1,629,668. FURNACE-ROOF CONSTRUCTION. GUS F. LENK, Dallas, Tex. Original application filed Aug. 1, 1924, Serial No. 729,652. Divided and this application filed Jan. 8, 1926. Serial No. 79,948. 1 Claim. (Cl. 110—99.)



The combination with a plurality of spaced parallel flanged beams, of a plurality of roof block hangers each carrying a single block and each comprising an upright angular U-shaped clip having its upper ends engaging over the bottom flanges of one of the beams and a bolt passing transversely through the clip immediately under said beam for preventing vertical displacement of the clip and for confining it on the beam, each hanger also comprising an eye bolt depending from the lower end of the clip and supported by a nut within the clip, a pair of parallel angular clamp bars having adjacent gears at their center between which the eye bolt is pivoted, the clamp bars extending along each side in the upper portion of each block and over the top of said block, whereby said block is suspended from its sides and not from its top.

1,629,669. RAILWAY SAFETY BLOCK. JOHN LIPPIS, Brookside, and MATHEW E. SOMERVILLE, Canon City, Colo. Filed Apr. 13, 1926. Serial No. 101,746. 8 Claims. (Cl. 104—258.)



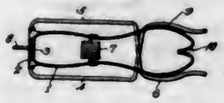
1. A safety block for railway cars comprising a stand having a foot to engage beneath a rail of a railway track, and a dog pivoted on the stand, the dog having a lever arm to be engaged by a car wheel on the rail, and a cam face for engagement with the head of the rail.

1,629,670. MOUNT FOR PHOTOGRAPHS AND THE LIKE. GUSTAVE A. MALME, Racine, Wis., assignor to Edward N. Lodge, Columbus, Ohio. Filed Jan. 12, 1926. Serial No. 80,782. 6 Claims. (Cl. 40—159.)



6. A mount for the purpose set forth having at its upper end an inverted pocket, the sides and upper edge of the pocket being attached to and overlying the face of the mount, the mount also having corner retaining slits at the lower end for receiving the corners of object while the upper end of said object is in the pocket.

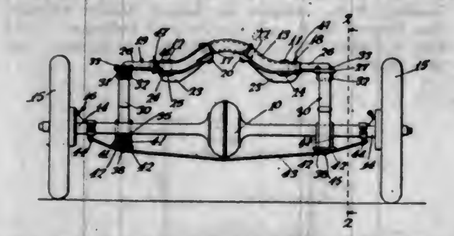
1,629,671. AUTOMATICALLY-ADJUSTABLE SPRING BRACKET. NICK ALIKAKOS, New York, N. Y. Filed May 15, 1926. Serial No. 109,290. 2 Claims. (Cl. 248—22.)



1. An automatically adjustable spring-clamping bracket comprising a unitary flat spring metal bent in the shape of a hair pin having the free ends thereof curved inwardly and from the center of the loop of the hairpin an extension, the end of which is folded on itself forming a socket in which socket is hinged a spring wire brace.

1,629,672. REAR-SPRING CONSTRUCTION. HERBERT ATHONS, Los Angeles, Calif. Filed Apr. 13, 1925. Serial No. 22,858. 3 Claims. (Cl. 267—36.)

1. In a vehicle wherein there is a rear transverse inverted channel shaped member and a rear axle housing, a rear spring construction comprising two arms mounted upon the ends of the transverse member, said arms having their ends projecting beyond the ends of the transverse member, ribs formed upon the top surfaces of the arms adjacent their outer ends which bear against the sides of the transverse member, said arms bearing against the underside of said transverse member and being widened adjacent their inner ends, U-bolts arranged



across the transverse member having their ends extending through the widened inner ends of the arms and secured thereto, full elliptic springs arranged between the outer ends of the arms and the axle housing, means for securing the upper leaves of each spring intermediate their ends to the outer end of their respective arm and means for securing the lower leaves of each spring intermediate their ends to the axle housing.

1,629,673. SANITARY DISPLAY AND VENDING DEVICE. CLINTON L. BELL, Decatur, and MORRIS S. KESSLER, Auburn, Ill., assignors, by mesne assignments, to Decatur Rotary Display Company, Decatur, Ill. Filed Mar. 8, 1924. Serial No. 697,942. 2 Claims. (Cl. 221—146.)

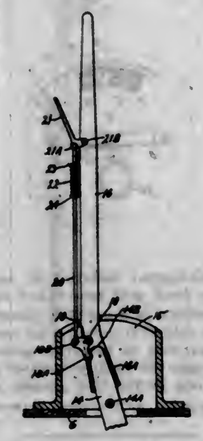


1. A sanitary display and vending device, comprising a standard, top and bottom bearings for the standard in which the same may be rotated, a plurality of bins connected in radial arrangement around the standard, a gravity discharge spout swingably connected with each bin, a valve for each spout to control the discharge therethrough, a rest on the standard for the free ends of the spouts, and means to hold the standard in adjusted positions.

1,629,674. SHAKER BAR FOR LOCOMOTIVE GRATES. VICTOR T. BJORK, St. Paul, Minn. Filed Mar. 7, 1925. Serial No. 13,928. 1 Claim. (Cl. 287—119.)

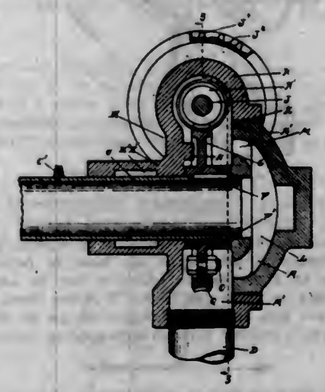
The combination with a grate bar lever oscillatable in a vertical plane and having a notch at its upper end, of a shaker bar adapted to removably engage the upper part

of said lever and means on said shaker bar for engaging said notch of the lever and further means intermediate the ends of said bar to disengage the bar from said lever, the part of the bar engaging the lever comprising an elongated socket adapted to slidably engage the stub lever, said means for engaging said stub lever comprising a dog pivoted on the shaker bar and adapted to



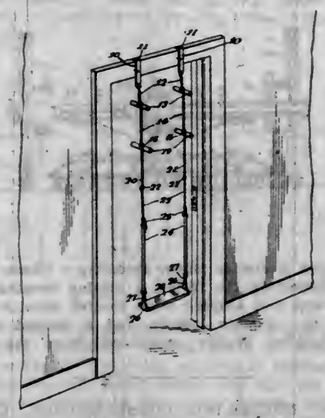
engage the notched portion of the stub lever said intermediate means comprising a finger lever pivoted on the bar above the dog, a rod connecting said finger lever and the dog, and further means holding said dog in said notch comprising a compression spring about said rod and under compression between a fixed arm on the lever and a washer on said rod.

1,629,675. BOILER-CLEANING DEVICE. FRANK BOWERS, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Nov. 21, 1918, Serial No. 263,476. Renewed Sept. 16, 1925. 4 Claims. (Cl. 122—392.)



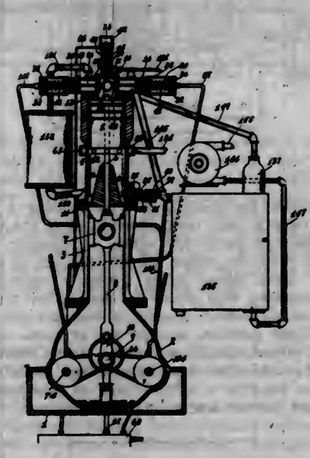
1. In a device for cleaning boilers, the combination with a rotatable blower unit and a steam supply pipe, of a fitting establishing a direct connection therebetween comprising a header into which both the steam supply and the blower unit open, said header having a removable cap, and said cap having passageways connecting the blower pipe with the supply pipe.

1,629,676. EXERCISING DEVICE. FRANK S. BUCKMINSTER, Pasadena, Calif. Filed June 22, 1926. Serial No. 117,716. 3 Claims. (Cl. 272—61.)



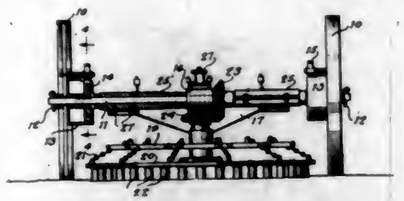
2. An exercising device comprising a pair of members which are adapted to be attached to the top of a door frame or the like, a rod for each member pivotally connected thereto and depending therefrom, a handle for each rod, each handle being secured centrally to the rod at its lower end, and a second pair of rods, each rod having a handle secured centrally thereto at the bottom of the rod, said rods having hooks formed on their upper end, said hooks having an off-set portion, thereby enabling them to be hooked about the lower ends of said first mentioned rods and to rest upon their respective handles.

1,629,677. COMBUSTION ENGINE. GEORGE L. BULL, Oakland, Calif. Filed Apr. 16, 1921. Serial No. 461,797. 5 Claims. (Cl. 60—16.)



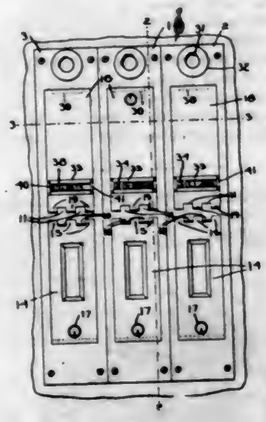
1. In a compound engine of the character described, a cylinder, a hollow piston reciprocable therein, means for alternately driving the piston from one end thereof by a combustible charge and by steam, the latter serving to cool the cylinder walls, and means for exhausting the used steam into the opposite hollow end of the piston for cooling the wall of the latter.

1,629,678. ROAD LEVELER OR PLANER. EDGAR A. BURROW, Brady, Tex. Filed Feb. 1, 1924. Serial No. 689,916. 7 Claims. (Cl. 97—43.)



1. A road leveler or planer including a frame, traction wheels supporting the frame, a driving member carried by the frame and adapted to be rotated about a vertical axis by the traction wheels, and a ground engaging driven member flexibly suspended from the driving member.

1,629,679. LETTER-BOX CONSTRUCTION. CLARENCE C. COLBY, Newton, Mass. Filed Dec. 5, 1923. Serial No. 678,563. 11 Claims. (Cl. 232—25.)



10. A device for holding mail comprising a plurality of compartments, said compartments each having a pair of openings one above the other, a plurality of doors adapted to close the upper set of openings in said compartments, said doors being pivotally mounted, and means connecting said doors to each other for causing simultaneous movement thereof, a lock for holding said doors in closed position, another set of doors for closing the lower set of openings in said compartments independent of each other and independent locks for these latter doors adapted to permit each of said latter doors to be opened independently of the others.

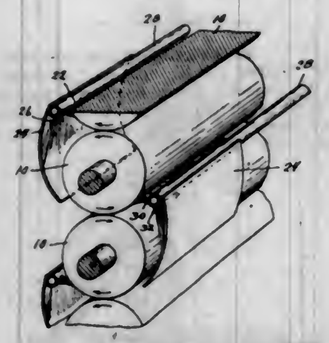
1,629,680. INSTRUMENT FOR LUMINOUS INDICATION OF QUANTITIES. GEOFFREY HASLEWOOD COOKE, London, England. Filed Mar. 30, 1926, Serial No. 98,596, and in Great Britain Apr. 3, 1925. 2 Claims. (Cl. 116—114.)

2. An instrument for luminous indication of quantities, comprising in combination a base board, a screen of opaque material fixedly supported therefrom, said screen having a through aperture, transparent material fixed to said screen to cover said aperture said transparent material on one side of the centre of said aperture being of a color different to and complementary to the color on the other side, a second similar screen the transparent material covering its similar aperture being of similar complementary colors but oppositely arranged to the



colors of the transparent material of said first screen, a pivot extending from said base board to pivotally support said second screen in a position opposite to, adjacent and parallel with said first screen, and means for adjusting one screen relatively to the other screen whereby the light visible through the similar colored portions of the transparent material of the two screens extends in proportion to the relative adjustment between the screens.

1,629,681. PAPER-MAKING APPARATUS. HERVEY G. CRAM, Millinocket, Me., assignor to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed Jan. 15, 1926. Serial No. 81,533. 13 Claims. (Cl. 92—74.)



1. The combination of the calenders of a paper making machine, means to provide an air blast to detach the paper from an upper roll to which it may be adherent, a guide plate to guide the paper to move downwardly about a lower roll, and means to provide an air blast to move the paper forcibly through said guiding means.

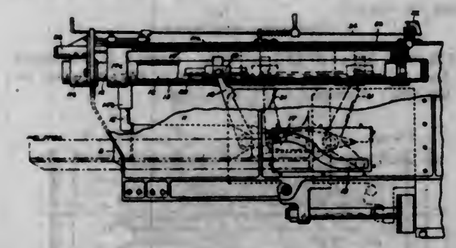
1,629,682. TICKET-HOLDING DEVICE. HARDY CROOM, Savannah, Ga. Filed Jan. 10, 1925. Serial No. 1,713. 4 Claims. (Cl. 211—37.)

1. A ticket holding device comprising a supporting plate for a ticket, a holding frame disposed above said plate and hingedly-connected therewith at one end, a knife blade carried by said frame transversely above said plate and having two stepped cutting edges and an intermediate diagonal connecting cutting edge, one or all of which cutting edges are disposed to act upon a ticket disposed therebeneath, said plate having a plurality of



teeth in that portion disposed beneath said knife blade, and yielding means urging said frame and knife blade toward said plate.

1,629,683. SEMIAUTOMATIC RAMMER FOR GUNS. AUGUST DABRASKY, Washington, D. C. Filed Oct. 5, 1925. Serial No. 60,615. 11 Claims. (Cl. 89—4.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



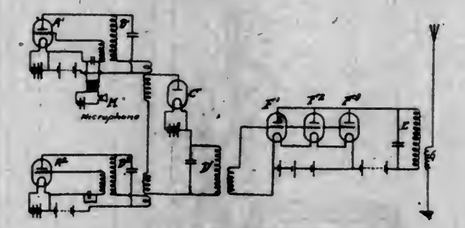
11. In combination with a gun, a rectilinearly movable rammer adapted to be energized for independent return to battery and a throw lever fulcrumed on the gun and releasably engaging the rammer, said lever adapted to be rotated whereby to increase the velocity of the rammer.

1,629,684. SHOE-STRING FASTENER. PAUL A. DE HAAN, Des Moines, Iowa. Filed Nov. 25, 1925. Serial No. 71,418. 1 Claim. (Cl. 24—117.)



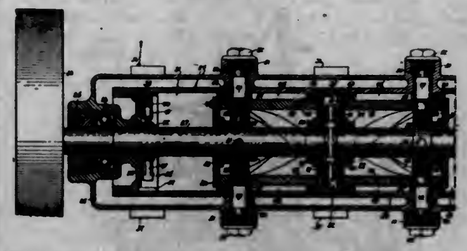
A shoe string fastener of the kind described, comprising a body rectangular in outline of slightly greater length than width, provided with a single substantially central hole and a single slot of less width than the diameter of the hole extending from the hole to one of the narrow ends of the body adjacent to the corner thereof on a diagonal line.

1,629,685. WIRELESS TELEPHONY. WILLIAM THEODORE DITCHAM, Twickenham, England, assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Dec. 18, 1920, Serial No. 431,584, and in Great Britain Feb. 28, 1920. 2 Claims. (Cl. 250—6.)



1. In a wireless telephone transmitter, the combination of two primary oscillatory circuits tuned to different frequencies, means for supplying continuous oscillations thereto, means whereby speech waves can vary the frequency of the oscillations in one of the circuits, and an oscillatory rectifying circuit tuned to a frequency substantially equal to the difference between the frequencies of the primary circuits and coupled to an aerial.

1,629,686. ENGINE. CHARLES A. DREISBACH, New Haven, Conn., assignor to Dreisbach Motors Inc., a Corporation of New York. Filed Aug. 12, 1926. Serial No. 128,752. 6 Claims. (Cl. 123—58.)



1. An engine comprising a cylinder, a plurality of coaxial reciprocating pistons located therein, means of limiting the said pistons to movement in a rectilinear path, a rotary shaft extending centrally through said pistons, helical cam grooves having reversely inclined reaches located within the said pistons, and transmission members secured to the said rotary shaft and engaging the said cam grooves whereby the rectilinear movement of the pistons acts to rotate the shaft.

1,629,687. UNION SUIT. LEONARD J. DUFFNER, Lynchburg, Va. Filed Nov. 2, 1926. Serial No. 145,806. 1 Claim. (Cl. 2—78.)

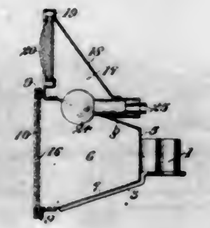
A garment comprising a body portion having leg extensions, said garment having longitudinally extending front and back openings communicating through the crotch and defining side sections, one side section having its seat portion provided with a side extension overlapping the seat portion of the other side section and extended downwardly well below the crotch and forwardly between the leg extensions in overlying relation to the inner side portion of the upper portion of the leg extension of the second-mentioned side section to form a crotch closure and reinforcement for the portion of the leg extension covered thereby, means to releasably secure

said seat extension to the seat portion of the second side section, a flap formed from a separate piece of material secured along the forward edge of the forwardly extending portion of said seat extension in overlying relation to a front portion of the leg extension of the second-mentioned side section and extending upwardly above the



crotch and secured to an adjacent edge of the first side section, means to releasably secure the upper and lower end portions of said flap to the leg extension of the second side section above and below the crotch respectively, and means to releasably hold the said side sections closed at the front.

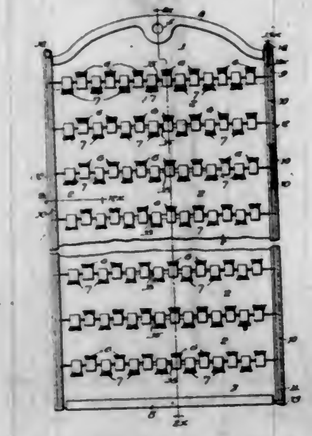
1,629,688. AUTOMOBILE LICENSE-PLATE HOLDER. GEORGE F. EDWARDS, Alameda, Calif. Filed July 29, 1925. Serial No. 46,726. 1 Claim. (Cl. 40—132.)



In combination with a plate provided on one face with character designs cut away to provide transparent portions; a reflector box having an open wall, said wall provided with opposing channeled edges for reception of said plate edges on its endwise movement thereinto to close said box wall opening; one of said channeled ends provided with an aperture; the end of the plate provided with an aperture adapted for alignment with the first mentioned aperture; a spring mounted upon said channeled end; a pin carried by said spring and adapted for yieldable holding thereby within said aligned apertures for detachably retaining the plate within the channeled edges; an attaching bracket secured to the box, said box provided with a lateral extension carried thereabove with its interior communicating with the interior of the box and provided with an opening parallel with the open box wall; a colored bull's-eye for closing the latter opening, and a single illuminating means within said box and common to said plate and bull's-eye.
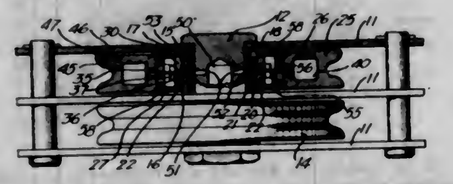
1,629,689. HEAT-RESISTING DAMPER AND THE LIKE. FRANK A. FAHRENWALD, Chicago Heights, Ill. Filed Apr. 21, 1926. Serial No. 103,656. 11 Claims. (Cl. 126—285.)

1. In a closing machine, the combination of means for feeding filled cans in predetermined spaced relation to the closing devices, traveling means for receiving the filled cans at random and for delivering said cans one at a time to the feeding means, and a rotating timing screw associated with said traveling means and operating on the filled cans carried thereby for timing the cans, said timing screw having the delivery end thereof so shaped that said timing screw operates to time the cans



by retarding the forward movement thereof through the movement of the traveling means and to actively force a can forward as it is delivered to the feeding means so as to insure the proper spacing of the delivered cans from those following thereafter whereby the feeding means can get behind the delivered can without tilting or jostling the same.

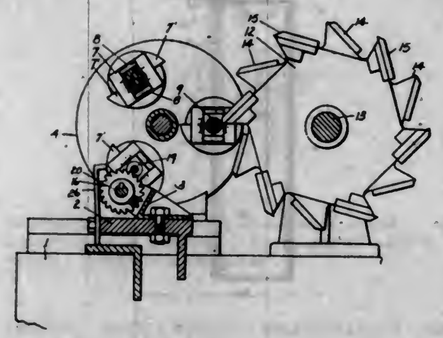
1,629,690. TRAVELING BLOCK. GEORGE E. FENTRESS, Los Angeles, Calif. Filed June 12, 1922. Serial No. 567,520. 6 Claims. (Cl. 308—208.)



1. In a bearing of the class described, the combination of: inner and outer members presenting cooperating cylindrical faces, one of said members comprising parts, of equal radial thickness, which so interfit as to leave therebetween circular channels formed in the cylindrical face thereof; rollers between said cylindrical faces; and a central ring disposed in said channel and having projections arranged to extend between and to separate said rollers; and means for feeding a lubricant, under centrifugal force, toward said channel, said outer member being provided with a plurality of segmental chambers; and the walls of said chambers being provided with outwardly and inwardly extending holes at one end thereof.

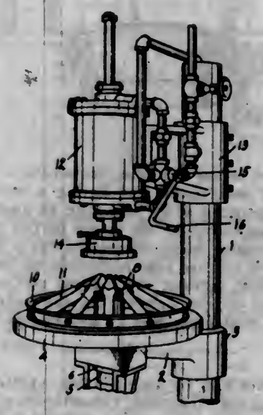
1,629,691. SPOKE-TURNING LATHE. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Oct. 4, 1921. Serial No. 505,248. 4 Claims. (Cl. 142—3.)

1. The combination in a spoke lathe with multiple chuck spindles on a revolving head, of chucks comprising transversely opposed rollers to receive the tapered end of a spoke, a cutter with curved blades to form the body of the spoke, and a rotary cutter disposed to form an annular groove to form the tenon of the spoke, the said last named cutter being fixed at a specific desired distance from the chucks longitudinally of the spoke and engaging and forming the tenon by cutting laterally or



from the periphery toward the axis of the spoke, so as to insure that the shoulder of the spoke shall be correctly spaced from a predetermined transverse dimension of the end of the spoke engaged by the chucks, coacting as specified.

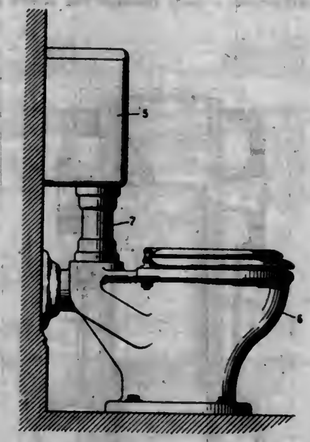
1,629,692. WHEEL-MAKING MACHINE. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed June 12, 1922. Serial No. 567,521. 2 Claims. (Cl. 157—1.)



1. In a wheel making machine, the combination of a suitable table support, guide means thereon for locating a metallic wheel rim, a yieldable central support with a central upwardly pointing tapered plug of dimension to fit and force the inner ends of the spokes to position, a spider with radiating guide arms for guiding the spokes and supporting them in correct radial relation and a press means to force the spokes to position, coacting as specified.

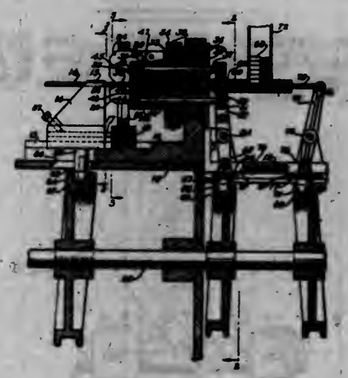
1,629,693. HOUSING FOR PIPE CONNECTIONS. ANDREW FOLTZ, Lambertville, N. J. Filed Oct. 4, 1922. Serial No. 592,217. 3 Claims. (Cl. 137—111.)

2. A housing for flush pipe connections comprising a hollow member open from end to end along one side wall thereof to detachably connect said housing to the pipe whereby the housing may be pressed transversely into housing relation to the pipe, and a U-shaped spring clamping member mounted in the housing and having its arms



arranged to extend in flanking and clamping relation to the pipe to hold the housing in place and center it on the pipe.

1,629,694. APPARATUS FOR AND METHOD OF APPLYING TIPS TO CORES. BEN KING FORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 731,230. 11 Claims. (Cl. 153—1.5.)

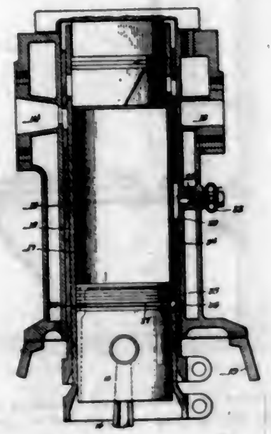


1. In a mechanism for applying a tip to a core, a plurality of jaws forming a frustro-conical die which is adapted to compress and guide the end of the core into the tip, and means for forcing the core through the die formed by the jaws into the tip.

1,629,695. LUBRICATION OF INTERNAL-COMBUSTION ENGINES. RALPH C. GARLAND, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich., a Corporation of California. Filed Sept. 13, 1926. Serial No. 134,958. 3 Claims. (Cl. 123—196.)

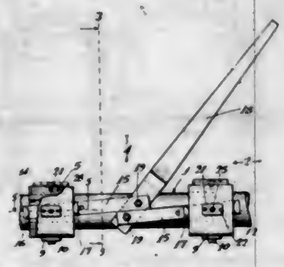
1. In an internal-combustion engine, the combination of an engine-cylinder having a port through its side-wall, a piston having an oil-collecting groove reciprocatory in

said cylinder, a movable sleeve between said piston and cylinder, means to lubricate said cylinder, piston and sleeve, said sleeve having a longitudinal groove of substantial size in its surface adapted to communicate with said cylinder-port, a port through the sleeve adapted to



register at least part of the time with said piston-groove, and a small-metered channel connecting said longitudinal sleeve groove and said sleeve port, whereby the contents of said piston-groove may be removed through said cylinder-port.

1,629,696. PIPE RIP AND CUT-OFF. JESS GOFF, Los Angeles, Calif., assignor of one-half to Louis M. Adams, Los Angeles, Calif. Filed Mar. 22, 1926. Serial No. 96,561. 9 Claims. (Cl. 81—189.)



1. A pipe rip and cut-off comprising in combination a pair of cutter blocks having cutter tools, means on said block to engage a pipe, and means interconnecting said blocks and operated to traverse said blocks in successive steps lengthwise of the pipe.

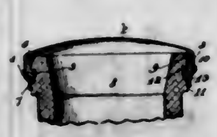
1,629,697. ILLUMINATED ADVERTISING DEVICE. ELMORE L. GOODLOE and GEORGE E. PENISTON, Kansas City, Mo. Filed May 4, 1925. Serial No. 27,767. 2 Claims. (Cl. 40—130.)

1. In a display device, the combination of an opaque background having a display surface, a translucent screen spaced a short distance in front of the background and provided with display matter, and illuminating means at



the front of said screen in position for illuminating the display matter of said screen and for illuminating said background through the screen.

1,629,698. CLOSURE FOR FOOD CONTAINERS. DANIEL M. GRAY, EDWIN HAUB, and JOHN J. WILLIAMS, Wheeling, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed June 18, 1925. Serial No. 37,914. 6 Claims. (Cl. 215—38.)



5. In closure means for glass containers, a cap member formed of sheet metal and having a relatively flat body portion provided at its edge with an annular flange member adpated to receive the mouth portion of the container, said annular flange member having a reduced diameter adjacent its free edge to provide an internal gasket-receiving seat between the reduced portion and the body portion of the cap member, and the gasket-receiving seat having a reinforcing bead formed therein.

1,629,699. PROCESS OF IMPROVING ALUMINUM ALLOYS. WILLIAM GUERTLER, Charlottenburg, and WILHELM SANDER, Essen, Germany, assignors to the Firm: Th. Goldschmidt A.-G., Essen, Germany. Filed May 6, 1926, Serial No. 107,273, and in Germany Nov. 22, 1923. 4 Claims. (Cl. 148—11.)

1. A process for producing alloys of high tensile strength comprising alloying aluminum with $MgZn_2$, said compound forming from 4% to 26% by weight of the alloy, and subjecting the alloy to annealing, quenching, and ageing.

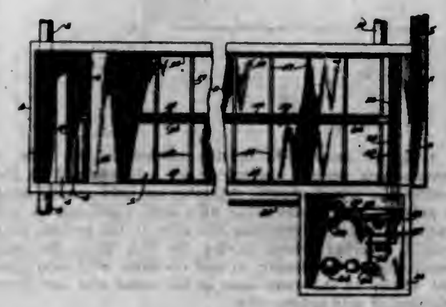
1,629,700. HOLSTER. CHARLES FRED HARTER, Denver, Colo. Filed Oct. 9, 1926. Serial No. 140,474. 3 Claims. (Cl. 224—2.)

1. A holster for supporting a revolver, said holster comprising an elongated, substantially flat base portion, means secured to one end of said base portion for supporting the same, the other end of said base portion being provided with a shallow pocket adapted to receive the muzzle of a revolver barrel, a spring having one end secured to said base portion at a point above said pocket, said spring being bent into a loop which lies in a plane



perpendicular to the base portion, the free end of said spring having an anti-friction device adapted normally to engage a portion of a revolver.

1,629,701. WHITE-WATER SELF-CLEANING SETTLING TANK. JOHN PAUL HASS, International Falls, Minn. Filed Dec. 21, 1925. Serial No. 76,855. 2 Claims. (Cl. 210—55.)



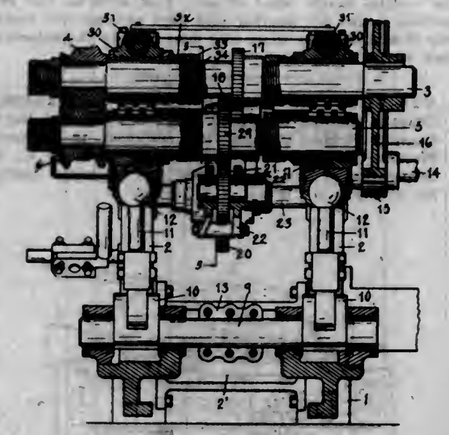
1. In combination, a tank having a head box, a perforated trough, and an overflow wall between the box and trough whereby a fluid from said box will pass over said wall and drop into said trough, a baffle inclining from a point adjacent said trough toward the bottom of said tank and an endless scraping device having its head portion arranged under said trough and said inclined baffle.

1,629,702. WALL CONSTRUCTION. JACKSON ROSS HAZELRIGG, Exeter, Calif. Filed Dec. 27, 1923. Serial No. 682,947. 2 Claims. (Cl. 72—48.)



1. A wall construction comprising a wall formed of a plurality of sections, each section having an inner concrete wall and an outer concrete wall spaced therefrom, a reinforcing column between said inner and outer walls, and a vertical channel on each section having slidable engagement with a complementary vertical channel on another section to form an expansion joint therebetween.

1,629,703. RIM-ROLLING MACHINE. EUGENE HIGGINS, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Nov. 22, 1924. Serial No. 751,595. 8 Claims. (Cl. 80—5.)



1. In a rim rolling machine the combination of a fixed roll shaft, journal bearings at each end, cross pivot pins for supporting the said journal bearings, a movable roll shaft, suitable journal bearings at each end thereof, slides for each said movable shaft bearings, a rock shaft with suitable pitman and universal joint connections for each slide, a train of gears with rocker connections between the central portions of said shafts whereby the same will be driven in unison, and means for driving the fixed shaft, coacting as specified.

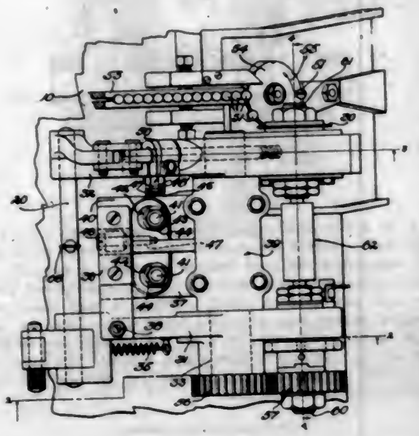
1,629,704. UNION OR ONE-PIECE UNDERGARMENT. OTELIA A. HOEGLUND, Cincinnati, Ohio. Filed Dec. 17, 1923. Serial No. 681,135. 1 Claim. (Cl. 2—76.)



A union or one-piece undergarment comprising a waist and drawers, said waist consisting of a front piece, two back pieces and two side pieces, said front piece secured to said side pieces by vertical seams, said back pieces secured to said side pieces by vertical seams, releasable means attached to the inner vertical edges of said back pieces for detachably connecting said garment around the body of the individual, means for supporting said garment on the body of the individual, the lower edge of said waist secured to the upper edge of said drawers consisting of a front section and two back sections, said

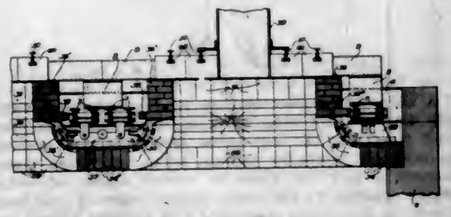
front section secured to said back section by vertical seams, said front section split part way from its lower edge thereof and vertical edges formed thereby stitched to the inside vertical edges of said back sections whereby legs are formed in said drawers, tapered flaps fixed to the vertical inside edges of said back sections and releasable means for securing said flaps adjacent the waist line of said garment when said flaps overlap the adjacent back section.

1,629,705. MATERIAL-WORKING MECHANISM. CHARLES GUNNAR HOLMBERG, Jr., Oak Park, and JOHN STANLEY STULL, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1924. Serial No. 709,340. 6 Claims. (Cl. 10—6.)



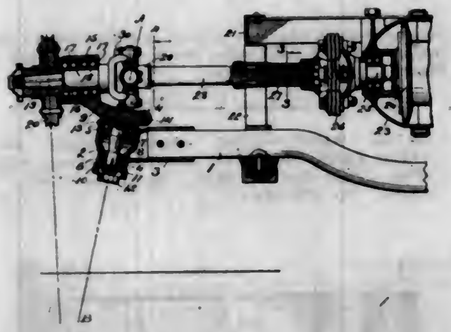
3. In an automatic screw slotting mechanism, a rocker arm, a block mounted to slide thereon, a rotary cutter mounted upon said block, means for rocking said arm to move the cutter to the depth of the slot to be formed, means for causing said block to slide longitudinally upon the arm to move said cutter across the surface to be slotted in a continuous plane parallel thereto, and means for continuously rotating said cutter during such movements.

1,629,706. FURNACE-ARCH CONSTRUCTION. LOUIS H. HOSBEIN, Winnetka, Ill., assignor to M. H. Detrick Co., Chicago, Ill., a Corporation of Illinois. Filed July 25, 1923. Serial No. 653,657. 14 Claims. (Cl. 110—99.)



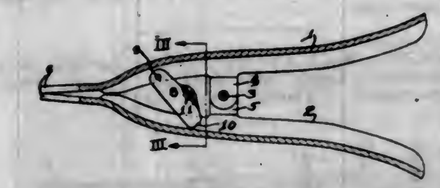
1. In furnace arch construction, in combination, supporting members pendulously suspended above the furnace chamber, refractories suspended thereon in courses to form flat top arch portions, said courses being interrupted to afford an opening through the arch, certain of the supporting members having upwardly diverted portions at said opening, and refractories suspended on said upwardly diverted portions to form a sloping wall for said opening as a continuation of the flat under surface of the arch.

1,629,707. AUTOMOBILE DRIVING MECHANISM. FINN S. HUDSON, Kansas City, Mo. Filed Sept. 28, 1925. Serial No. 59,145. 2 Claims. (Cl. 180—43.)



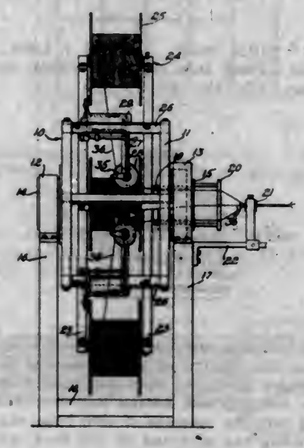
1. In an automobile driving mechanism, an axle, a spindle arm pivoted thereto on an axis inclined to the vertical, a wheel spindle rotatable on said spindle arm, a universal joint connecting with said wheel spindle and having its axes intersecting the axis of the spindle arm, and a carrying wheel having its hub fitted for substantially its full length on and revoluble with said spindle wholly at the outer side of the outer end and independent of said spindle arm.

1,629,708. VALVE LIFTER. FREDERICK C. JEWELL and HENRY S. JEWELL, Chicago, Ill. Filed May 4, 1925. Serial No. 27,717. 6 Claims. (Cl. 29—86.3.)



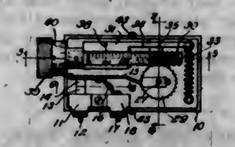
3. A device of the class described comprising a pair of pivoted members adapted to be manually operated to open position, a dog member pivoted to one of said members adapted to be moved by gravity to engage the other of said members when the same is operated to open position for holding said members in open position, and an additional member disposed between said pivoted members for insuring connection between said dog member and said other of said pivoted members.

1,629,709. GUARD FOR PULLEYS. HAROLD FRANK JONES, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Aug. 5, 1924, Serial No. 730,153. Divided and this application filed Nov. 21, 1925. Serial No. 70,550. 7 Claims. (Cl. 242—157.)



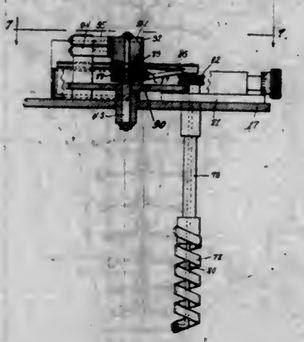
1. A guard for a traveling material guiding device, comprising a plurality of flexible members operatively associated with the device and normally engaging each other at a point adjacent the moving material and centrally disposed with respect to the moving material.

1,629,710. THERMOSENSITIVE CIRCUIT CONTROLLER. PAUL E. KLOPSTEG, Chicago, and WINFIELD H. STANNARD, Homewood, Ill., assignors to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1922. Serial No. 562,438. 7 Claims. (Cl. 200—139.)



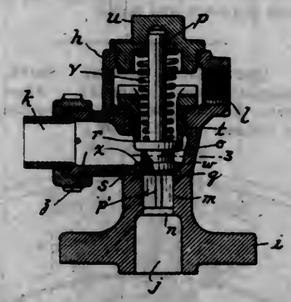
1. A thermosensitive current controller comprising a fixed contact, a movable contact, thermosensitive means connected to said movable contact, a scale movable independently of said thermosensitive means, and means to adjust said thermosensitive means and connected to said scale whereby said scale will move with said adjusting means the movement of the scale being dependent solely upon the movement of the adjusting means and not upon the movement of said thermosensitive means.

1,629,711. CIRCUIT BREAKER. PAUL E. KLOPSTEG and WINFIELD H. STANNARD, Homewood, Ill., assignors to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1922. Serial No. 585,625. 15 Claims. (Cl. 200—138.)



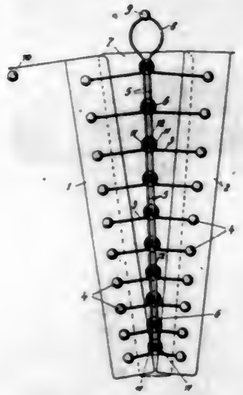
1. In a thermo-sensitive current controller, the combination of a magnet, a plurality of separable contacts, a thermosensitive element adapted to open and close said contacts, means for periodically breaking the circuit, and means for resisting the opening of said contacts until the circuit of said magnet is broken.

1,629,712. INJECTOR. STRICKLAND L. KNEASS, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 5, 1926. Serial No. 127,306. 11 Claims. (Cl. 161—1.)



1. Means for continuously supplying steam at low pressure to an injector on a locomotive having a working cylinder comprising in combination means for controlling an exhaust steam supply, means for controlling a live steam supply, means associated with said means adapted under the influence of live steam pressure to automatically actuate said means to admit exhaust steam to said injector when exhaust is available and to admit live steam when exhaust is not available and means for delaying the admission of exhaust steam after exhaust becomes available and for permitting instantaneous admission of live steam when exhaust is not available.

1,629,713. LACE JOINT FOR SHOES AND OTHER APPAREL. FRANZ KOSLOWSKI, Glatz, Germany. Filed June 26, 1926, Serial No. 118,623, and in Germany Apr. 24, 1926. 3 Claims. (Cl. 24—207.)

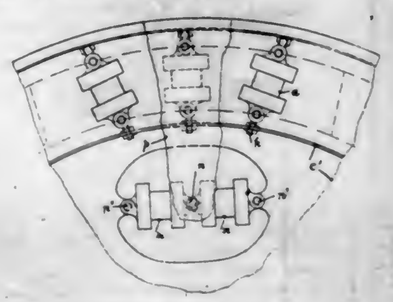


1. A joint for shoes and other apparel, comprising adjacent rims to be jointed, a plurality of strings individually secured to each of said rims, buttons one for each pair of cooperating strings fixed relatively to said joint as against longitudinal displacement, said buttons being formed with eyes adapted to have the strings passed therethrough, a lace passed through said eyes and connected with said strings, said lace being formed with a loop adapted to be gripped by the finger of the wearer, and a press button having its bottom part fixed to the apparel and its top part fixed to said loop.

1,629,714. CEMENT COMPOSITION. CHARLES E. KRAUS, Babylon, N. Y. Original application filed Apr. 17, 1919, Serial No. 290,671. Divided and this application filed Sept. 23, 1924. Serial No. 739,340. 4 Claims. (Cl. 106—25.)

3. A plasticized composition containing cement rock, finely divided bentonite and liquid.

1,629,715. RESILIENT WHEEL. FRITZ LENHARDT, Mannheim-on-the-Rhine, Germany. Filed Aug. 19, 1922, Serial No. 582,916, and in Germany Aug. 19, 1921. 4 Claims. (Cl. 152—36.)



1. In a resilient wheel having a rigid outer and inner rim, rubber spokes joining the said rims and comprising rubber tensional pieces having enlarged heads, hollow bodies as holding members, enclosing, all around, the said heads under pressure and means for fastening the holding members to their corresponding rims.

1,629,716. JELLY PREPARATION. ALBERT LEO, Winfield, Ill. Filed Oct. 5, 1925. Serial No. 60,687. 4 Claims. (Cl. 99—11.)

2. The method of making a jelly preparation, which consists in adding to granulated sugar in a moistened condition a pectin containing substance and a fruit acid, mixing the same to form a homogeneous mass of sugar granules coated with the pectin containing substance and fruit acid and drying the mass without destroying the granular structure.

1,629,717. BIRD CAGE. LEWICKI J. LEON, West Chicago, Ill. Filed July 15, 1926. Serial No. 122,519. 7 Claims. (Cl. 119—17.)



1. In a bird-cage, the combination with a cage body and a carrying loop therfor, of a plate secured to the top of the body and having an apertured boss, a stem depending from the loop and having its lower end split and extending into the aperture of said boss, and a member for expanding the split end of the stem into frictional contact with the aperture of the boss so that the loop and the cage body may be turned relatively to each other without affecting the frictional connection between the stem and the boss.

1,629,718. SCAFFOLD BRACKET. DAVID J. LOCKARD and DAVID E. LOCKARD, Toledo, Ohio. Filed Aug. 16, 1926. Serial No. 129,348. 5 Claims. (Cl. 304—1.)

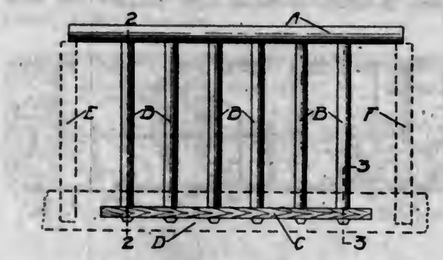


1. A scaffold bracket having pivotally connected toggle arms adapted to bear at their outer ends against opposing supports, the pivotal connection of the arms being above their support engaging ends, and platform supporting means carried by the arms and tending by its weight to bring the arms in alignment.

1,629,719. PANEL FOR ANIMAL PENS. ROBERT B. LOUDEN, Fairfield, Iowa. Original application filed Oct. 17, 1924, Serial No. 744,142. Divided and this application filed Feb. 28, 1927. Serial No. 171,484. 2 Claims. (Cl. 256—24.)

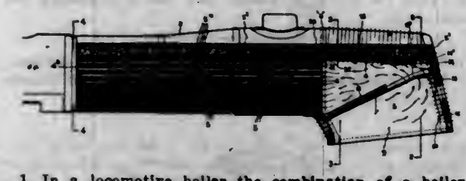
1. In partially completed panels for animal pens, the combination of a horizontally disposed tubular top member having a series of spaced apart holes in the wall of its lower side, a series of vertically disposed fillers corresponding with the number of holes in the top member, and a bottom temporary supporting member having a series of spaced apart holes corresponding with the holes in the top member, the holes in both members being the same size as the diameter of the fillers, or a shade smaller, the ends of the fillers being tapered or beveled

for easy initial entrance into the holes in the members, and said top and bottom members being tightly pressed on to the ends of the fillers until their upper ends will



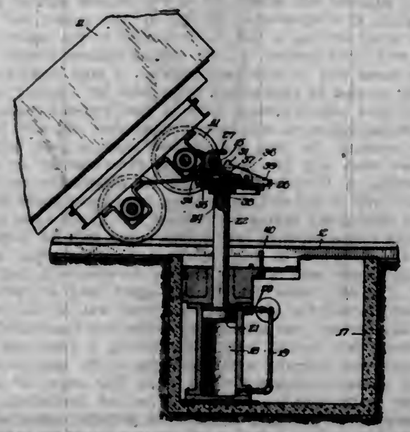
come approximately in contact with the outer wall of the top member, and their lower ends will pass through the holes in the bottom member.

1,629,720. LOCOMOTIVE BOILER. MYLES MAHONEY, Montreal, Quebec, Canada. Filed Jan. 15, 1925. Serial No. 2,581. 4 Claims. (Cl. 122—73.)



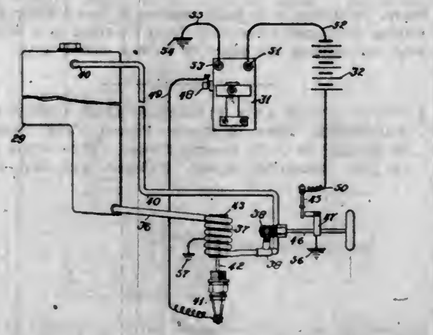
1. In a locomotive boiler the combination of a boiler barrel; a smoke-box; a fire-box the crown sheet whereof has an upwardly extending chamber at the top rear corner thereof and in open communication with the fire-box; fire tubes communicating with the fire-box and extending through the barrel to the smoke-box, and safety fire tubes communicating with the chamber and extending through the barrel above the fire-box for the purpose of directing a portion of the burning gases therethrough from the top of the rear end of the fire-box to the smoke-box, each of such safety fire tubes having an upwardly extending bend adapted to direct steam and water into the upwardly extending chamber in the event of a break in the bend.

1,629,721. CAR-TILTING MECHANISM. EDWARD A. MALMGREN, Duluth, Minn. Filed Oct. 16, 1925. Serial No. 62,799. 6 Claims. (Cl. 214—44.)



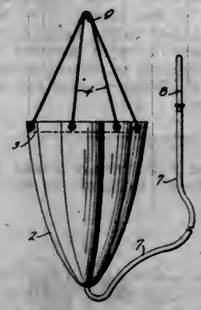
3. Car tilting mechanism comprising a stop member adapted to engage a portion of the car to arrest movement of the car, cushioning means for the stop member, and elevating mechanism adapted to raise and lower the stop member and cushioning means.

1,629,722. BURNER APPARATUS. ELZEAR MICHAUD, Indianapolis, Ind., assignor to Ernest L. Dayton, Detroit, Mich. Filed May 11, 1922. Serial No. 560,110. 5 Claims. (Cl. 154—53.)



1. In an apparatus of the class described, the combination of a liquid fuel supply tank, a pipe line leading from the tank and returning thereto and comprising means for trapping liquid fuel to which the fuel feeds by gravity from the tank through the pipe line, and a burner device connected by the pipe line with the tank, the supply pipe between the tank and the burner device lying entirely below the normal level of the fuel in the tank, said burner device having an orifice through which a jet of liquid fuel passes from the pipe line by gravity feed from the tank into contact with said trapping means and through which gas is forced for feeding a flame against said trapping means when the trapping means has become heated.

1,629,723. WATER BAG. JESSE R. MOLER, Oakland, Calif. Filed Sept. 7, 1926. Serial No. 133,897. 7 Claims. (Cl. 128—227.)



1. A water bag consisting of a single flat sheet of flexible, water-impervious material, an outlet member secured to said sheet, and means for suspending said sheet in water-retaining position.

1,629,724. PROCESS OF MANUFACTURING METAL TUBING. JOHN W. MOON, Lansdowne, Pa. Filed Oct. 20, 1923. Serial No. 669,683. 8 Claims. (Cl. 80—15.)

1. The process of manufacturing metal tubing which comprises flowing fluid metal in a traveling stream and during its travel molding it to shape and as it increases in length causing it to solidify at a point in advance of

the rear of the traveling stream, rolling the ingot strip, as it continues to travel, to reduce and shape the same into the form of skelp, and as the skelp continues to



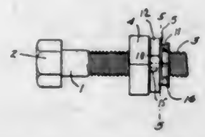
travel subjecting it to heat, bending it into tubular form, raising the temperature of at least its edges to a welding heat and uniting the edges to form a closed tube.

1,629,725. DOOR AND WINDOW-SCREEN CATCH AND FASTENER. BENTON MOORE, Fresno, Calif., assignor of one-half to J. F. Rogers, Fresno, Calif. Filed Nov. 18, 1925. Serial No. 69,763. 2 Claims (Cl. 222—211.)



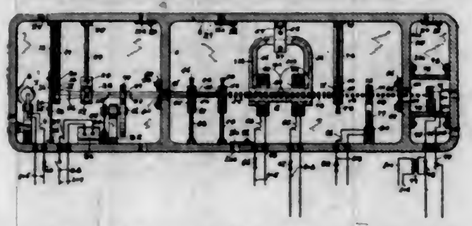
1. A door and window screen catch and fastener comprising a casing adapted to be mounted upon a movable member; an abutment extending upwardly from the top wall of said casing from one edge to near the center; a rim extending upwardly from said top wall at the inner termination of said abutment, of less height but forming a continuation thereof the free end thereof tapering downwardly; a stud pivotally mounted in said casing to extend vertically and projecting through the top wall thereof; a latch rigidly secured at one end upon the upper end of said stud to extend at a right angle thereto, said latch having its free end bifurcated and projecting beyond the side of said casing; a spring coiled around said stud within said casing adapted to resist upward movement thereof; a catch mounted in said casing adapted to be positioned to prevent upward movement of said latch; and a stationary catch for engaging the free end of said latch.

1,629,726. LOCK NUT. EDGAR MORSE, Rock Island, Ill. Filed Jan. 8, 1926. Serial No. 79,940. 4 Claims. (Cl. 151—13.)



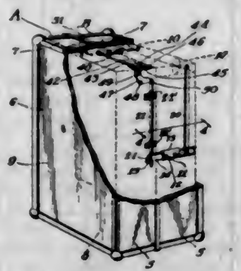
1. A device of the class described, comprising a nut, provided with a circular extension having locking elements, a collar held rotatably on the end of said extension, and provided with locking elements adapted to register with said first-named locking elements, a locking ring mounted on said extension, adapted for engagement with the locking elements on said extension and collar, to hold one of said parts from rotation independently of the other, and a retainer carried by said collar, to prevent the release of said ring.

1,629,727. ELECTRIC-WAVE PRODUCING AND CHANGING DEVICE. HOWARD J. MURRAY, Brooklyn, N. Y. Filed Apr. 1, 1921, Serial No. 457,627. Renewed Nov. 13, 1926. 16 Claims. (Cl. 250—1.)



1. The combination of a light susceptible circuit element arranged to intercept a ray of radiant energy, means for creating a high frequency oscillating flux and positioned to intercept said energy, means including a second source of magnetic flux designed to vary the said radiant energy when operatively associated with the said flux thereby to affect the said light susceptible element to vary its electrical status, and means providing the said ray.

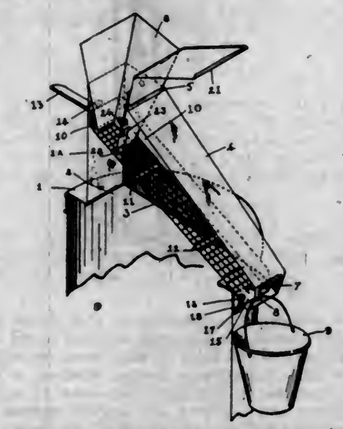
1,629,728. TRUNK LOCK. HENRY B. OSGOOD, Oshkosh, Wis. Filed Dec. 5, 1925. Serial No. 73,473. 10 Claims. (Cl. 70—115.)



1. A trunk comprising two sections, each having front and rear walls, upper and lower walls and a bottom wall, the adjacent edges of said rear walls being hinged together on a longitudinal axis, the upper wall of one of said sections being hinged thereon along a transverse axis adjacent the upper end of the bottom wall of said section, a pivot-member carried by the upper wall of the other section, a lock hasp secured to the outer end of said pivot-member, a hook locking-element carried by the inner end of said pivot-member, a stud locking-element carried by said hinged upper wall for coacting with said hook locking-element to hold said sections together, co-acting means on said hinged upper wall and said hasp for securing the free end of said hasp to said hinged upper wall and for holding said pivot-member in one position, a locking-bar mounted to reciprocate on the front wall of the section carrying the hinged upper wall, said locking-bar having an inclined slot at its outer end, means connected with said hinged upper wall for holding said locking-bar in its outermost position when said hinged upper wall is closed and for drawing said locking-bar inwardly when said hinged upper wall is open, a second locking-bar carried by the front wall of the other of said sections and mounted to reciprocate longitudinally thereof, said second locking-bar having a stud locking-element for coacting with the walls of the slot of said first named locking-bar to pull the free edges of said front walls together when said second locking-bar is moved in one direction and to push said free edges apart when said second locking-bar is moved in another direction, and connections between said pivot-member and

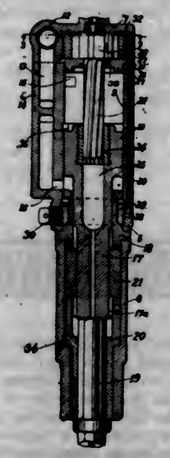
said second locking-bar for moving said stud locking-element into unlocked position when said hasp is turned to unlock said hook locking-element, and to locked position when said hasp is turned to move said hook locking-element in locked position.

1,629,729. ASH SIFTER. ALBERT PAPENFUSS, Rochester, N. Y. Filed Dec. 30, 1926. Serial No. 158,098. 3 Claims. (Cl. 209—335.)



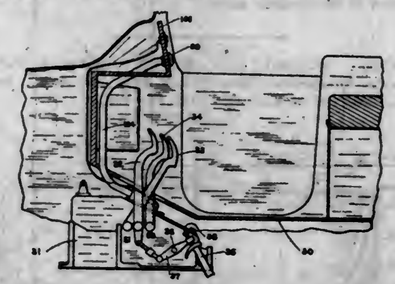
1. In an ash sifter for ash cans, the combination of a cover having an opening therein, an elongated rectangular casing having an opening at one end at the top thereof and an opening at the opposite end thereof, a screen, a flange surrounding said screen on two sides and one end thereof, a removable hopper adapted to engage into the opening in the top of said casing, and projecting between the flange surrounding said screen means for oscillating said screen, said flange of said screen being adapted to make contact with the outside of said hopper to vibrate said hopper at the end of each oscillation.

1,629,730. LUBRICATION OF PERCUSSIVE TOOLS. ERNEST PENBERTHY, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 13, 1923. Serial No. 674,443. 10 Claims. (Cl. 121—7.)



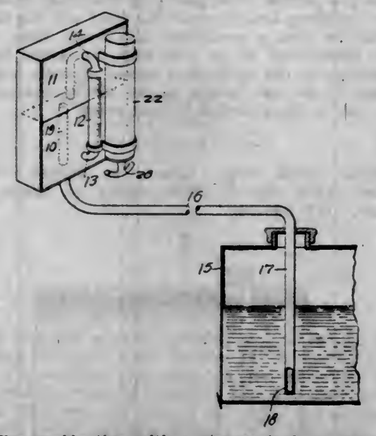
1. In a percussive tool having a piston chamber and an impact piston reciprocable therein, a chamber in line with said piston chamber and connected thereto, a lubricant chamber disposed below said second named chamber in the normal position of the tool, and a continuously open passage leading from said lubricant chamber to said second named chamber whereby the lubricant is subjected to the varying pressure within said piston chamber and is forced against gravity through said passage into said second named chamber.

1,629,731. VEHICLE LOCK. ELMER C. PETERSON, Cleveland, Ohio. Filed July 28, 1923. Serial No. 654,337. 16 Claims. (Cl. 70—50.)



1. In apparatus of the class described, the combination of a transmission mechanism, a housing therefor, a rocking control-shaft in said housing, an arm secured on said shaft within said housing, a locking member movable into the path of said arm to prevent the movement of said shaft, and electromagnetic means for actuating said member.

1,629,732. LIQUID-LEVEL INDICATOR. WILBUR M. PHELPS, Staunton, Va. Filed Apr. 12, 1922. Serial No. 551,865. 2 Claims. (Cl. 73—54.)

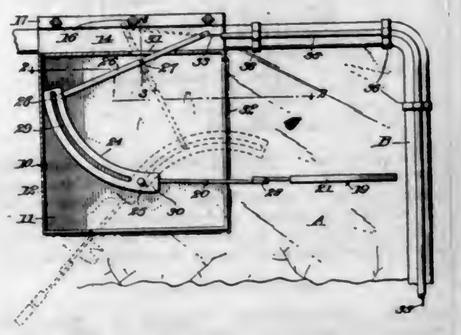


1. The combination with a storage tank or receptacle for a liquid, a liquid holding chamber located away from the tank, a pipe leading from a point above the liquid level of said chamber into said tank to the minimum level to be gauged, a vertical liquid level gauge mounted adjacent said chamber so as to be readily visible and being in communication with such chamber below the level of liquid therein, means to expel the gauge contents into the chamber and the air and other contents from the pipe between such chamber and said tank, and to place atmospheric air in such pipe, and a second chamber with which the upper end of said gauge communicates, the means of communication being a pipe that terminates in such chamber and spaced from the bottom thereof, said second chamber being in communication with said means to expel the gauge-contents.

1,629,733. REFRIGERATION. BALTZAR CARL VON PLATEN and CARL GEORG MUNTERS, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 7, 1926, Serial No. 153,221, and in Sweden Aug. 18, 1922. 7 Claims. (Cl. 252—5.)

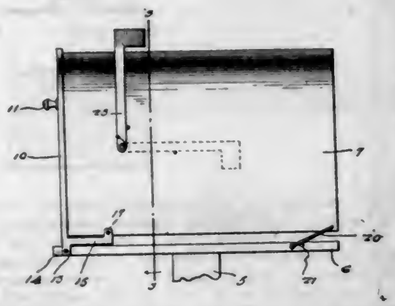
1. A group of cooperating substances for refrigeration consisting of a gaseous cooling agent, a solvent therefor and an auxiliary agent which is non-soluble in the solvent, the substances having a common chemical constituent and the auxiliary agent being of low molecular weight relative to the cooling agent.

1,629,734. WINDSHIELD WIPER. WILLIAM CALVIN POOLE, Coalgrove, Ohio. Filed July 30, 1924. Serial No. 729,110. 4 Claims. (Cl. 15—255.)



1. A device of the class described including an operating lever, a pivoted crank having an elongated crank slot, means extending laterally from the lever and disposed in said slot to form a connection, said means being closer to the pivotal axis of the lever than the pivotal axis of the lever is to the crank, said means normally being at the end of the slot remote to the pivotal axis of the crank, and a wiper carried by said crank.

1,629,735. MAIL BOX. EUGENE H. RENFRO, Offerle, Kans. Filed Sept. 9, 1926. Serial No. 134,447. 1 Claim. (Cl. 232—40.)



In a mail box of the character described, a supporting plate, a mail container open at one end, a lid for the open end of the box, a pivotal connection between the lid and the supporting plate, means between the lid and box for causing the raising of the box when the lid is opened and the closing of the lid when the box is lowered, and means between the rear end of the box and said supporting plate for maintaining the box in horizontal position when raised or lowered.

1,629,736. WRINGER. WILLIAM ROBERTSON, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1922. Serial No. 556,649. 9 Claims. (Cl. 68—32.)



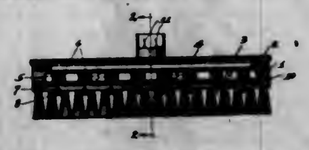
1. In a wringer, the combination of a frame having downwardly extending sides; rolls mounted in the frame; drip board pins on the sides; a drip board extending between the sides and having notches adapted to engage the pins; and means detachably connected to and locking the lower end of the board against upward movement comprising a bar extending from the frame to the lower end of the board, said means supporting the lower end of the board against downward pressure.

1,629,737. ELECTRIC FRYING PAN. EVEN J. ROHNE, Minneapolis, Minn. Filed Mar. 23, 1922. Serial No. 546,062. 3 Claims. (Cl. 219—44.)



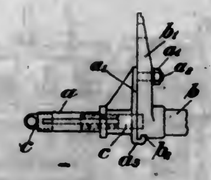
1. In an electric frying pan the combination of a pan element having an electric heating element joined to the bottom surface thereof, a removable false bottom joined to said pan element, a hollow stud projecting from said false bottom through which electric conductors are led from said heating element, diametrically opposed legs extending from said false bottom and supporting said stud, an insulating block carried by said legs and connecting clips carried by said insulating block.

1,629,738. ELECTRICALLY-HEATED STEAM BRUSH. EVEN J. ROHNE, Minneapolis, Minn. Filed Dec. 8, 1924. Serial No. 754,658. 5 Claims. (Cl. 15—128.)



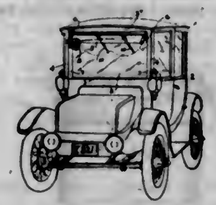
1. In a brush, the combination including a body having a heating chamber and a fluid distributing chamber, a heating element within the heating chamber, bristle tufts carried by the body, a series of perforated bosses contained within the fluid distributing chamber and communicating with the bristles, a series of cups disposed over the bosses, so as to form annular restricted passages therewith, and adapted to be heated by the heating element, whereby the fluid in the distributing chamber will be heated before being discharged into the bristles.

1,629,739. GUN CARRIAGE. HEINRICH ROMBERG, Duesseldorf, Germany. Filed Oct. 24, 1925, Serial No. 64,563, and in Germany Oct. 24, 1924. 4 claims. (Cl. 89—40.)



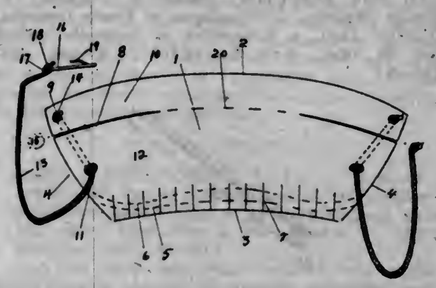
1. A wheeled gun carriage for setting the gun at different firing heights, axle trees for said wheels, an axle piece carrying said gun carriage, pins eccentrically connected with said axle trees and arms mounted on said axle piece and adapted to be swung about said pins.

1,629,740. CLEANING MECHANISM. FRITZ R. RYBERG, Cleveland, Ohio. Filed Jan. 8, 1922. Serial No. 526,474. 4 Claims. (Cl. 15—253.)



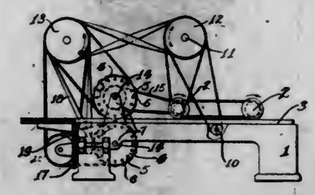
1. In a cleaner for a windshield for a vehicle having a frame in which is mounted a windshield glass, a cleaning device adapted to be pivotally mounted on the outside of the vehicle frame above the windshield glass and depending therefrom in front of the glass to move thereover, a motor adapted to be supported on the outside of the vehicle frame adjacent one side edge of the windshield glass and remote from the driver, a pitman connected at one end to said cleaning device, and driving means, including a reduction gearing connected to the shaft of said motor and a crank connected to the other end of said pitman for operating said pitman.

1,629,741. HAIR GUARD AND TEMPLATE. MURRAY SCHICK, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 20,946. 9 Claims. (Cl. 132—45.)



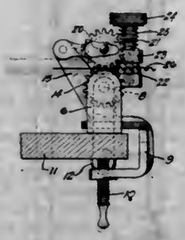
1. A hair trimming template comprising in combination a sheet of material having an outline when flat of substantially a segment of a flat ring, a plurality of slits extending inwardly from the lower edge of the template and a cord to secure the template to the back of a person's head with the slits against a person's neck.

1,629,742. MACHINE FOR MILLING LUMBER AND THE LIKE. RAY W. SCOTT, Los Angeles, Calif., assignor of one-half to Radio Lab. & Mfg. Co., a Common Law Trust Association of California, and one-half to Leon H. Scott, Pasadena, Calif. Filed Aug. 18, 1924. Serial No. 732,629. 5 Claims. (Cl. 144—136.)



1. In a machine for milling lumber or the like, the combination of means adapted to force a board through said machine and independently driven rotating means advancing therewith for perforating the board continuously during its uninterrupted advance, said saw means being effective automatically to advance and to retract saws in planes parallel with said advance and in such manner as to cut separate outwardly expanding slots in said boards.

1,629,743. PAPER-CRIMPING MACHINE. CATHERINE E. SCOTT, Milwaukee, Wis. Filed July 9, 1926. Serial No. 121,407. 2 Claims. (Cl. 154—30.)

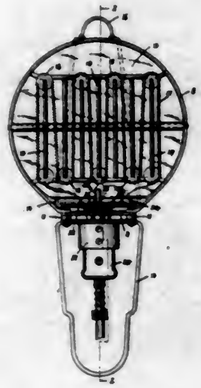


1. A crimping machine, comprising a bracket, a shaft journaled therein, a ribbed cylinder carried by said shaft, means for revolving the shaft, an arm extending angularly upwardly from the bracket, a bearing member formed with a bifurcated end portion, the upper end portion of said arm being engaged between said bifurcated end portion, a pin pivotally connecting the bearing member to said arm, a second shaft carried by said bearing member and parallel to said first shaft, a cooperating ribbed cylinder carried by said second shaft, and an adjustable, yielding connection between the bearing member and the bracket.

1,629,744. ELECTRIC HEATER. HAROLD N. SHAW, Milwaukee, Wis. Filed Mar. 1, 1926. Serial No. 91,517. 3 Claims. (Cl. 219—37.)

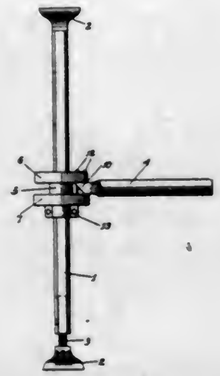
1. In an electric heater having an elongated resistance unit, a plurality of terminals, a connection between one terminal and one end portion of the resistance unit, a connection between another terminal and the other end

portion of the resistance unit, another connection between a third terminal and an intermediate portion of the



resistance unit, and an adjustable member movably mounted on one of said terminals to join one of the end connections with the other end connection.

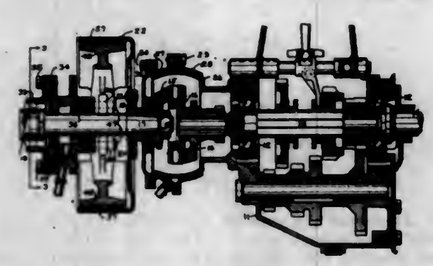
1,629,745. DRILL-SUPPORTING STRUCTURE. JOHN E. SHAW, Murphy, Calif. Filed Mar. 3, 1926. Serial No. 91,911. 2 Claims. (Cl. 255—53.)



1. A drill supporting structure comprising a vertical bar adapted to be maintained in a fixed position, an arm to support a drill, a member slidably but non-turnably mounted on the bar, means between said member and the arm for removably supporting the latter in a horizontal position, said member including flanges spaced apart vertically a distance sufficient to receive one end of the arm therebetween, an upwardly projecting boss on said end of the arm, the under face of the upper flange being recessed all around to seat said boss in a number of different positions, and means between said arm and flanges to prevent lateral swinging movement of the arm.

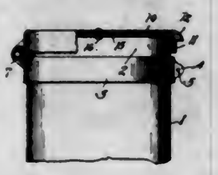
1,629,746. BRAKE. EDWIN G. SPRUNG, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed May 6, 1926. Serial No. 107,124. 11 Claims. (Cl. 188—78.)

1. In a motor vehicle, the combination with a propeller shaft, an end of which is connected by a universal joint to a transmission shaft, and a housing for said universal joint, of a brake drum secured to said propeller



shaft adjacent said universal joint, and a brake mechanism supported by said universal joint housing, co-operating with said drum.

1,629,747. AUTOMATIC CLOSURE. NICHOLAS A. STATHES, and GEORGE A. STATHES, New York, N. Y. Filed July 2, 1926. Serial No. 120,143. 5 Claims. (Cl. 220—35.)



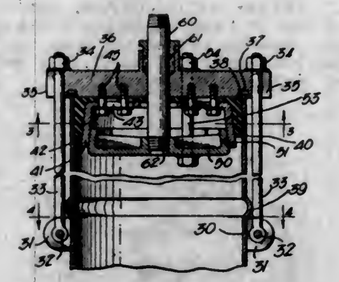
1. An automatically closing cap for the stem openings of automobile gasoline tanks comprising a closure cap, said closure cap being lined with packing material; a split band, the ends of which are bent to form outwardly projecting parallel ears; downwardly projecting lugs on the closure cap and upwardly projecting lugs on the split band; said lugs being perforated and a bolt passing through the perforations and pivotally connecting the band with the closure cap; concavo-convex webs across the lugs on the cap and band forming a housing, a resilient spring in the housing, said spring being tensioned against the webs for the purpose of keeping the closure cap in a downward position.

1,629,748. METHOD OF MAKING WELDING RODS AND THE RESULTING PRODUCT. WINSTON F. STOODY, Whittier, Calif., assignor to Stoody Company, Whittier, Calif., a Corporation of California. Filed Jan. 28, 1926. Serial No. 84,419. 7 Claims. (Cl. 219—8.)



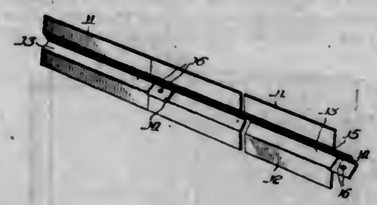
7. A welding rod comprising a steel tape which is bent scroll shape in cross section having its side edges overlapping each other and portions adjacent its side edges contacting, and an alloy enclosed in the tape.

1,629,749. CASING HEAD. MORGAN L. SWEENEY, Los Angeles, Calif., assignor to Union Tank & Pipe Co., a Corporation of California. Filed Aug. 19, 1924. Serial No. 732,888. 9 Claims. (Cl. 166—14.)



1. A casing head comprising: a flexible packing member adapted to be placed inside the open end of a casing; slips fitting inside said flexible packing member; an expander fitting inside said slips and so formed as to expand said slips against the inner surface of said flexible packing member and thus force said flexible packing member outward against the inner surface of said casing; means adapted to pull said expander in a direction to expand said slips; and an inlet pipe rigidly secured to said expander and extending to the exterior of said casing.

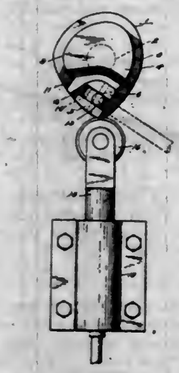
1,629,750. ROAD STRIP. GEORGE L. WELLER, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 19, 1925. Serial No. 57,311. 4 Claims. (Cl. 94—18.)



1. A road strip having a longitudinally extending, laterally off-set channel located intermediate its margins, said channel being extended beyond the end of the margins at one end, the extended portion being deflected inwardly to the extent of the thickness of the metal constituting the strip, whereby said extended portion may fit within the channel of an adjacent strip and allow the top and bottom margins of the strip to be positioned in end abutment and alignment.

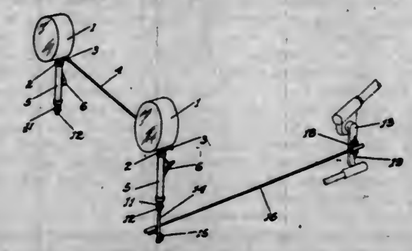
1,629,751. LINK-FORMING DEVICE. WILLIAM F. WEMLINGER, Columbus, Ohio, assignor of one-third to Leo Bauer and one-third to Jethro Billingham, Columbus, Ohio. Filed June 2, 1924. Serial No. 717,305. 2 Claims. (Cl. 153—40.)

1. A link former comprising a rotatable body having an offset forming shoulder of irregular peripheral contour provided on the working face thereof, said shoulder being arranged within the marginal limits of said body to provide a backing flange on said face, clamping means for securing one end of the stock to be bent adjacent to said shoulder, a guide engaging said former to force the stock into shaping relation with said shoulder upon rotation of



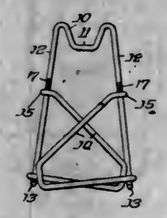
the body, there being a stop releasing recess provided in said face and entering said shoulder to facilitate removal of a formed link therefrom.

1,629,752. DIRIGIBLE HEADLIGHT FOR MOTOR VEHICLES. ERNEST G. WENTWORTH, Sacramento, Calif. Filed Apr. 19, 1926. Serial No. 102,838. 2 Claims. (Cl. 240—62.)



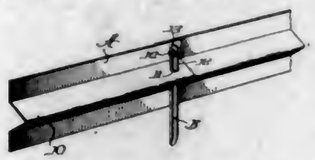
1. A dirigible headlight structure for motor vehicles including a vertical spindle for supporting a headlight turnably mounted on the vehicle, an arm projecting horizontally from the spindle, a rod connected at one end to the arm, a block to which the other end of the rod is connected, a vertical guide member for the block adapted for rigid attachment to a longitudinally movable part of the steering mechanism of the vehicle, and means for adjusting the setting of the block in the guide member.

1,629,753. SCREED CHAIR. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 3, 1927. Serial No. 158,624. 5 Claims. (Cl. 72—122.)



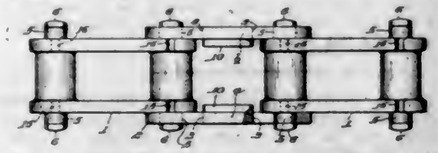
1. In combination, an inverted U-shaped support having a seat in its upper end and a U-shaped brace pivoted to one leg of said support and adapted to occupy a position at right angles thereto.

1,629,754. STAKE. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1927. Serial No. 168,095. 5 Claims. (Cl. 94—18.)



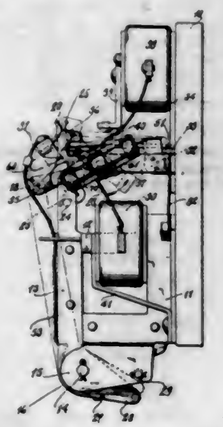
1. A stake for road strips, comprising a length of metal and a tongue of metal extending longitudinally of the stake, located near the upper end thereof and projecting laterally therefrom and adapted to be deflected by contact with the strip as the stake is driven.

1,629,755. DRIVE CHAIN. GEORGE W. WILMOT and FRANCIS H. BLATCH, Hazleton, Pa., assignors to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Dec. 11, 1923. Serial No. 679,896. 5 Claims. (Cl. 74—32.)



3. In a drive-chain, the combination of links which respectively consist of oppositely disposed spaced bars having stop projections upon their inner sides and also which have slots adjacent their opposite ends which slots extend longitudinally thereof, links which alternate with the first named links, the said second named links each being provided with head portions which are situated intermediate the side bars of the alternating first named links, the said second named links being provided respectively with notches adjacent their opposite ends, the said notches occurring alternately upon the tops and bottoms of the said links.

1,629,756. ELECTRICAL SWITCH. GUSTAV O. WILMS, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 14, 1921. Serial No. 461,288. 12 Claims. (Cl. 200—97.)



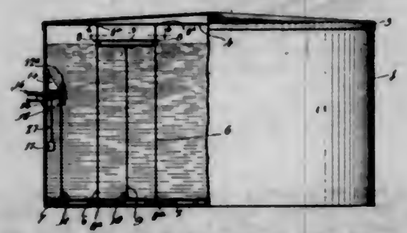
1. An electric switch of the class described comprising a movable armature, an electromagnet acting on said armature, a switch for connecting said electromagnet with an electric supply circuit, and a delaying means arranged to retard the action of said switch, said delaying means being rendered inactive substantially immediately upon the armature reaching a point of rest.

1,629,757. THERMOSTATIC CONTROL DEVICE. EDWARD WILSON, St. Louis, Mo., assignor to The National Pump & Compressor Company, St. Louis, Mo., a Corporation of Delaware. Filed Dec. 17, 1924. Serial No. 756,486. 8 Claims. (Cl. 297—10.)



1. A thermostatic control device comprising an element to be actuated, a curved resilient arm, connections from said arm for actuating said element, and a corrugated tubular actuator mounted within the curvature of and attached to said arm.

1,629,758. TANK-GAUGING DEVICE. GEORGE O. WILSON, San Francisco, Calif., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif., a Corporation of Delaware. Filed Nov. 10, 1924. Serial No. 748,825. 2 Claims. (Cl. 73—82.)

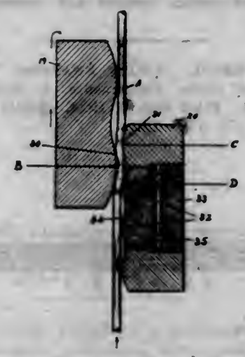


1. In a sealed tank, a liquid gauge comprising a float, means for guiding the movement of the float, a drum located within the tank below the normal liquid surface, flexible means for connecting the drum to the float, said latter means being so arranged as to permit the float to descend below the drum, means for holding said connecting means in tension, a shaft, and a registering device located outside of the tank and connected to the drum by means of the shaft, a stuffing box through which the shaft extends, said shaft being adapted to transmit rotary motion only.

1,629,759. STRAIGHTENING MACHINE. GEORGE A. WISE, Pittsburgh, Pa., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1925. Serial No. 74,320. 17 Claims. (Cl. 153—54.)

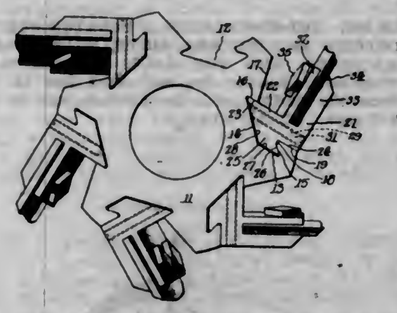
11. In a machine for straightening and reeling bars and the like, the combination of two cooperating disks,

shafts carrying said disks, and bearings for said shafts disposed out of mutual alinement with each other, each of said disks comprising a portion fixed to its shaft and



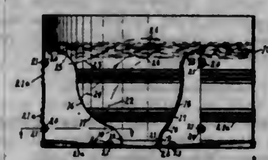
a portion concentric therewith mounted for free rotation with respect to the shaft and the fixed portion of the disk.

1,629,760. CUTTER HEAD. CHARLES WOLF, Beloit, Wis., assignor to Yates-American Machine Company, Beloit, Wis., a Corporation of Delaware. Filed Feb. 17, 1926. Serial No. 88,789. 6 Claims. (Cl. 144—230.)



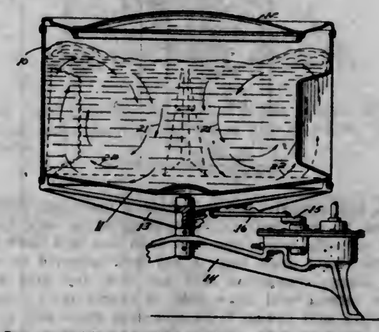
1. A cutter-head having an undercut groove in its surface and a face external to said groove, in combination with a knife-carrier in said groove having a transverse wedging engagement with a wall of said groove and having a surface bearing on said cutter-head face, and means tending to increase said wedging action by moving said carrier crosswise of said groove.

1,629,761. WASHING MACHINE. OLIVER B. WOODROW, Newton, Iowa. Filed Apr. 13, 1925. Serial No. 22,796. 1 claim. (Cl. 259—7.)



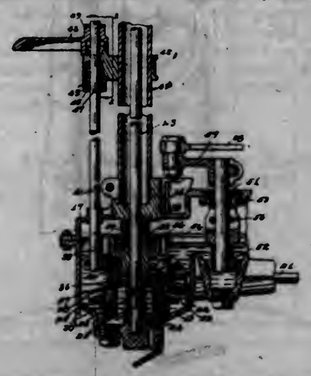
In a washing machine, the combination of a tub body having a bottom and sides, a series of agitator blades mounted therein, each blade being formed with an upright member with its outer edge adjacent to the side of the tub body and its inner edge projected toward the center of the tub body, each blade being also formed with a lower portion adjacent to the bottom of the tub body and extended upwardly a short distance from the tub body, the inner end of said lower portion being spaced apart a considerable distance from the center of the tub body, and the inner edge of the upright member of the blade being spaced substantially midway between the inner edge of the lower portion and the outer edge of the tub body, the space within the interior of the body between the inner ends of the blades at the bottom being free and unobstructed to permit the passage of garments across the center of the body by the currents created by the agitator blades when the body is oscillated, the upwardly extended portion being designed to create currents of water within the tub in a direction toward the center of the tub and the lower portion of the blade being designed to create upwardly extending currents within the body of the tub, substantially as and for the purposes stated.

1,629,762. WASHING MACHINE. OLIVER B. WOODROW, Newton, Iowa. Filed Aug. 9, 1926. Serial No. 128,281. 4 Claims. (Cl. 259—75.)



1. In a washing machine, the combination of a substantially upright tub, means for imparting an oscillating rotary movement to the tub, and a series of impellers in substantially upright position adjacent to the interior wall of the tub, the sides of said impellers being tapered from a maximum width at their lower ends to a minimum width at their upper ends, for the purposes stated.

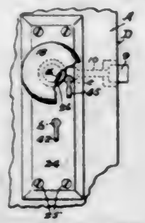
1,629,763. CLUTCH MECHANISM FOR WASHING MACHINES. OLIVER B. WOODROW, Newton, Iowa. Original application filed Apr. 13, 1925, Serial No. 22,797. Divided and this application filed Nov. 2, 1925. Serial No. 66,349. 2 Claims. (Cl. 192—109.)



1. In a mechanism of the class described, the combination of a shaft, a conical clutch member fixed to the shaft, said clutch member beyond its clutching face

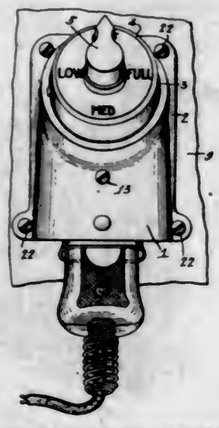
being extended outwardly and then at an angle slightly divergent from the working face of the clutch member, a second clutch member slidingly mounted on the shaft and having a substantially conical shaped working face to coact with the working face of the first named clutch member, a casing in which said parts are contained, said casing being designed to also contain oil, said fixed clutch member being formed with oil passageways, whereby when the sliding clutch member is moved toward the fixed clutch member, oil contained between the sliding clutch member and the fixed clutch member will be forced out through said openings and the clutching action retarded thereby.

1,629,764. LOCK. WILLIAM E. WREAD, Los Angeles, Calif., assignor, by mesne assignments, to Wread Products Corporation, a Corporation of California. Filed Sept. 8, 1925. Serial No. 54,965. 11 Claims. (Cl. 70—29.)



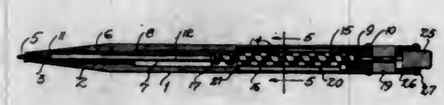
1. A lock comprising a lock body, a draw bolt slidably mounted in said body, a knob mounted on said body; means operably connecting said knob and said draw bolt to retract said draw bolt; a key lock mounted on said body; means connecting said key lock and said draw bolt to retract said draw bolt; a thumb latch; means connecting said thumb latch and said draw bolt to retract said draw bolt, said knob operated draw bolt retracting means, key operated draw bolt retracting means and thumb latch operated draw bolt retracting means each being independently operable to retract said draw bolt irrespective of the other retracting means.

1,629,765. SWITCH BRACKET. HENRY A. ZIOLA, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Co., Toledo, Ohio, a Corporation. Filed Oct. 12, 1925. Serial No. 62,105. 2 Claims. (Cl. 200—169.)



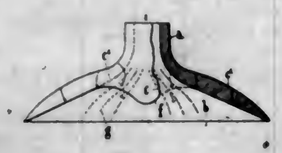
1. A switch and terminal bracket comprising a switch casing member having side walls with lateral attaching means and an outwardly spaced skirt portion open at its rear and bottom, a transversely disposed insulated block having terminal members and secured to the inner face of said skirt, and a controlling switch located in the casing member and connected to said terminals.

1,629,766. PENCIL. JULIUS SWANBERG, Chicago, Ill., assignor, by mesne assignments, to Robert Chelton, Chicago, Ill. Filed Apr. 2, 1924. Serial No. 703,590. 4 Claims. (Cl. 120—18.)



3. In a pencil, a casing, a lead-propelling mechanism rotatably mounted therein, and resilient helical means in the casing cooperating with said lead-propelling mechanism to propel the lead, said helical means being in engagement under compression with a portion of said lead-propelling mechanism, whereby to retard rotation of the mechanism.

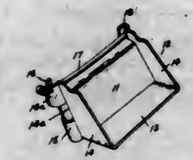
1,629,767. JET-PROPULSION APPARATUS FOR THE DRIVING OF VEHICLES, SHIPS, BOATS, FLYING MACHINES, AND THE LIKE. SALUSTIO VALDÉS, Westminster, London, England. Filed Dec. 15, 1924, Serial No. 756,131, and in Great Britain Mar. 18, 1924. 8 Claims. (Cl. 115—11.)



1. Improved reaction propelling device for a vehicle comprising in combination a hollow hub, a hollow extension connected to and flaring outwardly from such hub, a pair of broad shallow lips terminating such extension from between which pressure fluid is adapted to issue, and convergent stream line external surfaces to the lips and extension member, whereby the medium in which the propeller is immersed flows towards and across the lips so that the issuing pressure fluid obtains full impact upon the external medium.

1,629,768. GROUSER. PAUL WEEKS, Detroit, Mich., assignor to the Secretary of War of the United States, trustee. Filed June 21, 1926. Serial No. 117,651. 6 Claims. (Cl. 305—10.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. In a combination, a track for vehicles consisting of tread plates having link members, a grouser for each tread plate, said grouser formed of a transverse pressure plate adapted when in place to rest on the link members and longitudinally extending substantially triangular side plates each provided with an aperture, a pair of ears formed on said side plates for gripping the tread plate, the foremost of said ears enlarged at one



end to facilitate application of the grouser, and a spring key insertable through the apertures of the side plates and engageable against the tread plate.

1,629,769. CROSS-DYEING CELLULOSE FABRIC. JOHN C. WATSON, Attleboro, Mass., assignor of one-half to Thayer P. Gates, Providence, R. I. Filed July 20, 1926. Serial No. 123,802. 22 Claims. (Cl. 8—5.)

4. The herein described improved process of manufacturing an all cellulose textile fabric having component sets of warp and filling threads of contrasting colors which comprises treating before weaving one of said component sets of threads with an intermediate dye component, then weaving said component set with the other component set to form the fabric and, treating the fabric with a second intermediate dye component to couple said components to form a dye stuff impregnated on the prepared set.

17. The herein described improved step in the process of manufacturing an all cellulose textile fabric in contrasting colors, which comprises simultaneously treating the warp in the slashing process with a size and with a solution of a naphthol, each of which has no appreciable effect upon the functioning of the other.

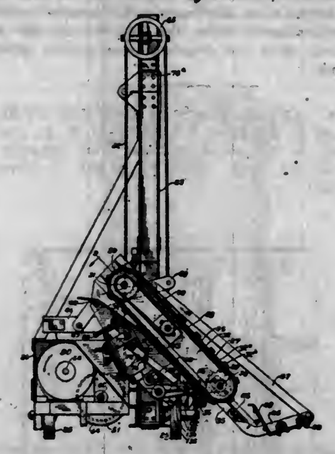
1,629,770. CROSS-DYEING CELLULOSE FABRIC. JOHN C. WATSON, Attleboro, Mass., assignor of one-half to Thayer P. Gates, Providence, R. I. Filed July 20, 1926. Serial No. 123,803. 28 Claims. (Cl. 8—5.)

1. The herein described improved process of manufacturing an all cellulose textile fabric having component sets of warp and filling threads of contrasting colors which comprises treating before weaving one of said component sets with a dyestuff, treating the other component set with a different dye-stuff, then weaving said component sets to form the fabric and after weaving treating the fabric with a chemical which acts on one component set to form a dyestuff of one color thereon and acts on the other component set to form a dyestuff of a different contrasting color thereon.

9. The herein described improved process of manufacturing an all cellulose textile fabric in contrasting colors, which comprises simultaneously treating the warp in the slashing process with a size and with a stabilized soluble derivative of a vat dyestuff, each of which has no appreciable effect on the functioning of the other, weaving the fabric in the usual manner with a filling, and treating the fabric to form the vat dyestuff on the prepared warp.

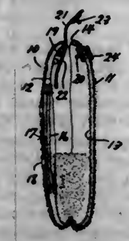
1,629,771. PORTABLE STACKING MACHINE. WILFRED S. YOUNG, Chicago, Ill., assignor to Economy Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1922. Serial No. 577,563. 53 Claims. (Cl. 214—95.)

1. A raising and lowering machine comprising, in combination with a stationary upright frame, a load-supporting platform, a cradle guided for up and down movements in the frame and movably supporting the platform, and



motive power means for elevating the cradle with its platform and imparting endwise bodily movement to the platform.

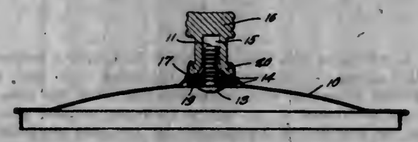
1,629,772. POWDER PUFF. SAVERIO BIONDI, Los Angeles, Calif. Filed Dec. 18, 1925. Serial No. 76,304. 2 Claims. (Cl. 132—78.5.)



1. A powder puff of the character described comprising an outer casing including a pair of sections secured together, a lining secured within the casing and likewise formed of connected sections, the space within the lining constituting a reservoir for the storage of powder to be used, one section of the casing being provided with a plurality of eyelets permitting the discharge of powder therethrough, the lining at said apertured or eyelet side of the casing being formed with an opening, wire screen located between the lining and the apertured side of the casing for limiting the flow of powder,

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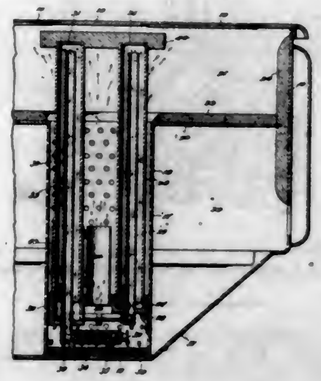
1,629,773. KNOB. ERNST F. BOSSUNG, Hamilton, Ohio. Filed Oct. 17, 1925. Serial No. 63,152. 1 Claim. (Cl. 16—121.)



A knob attachment for use upon pan tops having a bore extending within one end thereof, a shank forming a plurality of frusto-conical shaped members disposed in

end to end relation and extended through the top and within said bore, a disk member seated upon the top below the knob, attaching ears carried by the disk and secured to the knob, and spring lugs struck centrally and extending upwardly from the disk within the bore for engagement with the frusto-conical shaped portions of the shank.

1,629,774. APPARATUS FOR BURNING FUEL OILS. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor of one-half to Joseph Goodfellow, Fort Edward, N. Y. Filed Oct. 16, 1925. Serial No. 62,851. 6 Claims. (Cl. 158—56.)



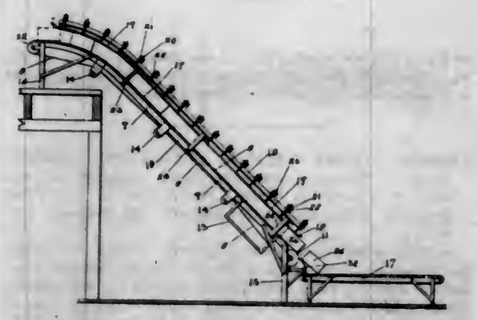
1. An apparatus for burning fuel oil including a steam generator heated to a greater degree at one end than the other, means supplying water to the cool end of said generator, an oil vapor generator heated to a greater degree at one end than the other, means supplying oil to the cool end of said vapor generator, means for conducting steam from the heated end of said steam generator to the cool end of said vapor generator to mingle with the oil vapors and form a fuel mixture, a portion of the latter means being housed within the steam generator, a nozzle supplied by said mixture and disposed to effect the heating of said generators by the combustion of said mixture, and means for conducting the fuel mixture from the heated end of said vapor generator to said nozzle and having a portion thereof housed within the vapor generator.

1,629,775. PEN ATTACHMENT. STANLEY COLLANDER, Scranton, Pa. Filed Oct. 12, 1922. Serial No. 594,123. Renewed Oct. 20, 1926. 3 Claims. (Cl. 120—84.)



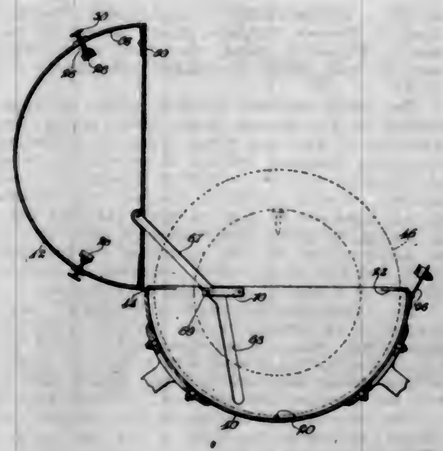
1. A device of the class described including a hollow handle having a longitudinally extending slot and, a transverse extending slot communicating with the other slot and positioned in its end, a U-shaped member positioned in the hollow handle having its ends projected through the second mentioned slot and bent to provide angular extensions fixed to the end of the handle, said member provided with notches, an eraser having projections for engaging the slot and means on the eraser projecting from the first mentioned slot whereby the eraser may be moved to disengage its projection from the notches and move longitudinally of the handle either in a projected position or a withdrawn position.

1,629,776. CONVEYER. FRANK W. CUTLER, Portland, Oreg., assignor to Cutler Manufacturing Company, Portland, Oreg., a Partnership. Filed Oct. 5, 1925. Serial No. 60,596. 5 Claims. (Cl. 198—160.)



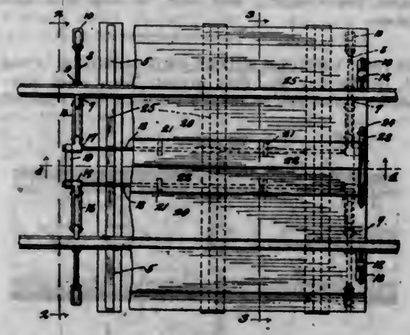
1. An endless traveling conveyer; a member parallel to said conveyer; and yieldably mounted articulated bars mounted upon said member and adapted to contact with material upon said conveyer.

1,629,777. TIRE CARRIER AND PROTECTOR. CHRIST DAHL, Chicago, Ill. Filed Dec. 2, 1925. Serial No. 72,791. 1 Claim. (Cl. 224—29.)



A tire carrier comprising a stationary hollow semi-cylindrical tire receiving section, a similarly shaped cover section hinged thereto, internal ribs formed on the abutting peripheral edges of said sections for seating said cover section in service position, said ribs being extended to form spacers for a tire in the carrier, and manually adjustable means for binding a tire in said carrier against said spacer ribs.

1,629,778. CROSSING. STEVEN G. DAVIS, Perrysville, Ind. Filed Jan. 13, 1927. Serial No. 160,917. 4 Claims. (Cl. 238—8.)



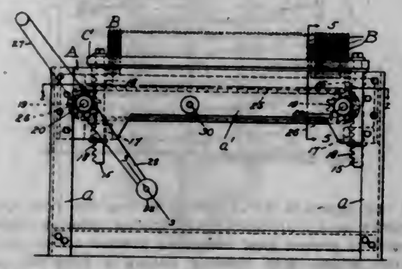
1. A highway crossing for railway tracks embodying supporting bars having notches and secured to the ties of the railway track, clamping members secured to the rails, rods supported by the clamping members and resting in the notches, outer highway sections having hook members, means for removably connecting the hook members to the clamping members, center planks forming a part of the highway crossing and having hooks engaging the rods to hold the planks in position, and means engaging the upper surfaces of the planks for holding the planks against upward movement.

1,629,779. FASTENER. FERNAND DEGUELDRE, Brussels, and LUCIENE DEMARET, née DEGUELDRE, La Louviere, Belgium. Filed May 27, 1926, Serial No. 112,121, and in Belgium May 4, 1926. 2 Claims. (Cl. 24—248.)



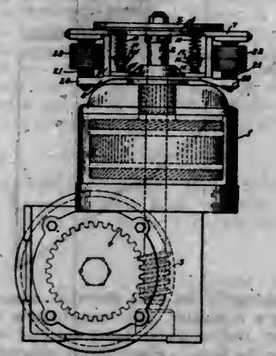
1. A fastener for wearing apparel, comprising an oblong plate having raised longitudinal edges, a U-shaped wire pivoted to one end of said plate, the shanks of said wire being adapted to lie against said edges substantially throughout their length, and catches on said plate for receiving the ends of said shanks.

1,629,780. APPARATUS FOR USE IN ASSEMBLING RADIATOR CORES. CHARLES W. DIPPERT, Kenmore, N. Y. Filed July 22, 1926. Serial No. 124,269. 22 Claims. (Cl. 29—84.)



1. An apparatus for use in assembling fin and tube radiator cores, including a support for one edge of each fin, and a plurality of guide members adapted to cooperate with the faces of said fins for positioning the fins in correct alinement for the insertion of tubes therethrough.

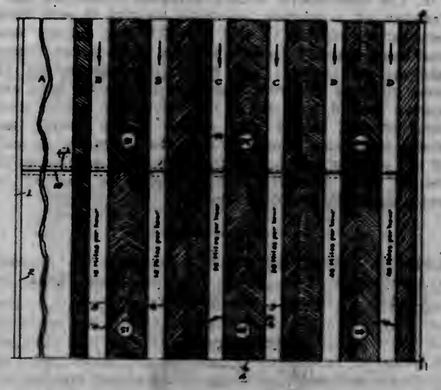
1,629,781. ELECTRICALLY-RELEASED BRAKE. JOHN W. DODE, Brookline, Mass., assignor to George T. McLauthlin Company, Boston, Mass., a Corporation of Rhode Island. Filed June 3, 1925. Serial No. 34,523. 6 Claims. (Cl. 188—171.)



1. The combination with a motor having a casing and a rotor shaft, of a frame carried by said casing and through which said shaft passes, said frame having marginal portions directed away from said casing and having guideways at their free ends, a plate movable axially of said shaft and having portions fitting said guideways and preventing rotation of said plate with said shaft, a disk fixed to said shaft outwardly of said plate, posts extending outwardly from said frame between said marginal portions, abutments adjustable lengthwise of said posts, springs bearing between said abutments and plate for pressing said plate toward said disk, and electromagnets carried by said frame between said margins and energizable to draw said plate away from said disk against the action of said springs.

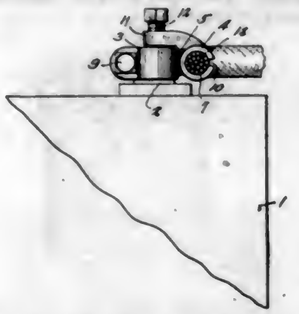
1,629,782. ONE-WAY MOTOR WAY OR STREET. CLYDE T. ELDREDGE, San Francisco, Calif. Filed July 7, 1924. Serial No. 724,625. 4 Claims. (Cl. 94—2.)

1. In a concrete street or highway, a pair of spaced smooth tracking area for road vehicles with a grooved surface formed on the street adjacent the tracking areas having grooves, extending at an angle to the smooth tracking areas.



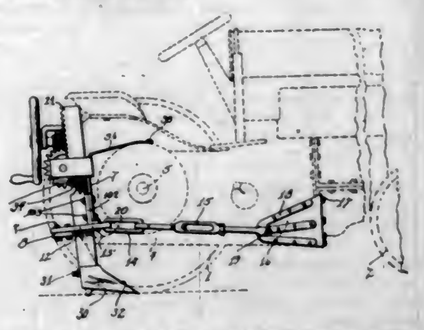
3. A street paving comprising a slab of concrete covering the roadway with a transversely extending concrete girder thereunder formed integrally with the slab, and a slot in the slab aligned over the girder extending from the surface of the slab downwardly a distance substantially equal to the thickness of the slab.

1,629,783. CONNECTER. HARRY FINKLE, Philmont, N. Y. Filed June 29, 1926. Serial No. 119,408. 2 Claims. (Cl. 173—239.)



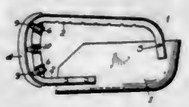
1. A connecter of the class described, comprising means for holding a conductor, and comprising a socket for a battery post, the connecter being supplied with an arm overhanging the socket, and a thrust member movable in the arm and adapted to cooperate with a battery post to dislodge the connecter therefrom.

1,629,784. SCARIFIER. CLARENCE E. GILBERT, Aberdeen, S. Dak. Filed Sept. 2, 1924. Serial No. 735,470. 4 Claims. (Cl. 262—8.)



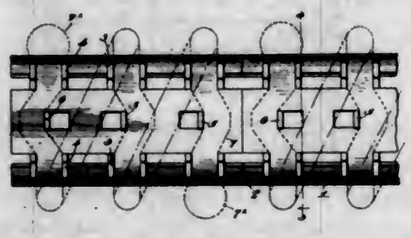
1. The combination with a standard tractor having a drawbar, of a scarifier removably secured to said drawbar, cutters carried by said scarifier, said cutters being positioned directly below the rear axle of the tractor whereby said cutters will remain in substantially the same plane as the front wheels of the tractor pass over uneven ground, and means for preventing lateral movement of said cutters with respect to the tractor, said means comprising adjustable members secured to the ends of the scarifier and having their free ends secured to the tractor, said members being adapted to prevent the swinging of the scarifier rearwardly.

1,629,785. SCRAPER SHOE. CLARENCE E. GILBERT, Aberdeen, S. Dak. Filed June 21, 1926. Serial No. 117,517. 3 Claims. (Cl. 37—140.)



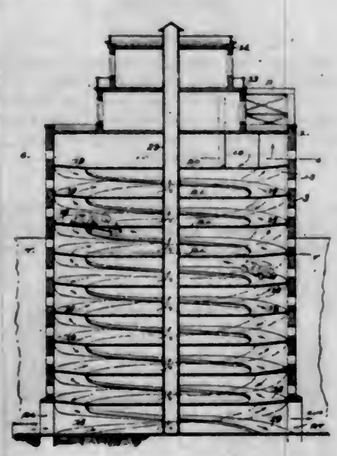
1. The combination with a scraper bucket having a shoe holding member, of a curved shoe of wear-resisting material arranged to fit on a portion of said shoe holding member and having an extension on one side thereof, and clamping means carried by said extension and arranged to engage the inner part of said shoe holding member for clamping said shoe to said shoe holding member.

1,629,786. VEHICLE WHEEL-GRIP MEMBER. CHARLES H. GUNTHORPE, Sr., Port Arthur, Tex. Filed Mar. 29, 1926. Serial No. 98,258. 3 Claims. (Cl. 152—16.)



2. A device of the character described comprising a strip of light gauge metal adapted to encircle the tread of an automobile wheel tire and to contact with the periphery of said tire, said strip being curved transversely to conform to the curvature of the peripheral portion of the associated tire, said strip being formed with longitudinally spaced pairs of outwardly turned lugs arranged in two rows respectively located at opposite sides of the longitudinal median line of the strip, the lugs of each pair being struck oppositely from the body of the strip, and a flexible traction member wound about the rim of the wheel and about the strip on said wheel tire, the convolutions of said flexible traction member extending between adacent pairs of lugs of each of said rows of lugs on the strip.

1,629,787. BRIDGE APPROACH. ALLEN S. HACKETT, New Orleans, La. Filed May 7, 1926. Serial No. 107,458. 2 Claims. (Cl. 20—1.)



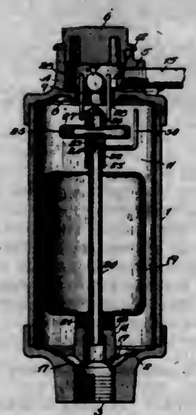
1. An approach for a bridge having the floor ending abruptly at an altitude above ground lever, a building erected at ground level extending upward across the end of the bridge, said building having a relatively large opening at which the bridge floor communicates with the interior of the building and having a pair of openings at ground level being diametrically opposite each other, a continuous spiral ramp located within the building and communicating at the lower end with one of said ground level openings, a second continuous spiral ramp having its convolutions interposed between those of the first mentioned ramp and communicating at its lower end with the other ground level opening, and tangential portions extending from the opposite and upper ends of said ramps being disposed side by side and communicating with said relatively large bridge opening.

1,629,788. ENVELOPE. LINWOOD WENDELL HARGROVES and HERBERT LOUIS HERMAN, Augusta, Ga. Filed Mar. 1, 1923. Serial No. 622,073. 1 Claim. (Cl. 229—78.)



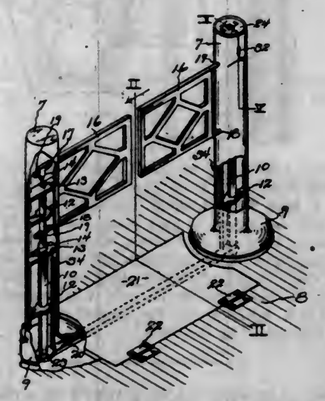
In an envelope, a body portion having an open end and a closed end, cloth members secured transversely of the body portion at a point adacent to the open end of the body portion, and on opposite sides thereof, to permit the open end of the body portion to be folded laterally in either direction to close the body portion, eyelets secured to the body portion at points in spaced relation with the open end of the body portion, fastening members secured to the body portion at opposite sides thereof and adapted to be inserted in the eyelets when the open end of the body portion is bent laterally in either direction, and each of the outer faces of the body portion adjacent to the open end thereof being ruled to receive the name and address of the person sending the envelope.

1,629,789. AIR AND VACUUM VALVE. AMOS HARRISON, Chicago, Ill., assignor to Jas. P. Marsh & Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1920. Serial No. 390,568. 2 Claims. (Cl. 236—62.)



1. In a device of the kind described and in combination, a casing comprising a tubular shell provided with end closures, the closure at the lower end provided with a chambered upwardly-extending part having a port therethrough for the admission to or discharge of fluid from the casing, the upper closure provided with a chamber communicating with the casing, and having an adjustable valve seat in said last mentioned closure, valve mechanism seating on said valve seat for controlling the flow of fluid between said upper closure and casing, means for automatically controlling said valve mechanism by either the admission of a predetermined amount of fluid to the casing or a predetermined temperature therein, and a movable tubular part open at its upper end adjacent the upper closure and open at its lower end and extended into and communicating with the interior of the upwardly-extending chambered part of the lower closure at a point above the inner surface of the bottom wall of the casing.

1,629,790. AUTOMATIC GATE. HARRY M. HIRSCH and FRANK A. HARRIS, Parsons, Kans. Filed Oct. 29, 1925. Serial No. 65,610. 5 Claims. (Cl. 39—18.)



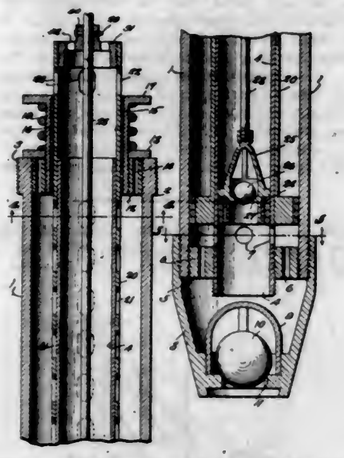
1. In a gate of the character described a pair of spaced apart tubular posts, means housed by each post for swingingly supporting a gate member, and adapted to carry said member through a spiral path when swung, a slot formed in the wall of each tubular post to receive a portion of the respective gate and means for operating said swinging means, said slots being spirally formed in the wall of said tubular posts to correspond to the spiral path of travel of the gate.

1,629,791. RAIL JOINT. ZACHARY T. HOSKINS, Chicago, Ill. Filed Sept. 22, 1924. Serial No. 739,098. 5 Claims. (Cl. 238—260.)



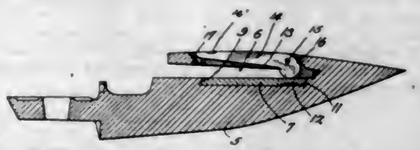
1. In a rail joint of the kind described and in combination, abutting rails, a tie plate, splice bars arranged on either side thereof, and bridging the joint between the rails, the bars extended to overlie and seat on the tie plate, means for securing the bars and tie plate to the tie, said rail ends and splice bars provided with bolt holes, and bolts passing through the bars and rail ends, the bolts passing through one rail end being of slightly less diameter than the bolts passing through the other rail end, whereby said bolts are of less diameter than the holes through which they pass for permitting movement of one rail end relative the other.

1,629,792. DOUBLE-ACTING PUMP. JOHN SAMUEL HUNTER, Coalinga, Calif. Filed Mar. 1, 1926. Serial No. 91,547. 1 Claim. (Cl. 103—187.)



A pump comprising an outer barrel, a foot valve for the outer barrel, an inner barrel fixed within the outer barrel, a tube slidable upon the inner barrel and provided with an outlet, a first piston carried by the tube and slidable between the barrels, a second piston slidable within the inner barrel and provided with a downwardly closing valve, means for connecting the second piston to the tube to move therewith, and a spring-seated relief valve which operates at the upper end of the outer barrel, externally of the tube.

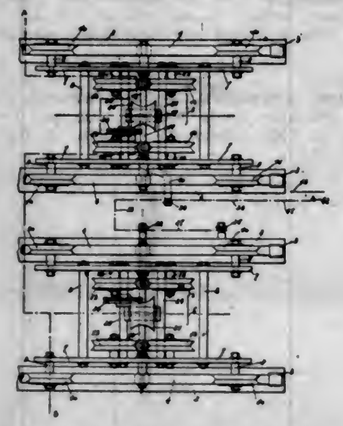
1,629,793. LEDGER-PLATE FASTENER FOR GUARD FINGERS. MATIAS M. HUSTAD, Ortley, S. Dak., assignor of one-half to Ole J. Orton, Ortley, S. Dak. Filed Dec. 5, 1925. Serial No. 73,499. 2 Claims. (Cl. 56—311.)



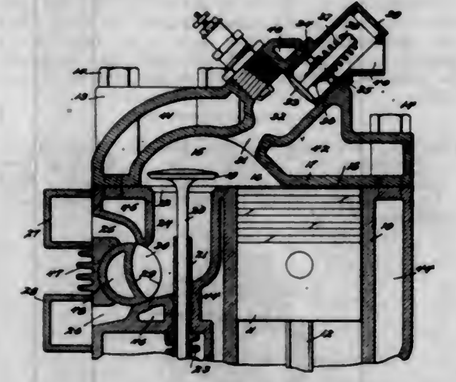
1. A cutter bar guard finger having a blade opening, the lower surface of the blade opening being cut away, a ledger plate positioned in the cut away portion, said ledger plate having a forwardly extended portion, an arm pivotally supported above the ledger plate and adapted to move vertically with respect to the ledger plate, said arm having a cam shaped enlargement at one of its ends adapted to engage the forwardly extended portion of the plate to lock the plate against movement, and means for normally locking the arm against movement.

1,629,794. TARGET-PRACTICE DEVICE. JOSEPH ELIE THÉODULE JACQUEMIN and MAURICE PASCHAL CÉLESTIN FRÈRE, Brussels, Belgium. Filed Apr. 29, 1924. Serial No. 709,928, and in Belgium May 1, 1923. 6 Claims. (Cl. 124—15.5.)

1. In a target practice device, in combination two movable supporting elements, the said supporting elements being arranged in vertical parallel pinnes and adapted to follow the movements of a freely manipulated gun during the aiming of a marksman, a registering pantograph acted upon by the said supporting elements at two movable points, means for recording the movements of the said pantograph and a correcting device, the said correcting device being inserted between one of the supporting elements and the movable point of the pantograph which is acted upon by the said supporting element.



1,629,795. INTERNAL-COMBUSTION ENGINE. FRANK MYRON JOBBS, Ann Arbor, Mich. Filed Mar. 4, 1924. Serial No. 696,878. 12 Claims. (Cl. 123—75.)

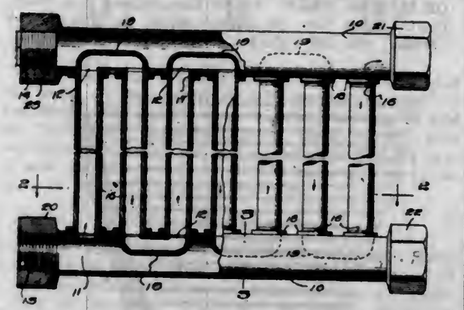


1. In an internal combustion engine of the L-head type, a cylinder, a valve, a piston reciprocating in said cylinder, a combustion chamber adjoining and communicating restrictedly with the end of said cylinder, the end of said cylinder being otherwise permanently closed by a head substantially engaged by the top of the piston at upper center, an isolated pocket in communication with said combustion chamber through a restricted port, said port being directed toward said valve and means for supplying said pocket with a rich combustible mixture.

1,629,796. MANIFOLD. WILLIAM C. KERWIN, Joplin, Mo. Filed Aug. 25, 1926. Serial No. 131,498. 2 Claims. (Cl. 257—252.)

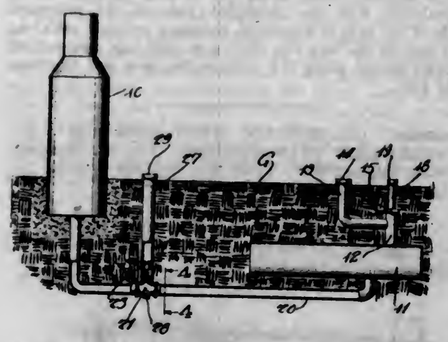
1. A device of the character described comprising a pair of spaced headers provided with openings at the ends thereof adapted to receive closure members whereby a selected pair of the said openings may be closed, each of said headers being also provided with spaced openings

in the wall thereof, means communicating with the headers for conducting fluid in a circuitous path back and forth from one header to the other, said fluid conducting means comprising spaced pipes whose ends are secured within the said spaced openings in said headers, means provided within each header to prevent the discharge of fluid from the fluid conducting means into said headers



except at the ends of said fluid conducting means whereby upon the closure of either of the two end openings in each header fluid may be admitted at either of the two remaining end openings and discharged from the other of said remaining end opening after passing through the entire length of the said circuitous fluid conducting means, substantially as described.

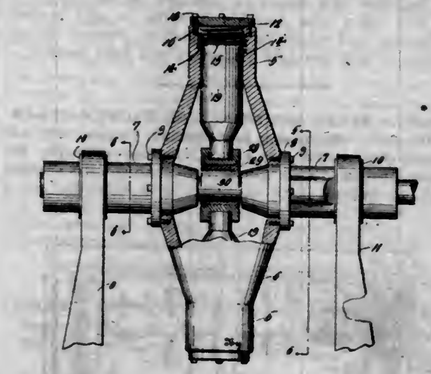
1,629,797. FILLING-STATION VALVE AND KEY. ADAM KNITTEL, Tyner, Tenn. Filed Mar. 10, 1926. Serial No. 93,789. 2 Claims. (Cl. 251—100.)



2. In combination, a valve having a rotatable stem, a cylindrical head fixed on said valve stem and provided with a slot and a pin recess, a key having a head provided with a cylindrical recess fitting over said stem head, a blade projecting from the bottom of the key head recess and fitting said slot, a pin projecting from the bottom of the key head recess and fitting the recess in the stem head, and a guide tube carried by the valve and surrounding the stem and its head, said tube being of a size to receive and guide the key head into position on the stem head.

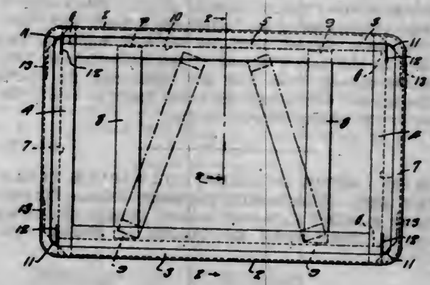
1,629,798. COMPRESSOR. FRANK W. KNOWLES, Seattle, Wash. Filed Aug. 24, 1925. Serial No. 52,037. 5 Claims. (Cl. 230—31.)

1. In a rotary compressor, a cylinder block embodying a pair of radial alined cylinders connected by a crank case, sleeves rigid with and projecting outwardly from the crank case in horizontal alined relation, means rotatably receiving the sleeves and supporting the latter and the cylinder block, a stationary shaft extending through the sleeves and about which the latter and the cylinder block are adapted to rotate, pistons reciprocable in said cylinders, a rigid guide frame to which the inner



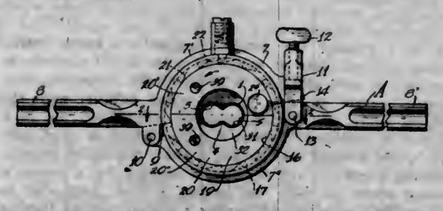
ends of the pistons are fixed, an eccentric block slidable in said frame, and an eccentric rigid with the shaft and having a block revolubly fitted thereon.

1,629,799. TABLE TOP. OAK LANDAW, Nappanee, Ind. Filed June 10, 1925. Serial No. 36,229. 2 Claims. (Cl. 45—31.)



1. In combination with a sheet metal table top having a flanged rim, a frame adapted to fit in the flanged rim, said frame comprising slidable side members, end members coacting with the side members, mitered, slotted and reduced ends on the end members whereby pressure is removed from the corners of the table top and exerted on the central portion of the ends thereof and transverse braces adapted to be forced between the slidable side members.

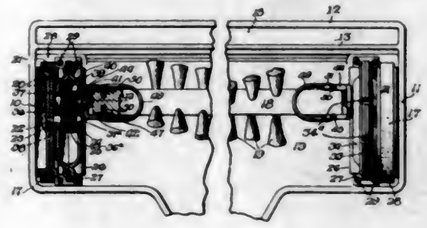
1,629,800. ELECTRICAL-TUBE-CONNECTER TWISTING DEVICE. WILLIAM J. LEACH, Burlington, Wis. Filed Mar. 9, 1925. Serial No. 14,342. 5 Claims. (Cl. 140—119.)



1. A tube twister comprising a body portion, a ratchet mechanism removably carried by said body portion, said ratchet mechanism comprising two sections hingedly se-

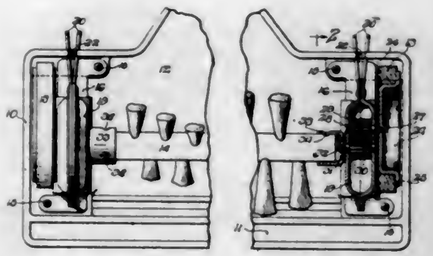
cured to each other, an arm carried by each section and extending outwardly, one on each side of said body portion, a die carried by each section, means for locking said dies together, and means for limiting the movement of said dies when said dies are disposed in said ratchet mechanism, said means being adapted to prevent the rotation of said dies with respect to said body portion.

1,629,801. BRUSH MOUNTING FOR VACUUM CLEANERS, ETC. WALDEMAR L. LINDGREN, Chicago, Ill., assignor to Alfred A. Norton, trustee, Chicago, Ill. Filed Dec. 8, 1924. Serial No. 754,505. 10 Claims. (Cl. 15—8.)



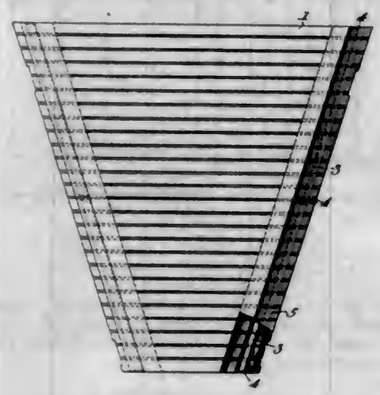
1. In a device of the class described, the combination with a framework, of bearing supports having the central portion thereof provided with hollow spaces which dust cannot enter carried thereby, ground wheels secured on shafts journaled in said supports, a brush shaft having the ends thereof journaled in said supports, and gearing in the hollow spaces of the supports and fully protected thereby from dust and connecting the shafts of the ground wheels and the brush shaft to rotate the latter as the ground wheels revolve.

1,629,802. BRUSH MOUNTING FOR VACUUM CLEANERS, ETC. WALDEMAR L. LINDGREN, Chicago, Ill., assignor to Alfred A. Norton, trustee, Chicago, Ill. Filed Dec. 8, 1924. Serial No. 754,506. 2 Claims. (Cl. 15—8.)



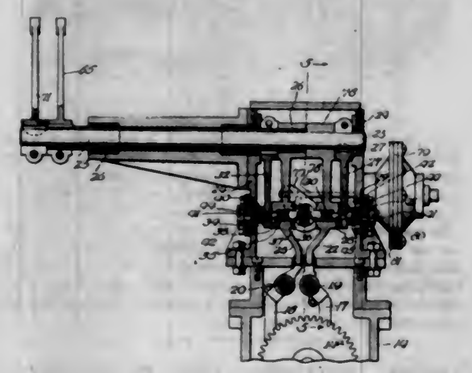
1. In a cleaner, the combination with a brush casing having vertical slots at each end with detent recesses in one side of said slots, of a downwardly projecting supporting bracket at each end extending parallel with the vertical slots, a bearing member adjustable on each bracket by rotating it about a center which is fixed relative to the bracket and having a shaft journaled therein, carrying a pinion, and forming a bearing for a brush, a ground wheel at each end having a shaft journaled in said bearing member and having a pinion secured thereto meshing with the brush pinion, one set of said shafts being located concentrically with the center about which the bearing member is rotated in adjusting it, while the others are located eccentrically thereof, and a spring arm secured to each of the bearing members and cooperating with the detent recesses in the slots as the bearing members are adjusted.

1,629,803. GRATE FOR BALL MILLS AND METHOD OF MAKING SAME. FRANK EARL MARCY, San Diego, Calif. Filed Nov. 22, 1926. Serial No. 150,072. 8 Claims. (Cl. 209—305.)



1. The method of uniting a plurality of grate bars, having a projecting lug at each end thereof into a rigid grate section, which comprises arranging the bars in parallelism with the projecting lugs at the respective ends of the bars in alignment, placing a metallic rod along the ends of the bars and resting on said lugs, and casting a steel binder along the ends of the bars and enclosing said rod.

1,629,804. CONTROLLING MECHANISM FOR VARIABLE-SPEED TRANSMISSIONS. LEE W. MELCHER, West Depere, Wis. Filed Jan. 7, 1926. Serial No. 79,752. 22 Claims. (Cl. 74—39.)



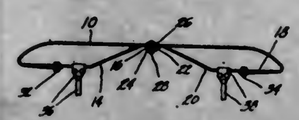
1. In propelling mechanism, the combination with a plurality of motors and variable transmission gearings driven by the motors respectively, of a manually operable gear shifting device, and means, controlled by one of the motors between said device and one of the transmission gearings whereby the device will be rendered effective or ineffective to shift the latter gearing.

1,629,805. RAIL-CAR TRANSFER. JAMES FRANCIS MCCARROLL, Baton Rouge, La. Filed Jan. 19, 1927. Serial No. 162,126. 9 Claims. (Cl. 104—48.)



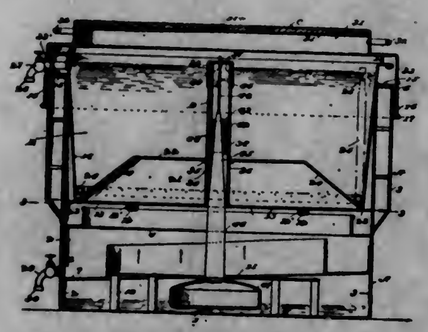
3. In combination with a car transfer and associated car tracks, slidable car track rails mounted on said car transfer, means for providing relative movement of said car track rails longitudinally to make contact with associated car tracks, and means for connecting the ends of said car rails to the ends of said associated car tracks to cause positive alignment therewith.

1,629,806. AUTOMOBILE COLLISION BUMPER. MONTGOMERY W. MCCONKEY, Ferndale, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 30, 1925. Serial No. 5,776. 1 Claim. (Cl. 293—55.)



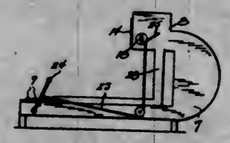
An automobile collision bumper comprising vertically spaced substantially parallel impact bars adapted to extend across one end of an automobile, the ends of the upper bar being bent rearwardly and inwardly and downwardly and the ends of the lower bar being bent rearwardly and inwardly and upwardly, opposite ends of the two bars being relatively longer and additionally bent forwardly to terminate adjacent the center of the impact bars, the other ends of the two bars being relatively short and secured respectively to the longer ends of the opposite bars, the forwardly bent end portions of the bars terminating in hooked extremities, in combination with a channel member engaging said hooked extremities and means for clamping the channel member to the central portions of the impact bars.

1,629,807. WATER STILL. ERNON V. OLIVER, Portland, Oreg. Filed May 10, 1920, Serial No. 380,216. Renewed Oct. 6, 1924. 3 Claims. (Cl. 203—5.)



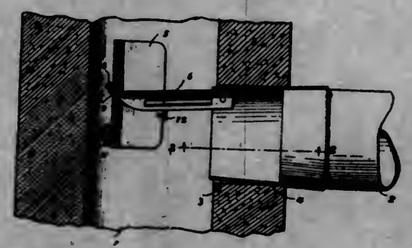
1. In apparatus of the class described, a receptacle, the lower portion of the interior of which constitutes a well for a liquid to be distilled, a trough within the receptacle extending about the walls thereof and spaced above the bottom of the well, the trough defining a space through which the vapors may rise from the well, a hollow condenser within the upper portion of the receptacle spaced bodily above the plane of the trough and having its condensing surfaces arranged to deliver the distillate to the trough, means for supplying water to the lower portion of the interior of the condenser, a tube extending upwardly within the condenser with its lower discharge end positioned above said space defined by the trough, the said tube having an inlet opening at its upper portion to provide for passage of water from the upper portion of the interior of the condenser through the tube and into the well of the receptacle, and means for regulating the flow of water into said tube, the said means comprising a cap rotatably fitted onto the upper end of the tube and having an opening for registration or partial registration with the opening in the tube in accordance with adjustment of the cap.

1,629,808. AMUSEMENT DEVICE. ARTHUR A. PAYNE, Humboldt, Kans. Filed Jan. 24, 1927. Serial No. 163,125. 6 Claims. (Cl. 273—41.)



1. In a counting head for games of the character described, a plurality of slidably mounted drops mounted for movement over the face of said head, a slot formed through said face behind the path of travel of each drop respectively, a shaft rotatably mounted within said head having an arm extending through each of said slots respectively for operative engagement with the respective drop and means for rotating said shaft to cause the arms to travel through said slots to lift the drops to the set position.

1,629,809. CHIMNEY ATTACHMENT. WILLIAM F. PHILLIPP, Yantic, Conn. Filed July 10, 1926. Serial No. 121,618. 4 Claims. (Cl. 126—285.)



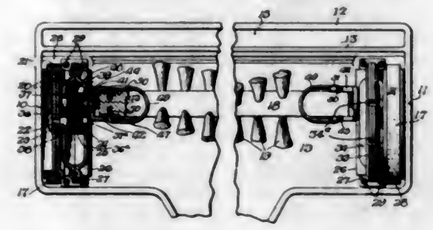
1. In combination with a chimney having an opening to receive a smoke pipe, a baffle disposed within the chimney about in line with the upper portion of the smoke pipe opening and a deflector disposed lengthwise of the chimney and free of the walls thereof, and pivoted to the end of the baffle.

1,629,810. PROCESS OF PRODUCING GASOLINE. HORACE B. SETZLER, Coffeyville, Kans., assignor to The National Refining Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 9, 1916. Serial No. 102,651. 4 Claims. (Cl. 196—68.)

1. A process involving the separation of carbon from gas-oil to produce gasoline, which consists in subjecting the gas-oil to pressure-distillation in a volume maintained substantially constant under conditions involving a pressure of from 50 to 100 pounds, temperatures of from 700°

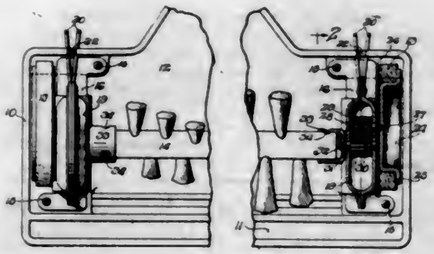
cured to each other, an arm carried by each section and extending outwardly, one on each side of said body portion, a die carried by each section, means for locking said dies together, and means for limiting the movement of said dies when said dies are disposed in said ratchet mechanism, said means being adapted to prevent the rotation of said dies with respect to said body portion.

1,629,801. BRUSH MOUNTING FOR VACUUM CLEANERS, ETC. WALDEMAR L. LINDGREN, Chicago, Ill., assignor to Alfred A. Norton, trustee, Chicago, Ill. Filed Dec. 8, 1924. Serial No. 754,505. 10 Claims. (Cl. 15—8.)



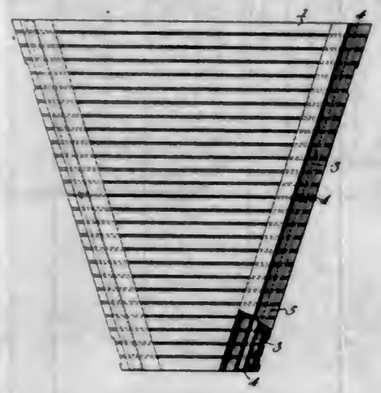
1. In a device of the class described, the combination with a framework, of bearing supports having the central portion thereof provided with hollow spaces which dust cannot enter carried thereby, ground wheels secured on shafts journaled in said supports, a brush shaft having the ends thereof journaled in said supports, and gearing in the hollow spaces of the supports and fully protected thereby from dust and connecting the shafts of the ground wheels and the brush shaft to rotate the latter as the ground wheels revolve.

1,629,802. BRUSH MOUNTING FOR VACUUM CLEANERS, ETC. WALDEMAR L. LINDGREN, Chicago, Ill., assignor to Alfred A. Norton, trustee, Chicago, Ill. Filed Dec. 8, 1924. Serial No. 754,506. 2 Claims. (Cl. 15—8.)



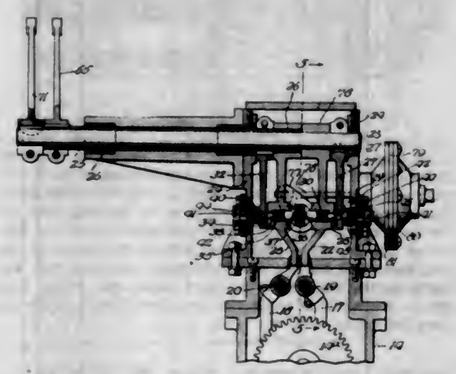
1. In a cleaner, the combination with a brush casing having vertical slots at each end with detent recesses in one side of said slots, of a downwardly projecting supporting bracket at each end extending parallel with the vertical slots, a bearing member adjustable on each bracket by rotating it about a center which is fixed relative to the bracket and having a shaft journaled therein, carrying a pinion, and forming a bearing for a brush, a ground wheel at each end having a shaft journaled in said bearing member and having a pinion secured thereto meshing with the brush pinion, one set of said shafts being located concentrically with the center about which the bearing member is rotated in adjusting it, while the others are located eccentrically thereof, and a spring arm secured to each of the bearing members and cooperating with the detent recesses in the slots as the bearing members are adjusted.

1,629,803. GRATE FOR BALL MILLS AND METHOD OF MAKING SAME. FRANK EARL MARCY, San Diego, Calif. Filed Nov. 22, 1926. Serial No. 150,072. 8 Claims. (Cl. 209—395.)



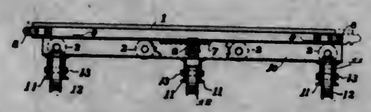
1. The method of uniting a plurality of grate bars, having a projecting lug at each end thereof into a rigid grate section, which comprises arranging the bars in parallelism with the projecting lugs at the respective ends of the bars in alignment, placing a metallic rod along the ends of the bars and resting on said lugs, and casting a steel binder along the ends of the bars and enclosing said rod.

1,629,804. CONTROLLING MECHANISM FOR VARIABLE-SPEED TRANSMISSIONS. LEE W. MELCHER, West Depere, Wis. Filed Jan. 7, 1926. Serial No. 79,752. 22 Claims. (Cl. 74—39.)



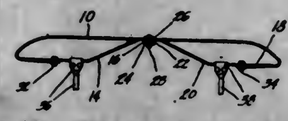
1. In propelling mechanism, the combination with a plurality of motors and variable transmission gearings driven by the motors respectively, of a manually operable gear shifting device, and means, controlled by one of the motors between said device and one of the transmission gearings whereby the device will be rendered effective or ineffective to shift the latter gearing.

1,629,805. RAIL-CAR TRANSFER. JAMES FRANCIS MCCARROLL, Baton Rouge, La. Filed Jan. 19, 1927. Serial No. 162,126. 9 Claims. (Cl. 104—48.)



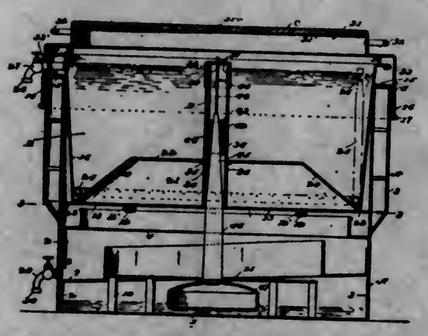
3. In combination with a car transfer and associated car tracks, slidable car track rails mounted on said car transfer, means for providing relative movement of said car track rails longitudinally to make contact with associated car tracks, and means for connecting the ends of said car rails to the ends of said associated car tracks to cause positive alignment therewith.

1,629,806. AUTOMOBILE COLLISION BUMPER. MONTGOMERY W. MCCONKEY, Ferndale, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 30, 1925. Serial No. 5,776. 1 Claim. (Cl. 293—55.)



An automobile collision bumper comprising vertically spaced substantially parallel impact bars adapted to extend across one end of an automobile, the ends of the upper bar being bent rearwardly and inwardly and downwardly and the ends of the lower bar being bent rearwardly and inwardly and upwardly, opposite ends of the two bars being relatively longer and additionally bent forwardly to terminate adjacent the center of the impact bars, the other ends of the two bars being relatively short and secured respectively to the longer ends of the opposite bars, the forwardly bent end portions of the bars terminating in hooked extremities, in combination with a channel member engaging said hooked extremities and means for clamping the channel member to the central portions of the impact bars.

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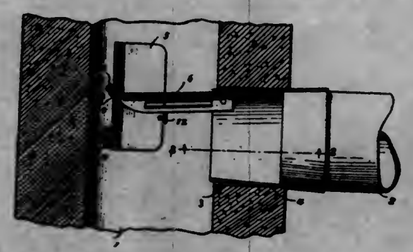
1. In apparatus of the class described, a receptacle, the lower portion of the interior of which constitutes a well for a liquid to be distilled, a trough within the receptacle extending about the walls thereof and spaced above the bottom of the well, the trough defining a space through which the vapors may rise from the well, a hollow condenser within the upper portion of the receptacle spaced bodily above the plane of the trough and having its condensing surfaces arranged to deliver the distillate to the trough, means for supplying water to the lower portion of the interior of the condenser, a tube extending upwardly within the condenser with its lower discharge end positioned above said space defined by the trough, the said tube having an inlet opening at its upper portion to provide for passage of water from the upper portion of the interior of the condenser through the tube and into the well of the receptacle, and means for regulating the flow of water into said tube, the said means comprising a cap rotatably fitted onto the upper end of the tube and having an opening for registration or partial registration with the opening in the tube in accordance with adjustment of the cap.

1,629,808. AMUSEMENT DEVICE. ARTHUR A. PAYNE, Humboldt, Kans. Filed Jan. 24, 1927. Serial No. 163,125. 6 Claims. (Cl. 273—41.)



1. In a counting head for games of the character described, a plurality of slidably mounted drops mounted for movement over the face of said head, a slot formed through said face behind the path of travel of each drop respectively, a shaft rotatably mounted within said head having an arm extending through each of said slots respectively for operative engagement with the respective drop and means for rotating said shaft to cause the arms to travel through said slots to lift the drops to the set position.

1,629,809. CHIMNEY ATTACHMENT. WILLIAM F. PHILLIPP, Yantic, Conn. Filed July 10, 1926. Serial No. 121,618. 4 Claims. (Cl. 126—285.)

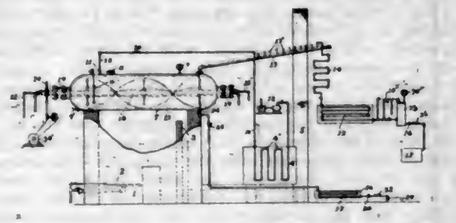


1. In combination with a chimney having an opening to receive a smoke pipe, a baffle disposed within the chimney about in line with the upper portion of the smoke pipe opening and a deflector disposed lengthwise of the chimney and free of the walls thereof, and pivoted to the end of the baffle.

1,629,810. PROCESS OF PRODUCING GASOLINE. HORACE B. SETZLER, Coffeyville, Kans., assignor to The National Refining Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 9, 1916. Serial No. 102,651. 4 Claims. (Cl. 196—68.)

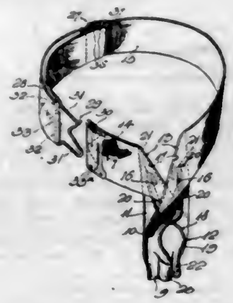
1. A process involving the separation of carbon from gas-oil to produce gasoline, which consists in subjecting the gas-oil to pressure-distillation in a volume maintained substantially constant under conditions involving a pressure of from 50 to 100 pounds, temperatures of from 700°

to 750° F., within a highly heated pressure space approximately equal to the volume of gas-oil under treatment; meanwhile subjecting the gas-oil to suitable means



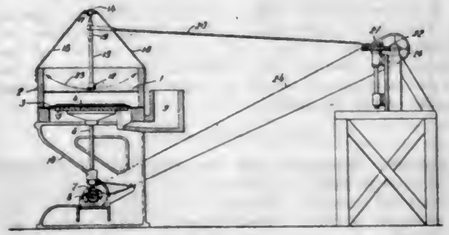
for concurrently scouring the bottom of the still and advancing the treated hydrocarbons to the point of withdrawal, substantially as set forth.

1,629,811. HOSE SUPPORTER. JAMES A. SKAER, Wichita, Kans. Filed Apr. 5, 1926. Serial No. 99,923. 4 Claims. (Cl. 241—6.)



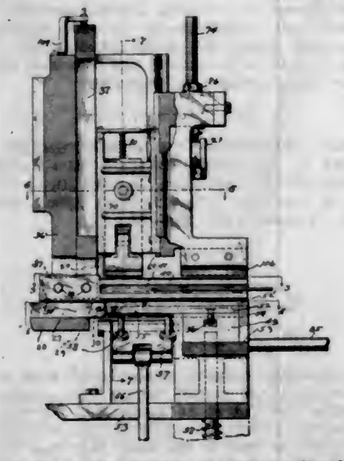
1. A hose supporter comprising a tab consisting of front and rear plies connected at their lower ends, a leg strap connected with the upper ends of said plies, said plies having pockets, spring means at the front of said tab connected with said plies to contract the leg strap and having hooks at its ends detachably booked into said pockets to detachably connect the plies and the spring means, and means for connecting hosiery to said tab.

1,629,812. APPARATUS FOR AND METHOD OF SCREENING PULP. JERRY W. STEVENS, Cloquet, Minn., assignor to Northwest Paper Company, Cloquet, Minn., a Corporation of Minnesota. Filed June 12, 1926. Serial No. 115,433. 9 Claims. (Cl. 92—32.)



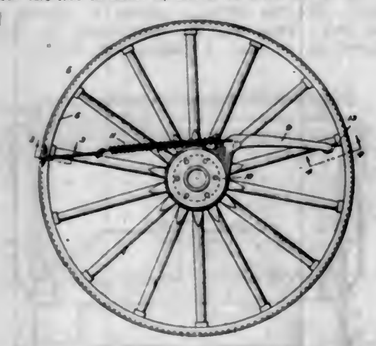
1. In a mechanism of the character described, the combination of a screen over which the water suspension passes, a water spray device above the screen made up of a plurality of spray-heads spaced at intervals along the direction of flow of the water suspension on the screen each of said spray-heads being provided with two openings to direct the water in opposite directions parallel to the flow of pulp in water suspension on said screen, means for reciprocating said spray-heads across the screen in a plane perpendicular to the flow of the water suspension, and means for supplying water to said spray-heads.

1,629,813. PROCESS OF AND MACHINE FOR MAKING FERRULES. GEORGE M. STEVENSON, Baltimore, Md. Filed May 20, 1925. Serial No. 31,636. 13 Claims. (Cl. 113—34.)



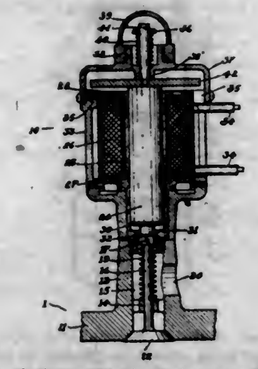
1. The steps in the process of forming ferrules for paint brush handles and the like which consist in preparing the ends of a blank for interlocking engagement, doubling the blank centrally of its length to bring the prepared ends into proximity, and moving the prepared ends into interlocking frictionally self-held engagement.

1,629,814. ROPE-TIRED WHEEL. ELIJAH N. TURNER, U. S. Army, Fort Wint, P. I. Filed Apr. 30, 1926. Serial No. 105,882. 4 Claims. (Cl. 301—41.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A wheel embodying a peripherally grooved felly provided with a pair of holes, a bent lever mounted on the hub of the wheel, a pivoted catch on the end of the lever adapted to engage the spokes of the wheel, a spring attached to the bent portion of the lever, a rope passed through one of the holes and knotted, said rope wound in the groove of the felly and the other end of the rope inserted through the remaining hole and secured to the spring.

1,629,815. MAGNETIC UNLOADER. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 23, 1922. Serial No. 570,819. 14 Claims. (Cl. 175—336.)

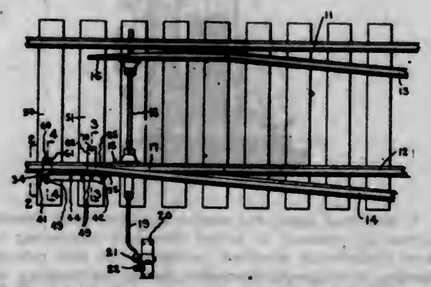


1. In an electropneumatic device, a valve, an electric circuit, movable means for holding said valve in one position and operable by a current of predetermined magnitude in said circuit to become ineffective with respect to said valve and a second movable means operable by a current of different magnitude in said circuit to impel said first movable means to hold said valve in said one position.

1,629,816. FLY AND INSECT TRAP. ALDER G. CARLSON, Moose Lake, Minn. Filed Apr. 24, 1926. Serial No. 104,441. 4 Claims. (Cl. 43—131.)

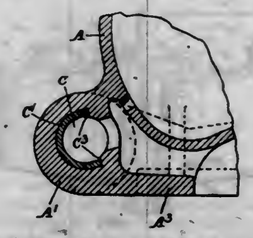
1. An insect trap comprising an elongated tray adapted to be arranged upon a window or other vertical support, and means for supporting the tray in a horizontal position, with its entire body in spaced relation with respect to the window or support so as to leave an elongated opening or passage between the tray and window or support.

1,629,817. SWITCH-POINT PROTECTOR. RALPH G. DEITMER, Hamilton, Ohio, assignor to The American Frog & Switch Company, Hamilton, Ohio, a Corporation of Ohio. Filed Sept. 25, 1925. Serial No. 58,674. 8 Claims. (Cl. 246—441.)



1. In combination, an upright wall, a riser wall and bracing means rigidly connected, said upright wall having an upright face arranged to be contacted by the end of the tread of a wheel, said bracing means arranged to be received in the side channel of the rail over which said wheel is arranged to ride and to coact with the walls of said side channel for bracing the rail, and said riser wall provided with a downwardly sloping end arranged to raise said tread with relation to said rail.

1,629,818. BUSHING. WALTER FERRIS, Milwaukee, and MATTHEW F. KEESE, South Milwaukee, Wis., assignors to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Dec. 2, 1921, Serial No. 519,359. Divided and this application filed Jan. 26, 1923. Serial No. 614,951. 4 Claims. (Cl. 74—32.)



1. In an articulated excavator chain: a link having a bushed eye; a bushing comprising a portion whose outer and inner surfaces are concentric semicylindrical surfaces; the portion so formed being extended into tangential portions formed integral therewith; and shoulders, formed in the aperture of the eye, and adapted to receive the abutting ends of the bushing.

1,629,819. WEED-DESTROYING COMPOSITION. HUGH EDWARD HUGHES, Berkeley, Calif., assignor, by direct and mesne assignments, to The Weed Control Company of California, Berkeley, Calif., a Corporation of California. Filed Sept. 16, 1924. Serial No. 738,004. 3 Claims. (Cl. 167—6.)

1. A weed destroying composition comprising an acidic aqueous solution of arsenic chloride.

1,629,820. CURTAIN BRACKET. WILLIAM W. HUYSER, Pueblo, Colo. Filed Apr. 26, 1926. Serial No. 104,744. 5 Claims. (Cl. 156—24.)

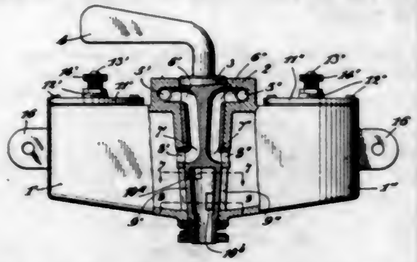


5. A curtain bracket comprising a shank and an arm extending radially from said shank, said shank being threaded and adapted to be screwed into a support and said arm having its outer portion folded back in spaced relation to its major portion to provide an open socket having side walls joined at their outer ends, the said side walls being formed with alined openings, one opening being circular and the other noncircular.

1,629,821. LIQUID-FLOW GOVERNOR. NICHOLAS H. JACOVATOS, New York, N. Y. Filed Apr. 5, 1924. Serial No. 704,425. 19 Claims. (Cl. 225—26.)

1. In a liquid flow governor, a chamber and a valve seat, a valve turnable in said seat and having a hollow open end, means for turning said valve, an entry port

into said chamber through an opening in said valve seat, a passage way in said valve having an outlet adapted to register with said entry port as said valve is turned, means for conveying a liquid to said chamber through said passage way, an exit port from said chamber through a second opening in said valve seat, slots in the hollow end of said valve at various levels thereof and adapted to register with said exit port as said valve is turned, and means for conveying a second liquid to said hollow end of said valve when one of said slots registers with said exit port, said outlet and entry port being out of register when said exit port registers with one of said slots, and vice versa.



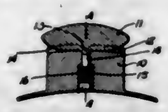
19. In a liquid flow governor, a multiplicity of chambers adapted to receive independent supplies of liquids, outlets from said chambers, and means for regulating the flow of said liquids from said chambers by controlling the hydraulic heads of said liquids and the effective areas of said outlets.

1,629,822. COLLAR BUTTON. SOLOMON KAUFMAN, New York, N. Y. Filed June 30, 1926. Serial No. 119,580. 4 Claims. (Cl. 100—5.)



1. A collar button comprising a body portion, a head revolubly connected to the body portion, and a detent adapted to releasably engage the head, to control the turning movement of said head.

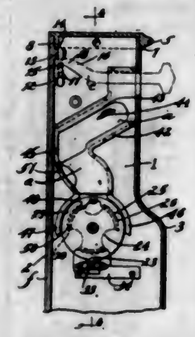
1,629,823. COLLAR BUTTON. SOLOMON KAUFMAN, New York, N. Y. Filed Sept. 4, 1926. Serial No. 133,636. 1 Claim. (Cl. 24—101.)



A collar button having a rounded base fitting the curvature of the neck, an elliptical shank joined thereto, the top of said shank being bevelled to receive a button substantially ellipsoidal in shape resting upon said shank, a series of indentations in said shank adapted to receive said button in a plurality of fixed positions and a spring connecting said shank and said button.

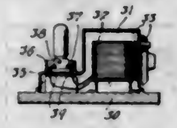
1,629,824. VENDING MACHINE. ORSON N. KELLY, Los Angeles, Calif. Filed July 2, 1925. Srial No. 41,082. 2 Claims. (Cl. 194—1.)

1. In a machine embodying a casing containing coin receiving mechanism, an entrance member to said casing, a narrow coin slot in the casing, a lock for said entrance member within the casing, a coin chute in alignment with the slot and lock, a key insertable through the



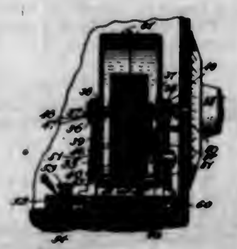
aligned slot and chute to actuate said lock, said slot and chute constituting guides for the key in its presentation to the lock.

1,629,825. RADIO APPARATUS. JOHN J. W. KENAN and WILLIAM M. CADY, Newark, N. J. Filed Mar. 28, 1925. Serial No. 19,022. 3 Claims. (Cl. 250—14.)



1. In apparatus of the character described, the combination with a plurality of electric circuit controlling devices, of a vacuous casing, a plurality of electricity conducting wires arranged within said casing and electrically connected to form a predetermined part of an electric circuit to include said circuit controlling devices, certain of said wires having their terminals sealed into and projecting from the walls of said casing in predetermined fixed positions to be connected to certain of said electrical circuit controlling devices.

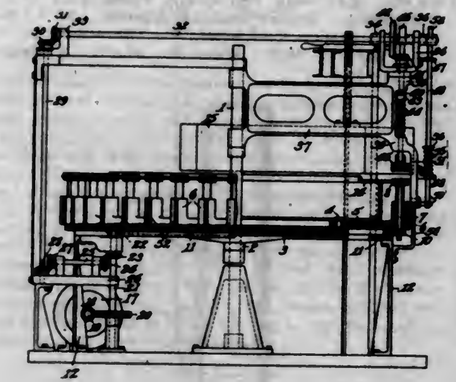
1,629,826. RADIO APPARATUS. JOHN J. W. KENAN and WILLIAM M. CADY, Newark, N. J. Filed Mar. 28, 1925. Serial No. 19,023. 5 Claims. (Cl. 175—41.5.)



1. Electrical apparatus comprising a rotatable electrical conducting element, a second electrical conducting element pendulously mounted coaxially with said rotatable member to cooperate therewith, means for rotating said first-mentioned conducting element relatively to the second-mentioned conducting element, and cooperating magnetic elements one mounted on a fixed support and the other mounted on the second-mentioned conducting element to hold said second-mentioned conducting element against oscillation.

3. An electrical condenser comprising a rotatable casing including two cup-like sections having their edges secured together and formed with alined grooves opening through said edges substantially parallel with the axis of rotation of said casing, a plurality of spaced and parallel conducting plates fixedly mounted within said grooves, a plurality of spaced and parallel conducting plates pendulously mounted within said casing co-axially therewith in alternate relation to the first-mentioned plates, means for rotating said casing, and terminals for said plates extending through said casing.

1,629,827. MACHINE FOR FINISHING PRESSED-GLASS ARTICLES. RAYMOND T. KIMBLE, Cambridge, Ohio, assignor to The Cambridge Glass Company, Cambridge, Ohio, a Corporation of Ohio. Filed Oct. 30, 1925. Serial No. 65,770. 5 Claims. (Cl. 49—7.)
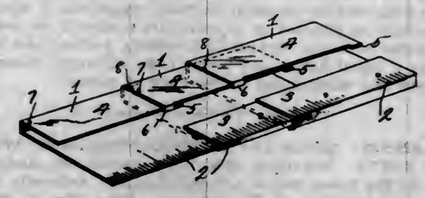


1. In a fire-finishing and polishing machine for articles of glassware, a rotary table, means for continuously rotating said table, ware supports borne by said table, a furnace for re-heating the ware during the advance travel of the latter, a re-pressing die, and automatic means for reciprocating said die into cooperative relation to the successively advancing supports for repressing the re-heated articles, and means for fire-finishing the re-pressed ware in the further travel of the table.

1,629,828. CAN. LOUIS KOLL, Peoria, Ill., assignor to Stuber & Kuck Co., Peoria, Ill., a Corporation of Illinois. Filed Apr. 11, 1925. Serial No. 22,470. 3 Claims. (Cl. 221—24.)



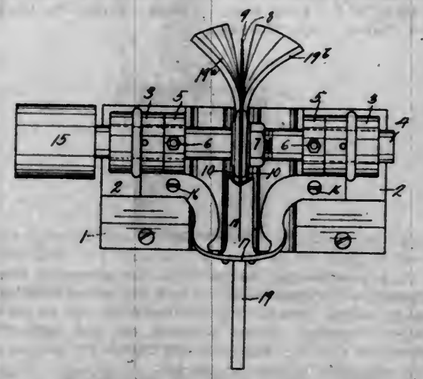
1. In combination with a receptacle for a liquid including an opening for discharge of the liquid, a separate spout or nossle invertible in position whereby to be suspended within the receptacle or to be erected upon the same, said nozzle including an annular extended flange at its base covering the opening, there being an air vent in said annular flange communicating with the interior of the receptacle through the said opening thereof, there being a depression in the outer wall of the nozzle extending longitudinally of the same substantially in line with the air vent, and means to secure the annular flange upon the receptacle.

1,629,829. EXTENSION RULE. CARL O. LINN, Salina, Kans. Filed June 9, 1925. Serial No. 35,934. 2 Claims. (Cl. 33—161.)



2. A rule comprising a plurality of longitudinally chambered sections, slidably telescoped one within the other, the chambers of each section, except the outermost, being formed in part by oppositely and inwardly-bent longitudinal flanges, the corresponding flanges of the different sections being in superposed relation, thus forming two sets of superposed flanges, one of the corresponding ends of one set being each recessed, there being adjacent the other ends of said set lugs projecting from the lateral edges of the flanges, the recess of each flange being laterally off-set with relation to those of adjacent flanges and the recessed ends being also provided with outwardly projecting lugs, each positioned to enter the recess of the adjacent superposed flange, when the sections are closed together, and with inwardly bent lugs, each adapted to abut against the lateral-edge lug of the inwardly adjacent flange when the rule is distended.

1,629,830. SHEET-RUBBER-SPLITTING MACHINE. LEON L. LYONS, Omaha, Nebr. Filed Oct. 19, 1925. Serial No. 63,421. 1 Claim. (Cl. 164—61.)



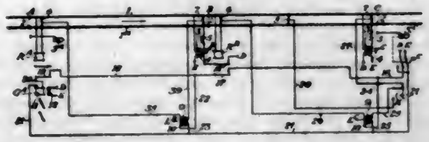
A sheet rubber splitting machine comprising a frame, upwardly extending brackets carried by said frame, an arbor rotatably mounted in bearings of said brackets, a toothed knife by said arbor, a transversely adjustable clamping member disposed beneath the knife and transversely adjustable in relation to the knife, and plates carried by said clamping member and extending upwardly at opposite sides of the knife and overlapping the knife.

1,629,831. CRANBERRY-HARVESTING APPARATUS. HORACE B. MAGLATHLIN, Kingston, Mass. Filed Nov. 8, 1923. Serial No. 675,511. 8 Claims. (Cl. 56—330.)



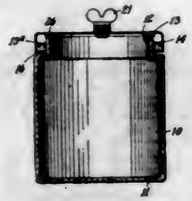
1. In a berry picking machine or the like, a pair of spaced rotatable heads, means for rotating the same, a picking element mounted thereon, comprising a channel member so disposed as to constitute a support for picked berries when the element is in picking position and having a radial flange, and picker teeth adjustably mounted upon the radial flange of the channel member.

1,629,832. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1924. Serial No. 696,344. 3 Claims. (Cl. 246—34.)



1. In combination, a forward and rear section of railway track, traffic governing means for said rear section including a polarized relay, a track relay for said rear section, a second track relay for said forward section, a pole changer; a circuit for said polarized relay including a front contact on said first track relay, a front contact on said second track relay, said pole changer, and a winding of said polarized relay, and a transformer for supplying loop current to said rear section and having its primary winding connected in parallel with said polarized relay and the front contact of said first track relay.

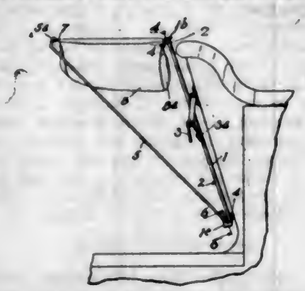
1,629,833. PRESERVER JAR. WILLIAM MENNE, Union City, N. J. Filed Aug. 11, 1926. Serial No. 128,532. 4 Claims. (Cl. 215—44.)



1. A preserve jar comprising a jar proper, a pair of diametrically opposed lugs on said jar, a cap elliptical in shape, ledges on said cap positioned on the major axis thereof, resilient fingers mounted on said ledges, and means on said lugs engaging said fingers for keeping said cap releasably in place on the jar.

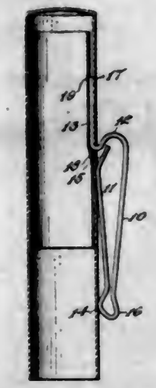
1,629,834. BABY CHAIR FOR AUTOMOBILES. MARTIN J. MILLER, Alhambra, Calif. Filed Apr. 8, 1925. Serial No. 21,459. 3 Claims. (Cl. 155—10.)

1. In a baby chair for automobiles, a pair of bars secured in spaced relation to each other, hook members secured on the normally back sides intermediate the ends of said bars, brace members pivotally connected at the normally lower ends of said bars and a flexible seat member provided with a frame at its upper edge readily and



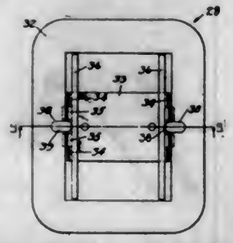
detachably connected at one side by said bars at their upper ends and at its other side pivotally connected to said braces.

1,629,835. CAP FOR FOUNTAIN PENS AND CLIP THEREFOR. ADOLPH MONTAN, Montclair, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Filed Mar. 15, 1926. Serial No. 94,653. 1 Claim. (Cl. 24—11.)



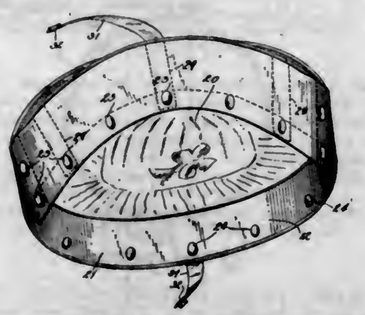
A fountain pen cap comprising a barrel with one end open and with a slit in its side, a clip passing through the slit with its exposed end bent to form a spring clasp and with its enclosed end adapted to lie against the inside of the barrel, and an open-ended sleeve of distortable metal softer than the barrel and forced into the barrel whereby the clip and the sleeve are both held in place.

1,629,836. TRANSFORMER. THOMAS J. MURPHY, Astoria, N. Y. Filed Mar. 23, 1923. Serial No. 627,055. 7 Claims. (Cl. 175—356)



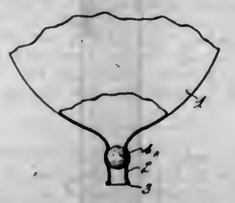
1. A shell type transformer having a laminated shell and a laminated core, the laminations of the sides of the shell having registering notches forming channels extending across the inside faces of the sides of the shell of the transformer, keys located in the channels and protruding therefrom for engaging the ends of the laminated core.

1,629,837. RECEPTACLE. EDWIN B. NATHAN, Yonkers, N. Y. Filed Nov. 23, 1922. Serial No. 602,677. 1 Claim. (Cl. 206—8.)



A receptacle of the character described comprising a pair of base members, a wall upstanding between said base members, said wall having a portion thereof cut away to provide an opening for the receptacle, said members and wall being formed of flexible, thin sheet material to permit collapsing the receptacle when not in use, a continuous relatively stiff shape-retaining structure fitted to extend along the interior side of the uncut portion of said wall for retaining said base members and wall in an effective expanded position, a closure flap permanently attached to one of said base members, spaced ribs secured to said flap serving as a shape-retaining reinforcement therefor, and means adjacent said ribs for detachably securing the flap to the wall and the other of said base members.

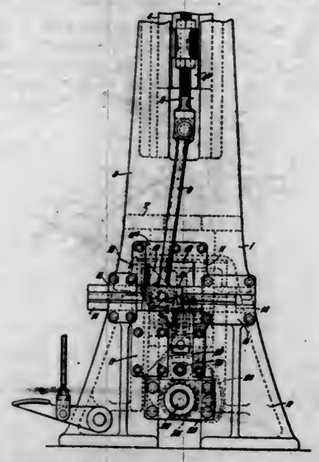
1,629,838. VALVE FOR TOY BALLOONS. MELVIN PERDUE, Shelby, Ohio. Filed May 18, 1925. Serial No. 31,033. 1 Claim. (Cl. 46—37.)



A toy balloon, comprising a body portion and a tubular neck or mouth piece both of expansible material, and a spherical shaped valve of non-resilient material and having a smooth external surface, said valve being loosely enclosed within said body portion and adapted to maintain the balloon in inflated condition by seating or lodging within and thereby closing the tubular neck or mouth piece thereof.

1,629,839. PRESS FOR DRAWING HOLLOW WARE OF SHEET METAL. CHARLES JOSEPH RHODES, Wakefield, England. Filed Feb. 20, 1926, Serial No. 89,572, and in Great Britain Feb. 24, 1925. 9 Claims. (Cl. 113—46.)

1. In a draw press, a die embodying a stationary member and a member movable relative thereto, a movable die cooperating with the stationary member of the first die to effect a drawing of work placed relative to said die, a movable carrier for the drawing member embodying a slidably mounted element, a slide movable transversely of the slidably mounted element of the drawing member carrier and normally positioned for engagement by said element to hold the drawing member carrier against movement, and a slidably mounted member operating in unison with the movable die to co-operate with



said transversely movable slide to move the same out of engagement with the slidably mounted element of the carrier to release the carrier and permit the carrier with the drawing member to participate in the movement of the movable die and recede relative to its co-operating stationary die member to effect the drawing of the work over said latter member.

1,629,840. COMBINATION MUFFLER HOLDER FOR COATS. HERMAN ROLNICK, New York, N. Y. Filed Nov. 22, 1924. Serial No. 751,488. 4 Claims. (Cl. 2—91.)

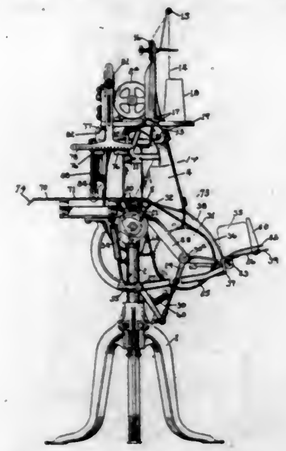


1. In combination, a coat and a muffler-guard flap stitched along one hinging edge only to the coat at the rear of the neck opening; means forming a slipway across the face of said flap and movable with said flap into each of two positions by swinging said flap on said hinging edge.

1,629,841. AUTOMATIC BUNDLE TIER. ALBERT H. SAXTON, Blissfield, Mich., assignor to National Bundle Tyer Company, Blissfield, Mich., a Corporation of Michigan. Filed July 18, 1924. Serial No. 726,708. 8 Claims. (Cl. 100—31.)

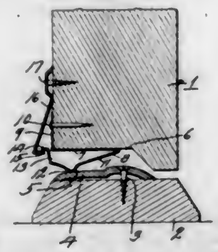
1. In a bundle tier machine, an actuating means, a wrapping and tying mechanism, a bundle moving mechanism, for moving a bundle to bundle tying and wrapping position, an arm operated by the weight of a bundle for connecting the actuating mechanism with the bundle

moving mechanism and means operated by the bundle moving mechanism for connecting the wrapping and tying mechanism with the actuating means when the bundle has substantially reached the bundle tying and wrapping position.



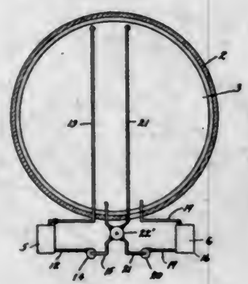
8. In a bundle cord wrapping and tying machine, an actuating means, a wrapping and tying mechanism, means for pressing the bundle substantially along the line of the cord for being wrapped and tied, means for shifting the bundle into wrapping position, means operated by the weight of the bundle for connecting the means for shifting the bundle with the actuating means, and means operated by the bundle shifting means for connecting the wrapping and tying mechanism and the bundle pressing means with the actuating means.

1,629,842. WEATHER STRIP. AUGUST C. SCHNAKE, Centralia, Ill. Filed May 5, 1925. Serial No. 28,116. 1 Claim. (Cl. 20—69.)



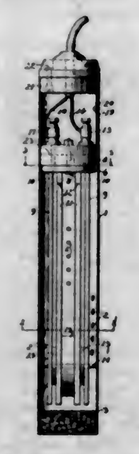
The combination with a door, a sill plate disposed beneath said door, of a weatherstrip, said weatherstrip comprising a member disposed in the channel of the door, said member at its inner end terminating in a downwardly, outwardly and upwardly extending flange, a downwardly struck longitudinally disposed bead carried by said flange within the door channel and frictionally engaging the sill plate, the outer end of the downwardly, outwardly and upwardly extending flange terminating in a vertically disposed flange to one side of the door adjacent the door channel, a horizontally disposed flange carried by the vertically disposed flange and extending outwardly, a member secured to the side of the door and inclining downwardly and outwardly, said last named member terminating in an inwardly extending horizontally disposed flange underlying the first mentioned horizontally disposed flange, and forming means for limiting the downward movement of the horizontally disposed flange when the door is in open position.

1,629,843. AIRCRAFT. JESSE W. SILVER, Tacoma, Wash. Filed Dec. 8, 1924. Serial No. 754,537. 1 Claim. (Cl. 244—3.)



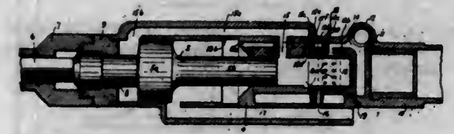
In an airship, or the like, comprising a flexible gas container, a heating device and a cooling device, each having a top and bottom connection with the container, a valve mechanism operable to control the circulation through the connections of both the cooling and heating devices, and means for forcing a circulation of gas from and back into the container through the connections of either of said devices.

1,629,844. WATER HEATER. FRANK SOTO, Sunnyvale, Calif. Filed June 12, 1926. Serial No. 115,568. 1 Claim. (Cl. 219—41.)



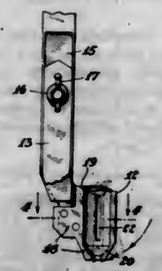
An article of manufacture comprising a tubular element provided with means to permit the flow of water therethrough, an insulating closure for one end thereof, spaced conducting plates mounted on said closure and extending into said tube, insulating means inserted between the ends of said plates remote from said closure to space the same and engaging the wall of said tube, and lying in parallel relation to said plates, a pin passing through said plates and insulating means and engaging the wall of said tube, means for connecting said plates in an electrical circuit, and an insulated cap mounted on said tube over said closure.

1,629,845. PNEUMATIC PERCUSSIVE TOOL. EDWARD W. STEVENS, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed May 23, 1925. Serial No. 32,250. 11 Claims. (Cl. 121—18.)



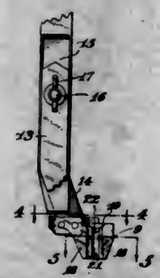
1. In a fluid pressure tool, a cylinder having a differential piston chamber, a piston reciprocable therein providing two pressure areas for driving it in one direction and a single pressure area for returning it, ports and passages controlled by said piston for admitting motive fluid to two of said areas, and a sleeve valve defining a portion of said piston chamber and moving in timed relation with said piston for controlling the admission of motive fluid to the other pressure area of the piston.

1,629,846. RIVETING-MACHINE POCKET. EDWIN B. STIMPSON and HENRY V. RAU, Brooklyn, N. Y., assignors to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Apr. 2, 1926. Serial No. 99,207. 2 Claims. (Cl. 218—3.)



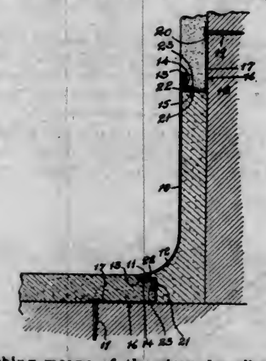
1. A pocket of the kind described comprising matching spring-pressed members formed to define between them a rivet-passage having a surrounding rivet-head ledge at its upper end and a contracting throat at its lower end, and with an open slot of such width extending the full length of the pocket as to permit the unrestricted entrance laterally into the pocket of rivet shanks whose lengths may be greater than the length of the pocket.

1,629,847. RIVETING MACHINE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Nov. 8, 1926. Serial No. 146,934. 1 Claim. (Cl. 1—3.)



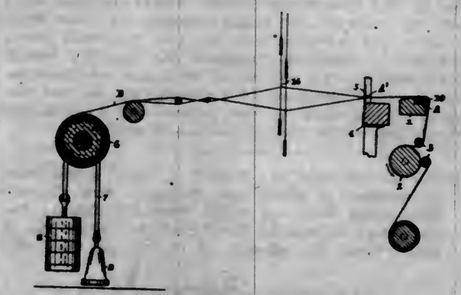
A pocket of the kind described comprising matching spring-pressed members formed to define between them a rivet-passage oblong in cross-section having a surrounding rivet-head ledge at its upper end and an outwardly flaring opening into the side of the passage, the passage providing end-walls for contact with the ends of an oblong rivet-head and side-walls for contact with the side-walls of the rivet head, said side-walls, below the ledge being grooved all the way to the lower end of the passage.

1,629,848. ATTACHING MEANS FOR BUILDING TRIMS. WINGATE S. THOMAS, Chicago, Ill., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1926. Serial No. 129,160. 9 Claims. (Cl. 189—89.)



1. In attaching means of the class described, the combination of a trim having a channel formed in its attaching portion and an inwardly turned flange along the margin of said channel, a clip having a portion thereof entered into said channel, and a portion thereof formed to engage the inwardly turned flange, and means for attaching the clip, substantially as described.

1,629,849. LOOM. JOHN S. TODD, Hawley, Pa. Filed Oct. 2, 1926. Serial No. 139,026. 1 Claim. (Cl. 139—291.)

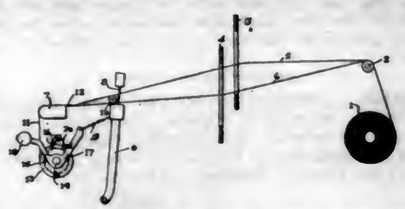


In combination, a fixed supporting structure including a breast-beam, a roller contiguous to and parallel with the breast-beam, let-off means back of the roller, take-up means beneath the roller, the sheet of warp and woven fabric being adapted to extend forward from the let-off means, around the roller and down to the take-up means, and elastic means yieldingly supporting the roller on said structure against the pressure of said sheet when the latter is tautened.

1,629,850. APPARATUS FOR WEAVING ASBESTOS CLOTH. EDWARD J. TRAINOR, Cohoes, N. Y., assignor to Asbestos Spinning and Weaving Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1922. Serial No. 593,684. 1 Claim. (Cl. 139—309.)

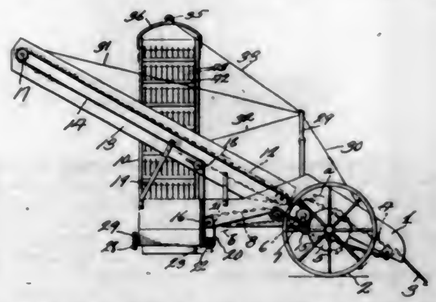
In a loom of the character described, a fabric take-up comprising a fabric roll, a ratchet secured to said fabric roll, a pawl engaging said ratchet whereby to prevent ro-

tation of said fabric roll under tension of the fabric, a bell-crank connected to and oscillatable about said fabric roll and provided with a weight at one end thereof, a lay,



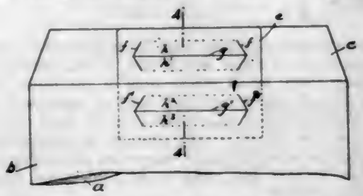
a flexible connection between said lay and the other end of said bell-crank and a pawl secured to said bell-crank and engaging said ratchet to rotate the latter and said fabric roll forwardly upon the lowering of said weight.

1,629,851. POTATO ELEVATOR AND WEED CARRIER. THOMAS TUCHEK, Hemingford, Nebr. Filed Apr. 1, 1924. Serial No. 703,543. 2 Claims. (Cl. 55—51.)



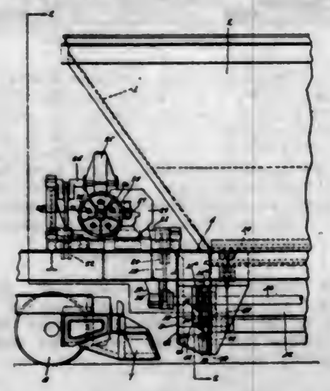
1. A potato digging machine comprising a potato conveyor, an upwardly and rearwardly extending weed and vine conveyor in the plane of the potato conveyor, a rearwardly and downwardly inclined potato conveyor below the vine conveyor and potato conveyor, and onto which potatoes are deposited from the first mentioned potato conveyor, a transversely disposed and upwardly extending potato conveyor onto which the second mentioned potato conveyor discharges, said transversely disposed conveyor forming means whereby potatoes will be discharged to one side of the digging machine as a whole.

1,629,852. ENVELOPE. HOWARD A. WOLF, Elkins Park, Pa., assignor to Edwin Wolf, Benjamin Wolf, Clarence Wolf, Louis Wolf, and Albert Wolf, Philadelphia, Pa., Copartners trading as Wolf Brothers. Filed Jan. 2, 1924. Serial No. 683,901. 1 Claim. (Cl. 229—68.)



An envelope comprising front and back walls, a closing flap formed by an extension of the front wall and tabs formed in the flap by pairs of slits extending in an angular relation and a horizontal slit extending between the apices of the angles formed by said first mentioned pairs of slits, tabs formed in the front and back walls by aligning pairs of slits extending in an angular relation, and a horizontal slit extending between the apices of the angles formed by said pairs of slits, said tabs in the flap and walls of the envelope being adapted to overlie one another when said flap is in closing position and to be folded upwardly and downwardly against one of said walls to provide a three ply bearing surface for the fingers and secure said flap in closing position, respectively.

1,629,853. DUMP CAR. SAMSON D. WRIGHT, Cleveland Heights, Ohio. Filed Oct. 5, 1922. Serial No. 592,616. 15 Claims. (Cl. 105—250.)



1. A dump car comprising a hopper body, doors for closing the bottom opening of said hopper, rollers connected to said doors, horizontally extending tracks for said rollers, means for operating said doors, and automatically movable means free of connection to said doors for preventing deposit of the contents of the car upon said tracks at all times.

1,629,854. ARTIFICIAL MARBLE. HENRY L. BATES, Greenfield, Mass. Filed Sept. 4, 1926. Serial No. 133,730. 5 Claims. (Cl. 106—24.)

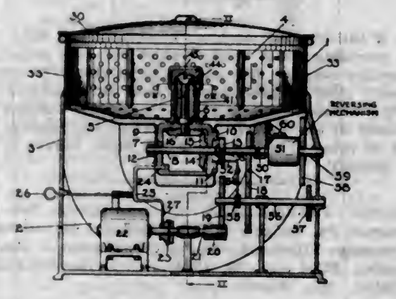
5. A composition of matter for forming artificial marble, brick, tiling, or the like comprising a magnesite substance, asbestos, an alum hardening substance, slaked lime, casein, powdered salt peter, a glue binding material, water and sand to form a pasty mass of a consistency suitable for molding purposes.

1,629,855. STRING-TUNING DEVICE. JOHN BERNARDINI, Cincinnati, Ohio. Filed Apr. 3, 1925. Serial No. 20,506. 1 Claim. (Cl. 84—304.)



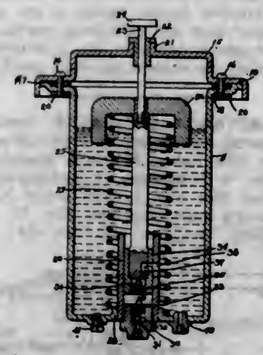
In a stringed instrument a string tensioning device therefor, consisting of a relatively stationary plate, a series of internally screw threaded nuts rotatively mounted in the plate and arranged for manual rotation, a string attaching externally screw threaded non-revolvable thimble mounted in each of the nuts and a second plate attached to the first mentioned plate for cooperation with non-revolvable thimbles when the unts are rotated whereby longitudinal reciprocation of the thimbles is secured.

1,629,856. WASHING AND DRYING MACHINE. SOLON J. BOUGHTON, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 21, 1920. Serial No. 418,570. 11 Claims. (Cl. 68—18.)



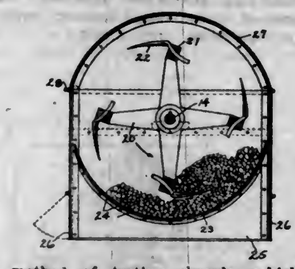
1. In a combined centrifugal wringer and cylinder washer, a cylinder formed of two parts, and a pair of axially aligned pivotal mountings, one on each part, said parts being disconnectible, whereby one only may be utilized for wringing.

1,629,857. PUMPING MECHANISM. CHESTER H. BRASELTON, New York, and FRED B. MACLAREN, Malba, N. Y.; said MacLaren assignor to said Braselton. Filed Feb. 20, 1922, Serial No. 537,681. Renewed Oct. 30, 1926. 8 Claims. (Cl. 103—28.)



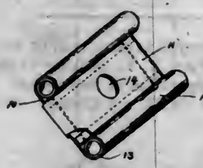
1. The combination of a vibratory receiving tank; a pump adapted to pump liquid into said receiving tank as the latter is vibrated; a weight for aiding the pumping operation of the pump; and means whereby the amount of liquid pumped by a certain definite pumping movement of the moving parts of the pump is reduced as the liquid in the receiving tank reaches a level to exert a buoying force upwardly upon the weight.

1,629,858. METHOD AND APPARATUS FOR TESTING SHOVELS. JOSEPH WALTER BROWNING, Piqua, Ohio, assignor to The Wood Shovel and Tool Company, Piqua, Ohio, a Corporation of Ohio. Filed Oct. 7, 1921. Serial No. 506,182. 9 Claims. (Cl. 70—51)



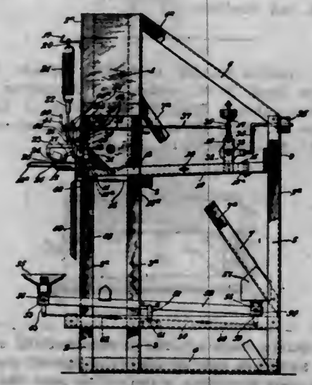
1. The method of testing shovels, which comprises causing the shovels to dig repeatedly through a quantity of material by force applied substantially as force is applied to a shovel in normal use, while recording the energy used in forcing the shovel through the material.

1,629,859. LOCK HOLDER. LOT F. BURKE, Schenectady, N. Y. Filed Mar. 2, 1926. Serial No. 91,823. 6 Claims. (Cl. 224—30.)



1. A holder for locks of the removable shackle type having a main portion, and upturned portions formed on the sides of said main portion adapted to receive the shackle of the lock, whereby the same can be locked in said holder.

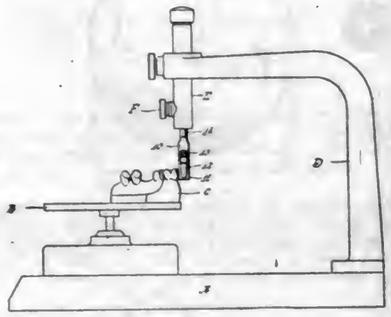
1,629,860. BAG-FILLING MACHINE. EDWARD L. BUSHMAN, East Orange, N. J.; KENNETH L. CURTIS, New York, N. Y.; and JOSHUA WARD, Elizabeth, N. J., assignors, by direct and mesne assignments, to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 7, 1925. Serial No. 28,551. 6 Claims. (Cl. 249—60.)



1. In a valve bag filling machine the combination of a spring supported substantially horizontal valve bag filling spout adapted to extend into a bag, a discharge

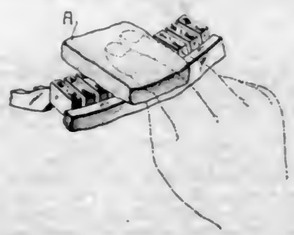
throat in register with said filling spout, and a scale provided with a bag supporting portion, said spout and scale jointly providing means for supporting a bag while it is being filled.

1,629,861. DENTAL MARKING DEVICE. JOHN M. CRAIGO, Hartford, Conn. Filed Jan. 21, 1927. Serial No. 162,610. 4 Claims. (Cl. 32—5.)
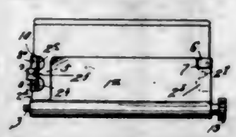


1. A marking device for surveying teeth including a thin blade, and a marking fabric attached thereto.

1,629,862. TYPE-CLEANING COMPOUND. EBERHARD L. FABER, New York, N. Y., assignor to Eberhard Faber Rubber Co., a Corporation of New Jersey. Filed May 8, 1925. Serial No. 28,831. 5 Claims. (Cl. 87—5.)



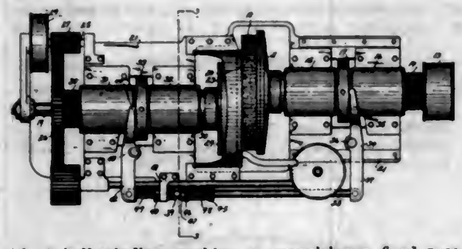
1. A composition of matter for cleaning type, consisting of a base of powdered inert mineral substance, plastic rubber, factice, a heavy mineral filler, a slightly volatile mineral oil, and emollient.

1,629,863. RAZOR-BLADE HOLDER. HENRY J. GAISMAN, New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del., a Corporation of Delaware. Filed Nov. 11, 1922. Serial No. 600,233. Renewed Sept. 18, 1926. 10 Claims. (Cl. 30—12.)



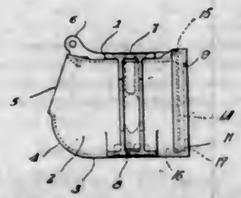
1. In a safety razor a blade of substantially rectangular shape having a cutting edge and spaced recesses at one of its ends providing a projection near the heel of the blade, and a projection spaced therefrom between said recesses, the first named projection being longer than the second named projection.

1,629,864. BALL-GRINDING MACHINE. WALTER B. GARDINER, Hartford, Conn. Filed Nov. 26, 1923. Serial No. 676,955. 5 Claims. (Cl. 51—130.)



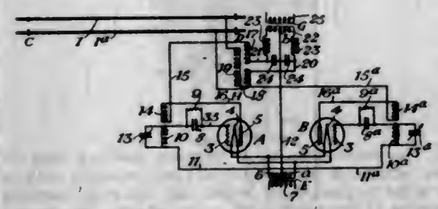
1. A ball-grinding machine, a comprising a fixed raceway providing a slot through which the balls project, an adjustable abrasive disk and an adjustable drive-ring on opposite sides of said raceway, and an equalizing connection between said disk and said ring, whereby adjustment of one toward the other and the raceway will tend to cause a movement of the other toward it and the raceway.

1,629,865. JOURNAL BOX. CHARLES GIBSON, New Kensington, Pa., assignor to Union Spring & Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 22, 1924. Serial No. 687,722. 1 Claim. (Cl. 308—39.)



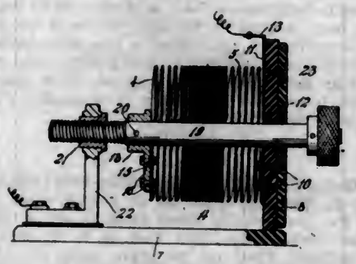
A journal box structure comprising a metal body having integral portions thereof forming a side wall of a dust guard pocket, and a separable metal plate cooperating with the said portions of the body to complete the said pocket, the body having spaced integral lugs for positioning the lower part of the plate therebetween, and the plate having integral lateral hooks at its upper edge adapted to extend over and detachably engage a portion of the body, whereby to hold the plate in cooperative position for completing the walls of the dust guard pocket.

1,629,866. ELECTRICAL APPARATUS. LARS O. GRONDAHL, Pittsburgh, and HARRY M. RYDER, Bradford, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Nov. 3, 1923, Serial No. 672,642. Divided and this application filed Nov. 10, 1926. Serial No. 147,528. 1 Claim. (Cl. 246—34.)



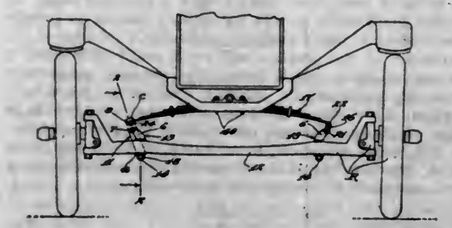
In combination, a stretch of railway track, and means for at times supplying the rails of the stretch with alternate impulses of alternating currents of different frequencies.

1,629,867. ELECTRICAL CONDENSER. HENRY F. HERMAN, Chappaqua, N. Y., assignor to Straitline Radio Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 26, 1925. Serial No. 18,472. 4 Claims. (Cl. 175—41.5.)



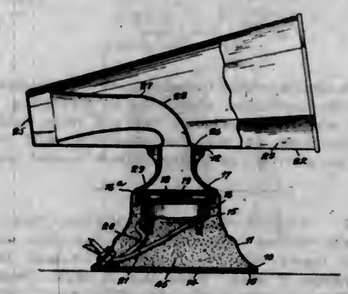
1. In an electric condenser, a spiral plate electrode having the convolutions spaced equidistant form each other and perpendicular to the axis of the spiral with an opening axially therethrough and arranged to be supported and connected in an electric circuit at one end and with the marginal portions of the convolutions of the plate having no physical connection with each other.

1,629,868. SPRING SUSPENSION FOR VEHICLES. WILLIAM HESSLINK, Ashland, Mass., assignor to Leroy F. Fuller, Springfield, Mass. Filed Aug. 2, 1926. Serial No. 126,421. 7 Claims. (Cl. 267—54.)



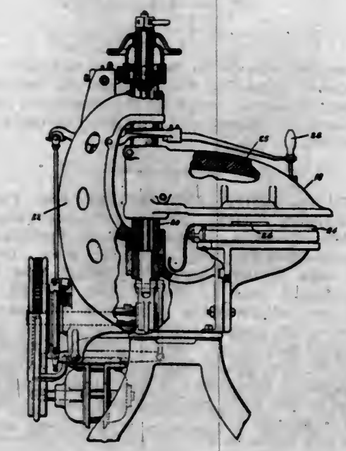
1. A spring suspension for a vehicle having in combination with an axle, a spring extending transversely of the body of the vehicle, a shackle having one end secured to one end of the spring and a perch having a bolt portion which rigidly secures the other end of the said shackle to the axle, the other end of the spring having a loose connection with the axle.

1,629,869. SOUND RECEIVER AND TRANSMITTER. FREDERICK W. HOCHSTETTER, Dayton, Ohio, and WALTER W. THORPE, New York, N. Y. Filed Mar. 26, 1923. Serial No. 627,760. 3 Claims. (Cl. 181—27.)



1. In a sound receiver and transmitter, the combination with a base having an outlet for supporting an amplifying horn, of a casing in the base, carrying a resonating diaphragm, and sound muffling material in the base with said casing embedded therein.

1,629,870. PRESS. PATRICK J. HORGAN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 6, 1924. Serial No. 730,461. 5 Claims. (Cl. 164—19.)



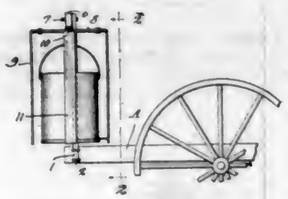
3. A presser member for clicking machines composed of an aluminum alloy having a high aluminum content.

1,629,871. SANITARY BOTTLE CARRIER FOR MILK BOTTLES. CHARLES W. HORNADAY, Sidney, Nebr. Filed Mar. 20, 1926. Serial No. 96,225. 10 Claims. (Cl. 215—100.)



1. A sanitary bottle carrier comprising a cage conforming to the configuration of a bottle and open at the bottom to permit it to be placed over the bottle and provided at the top with resilient bottle clamping portions for engaging and supporting the bottle while the latter is being carried and extending upwardly above the bottle to provide a handle.

1,629,872. PLANT-DUSTING ATTACHMENT. GEORGE HUEBNER, La Grange, Tex. Filed Jan. 19, 1927. Serial No. 162,108. 5 Claims. (Cl. 43—145.)

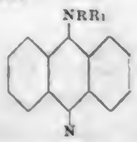


1. A dusting attachment for vehicles including a cross beam, spaced depending fingers supported thereby, and a pendant container supported for oscillation between and against the fingers, said container having an apertured bottom.

1,629,873. ACRIDINE DERIVATIVES AND PROCESS OF MAKING SAME. HEINRICH JENSCH, Hochst-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Sept. 3, 1921, Serial No. 498,440, and in Germany July 8, 1919. 5 Claims. (Cl. 260—36.)

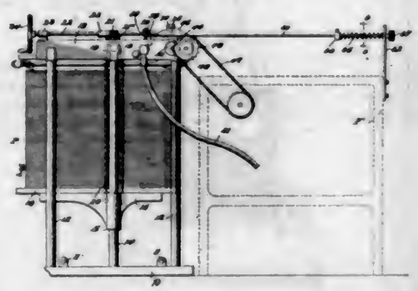
1. Process of preparing derivatives of meso-amino-acridines which comprises treating at elevated temperatures with a body of the formula $NHRR_1$, in which R and R_1 stand for hydrogen or aliphatic residues or both, acridines having a substituent in the 9-position thereof replaceable by the NRR_1 residue of said body, in the presence of a solvent.

3. As new products, the derivatives of 9-amino acridine of the general formula:



in which R and R_1 stand for hydrogen or aliphatic residues or both.

1,629,874. AUTOMATIC PILE-ELEVATING MECHANISM FOR SHEET FEEDERS. WILLIAM M. KELLY, Westfield, N. J. Filed Dec. 27, 1922, Serial No. 609,320. Renewed Nov. 18, 1926. 7 Claims. (Cl. 271—62.)



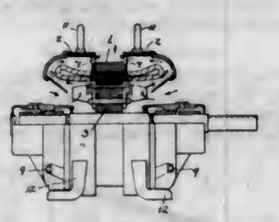
1. In a device of the character described, in combination, a vertically adjustable table adapted to support a pile of sheets, a shaft rotatably supported above said table, means whereby rotation of said shaft raises or lowers said table, a sheet feeding shaft in front of said first shaft and having sheet feeding means thereon, a third shaft extending at right angles to the other shafts, means rotatively connecting the first and third shafts, a member mounted for turning movement on said third shaft and adjacent said second shaft, a one-way motion transmitting device connecting said member and third shaft, means on said second shaft to oscillate said member, a rock shaft parallel with said third shaft and carrying a feeler adapted to rest on the top of the pile of sheets supported by said table, a releasable latch normally holding said member in one position, and means operated by turning said rock shaft to release said latch when the feeler falls and return it to normal position when the feeler is raised.

1,629,875. PIGTAIL CONNECTION FOR BRUSHES. JOHN F. KEELIN and HENRY J. ROSENHOFFER, Bradford, Pa., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 20, 1921. Serial No. 462,945. 10 Claims. (Cl. 171—326.)



1. The method of connecting a conductor securely and in intimate conductive contact with a frangible brush of limited malleability having an opening therein to receive the conductor, which consists in placing a portion of the conductor in the opening and permanently deforming a portion of the brush material into compact engagement with the conductor, by applying compressive force to a portion of the brush material of limited area which is situated to be sustained on all sides by other material of the brush not directly subjected to the compressive force, whereby fracture or crumbling of the brush during such operation of compression is avoided.

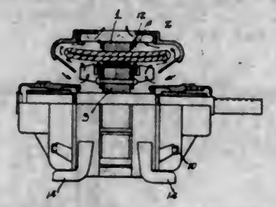
1,629,876. END FRAME RING FOR MOTORS. JAMES F. LINCOLN, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 26, 1924. Serial No. 709,117. 4 Claims. (Cl. 171—252.)



1. In a dynamo-electric machine, the combination with the annular laminated stator; of a supporting frame therefor, said frame including two end rings, each ring being made from an elongated structural steel member formed into a circle and having its ends welded together.

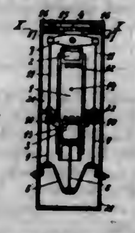
1,629,877. FRAME FOR DYNAMO-ELECTRIC MACHINES. JAMES F. LINCOLN, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 3, 1924. Serial No. 710,840. 4 Claims. (Cl. 171—252.)

1. In a dynamo electric machine, the combination with the annular laminated stator; of a supporting frame therefor, said frame including two end-rings, each made from an elongated structural steel member formed into a circle and having its ends welded together, and cross-tie



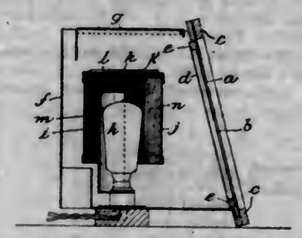
bars welded at their ends to said rings, respectively, said stator being secured to the inner faces of said cross-tie bars.

1,629,878. SCAVENGING PUMP OF INTERNAL-COMBUSTION ENGINE. OTTO MADER, Dessau, Germany, assignor to Hugo Junkers, Dessau, Germany. Filed Oct. 29, 1921, Serial No. 511,400, and in Germany Nov. 8, 1920. 12 Claims. (Cl. 123—51.)



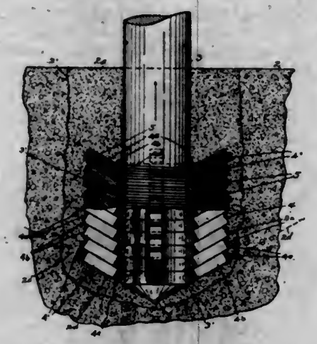
9. In an internal combustion engine in combination, a crank case, a working cylinder, two working pistons in said cylinder adapted to move in opposite directions, a crank shaft and a connecting rod connecting said shaft with one of said pistons, a single acting scavenging air pump piston of larger diameter connected with said second piston, a cross-head beam arranged close to the rear face of said pump piston, a pair of connecting rods connecting said shaft with said beam, and a closed scavenging air pump cylinder surrounding said pump piston, an inlet and an outlet valve in one half of said pump cylinder and communication between said outlet valve and the inlet of said working cylinder through the other half of said pump cylinder and said crank case and a partition intermediate that part of said pump cylinder which is connected to the inlet of said working cylinder and said crank case offering passages for said pair of connecting rods.

1,629,879. PICTURE. HORATIO MATTHEWS, Ealing, London, England. Filed July 30, 1926, Serial No. 126,067, and in Great Britain Dec. 10, 1925. 2 Claims. (Cl. 40—40.)



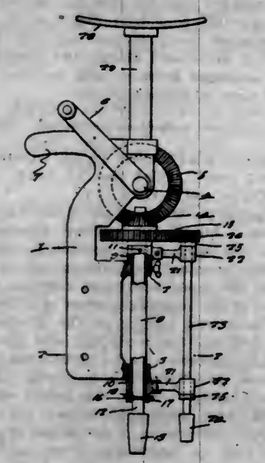
1. The combination with a picture intended to be viewed by transmitted light, of a coloured translucent stencil sheet applied to the back of the picture over those parts that are not to be intensively illuminated, a light diffusing screen located a short distance from the back of the picture, a source of light and a multicoloured rotating screen surrounding the source of light.

1,629,880. MEANS FOR ANCHORING BOLTS. RICHARD A. MIRZAN, Syracuse, N. Y. Filed Mar. 6, 1926. Serial No. 92,822. 10 Claims. (Cl. 72—105.)



3. An anchor unit comprising a plurality of arms that radiate from a ringlike body portion, the latter being threaded for interlocking the unit to a bolt, said arms being correspondingly inclined upwardly relatively to the axis of the bolt, and corresponding parts of the bolt and said unit adapted to be embedded in concrete.

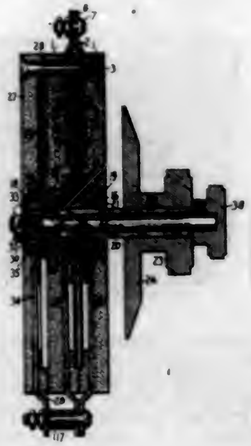
1,629,881. DRILL. WILLIAM R. PENSON, Sulphur Springs, Tex., assignor of one-half to John M. Foster, Kemp, Tex. Filed Sept. 11, 1924. Serial No. 737,109. 1 Claim. (Cl. 77—7.)



In a drill of the type in which a plurality of drills are operated by a single actuator, and in combination, a frame having apertured lateral projections spaced apart at one side of the frame and also having an end extension and a lateral handle and a breast plate on said extension, a sleeve disposed and supported in said apertured projections, collars fixed on said sleeve and disposed at opposite sides of said lateral projections, said collars provided with sockets, and arms detachably secured in said

sockets and having coincident journal bearings, a tool carried in each of said sleeves and said journal bearings, respectively, and means on said frame adapted to operate said tools.

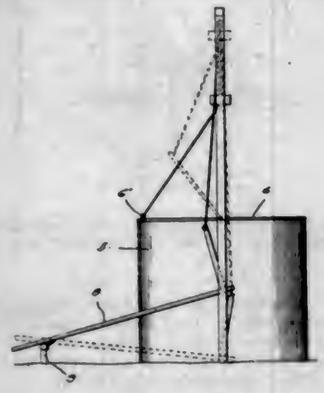
1,629,882. CONDENSER. WILLIAM H. PETIT, Dayton, Ohio, assignor to The Miami Radio Corporation Company, Dayton, Ohio, a Corporation of Ohio. Filed May 26, 1922. Serial No. 563,976. 7 Claims. (Cl. 175—41.5.)



1. In a condenser, a casing comprising two sections of insulating material rigidly connected one to the other and arranged to form a chamber between them, two condenser plates molded into the respective sections of said casing, and arranged side by side but spaced one from the other, a movable condenser plate mounted in said chamber for rotatory movement into and out of the space between the first mentioned plates, and sheets of dielectric material arranged between said movable plate and the respective first mentioned plates.

1,629,883. STOCK-WATERING TANK. FLOYD E. PIERSON, Oakland, Iowa. Filed Dec. 16, 1925. Serial No. 75,792. 1 Claim. (Cl. 119—76.)

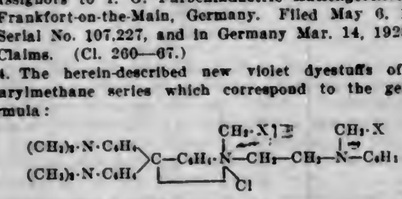
In a stock watering device of the class described, a receptacle having a hinged lid, vertical standards on opposite sides of the tank, a bar extending across the upper ends of the standard, a platform pivoted adjacent its outer end, the inner end being cut out to conform to the contour of the receptacle, arms extending upwardly from the inner end portion of the pivoted platform and disposed between the receptacle and the respective standards, cables connected to the upper ends of the arms of said platform and extending upwardly adjacent the standards, pulleys secured to the upper ends of the standards and over which the cables are trained, a weighted bar, the other ends of the cables being attached to said bar, and an additional cable connecting the weighted bar with the hinged lid, said weighted bar and said last mentioned cable cooperating to return the lid



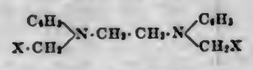
to a closed position and simultaneously raise the inner end of the platform when pressure is relieved from the pivoted platform.

1,629,884. TRIARYL-METHANE DYES FROM TETRA-ALKYL-DIAMINO-BENZOPHENONE AND ARYL-ATED-ETHYLENE-DIAMINES. HEINRICH POLIKIER, Leipzig, and HERBERT HÄHLE, Dessau-Ziebigk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed May 6, 1926, Serial No. 107,227, and in Germany Mar. 14, 1925. 5 Claims. (Cl. 260—67.)

4. The herein-described new violet dyestuffs of the triarylmethane series which correspond to the general formula:



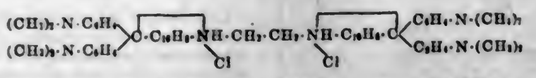
(X representing hydrogen, alkyl or phenyl), and which are substantially identical with the dyestuffs manufactured by condensing equal molecular proportions of tetramethyl-4.4'-diaminobenzophenone with a diphenylethylenediamine corresponding to the general formula:



(X representing hydrogen, alkyl or phenyl.)

1,629,885. TRIARYL-METHANE DYESTUFFS FROM TETRAALKYL-DIAMINO-BENZOPHENONES AND DI-1-NAPHTHYL-ETHYLENE-DIAMINE. HEINRICH POLIKIER, Leipzig, and HERBERT HÄHLE, Dessau-Ziebigk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed May 6, 1926, Serial No. 107,228, and in Germany Apr. 9, 1925. 2 Claims. (Cl. 260—67.)

2. The herein-described blue violet dyestuff of the triarylmethane series which corresponds to the general formula:

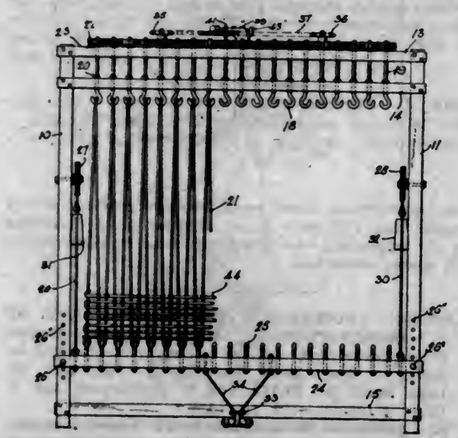


and which is substantially identical with the dyestuff manufactured by the reaction between di-1-naphthyl-ethylenediamine and tetramethyl-4.4'-diaminobenzophenone used in the proportion of 1 molecule of the former to two molecules of the latter.

1,629,886. RUG-WEAVING MACHINE. JOSEPH F. PTACEK, Milwaukee, Wis. Filed May 20, 1926. Serial No. 110,371. 3 Claims. (Cl. 139—18.)

1. In a rug weaving loom, a frame composed of two uprights connected at their upper ends by parallel cross

beams each provided with a row of aligned holes, vertical shafts journaled for rotation one in a hole in each of said beams, the said shafts being provided each with a warp engaging hook at its lower end and with a pinion at its upper end, the pinions on the several shafts intermeshing, certain of said shafts being provided with sprockets, a



chain passing about the sprockets, a pivoted hand lever connected to one run of the chain, so that by vibration of the hand lever, the hooks are rotated in unison but alternate hooks in opposite directions to form the sheds, a lower cross bar provided with warp engaging hooks, and stops limiting the vibration of the hand lever to define the sheds.

1,629,887. PLUNGER FOR PRESSURE GAUGES OR SIMILAR ARTICLES. PHILIP E. PULVERMAN, Charleston, W. Va., assignor to The Visometer Corporation, New York, N. Y., a Corporation. Filed Aug. 2, 1920. Serial No. 400,752. 12 Claims. (Cl. 73—111.)



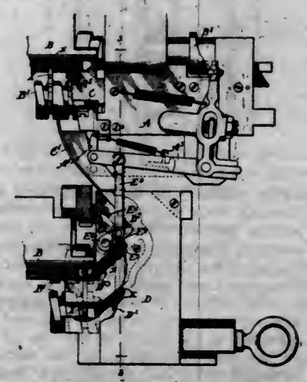
1. A pressure gauge plunger, comprising a cylindrical body portion, a split sleeve surrounding the body portion, and cooperative means carried by the sleeve and plunger for preventing relative movement of the parts.

1,629,888. WASHBOILER RACK. GILBERT QUAALE, Weldon, Saskatchewan, Canada. Filed Apr. 28, 1925. Serial No. 26,461. 1 Claim. (Cl. 68—30.)



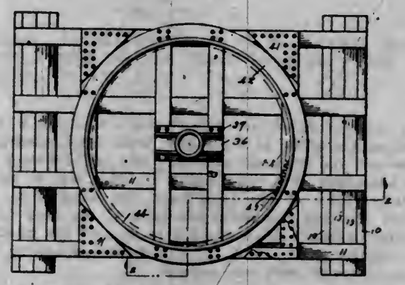
A drain rack comprising a basket formed of wire and including a reinforcing frame member extending entirely around the body of the basket above the bottom wall thereof, a pair of vertically disposed handle members located within and at opposite ends of the basket and having their lower extremities pivoted to the bottom wall of the basket and outwardly directed hook members carried by said handle members including horizontal portions passing above said reinforcing frame member and terminating in downward projections engageable with the outer side of said reinforcing frame member to limit inward swinging movement of the handle members, said hook members affording means for suspending the rack from the upper edge of a boiler or other receptacle in which the rack is used.

1,629,889. TYPOGRAPHICAL DISTRIBUTING MECHANISM. JOHN R. ROGERS, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 18, 1926. Serial No. 136,233. 14 Claims. (Cl. 199—41.)



1. In a typographical distributing mechanism comprising a distributor bar and a set of matrix conveying screws, the combination of an inclined guide means along which the matrices gravitate toward the screws, and an escapement device arranged to cooperate with the upper ends of the matrices, said device comprising a yieldable member for arresting the descending matrices, and means operated independently of said member for depressing the arrested members out of engagement therewith in effecting their escape, one at a time, into position to be picked up by the screws.

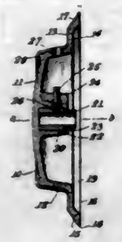
1,629,890. FRAME CONSTRUCTION FOR EXCAVATOR TRUCKS. GEORGE T. RONK, Fairfield, Iowa. Filed July 27, 1925. Serial No. 46,391. 1 Claim. (Cl. 180—9.1.)



A frame for excavator trucks comprising a pair of tread supporting members spaced apart and parallel with each other, each of said tread supporting members comprising a pair of parallel channel irons spaced apart with webs supported in vertical planes, the inner face of said channels being provided with an angle iron, a series of H-beams mounted transversely on top of said channel, means for rigidly securing the lower flanges of said H-beams to the upper flanges of said channels and said angles, a series of I-beams mounted on top of said H-beams and having their lower flanges riveted to the upper

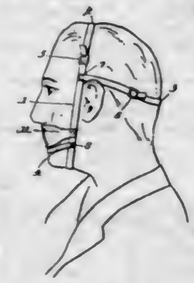
flanges of said H-beams, the ends of said I-beams being connected with channels to form a square frame located centrally above the said H-beams, the corners of the upper surface of said I-beams and the last said channels being connected with gusset plates, an annular frame on top of said square frame, and means for securing said annular frame to said square frame.

1,629,891. RADIODIAL. LOUIS E. SHAW, East Orange, N. J. Filed Apr. 30, 1925. Serial No. 26,931. 2 Claims. (Cl. 74—33.)



1. A one-piece molded dial knob comprising a substantially flat circular plate forming a flange portion, a hollow knob portion positioned centrally of the plate having its edges merging integrally into the plate, said hollow knob portion providing therein a clear annular space for accommodating contained mechanisms, said knob and said plate being substantially of uniform thickness, a bevel faced dial rim outlining said flange portion, and said knob having a diameter in the plane of the top of the plate greater than the maximum radius of the plate and rim, said rim having a thickness greater than the thickness of the flange to provide a strengthened peripheral edge to the flange.

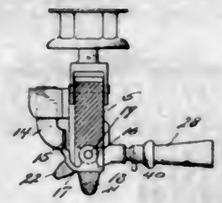
1,629,892. ANTI-MOUTH-BREATHING DEVICE. ROY BASIL STORMS, Indianapolis, Ind. Filed June 22, 1925. Serial No. 38,847. 6 Claims. (Cl. 128—136.)



1. An anti-mouthbreathing device comprising a head-harness including an adjustable main band adapted to pass over the head and under the chin of the wearer, and an adjustable back band having its ends fast to the respective sides of the main band and adapted to pass above the ears and about the back of the head of the wearer, a mouth piece adapted to fit over the mouth of the wearer, and means for detachably connecting said mouth-piece to said head-harness.

1,629,893. SECTIONAL INSULATOR OR CUT-OUT SWITCH. RICHARD A. SUPPES, Johnstown, Pa. Filed Aug. 29, 1924, Serial No. 735,030. Renewed June 24, 1926. 14 Claims. (Cl. 191—39.)

1. In a sectional insulator or cut-out switch of the class specified, the combination with longitudinally alined spaced conductors adapted to have feed wires connected thereto, of oscillating means disposed between the said conductors and carrying a conducting member and an insulating member for alternate interposition between the said conductors, the said oscillating means being movable upwardly and downwardly in planes at right angles to

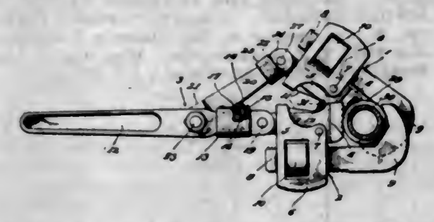


the longitudinally alined conductors and provided with a handle that will serve as an indicator of the positions of the conducting and insulating members relatively to the spaced conductors.

1,629,894. PROCESS FOR THE MANUFACTURE OF 2:3-AMINONAPHTHOIC ACID. RICHARD TOBLER, Basel, Switzerland, assignor to Society of Chemical Industry of Basle, Basel, Switzerland. Filed Mar. 26, 1926, Serial No. 97,768, and in Switzerland Apr. 8, 1925. 3 Claims. (Cl. 260—109.)

1. A process for the manufacture of 2:3-aminonaphthoic acid, consisting in heating 2:3-hydroxynaphthoic acid in a closed vessel with an excess of aqueous ammonia in the presence of a salt of a bivalent metal which salt is soluble in water in presence of an excess of ammonia.

1,629,895. DOUBLE WRENCH. MARKS J. TULLY, Long Island City, N. Y. Filed Nov. 18, 1925. Serial No. 69,888. 8 Claims. (Cl. 81—53.)



2. A tool of the character described comprising companion wrenches disposed in transverse spaced relation to each other, a handle pivotally connected with one wrench, for extending longitudinally therefrom, and a link extending diagonally of said wrenches with its forward and rear end portions offset with respect to its intermediate portion and substantially parallel to each other, the rear end portion of said link being pivotally connected with said handle and the forward end portion of the link being pivotally connected with the other wrench.

1,629,896. PUSH-BUTTON SWITCH. JOHANN VALERIUS, Breslau, Germany. Filed June 11, 1925. Serial No. 36,546. 2 Claims. (Cl. 200—159.)



1. In a switch of the character described the combination of a closed switch casing, a pair of curved contact plates mounted in spaced relation on the bottom plate

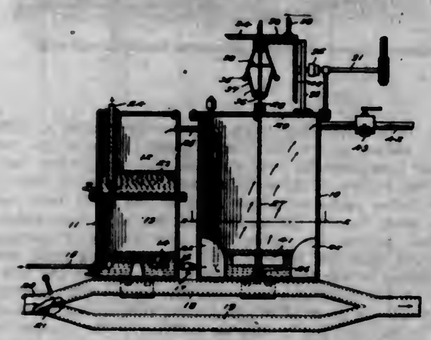
of said casing and insulated from each other, a spring-controlled push button movably mounted in the top plate of said closed casing, a contact plate on the lower end of said push button, a central female clamping member in said bottom plate, an elastic male clamping member on the other contact element said clamping members being made to engage the one with the other when said push button is being depressed so that said contact plate is held in contact with said contact springs.

1,629,897. BRAKE-OPERATED CIRCUIT CLOSER. HERBERT WARRINGTON WEST, Roanoke, Va. Filed Apr. 9, 1924. Serial No. 705,284. 1 Claim. (Cl. 200—59.)



A foot pedal operated circuit closer comprising a plate mounted adjacent the foot pedal and having a pair of projections of unequal length, a pair of insulators one mounted on the extremity of each projection, a contact member of substantial U-shaped formation having one leg longer than the other and having its extremities fixed to said insulators, the longer leg of the U-shaped contact member being bent outwardly in a substantially U-shaped formation, and a contact member mounted on the shank of the brake pedal having an offset portion adapted to slidably engage the bent outwardly portion of the longer leg of the substantially U-shaped contact member.

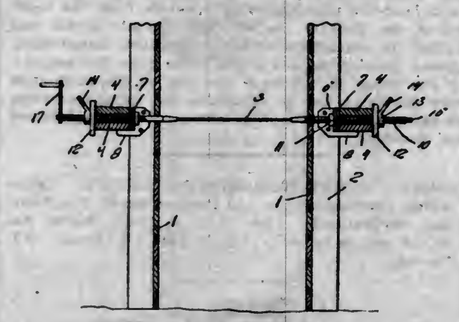
1,629,898. CARBURETOR. WILLIAM H. K. WILLIAMS, Cottonwood, S. Dak. Filed June 26, 1926. Serial No. 118,770. 2 Claims. (Cl. 123—123.)



1. In a carburetor and in combination a casing, means for maintaining a predetermined liquid level within the casing, means for introducing air to the casing below the level of liquid therein, means normally submerged in the liquid for agitating the liquid and adapted to be driven from the shaft of the engine to which the carburetor is attached and means for partially withdrawing the agitating device from the liquid as the speed of the engine increases.

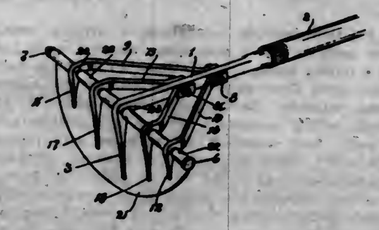
1,629,899. CONCRETE-FORM CLAMP. FRED WUSTHOLZ, Claytonville, Ill. Filed Oct. 13, 1926. Serial No. 141,376. 4 Claims. (Cl. 25—131.)

1. In a structure of the class described, in combination, a concrete form wall including boards arranged in edge-to-edge abutting relation together with vertical uprights, a bracket supported upon one of said uprights, a pair of vertically spaced horizontally disposed beams placed against the uprights, said bracket including means for



partially supporting the beams, a screw passing between said beams and cooperating with said bracket, and clamping means on the outer end of the screw also cooperating with said beams.

1,629,900. COMBINATION SCARIFIER AND CLEANER. WALTER YOUNGMAN, Winnipeg, Manitoba, Canada. Filed July 3, 1926. Serial No. 120,395. 6 Claims. (Cl. 15—104.16.)



1. A combination scarifying and cleaning tool comprising a handle, stationary rake teeth on the end of said handle and a pivoted gathering plate associated with the teeth and adapted to swing away from the teeth upon the tool being moved in one direction and to swing towards and engage the teeth upon the tool being moved in the opposite direction.

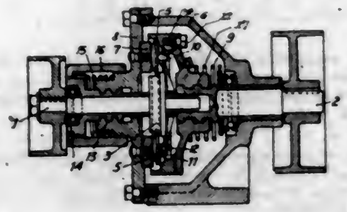
1,629,901. TIRE VALVE. FRANK M. AHEARN, Kinde, Mich. Filed Nov. 27, 1925. Serial No. 71,700. 1 Claim. (Cl. 152—12.)



In a tire valve of the character described, a hollow tubular shell adapted for association within the inner tube valve stem, a cup-shaped member disposed within the upper end of the shell and provided in the bottom wall thereof with a bore providing an air inlet and discharge orifice, a valve pin extending through the shell, a valve member carried by the pin beneath said orifice, the pressure of the air within the tire acting against the valve for maintaining the same in a seated position against the orifice, and additional means for holding the valve closed, said means comprising a cross plate ar-

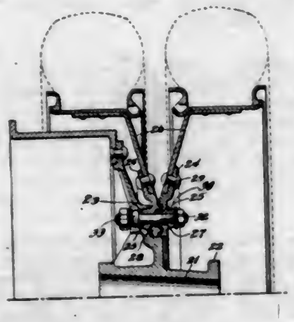
ranged within the lower end of the tubular shell, said cross plate being provided at diametrically opposite points with openings, and a central opening through which the lower end of the valve stem projects, upwardly disposed hook-like pins extending inwardly from the lower end of the shell at diametrically opposite points and adapted for engagement with the respective diametrically opposed openings formed in the cross plate, for supporting the latter, an abutment arranged on the valve stem below the valve, and an expansible coil spring encircling the valve stem and interposed between the cross plate and said abutment.

1,629,902. POWER-TRANSMITTING DEVICE. JAKOB ARTER, Oberengstringen, and EDMUND SCHELLING, Dietikon, Switzerland. Filed Aug. 4, 1925, Serial No. 48,150, and in Germany Aug. 7, 1924. 6 Claims. (Cl. 74—34.)



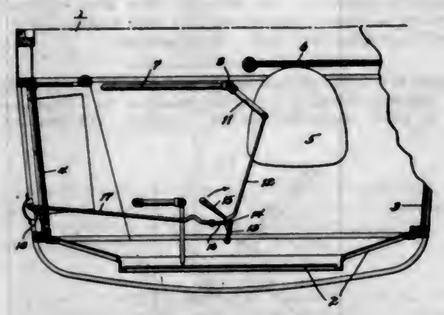
1. Friction gearing, comprising a driving member, a driven member and a non-rotary member, each provided with a rolling track, rolling elements, which are revolving between said three members and around the axis of the gearing, whereby the transmission of power is effected through rolling movement between said rolling elements and said three members, journals on said rolling elements, and a rotary element which does not participate in the transmission of power and in which the journals of the rolling elements are supported to prevent said rolling elements from rotating reversely or from tipping in a direction which does not coincide with the plane determined by the axis of the gearing and the axis of the respective rolling element or taking an undesired path.

1,629,903. VEHICLE WHEEL. HERSCHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, South Orange, N. J. Filed Mar. 28, 1925. Serial No. 18,932. 1 Claim. (Cl. 301—9.)



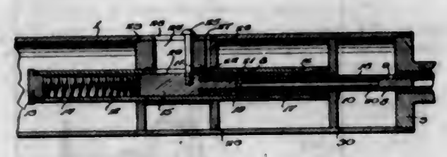
A disc wheel comprising a central plate of heavy material having hub engaging means thereon and a disc of lighter material secured thereto thereby providing a disc wheel having attaching means of greater strength than the disc.

1,629,904. PASSENGER VEHICLE. HERSCHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, South Orange, N. J. Filed July 10, 1925. Serial No. 42,698. 3 Claims. (Cl. 105—341.)



1. In combination with a vehicle having a driver's seat, an entrance door opposite the side of said seat, and a gate hinged adjacent the rear and afore-mentioned side of said seat with the free edge of said gate toward the entrance door, the hinging of said gate enabling the same to swing adjacent the seat so that entering passengers will be in proximity to the driver for collection of fares.

1,629,905. LIQUID-DISPENSING DEVICE. GUSTAV A. BJORKHOLTZ, Chicago, Ill. Filed Mar. 15, 1926. Serial No. 94,943. 5 Claims. (Cl. 221—94.)

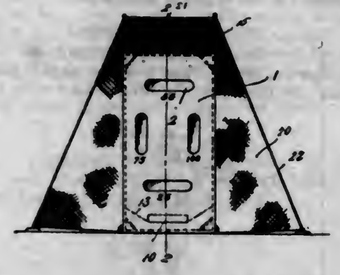


1. In a dispensing device, a reservoir handle, a guide tube having an air inlet, a dispensing tube within the guide tube provided with air ports and a discharge port for the outflow of the material from the reservoir, one air port being opposite the air inlet of the guide tube and the other beyond the guide tube, and a plunger snugly fitting within the guide tube and having a portion slidable upon the inner end of the dispensing tube, and including an air supplying tube slidable within the inner end of the dispensing tube and having ports to register with the air ports of the dispensing tube in one position of the plunger and in another position of the plunger to move the several ports out of register to cut off the inflow of air and the outflow of the material from the reservoir.

1,629,906. STABLE DIAZO COMPOUND AND PROCESS OF MAKING SAME. GUILLAUME DE MONTMOLLIN and GÉRALD BONHÔTE, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Aug. 29, 1924, Serial No. 735,042, and in Switzerland Sept. 21, 1923. 8 Claims. (Cl. 260—69.)

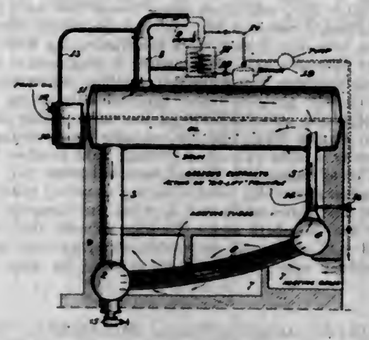
1. The process of making new stable diazo-compounds, which consists in treating diazo-derivatives of unsulfonated aryl and aralkyl ethers of o-aminophenol with sulfonic acids of the aromatic series which do not contain OH or NH_2 groups.

1,629,907. GAME APPARATUS. JERRY T. DWYER, Youngstown, Ohio. Filed Mar. 24, 1926. Serial No. 97,041. 4 Claims. (Cl. 273—103.)



3. A game apparatus comprising an apertured board, extension means adjustably connected with said board, guard means disposed above the board and carried by said extension means, and side wings of netting associated with the board and provided on their outer portions with weights for maintaining them in distended state.

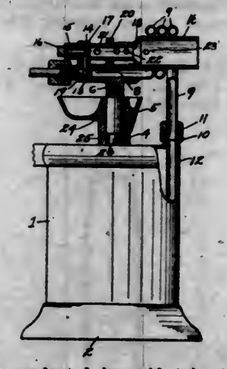
1,629,908. PROCESS FOR CRACKING HYDROCARBON OILS. WARREN F. FARAGHER and WILLIAM ARTHUR GRUSE, Pittsburgh, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Jan. 15, 1921. Serial No. 437,480. 6 Claims. (Cl. 196—62.)



2. The method of cracking oils in a pressure still, which comprises circulating the oil from and to a drum through tubes heated to a cracking temperature and promoting the circulation of oil through the heated tubes of the still by introducing a current or currents of gas, acting on the "air-lift" principle, into the oil at a point in its passage upwardly between the tubes and the drum.

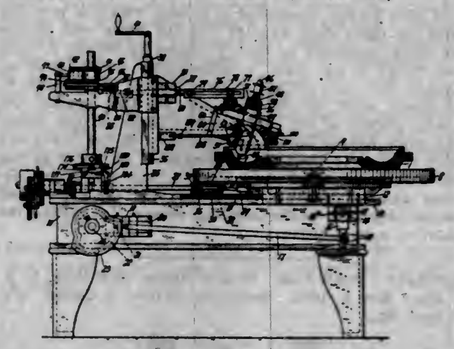
1,629,909. BLOWTORCH. HERBERT L. FISH, Springfield, Ohio, assignor to Harry C. Downey, Springfield, Ohio. Filed Dec. 26, 1924. Serial No. 758,059. 1 Claim. (Cl. 158—33.)

In a blow torch, a tank, a generator and a burner tube, means for supporting same by and immediately above the tank and in close proximity thereto, a fuel tube independent of said supporting means coiled about said burner tube immediately above said tank, one end of said fuel tube being connected with said generator and the other end of said fuel tube extended immediately downward from said coil and projecting into said tank in proximity to the lower portion of the interior thereof, said burner tube being provided with flame jet openings in proximity to said coil to heat said coil and cause



the heat to be conducted by said tube to the fuel in said tank, said fuel tube forming the sole means of conducting heat to said fuel.

1,629,910. MOLD-ENGRAVING MACHINE. ANDREW J. FLEITER and THEODORE A. MILLER, Akron, Ohio, assignors to The Akron Standard Mold Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 30, 1926. Serial No. 98,478. 17 Claims. (Cl. 90—15.)



1. In a machine for cutting tire molds, a head which projects over the mold, a guide plate adjustable at varying angles on the head, a tool carrier movable upon the guide plate, a pivot for the tool carrier, and means for moving the carrier in a straight line upon the guide plate and then about said pivot in a continuous movement.

1,629,911. SPRING MEANS FOR ELECTRIC SWITCHES. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Mar. 10, 1923. Serial No. 624,141. 1 Claim. (Cl. 200—166.)



An electric switch construction comprising a box, a switch member within said box, a coiled operating spring connected at one end to said switch member, an anchor member having a flange portion engaged in the coils at the other end of said spring, said anchor member having a threaded neck, an externally operable adjusting screw passing through one wall of said box and into adjusta-

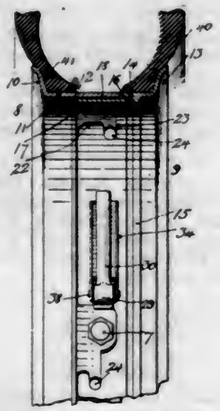
ble engagement in the threaded neck of said anchor member and having a head outside of said box and a lock nut for said adjusting screw inside of said box, the flange of said anchor member being rotatably adjustable in the coils of said spring without rotating said spring.

1,629,912. WELL BUCKET. PHARES E. GETZ, Neosho, Mo. Filed July 12, 1926. Serial No. 121,969. 1 Claim. (Cl. 294—72.)



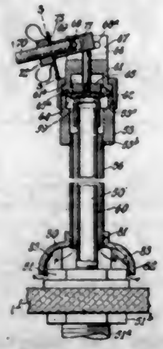
A well bucket comprising a bottom which is provided with an upstanding annular rib, the inner wall of the rib being continued to form a depending collar; a valve comprising a top plate, a compressible gasket abutting against the lower surface of the top plate and adapted to cooperate with the rib, a guide abutting against the lower surface of the gasket and slidable in the collar, the guide having means cooperating with the lower end of the collar to limit the movement of the valve as the valve is raised to an open position, and a securing element uniting the plate, the gasket and the guide; and means connected to the securing element for raising the valve to open position.

1,629,913. TIRE RIM. MORRIS GROSS, New York, N. Y. Filed Nov. 5, 1925. Serial No. 67,034. 1 Claim. (Cl. 301—35.)



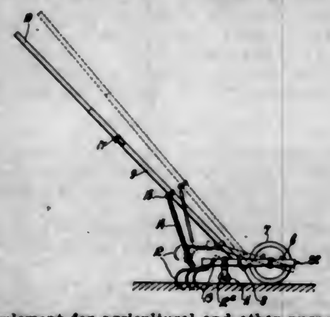
A detachable tire rim comprising a plurality of annular members adapted to be moved laterally into overlapping position to engage a portion of the tire between them, said members having pin and slot connections to secure them together laterally, and means for causing a relative circumferential movement of said annular rim members comprising a rocking gear having a lever arm for operating it, and carried by one of said rim members, and rack teeth on the other of said rim members with which the gear cooperates to force the rim members circumferentially in opposite directions.

1,629,914. INLET-VALVE MECHANISM. PHILIP HAAS, Dayton, Ohio. Filed Nov. 16, 1926. Serial No. 148,639. 16 Claims. (Cl. 137—104.)



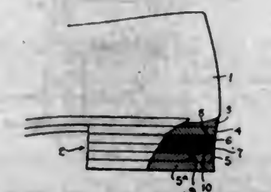
5. Inlet valve mechanism for flushing tanks, including an inlet valve casing formed of two separable members, one of said members being provided with a cylindrical bore and having a discharge aperture at its lower end, and threaded portions for connecting a discharge pipe thereto, a separately formed block polygonal in horizontal cross-section, and provided at its upper end with a valve seat, said block being forced into said bore and frictionally retained therein, and providing vertical apertures laterally of said block communicating with the discharge aperture, said block having a longitudinal bore and being provided with threaded portions for attaching thereto an inlet pipe exteading longitudinally of the discharge pipe, the other member of the valve casing being provided with a longitudinally movable valve engaging plug, having a stem extending through said member into position to be engaged by a float operated lever, and said members being provided with co-acting clamping portions, a flexible disc valve interposed between the clamping portions of said members and extending between the valve seat and said plug, and means for clamping said members together upon the marginal portions of said disc valve.

1,629,915. AGRICULTURAL IMPLEMENT. JOHN HAMPSON, London, England. Filed Feb. 20, 1925, Serial No. 10,678, and in Great Britain Nov. 7, 1924. 1 Claim. (Cl. 97—59.)



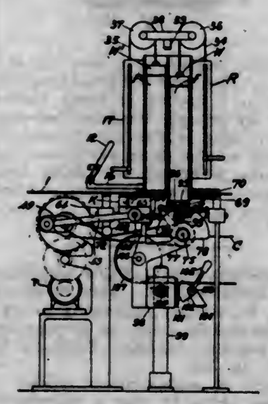
An implement for agricultural and other purposes comprising a longitudinally extending handle, an elongated U shaped framework formed from strip metal, between the limbs of which in an intermediate position the lower end of the handle is pivotally mounted, a running wheel pivotally mounted between the limbs of the U with its pivot parallel to the pivot of the handle and between this last mentioned pivot and the bend of the U, an operative tool carried by the limbs of the U between the free ends thereof and the pivot of the handle, means adjustably attached to the handle in an intermediate position to be gripped by the hands of the user, the whole arrangement permitting the upper end of the handle to be fulcrumed upon the shoulder of the user while pushing the tool in a forward direction for the purposes set forth.

1,629,916. CUSHIONED HEEL. MAURICE W. HIRSHFIELD, New York, N. Y. Filed May 17, 1923. Serial No. 639,651. 3 Claims. (Cl. 36—35.)



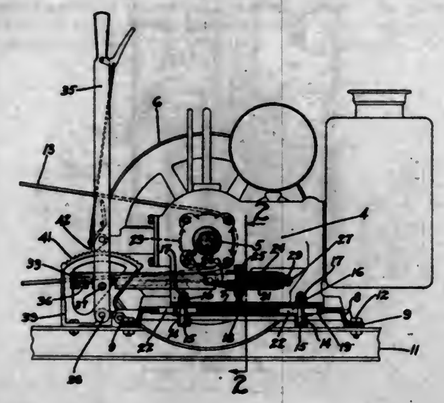
3. A tread member including a plurality of rubber lifts in superposed relation, leather lifts respectively superjacent and subjacent to said rubber lifts, the rubber lifts being secured to each other along contacting surfaces by a binder and to the adjacent leather lifts by metallic fastening means.

1,629,917. MATERIAL-DIVIDING MACHINE. JOHN HOHL, Lincoln Park, N. J., and OTTO J. MAURER, Wilkinsburg, Pa. Filed Jan. 18, 1923. Serial No. 613,364. 4 Claims. (Cl. 107—21.)



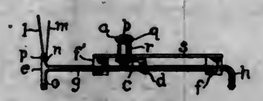
4. In a material slicing machine, in combination; a platform pivoted at one end, a bearing roller attached to the other end; a cam pivoted for rotation supporting the bearing roller and formed with a supporting peripheral portion; a freeing peripheral portion whereby the platform is freed and may swing upon its pivot, and a raising peripheral portion whereby the platform after being allowed to swing on its pivot downwardly is raised and then supported by the supporting portion of the periphery; a material receptacle positioned above the platform and having an orifice formed in its bottom, whereby the material therein rests upon the platform; means for rotating the cam and means for supporting the material in the receptacle while the platform is not being supported by the supporting peripheral portion of the cam.

1,629,918. SLIDING-BASE ENGINE. EDWARD L. KASTLER, Fairmont, Minn., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn., a Corporation of Minnesota. Filed Apr. 17, 1925. Serial No. 23,991. 5 Claims. (Cl. 308—11.)



1. A slidable engine base, a shaft journaled therein and having a pulley, a belt around the pulley, a barrel on said base, translatably adjustable by rotation and closed at one end, a plunger slidable in the barrel, a compression spring between the plunger and closed end, said plunger having a stem traversing the closed end passing through the spring and having a nut at the outer side in threaded engagement therewith, for varying the tension of the spring, a control lever pivoted independently of the bearing on the same side with the belt runs, a detent and rack for the lever, said lever having a pin, and a link pivoted to the plunger and having notches engageable over the pin of the lever, whereby tension upon the belt can be yieldably applied by movement of the base, and whereby the pivotal connection of link with the lever can be had to obtain maximum lever swing.

1,629,919. FOOT ACCELERATOR. HENRY W. LANE, Ione, Calif. Filed June 19, 1926. Serial No. 117,105. 4 Claims. (Cl. 74—81.)

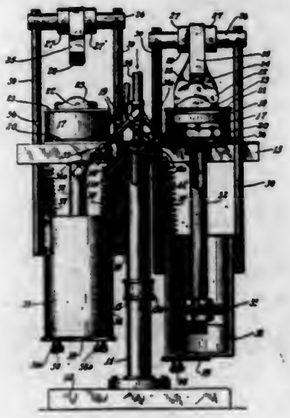


1. A foot accelerator including a foot lever fulcrumed near the forward part of the toe board and adapted to move in a plane parallel therewith, a shaft rigidly secured to and extending substantially at right angles from the foot lever, a sector provided with rack teeth and rigidly secured to said shaft, a substantially horizontal shaft carrying a beveled pinion meshing with the teeth of the sector and provided with an arm lever from which a connection leads to the carbureter throttle, and an arm having an over running connecting means with the hand throttle.

1,629,920. APPARATUS FOR MAKING RUBBER FOOTWEAR. FRANK J. MACDONALD, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 669,745. 3 Claims. (Cl. 12—37.)

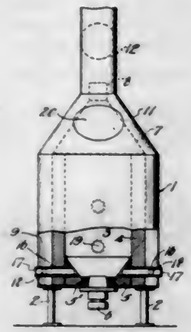
2. Apparatus for making footwear, said apparatus comprising a support, a turret mounted thereon, a plurality of presser members mounted on said turret, each of said presser members being adapted to compact shoe parts as-

sembled upon a last, a fluid-pressure cylinder, carried by said turret, for each of said presser members, means for actuating said cylinders in different rotary positions



of said turret, and means associated with said cylinders for pressing a last with shoe parts thereon against the respective presser members.

1,629,921. FURNACE FOR SUPPLYING DRYING GASES. DANIEL E. MANSFIELD, Weehawken, N. J., assignor to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 13, 1926. Serial No. 94,562. 10 Claims. (Cl. 34—18.)

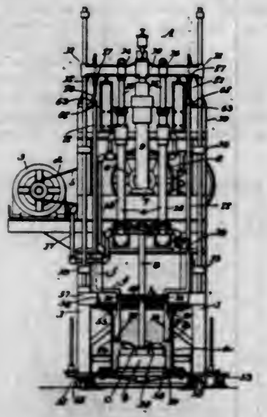


1. A furnace for supplying drying gases comprising a combustion chamber, a gas heating jacket surrounding the same, a burner at one end of the combustion chamber, an exhaust passage directly communicating with both the combustion chamber and heating jacket, means for supplying gaseous fluid under pressure to the jacket, and means for equalizing pressure in the jacket and combustion chamber.

1,629,922. PIPE-MAKING MACHINE. GEORGE C. MARTIN, Los Angeles, Calif. Filed Oct. 11, 1926. Serial No. 140,813. 10 Claims. (Cl. 25—36.)

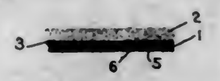
6. A device for forming pipe having mold elements and a rotary packer adapted to act upon pipe-making material, including means for stopping any rotation induced in said pipe-forming material by rotation of said packer.

10. A device of the character disclosed, including an outer mold and an inner mold forming therebetween an annular space, a rotary packer head above the inner mold, means for directing any pipe-making material to said packer head in static condition relative to the plane



of rotation of the packer head, and means for moving the inner mold, packer head and the first named means during formation of the said pipe.

1,629,923. FELT FABRIC. THOMAS S. MCDERMOTT, Franklin, Mass., assignor to Clark-Cutler-McDermott Co., Franklin, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1926. Serial No. 157,082. 2 Claims. (Cl. 19—147.)



1. A felt fabric comprising a base ply of woven or knitted fabric, a body ply of felt attached to the base ply, the latter having a coating of sizing applied thereto, and a barrier ply or layer interposed between the base ply and the felt body, said barrier ply having a quality of absorbing any surplus sizing which soaks through the base ply, thereby preventing said sizing from passing into the felt body, whereby the latter will not have its resiliency reduced by being partially saturated with sizing.

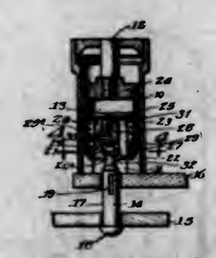
1,629,924. PROCESS FOR MAKING MOLDED RUBBER ARTICLES FROM LATEX. JOHN MCGAVACK, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Mar. 24, 1926. Serial No. 97,023. 14 Claims. (Cl. 18—50.)

7. The process of making rubber articles from latex which comprises adding to latex a vulcanizing combination and a substance capable of modifying its natural protective colloid to form a gel, disposing the latex while still fluid in a mold, after setting partially drying the object at substantially room temperature, and completing the drying and curing at a higher temperature.

1,629,925. PLATE-BOLTING-UP MACHINE. FRED CUSHING MOORE, Spokane, Wash. Filed Aug. 29, 1924. Serial No. 734,869. 4 Claims. (Cl. 29—84.)

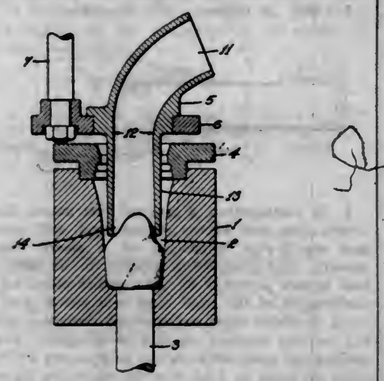
1. In a machine of the class described the combination comprising a gripping device having gripping jaws, a bolt having a body with a head at one end, the body being reduced near the other end and having an auxiliary head at said last named end, which is of substantially the same diameter as the body, the base of said auxiliary

head being formed to provide a shoulder inclined at an angle less than a right angle to the length of the bolt, and the gripping jaws being provided with gripe formed



to engage the reduced part of the bolt body, having similarly inclined parts adapted to automatically engage with the inclined shoulder at the base of said auxiliary head, and means for causing the jaws to grip the bolt.

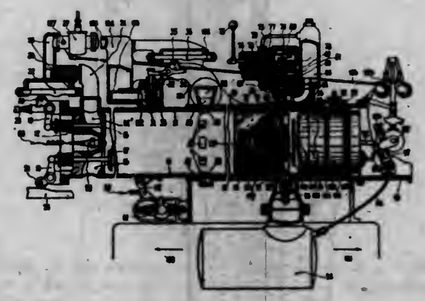
1,629,926. MOLD-CHARGE GUIDING DEVICE. KARL E. PHILBA, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed May 2, 1925. Serial No. 27,442. 6 Claims. (Cl. 49—14.)



1. In combination with a glass shaping mold, a guiding member adapted to be projected into the mold cavity in spaced relation with the walls and bottom thereof to deposit a mold charge in the bottom of said cavity and prevent contact between the charge and the upper wall of said mold.

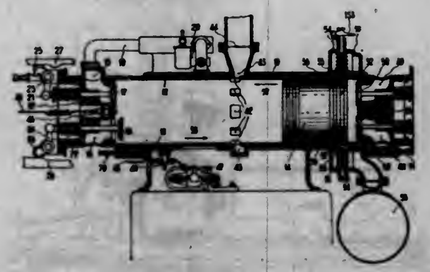
1,629,927. MOTOR-COMPRESSOR UNIT. RAUL PATERAS PESCARA, Paris, France, assignor to The Pescara & Raymond Corporation, Dover, Del., a Corporation of Delaware. Filed June 5, 1925, Serial No. 35,249, and in France June 11, 1924. 22 Claims. (Cl. 230—32.)

1. In an apparatus comprising a cylinder and a piston reciprocating in said cylinder the combination of means for permitting expansion of burnt gases down to a pressure approximately that of the surrounding atmosphere; means for sucking in from the atmosphere a certain quantity of pure air which enters the cylinder in the proximity of the combustion chamber and is drawn along in the wake of the burnt gases; means for injecting at a low pressure, in the wake of the pure air previously introduced, a suitable quantity of carburetted air, in such a way that on the one hand the burnt gases remaining at this moment in the machine are separated from the carburetted air by a cushion of pure air, and on the other hand that the carburetted air can never reach the exhaust ports of the machine; means for simultaneously expelling the burnt gases from the cylinder, which expulsion is produced both by the speed acquired by the burnt gases, as they follow the movement of the piston and also by the return motion of this latter which terminates said expulsion; means for compressing, at a low



pressure, and discharging from the cylinder a part of the fresh gas previously admitted, a storing reservoir into which said fresh gas is discharged at a low pressure, whose contents, suitably carburetted, are used to produce the injection of carburetted air at the aforesaid low pressure; means for compressing the gases remaining in the cylinder and means for electrically igniting the compressed mixture.

1,629,928. MOTOR-COMPRESSOR APPARATUS. RAUL PATERAS PESCARA, Paris, France, assignor to Pescara & Raymond Corporation, Dover, Del., a Corporation of Delaware. Filed June 5, 1925, Serial No. 35,250, and in France June 11, 1924. 25 Claims. (Cl. 230—32.)

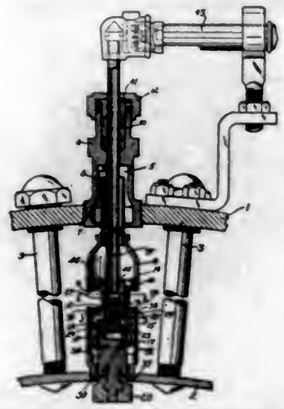


1. An apparatus comprising a frame, a closed cylinder, a mechanically free piston reciprocating in said cylinder, said cylinder being mechanically free to reciprocate with respect to said frame in the direction of its axis and means cooperating with the piston and cylinder to cause them to simultaneously reciprocate in opposite direction relative to one another.

1,629,929. LOW-WATER ALARM. FRANK M. ROBY, Cleveland, Ohio, assignor to Herman B. Thurston, Cleveland, Ohio. Filed Mar. 19, 1925. Serial No. 16,626. 10 Claims. (Cl. 122—504.1.)

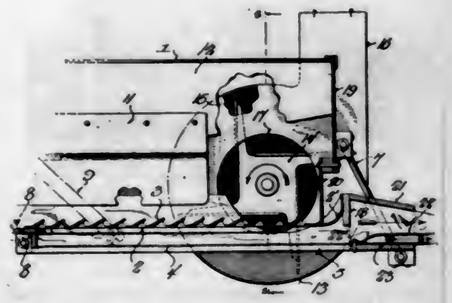
1. The combination with a boiler structure including a fire box and a crown sheet, of a low water alarm, said alarm comprising a signal, a member having a passage

for conducting steam from the boiler to the signal, a fusible metallic plug normally closing said passage, a cage for housing the plug and forming part of the passage, a portion of the cage extending to the fire space and arranged to conduct heat therefrom to the plug, an insulat-



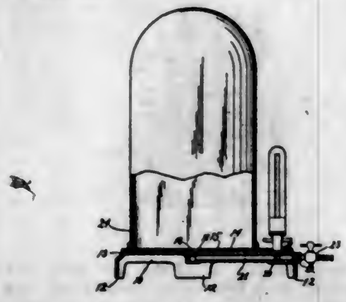
ing jacket surrounding the conducting portion of the cage and having a closed connection with the cage at one end and a threaded connection with the crown sheet of the boiler at the other, there being a passage between the cage and jacket communicating with the firebox.

1,629,930. SHAKER TROUGH FOR CORN HUSKERS. AUGUST ROSENTHAL, West Allis, Wis., assignor to Rosenthal Mfg. Co., West Allis, Wis. Filed Aug. 31, 1926. Serial No. 132,771. 11 Claims. (Cl. 209—257.)



1. In a corn husker the combination of a main compartment for the reception of cut material, a shaker trough closing the bottom of said compartment and having forwardly and upwardly extending projections provided with apertures through which the kernels from the corn may fall, a sifting screen mounted below said main bottom, a fan housing having an opening adjacent the forward end of the shaker trough and opening into said main compartment and having a delivery chute extending upwardly from adjacent the forward side of the fan, a rotary fan located within said casing and a hollow delivery head opening into the space between the main bottom and the sifting screen.

1,629,931. PLATE FOR VACUUM PUMPS. HERMAN PAUL SACHSE, Chicago, Ill., assignor to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 12, 1925. Serial No. 49,731. 2 Claims. (Cl. 154—43.)



1. A plate for vacuum pumps comprising a metallic base provided with a rough plane surface and a facing adapted to receive a bell jar secured to said surface, the securing bond being characterized by having been formed by a molding operation under conditions of heat and pressure.

1,629,932. MOUTHPIECE ADJUSTER. EARL L. SIMPSON, Baltimore, Md. Filed May 12, 1924. Serial No. 712,595. 3 Claims. (Cl. 84—383.)



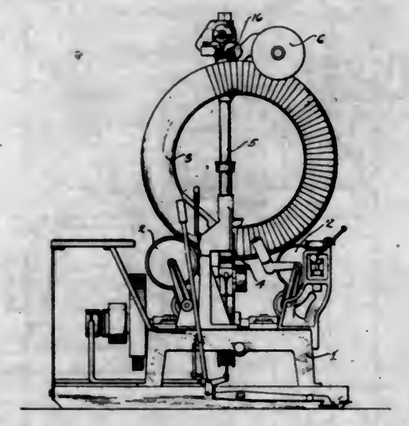
1. In combination, a musical instrument mouth-pipe, a mouth-piece and means of securing said mouth-piece to said mouth-pipe consisting of, a sleeve cylindrical externally and provided internally to fit said mouth-pipe, and means provided on said mouth-piece to permit the adjustment of the same over said sleeve, the said means being provided with an external clamping means operating on the exterior of said mouth-piece, and means of making the joint between the said means and said mouthpiece air-tight by said external clamping means.

1,629,933. COUNTER. FRANK P. STEIL, Cudahy, Wis. Original application filed Oct. 9, 1924, Serial No. 742,563. Divided and this application filed Aug. 23, 1926. Serial No. 131,010. 2 Claims. (Cl. 36—68.)



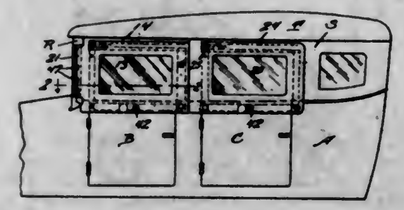
1. A counter for stitchdown shoes having inwardly-extending side flanges and an outwardly-extending rear flange.

1,629,934. WRAPPING MACHINE. EMIL STERN, Chicago, Ill. Filed Apr. 5, 1926. Serial No. 99,746. 14 Claims. (Cl. 101—38.)



1. In combination, a mechanism for advancing an article and applying a wrapping thereto, and means adapted to be brought into contact with the article to print desired indicia on the wrapping as the article is advanced in said mechanism.

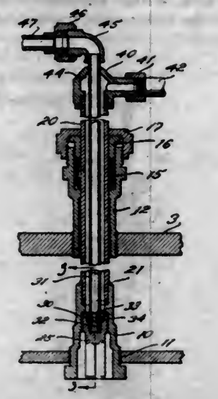
1,629,935. AUTOMOBILE TOP AND CURTAIN CONSTRUCTION. RUDOLPH HENRY STOBBE, St. Clairsville, Ohio. Filed Jan. 20, 1925. Serial No. 3,622. 1 Claim. (Cl. 296—140.)



In a curtain structure of the class described, a frame comprising a horizontal portion and a vertical portion, a curtain swingably attached to the vertical portion, a hinge bar attached to and extending longitudinally of the horizontal portion, a second hinge bar extending longitudinally of and fixed to the upper edge of the curtain, the ends of the hinge bars adjacent the vertical portion being pivoted together, a pair of arms pivoted at their lower ends in spaced relation to the lower edge of the curtain and having their upper ends bifurcated, the bifurcated ends of the arms being adapted to receive the hinge bar on the curtain.

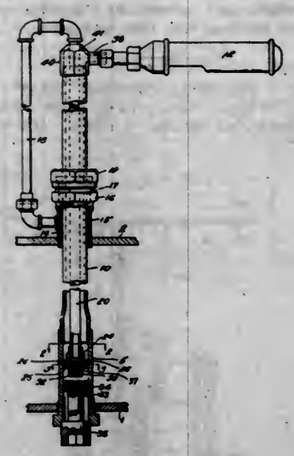
1,629,936. LOW-WATER ALARM. HERMAN B. THURSTON, Cleveland Heights, Ohio. Filed Mar. 24, 1924. Serial No. 643,512. 10 Claims. (Cl. 122—504.1.)

1. The combination with a steam boiler of two conduits, one surrounding the other, readily fusible material forming an annulus about the inner end of the smaller conduit and having a portion extending transversely of the annulus for normally closing communication between the smaller and the larger conduit, one of said conduits ex-



tending to the exterior of the boiler and being provided with a signal, and the other conduit being in communication with the steam space of the boiler.

1,629,937. LOW-WATER ALARM. HERMAN B. THURSTON, Cleveland Heights, Ohio. Filed Mar. 24, 1924. Serial No. 701,598. 14 Claims. (Cl. 122—504.)

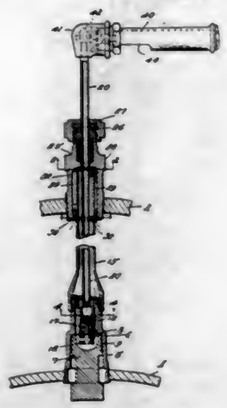


1. In a low water alarm for a boiler, the combination of a conduit leading to the exterior of the boiler and including a sleeve having threaded engagement with the crown sheet of the boiler, a pipe within said conduit, an inwardly extending portion of said sleeve having threaded engagement wth said pipe, a passage through said inwardly extending portion allowing communication from the pipe to the conduit, a threaded plug normally closing said communication and having an opening filled by fusible material, and another plug below the first, closing the lower end of said sleeve.

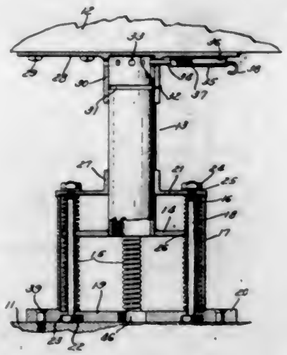
1,629,938. LOW WATER ALARM. HERMAN B. THURSTON, Cleveland, Ohio. Filed July 18, 1924. Serial No. 726,711. 9 Claims. (Cl. 122—504.1.)

1. In a low water alarm in combination a hollow member adapted to be secured to the roof sheet of a boiler and in open communication with the interior thereof, a

tube projecting into said member and means for separating the exterior surfaces of the tube from the interior of said member to form a passage from the steam space to within the tube, a cage adapted to be secured to the crown sheet of the boiler and to said tube, said cage having a passageway leading to said tube, an upwardly extending pipe communicating with said passageway and extending through said member and adapted to communicate with a signal device, and a fusible plug of metal secured within said passage and normally closing communication between said tube and pipe.

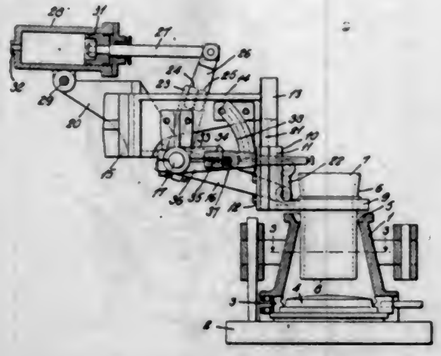


1,629,939. SHOCK-ABSORBING SEAT SUPPORT. JOHN Y. TURNER, Ocean Park, Calif. Filed June 20, 1925. Serial No. 38,536. 1 Claim. (Cl. 155—52.)



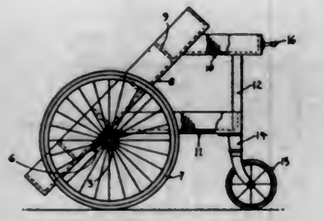
A shock-absorbing seat support comprising: a weight-transmitting post provided with means for its attachment beneath a seat and with a piston-like enlargement at its lower end; a plurality of stationary guide bolts extending through said enlargement; a plurality of compression springs disposed beneath said enlargement; an apertured plate for holding said post in substantial parallelism with said bolts; resilient depressing means disposed above said enlargement; and a housing to enclose said springs, said housing being provided with a bottom and with an apertured cover engageable by said compression springs, between which bottom and cover said enlargement is retained,—the mentioned enlargement, bottom cover and springs being held in their assembled relationships by said guide bolts.

1,629,940. MOLD-CHARGE-DELIVERY FUNNEL. DAVID P. WEAVER, Bridgeton, N. J., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Oct. 3, 1925. Serial No. 60,164. 9 Claims. (Cl. 49—14.)



1. In combination with a glass shaping mold, a guiding member adapted to be projected into the mold cavity and in spaced relation with the walls and bottom thereof to deposit a mold charge in the bottom of said cavity and to prevent contact between the charge and the upper wall of said mold, and means for adjustably limiting the downward movement of said member.

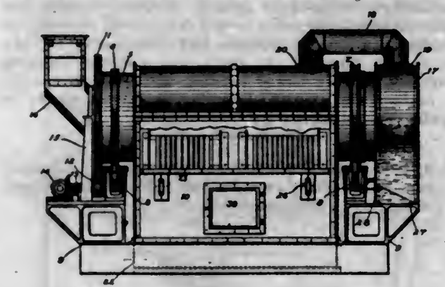
1,629,941. BOOK RACK. PAUL W. WIPPERMAN, Decatur, Ill. Filed May 6, 1926. Serial No. 107,225. 1 Claim. (Cl. 280—50.)



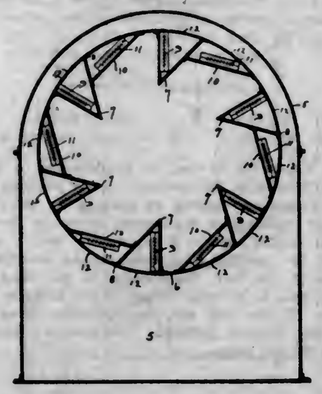
A book rack of the class described, including an elongated inclined box-like structure, brackets on the box-like structure, an axle in the brackets, wheels on the axle, a second box-like structure extending rearwardly at an oblique angle from the first box-like structure, a third box-like structure extending rearwardly and at an oblique angle from the first box-like structure in parallelism with the second box-like structure, a standard between the second and third box-like structures, a caster wheel mounting depending from the third box-like structure, and a caster wheel thereon.

1,629,942. DRYING APPARATUS. LOUIS H. ZEUN, Baltimore, Md., assignor to John B. Adt Company, Baltimore, Md. Filed Dec. 23, 1924. Serial No. 757,648. 5 Claims. (Cl. 34—6.)

1. In a drying apparatus, a support, a housing mounted on said support, a rotary drum having a material inlet and air outlet at one end, a material outlet at the opposite end, said drum mounted in said housing, a heating unit mounted in said housing directly beneath the drum, means for delivering air into said housing and said drum, and means for conducting said air from said drum through said air outlet.

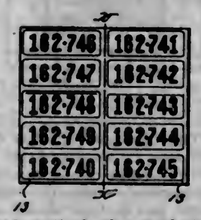


1,629,943. ELECTRICAL HEATING UNIT FOR DRYING APPARATUS. LOUIS H. ZEUN, Baltimore, Md., assignor to John B. Adt Company, Baltimore, Md. Filed Mar. 25, 1925. Serial No. 18,096. 3 Claims. (Cl. 34—5.)



1. A drying apparatus including a housing, a rotating drum mounted in said housing, a plurality of electrical heating units formed integral with the interior of said drum, and said drum provided with heat outlets opposite each of said electrical heating units.

1,629,944. METHOD OF MANUFACTURING AUTOMOBILE LICENSE PLATES. STEPHEN S. ADAMS, St. Louis, Mo. Filed Nov. 21, 1924. Serial No. 751,384. 4 Claims. (Cl. 101—426.)



1. An improved method of manufacturing automobile license plates consisting in forming a sheet of enameled metal, embossing thereon at one operation a complete series of groups of numbers or characters, each group representing a single plate, said groups being arranged in predetermined numerical relation with each other, coating all of the embossed numerals or characters in one operation with an appropriate color, severing said sheet transversely into plates corresponding to said groups and perforating during said severing operation the contiguous sides of the plates operated upon.

1,629,945. GYMNASTIC TOY. MANUEL ALARCON, Gallup, N. Mex. Filed Apr. 13, 1926. Serial No. 101,629. 3 Claims. (Cl. 46—40.)



1. A toy comprising substantially vertical arms, a cross support attached to said arms and disposed between the extremities thereof, said vertical arms being provided with elongated slots, adjustable blocks engaging the elongated slots, means on said blocks for retaining the latter in an adjusted position, a flexible member attached to said adjustable blocks, and a figure threaded on said flexible member, said flexible member being adapted to be actuated by movement of the ends of said arms to impart acrobatic motion to said figure.

1,629,946. COLUMN PARLOR-FLOOR LAMP. HARRY ANGEL, Los Angeles, Calif. Filed Jan. 4, 1926. Serial No. 79,133. 3 Claims. (Cl. 240—81.)



1. A parlor floor lamp comprising a vertical pedestal having a base thereon, said pedestal comprising a plurality of corner members, spaced partition members ar-

ranged along said pedestal, said partition members being opaque, a plurality of transparent panels mounted on said corner members, a lamp disposed on each of said partition members, a lamp extending above the top of said pedestal, means to supply electric current to said lamps on said partitions and other means to supply current to said top lamp.

1,629,947. MEANS FOR SINKING CONCRETE PILES. MAURICE BLUMENTHAL, Brooklyn, N. Y. Substitute for application Serial No. 354,386, filed Jan. 27, 1920. This application filed May 1, 1925. Serial No. 27,329. 7 Claims. (Cl. 61—57.)



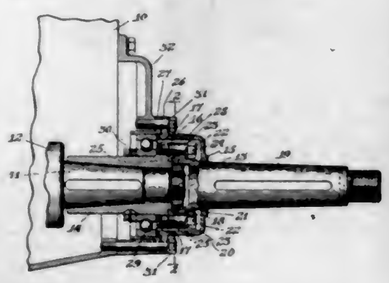
5. The combination with a pile shell adapted to be driven into the earth and to contain a quantity of concrete material, of a separately formed paper liner for said shell, and said shell and liner having parts cooperative to provide an air passage longitudinally of the shell.

1,629,948. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,374. 3 Claims. (Cl. 200—132.)



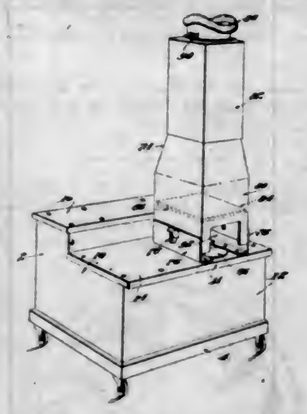
1. In a fuse, a casing, a cap, a cap holding member attached to the casing, having an aperture thru which a fuse link may be passed, a plug adapted to be wedgewise positioned in and to substantially close said aperture and having an outer face over which a link may be bent, and co-acting means on cap and cap-holding member adapted to press a fuse link toward the plug and the plug toward the aperture.

1,629,949. POWER TAKE-OFF FOR ENGINE CRANK SHAFTS. RALPH D. CAFFARELLO, Chicago, Ill. Filed Aug. 13, 1925. Serial No. 49,890. 4 Claims. (Cl. 64—89.)



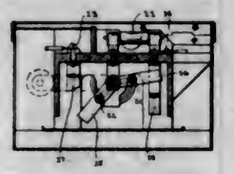
1. The combination with an engine having a crank shaft, of a sleeve fast on the crank shaft and having an annular end flange provided with an annular shoulder, a propeller carrying and driving shaft projected to surround the end of the crank shaft and having a complementary end flange and annular shoulder, radially disposed registering keyways in the flanges and crossing the shoulders, keys in the keyways, and bolts passing through the flanges, whereby the sleeve and propeller carrying shaft are securely locked together in a manner directly to connect the propeller carrying shaft and sleeve in coaxial relationship.

1,629,950. X-RAY APPARATUS. CHARLES E. CAMPBELL, Lynn, Mass. Filed June 12, 1920. Serial No. 388,436. 1 Claim. (Cl. 250—34.)



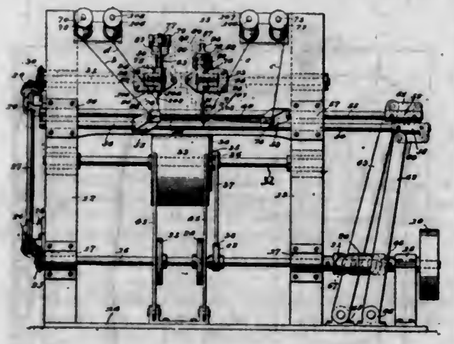
X-ray apparatus having, in combination, a cabinet, a source of X-rays in the cabinet, a hood pivotally mounted on the cabinet and having an opening for reception of a foot to be examined, a fluorescent screen in the hood, an electrical circuit for the X-ray source, and a switch located in the opening in position to be actuated by the insertion of the foot, the opening in the hood being of sufficient size to permit tilting of the hood so that the structure of the foot may be examined from different angles and without affecting the pressure placed upon the foot by the body.

1,629,951. STARTING BOX FOR CONTROLLING THE ELECTRIC CURRENT TO MACHINE MOTORS. HARRY E. CAMPBELL, Milwaukee, Wis., assignor to Union Electric Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 12, 1922. Serial No. 594,106. 2 Claims. (Cl. 200—8.)



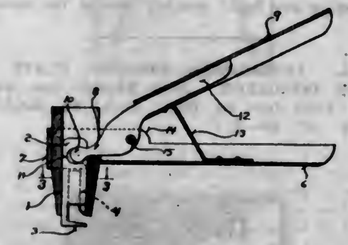
1. In a controlling device of the class described, a casing, two sets of switch contacts mounted within the casing, a set of switch blades cooperating with each set of contacts, a drum mounted within the casing, connections between the drum and switch blades for moving the latter into engagement with said contacts and means for normally urging the drum in a direction to normally urge the switch blades from engagement with the contacts.

1,629,952. FABRIC-WEAVING MACHINE. JOHN E. FEPPEL, Bridgeport, Conn., assignor of one-half to Frank J. Hoey, New York, N. Y. Filed May 29, 1926. Serial No. 112,505. 14 Claims. (Cl. 139—124.)



1. In a fabric weaving machine, warp feeding means, weft feeding means including a weft carrying element adapted to be projected between sheds of the warp, and selvage feeding means including a selvage carrying element adapted to produce loops in such selvage thread through which the weft thread is passed.

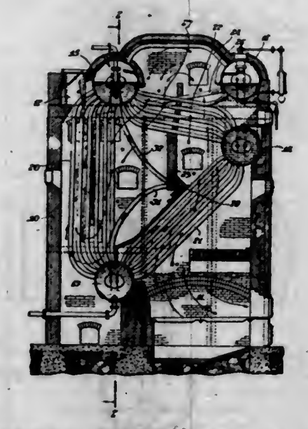
1,629,953. COTTER-PIN AND STAPLE PULLER. FLORIAN FOOTE, Oakwood, Wis. Filed Sept. 16, 1926. Serial No. 135,842. 2 Claims. (Cl. 29—86.2.)



1. A device for withdrawing staples, cotter-pins, or similar members, comprising a main head having a longitudinally extending aperture therethrough, a crosshead slidably mounted within said aperture and having a lower finger adapted to engage the eye of the staple or cotter-pin, a lever rigidly secured to said main head, a second lever pivoted to said first-mentioned lever and having a projecting end, said cross-head having a recess in its upper portion for the reception of said projecting end, said finger being adapted to be withdrawn into said main head when said levers are caused to approach each other.

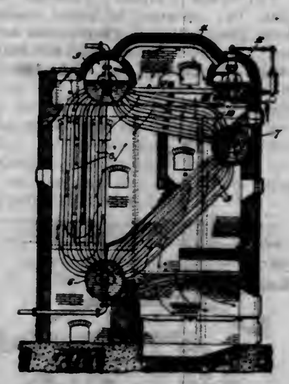
1,629,954. STEAM BOILER. EDGAR KIDWELL, Milwaukee, Wis., assignor to Kidwell Boiler Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 5, 1923. Serial No. 661,017. 4 Claims. (Cl. 122—302.)

1. A water tube boiler comprising a setting having a combustion chamber therein and an off-take for the products of combustion, a mud drum, a steam and water drum, water circulating tubes connecting the mud drum to the steam and water drum, a baffle forming serial passes for the gases between the combustion chamber and the off-take, a hollow water cooled support for said baffle, water circulating connections between the mud drum and the hollow support in the path of the gases, and water circulating connections between the hollow support



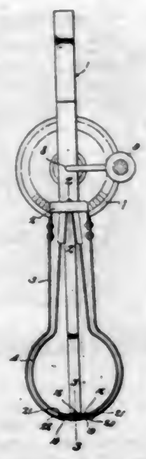
and the steam and water drum also in the path of the gases and in a hotter portion of the pass than the connections between the hollow support and the mud drum.

1,629,955. STEAM BOILER. EDGAR KIDWELL, Milwaukee, Wis., assignor to Kidwell Boiler Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 4, 1923. Serial No. 678,408. 3 Claims. (Cl. 122—302.)



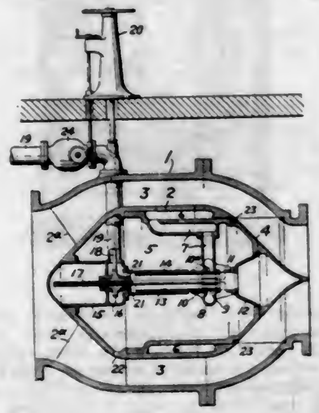
1. A steam boiler having a continuous main water circulation path and a supplemental water circulation path, said main path including a steam-and-water receptacle wherein the steam is disengaged from the water, and said supplemental path comprising a steam-and-water receptacle from which the steam is discharged, said latter receptacle being outside the main path of circulation, and said supplemental path also comprising two tube connections between the water spaces of the two receptacles, one of said connections being inclined upwardly in its path from one receptacle to the other, and the other connection being horizontally disposed between the two steam and water receptacles and being of such cross-sectional area as to permit the flow from said other to said one receptacle of a volume of water substantially equal to that of the forced flow of water through the inclined connection.

1,629,956. SANITARY EGG BEATER. ANNA A. KOPENHAVER, Stockton, Calif. Filed Aug. 9, 1926. Serial No. 128,250. 3 Claims. (Cl. 259—131.)



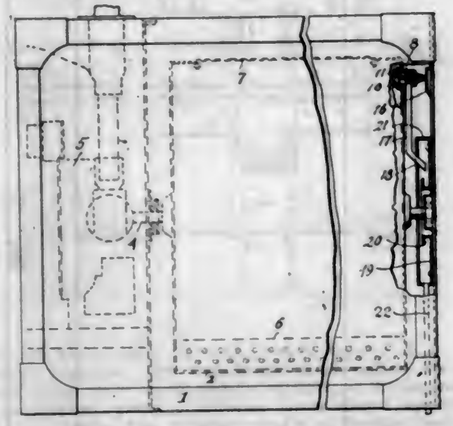
1. A device of the class described comprising a frame, a beater detachably journaled on the frame, an anchor whereon the beater is journaled, a keeper on the anchor, and a latch carried by the frame and cooperating with the keeper to hold the anchor on the frame.

1,629,957. PLUNGER VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor, by mesne assignments, to I. P. Morris Corporation, a Corporation of Delaware. Filed Nov. 18, 1920, Serial No. 424,855. Renewed July 28, 1925. 23 Claims. (Cl. 137—139.)



9. The combination with a conduit casing having a fixed internal body and a contracting portion forming a valve seat, of a plunger cooperating with said seat and shaped to form with said body a plurality of fluid pressure chambers, and means for controlling the fluid pressures in all of said chambers comprising a valve means carried within said conduit casing adapted to separately control fluid pressure connections to said chambers in all positions of the plunger.

1,629,958. WASHING MACHINE. HARRY W. MITCHELL, Cleveland, Ohio, assignor to G. F. Mitchell & Son, a Partnership consisting of George F. Mitchell, George R. Mitchell, and Harry W. Mitchell, Cleveland, Ohio. Filed July 18, 1924. Serial No. 726,857. 5 Claims. (Cl. 68—18.)



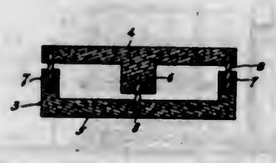
1. A washing machine having a rotatably mounted substantially fluid tight drum forming a container for a body of cleansing liquid and articles to be cleansed, a pressure relief valve carried by the drum, means for operating the valve during rotation of the drum to permit escape of gases therefrom, and means associated with the valve for collecting any liquid escaping through the valve.

1,629,959. AUTOMOBILE LICENSE PLATE AND THEFT INDICATOR. JONS NELSON, Los Angeles, Calif. Filed June 18, 1923. Serial No. 646,126. 6 Claims. (Cl. 40—22.)



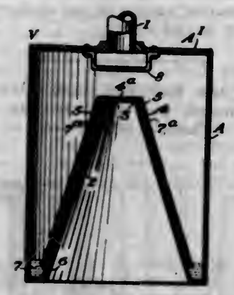
1. A license number display member comprising: a plate member upon which the figures constituting the license number are arranged, a central portion of said plate of sufficient area to include the lower portions of the upper row of figures and the upper portions of the lower row of figures being removable by the driver when leaving the automobile upon which said display member is mounted, to indicate that any subsequent use of the automobile is unauthorized, said removable portions being circular in form; and means operative through relative rotation for removably securing said removable portion.

1,629,960. CONCRETE BUILDING BLOCK. EDWARD S. NICHOLAS, Roscoe, Ill. Filed May 23, 1925. Serial No. 32,312. 7 Claims. (Cl. 72—44.)



1. A building block comprising a T section and a U section, said sections being arranged with the leg of the T between the arms of the U while the cross portions thereof are disposed in substantially parallel relation.

1,629,961. CHECK VALVE. HOWARD M. NICHOLSON, Pittsburgh, Pa. Filed June 19, 1925. Serial No. 38,183. 1 Claim. (Cl. 251—127.)



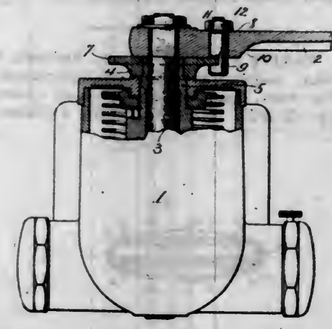
A valve comprising a casing provided at its top with an outlet opening, an upstanding conical seat in the casing having an inlet opening in its top, a mass of mercury in the casing surrounding the base of the seat, and a frusto-conical cap having a flat top adapted at times to engage the top of the seat and having side walls parallel throughout the length af the cap to the walls of the seat but spaced from the seat by an annular air gap, the lower edge of the cap being immersed in the mercury when the cap rests upon the seat.

1,629,962. METHOD OF TREE TREATMENT. JAMES S. PERRY, Covina, Calif.; Elsie W. Perry special administratrix of James S. Perry, deceased. Filed Nov. 10, 1925. Serial No. 68,218. 1 Claim. (Cl. 47—58.)

A method of treating diseased bark conditions in trees which consists in first removing the diseased area of the bark down to the cambium, then applying a germicidal solution to the exposed cambium, then placing a cover about and spaced from the cambium while in a moist condition, and finally leaving the covering in position until new bark has been grown.

1,629,963. DOOR CLOSER. ROBERT S. POTTER, Greenwich, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Oct. 27, 1926. Serial No. 144,574. 1 Claim. (Cl. 16—65.)

The combination with a door-closer including a spring-actuated spindle, and a spring-winder sleeve, of a lever carried by the spindle, a plate carried by the sleeve, a stud mounted in the lever and having a notch engaging



the edge of the plate, and means for securing the stud and effecting binding engagement between the same and the plate.

1,629,964. FUEL MIXER. CHARLES D. PRICE, Baraboo, Wis. Filed Sept. 30, 1926. Serial No. 138,779. 3 Claims. (Cl. 48—180.)



1. A device for breaking up particles of liquid fuel preliminary to the entrance of such fuel into the engine, the same comprising a flat body having a centrally disposed opening, and a gauze screen fitted in the opening of the body and comprising oppositely disposed pockets facing in the same direction and separated by a diametrical opening, the outer walls of the pockets curving from the circumference of the opening of the body towards one another and the inner walls being approximately perpendicular to the body.

1,629,965. CLEANER. FLORENCE V. RALSTON, New York, N. Y. Filed Nov. 13, 1925. Serial No. 68,803. 2 Claims. (Cl. 15—114.)



1. A cleaner comprising a plurality of resilient metallic strips and cleaning elements rotatable therebetween and means for supporting said cleaning elements adjacent

each other, said means comprising bifurcated plates arranged one at each side of one of said elements, each said plate being provided with a plurality of projections receiving said forked member therebetween.

1,629,966. VANITY CASE. PHILIP A. REUTTER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 15, 1925. Serial No. 2,487. 4 Claims. (Cl. 132—83.)



1. In a vanity box, the combination of a bottom, a cover, both having similar convex walls, and an annular intermediate compartment hingedly secured in position and formed to support a mirror and a powder compact, and having a side wall conforming in convexity to the bottom and cover, the walls of the bottom and cover bearing against the upper and lower edges of the wall of the compartment and abutting in frictional engagement with the compartment wall when the box is closed.

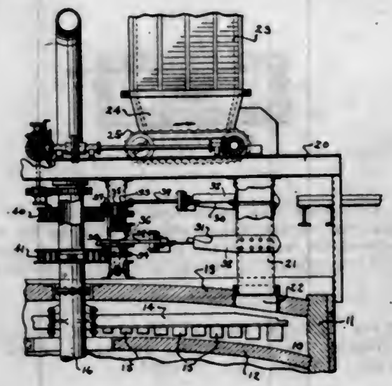
1,629,967. FINGER-NAIL TRIMMER. RALPH KANAGA REX, Cleveland, Ohio. Filed Nov. 15, 1926. Serial No. 148,523. 3 Claims. (Cl. 132—73.)



1. A finger nail trimmer comprising a head having one end sheared off at an acute angle to the end walls of the head, said head being provided with a passage extending transversely of the head and with the end of one passage opening through the outer free end of the head, and a blade located at the periphery of the opening.

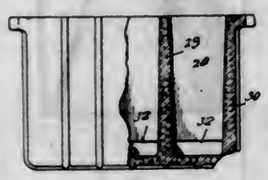
1,629,968. METALLURGICAL-FURNACE-FEEDING MECHANISM. ADELBERT HARRY RICHARDS, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 24, 1923. Serial No. 664,377. 7 Claims. (Cl. 214—35.)

1. In a furnace having a feed chute with a plurality of feed gates therein for feeding charges to said furnace, a drive shaft having a wheel for each gate, each wheel having an operating sector and a non-operating sector and a separate device for opening and closing each gate,



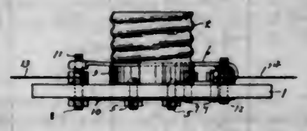
each of said devices being operated by the operating sector of the respective wheel and not operated by the non-operating sector of said wheel.

1,629,969. GLASS BATTERY BOX. JAMES K. ROBINSON, Jr., Altoona, Pa. Filed Jan. 16, 1926. Serial No. 81,763. 2 Claims. (Cl. 206—2.)



2. As a new product of manufacture, a storage battery box made entirely from glass, said box being of general oblong configuration in top plan view, being provided with transverse upwardly tapered partitions dividing it internally into transversely elongated cells, transversely located longitudinally spaced ribs at the bottom of said cells forming intervening sediment collecting pockets and supporting means for grid plates, outstanding supporting flanges at the top of the end walls of the box, and external reinforcing ribs formed on the bottom, side and end walls of said box.

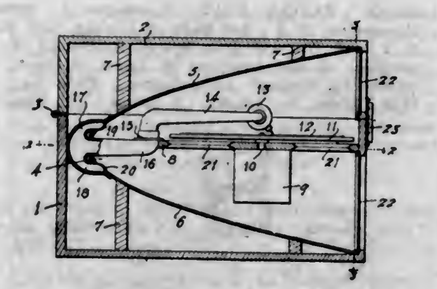
1,629,970. LAMP-BULB SOCKET. EARL H. ROLLINSON, Lyons Farms, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Nov. 25, 1922. Serial No. 603,186. 3 Claims. (Cl. 173—342.)



1. In a bulb socket, the combination of a socket shell having a diametrical slot in the bottom thereof, an insulating base for said shell, a line terminal connected to

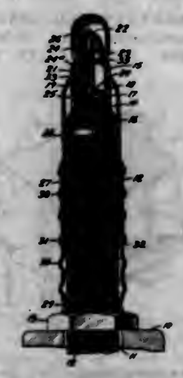
the shell, a flat spring secured to said base by a dead end connection and extending through said slot, and a contact point upon the said base, beneath the free end of said spring and adapted to be engaged thereby when the same is depressed by the insertion of a bulb into said shell.

1,629,971. SOUND-REPRODUCING INSTRUMENT. HARRY B. ROOK, Newark, N. J. Filed July 7, 1921. Serial No. 482,909. 6 Claims. (Cl. 274—2.)



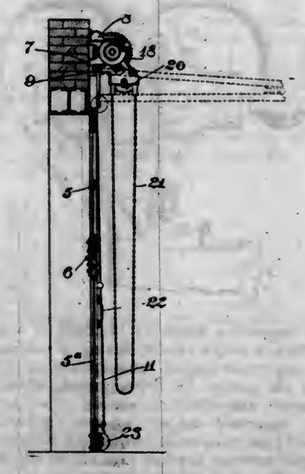
6. In a sound reproducing instrument, the combination of a horn-like sound discharge member, a perforate partition disposed within and substantially longitudinally of said sound discharge member to permit passage of sound waves from one side to the other of said partition, a sound reproducer to discharge sound waves inwardly through the small end of said sound discharge member so that the sound is directed outwardly through the large end of said sound discharge member, and means mounted on said perforate partition for controlling operation of said sound reproducer.

1,629,972. AUXILIARY VALVE FOR PNEUMATIC-TIRE VALVE STEMS. WILLIAM R. ROYER, Wilkes-Barre, Pa. Filed Aug. 30, 1923. Serial No. 660,066. 2 Claims. (Cl. 152—12.)



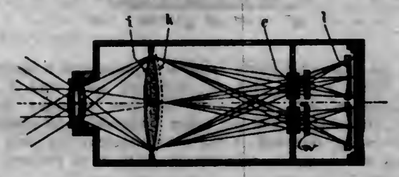
2. In a valve for pneumatic tires, a tubular member carrying a valve and adapted to be attached to the outer end of a valve casing, and having a reduced end-portion provided with an end-opening and a circumferential shoulder adjacent thereto; and a cap of spring metal mounted over the reduced end-portion having inwardly turned spring fingers around its edge to seat under said shoulder and permit removal by lateral pressure.

1,629,973. DOOR AND OPERATING MECHANISM THEREFOR. ALBERT RUSH and RALPH H. GREGOR, Columbus, Ohio, assignors to The Kinnear Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 1, 1922. Serial No. 604,281. 2 Claims. (Cl. 20—20.)



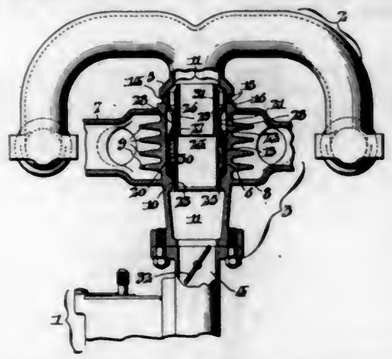
1. A door for a building including upper and lower sections hinged together, and stationary pins on the building and slotted pivoting members on the upper portions of the upper section slidingly engaging said pins, said connection permitting swinging movement of said upper section as well as planewise movement thereof in all positions thereof.

1,629,974. OPTICAL APPARATUS, AS PHOTOGRAPHIC CAMERA, FOR REPRODUCING THE OBJECTS WITH THEIR NATURAL COLORS. GIOACCHINO RUSSO, Catania, Italy. Filed Oct. 26, 1921, Serial No. 510,668, and in Italy Feb. 24, 1921. 2 Claims. (Cl. 88—1.)



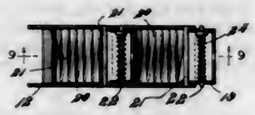
1. In an optical system for taking or reproducing photographic views of still or moving objects in their natural colors comprising in combination a casing, primary object lens mounted in the front part of the casing, means at the rear end of the casing for mounting a photographic plate, a plurality of secondary object lenses in the casing between the primary object lens and the plate, different colored screens in operative relation with each of the secondary object lenses and corresponding in color to the colors of the main object, a collective lens arranged in the casing between the primary and secondary lenses near the plane of formation of the primary image for deflecting the rays of light coming from the object lens toward the secondary lenses so that the rays will ultimately be impressed on the photographic plate in the form of a plurality of separate images corresponding to the number of secondary lenses, and the secondary lenses being arranged inside the luminous cone formed by the collective lens.

1,629,975. DEVICE FOR VAPORIZING UNATOMIZED FUEL. JOHN W. SMITH, Philadelphia, Pa. Filed July 26, 1921. Serial No. 487,811. 11 Claims. (Cl. 48—180.)



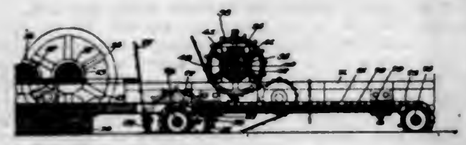
1. A vaporizing device in the form of a branched pipe connection, a sleeve conduit fitting in the connection having an apertured portion intermediate its ends, means for heating the device; an insert tubular element seating in the conduit and affording a main axial passage for the readily vaporized content of the admixture; and the aforesaid pipe connection providing a concentric relatively restricted annular passage exterior to the sleeve conduit wherein the unvaporized portion of the admixture is trapped and vaporized for commingling with the main flow beyond said outlet of the conduit aforesaid.

1,629,976. EXPANSIBLE BRACELET. JOHN SMITH, Jr., North Attleboro, Mass., assignor to J. J. Sommer & Co., a Firm comprising John J. Sommer and Edmond T. Sommer, North Attleboro, Mass., Copartners. Filed Mar. 20, 1926. Serial No. 96,184. 5 Claims. (Cl. 59—79.)



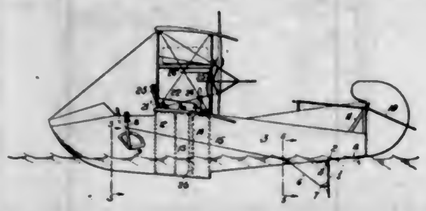
1. An extensible chain structure comprising a series of box links, a slide link in each box link, and a pin mounted in said slide link for free endways movement, the ends of said pin being detachably and pivotally connected to one end of the next adjacent box link and means for retaining said pin in position to connect the box link.

1,629,977. BLOCK-FEEDING MECHANISM FOR MATCH MACHINES. EUGENE SNYDER, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed July 3, 1926. Serial No. 120,260. 4 Claims. (Cl. 144—242.)



1. In block-feeding mechanism for match machines, the combination with block feed rolls, supporting and operating elements therefor, and a block-supply trough leading to said rolls, of block-impelling means including an endless conveyer having its active run extending longitudinally of the bottom of the trough, a transverse shaft overhanging the trough in advance of said rolls, a feed roll loosely mounted on said shaft, a frictional connection between said roll and shaft, means for concurrently driving said shaft and conveyer at a higher speed than the block-feed rolls, and means for yieldingly raising the active run of the conveyer and pressing the blocks into engaging relation with the frictionally connected feed roll.

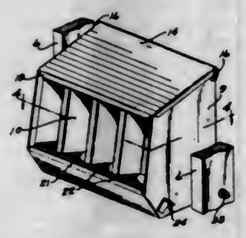
1,629,978. FLYING BOAT. LAWRENCE B. SPERRY, Massapequa, N. Y.; The Bank of America, New York, N. Y., and Winifred Allen Sperry, Hempstead, N. Y., executors of said Lawrence B. Sperry, deceased, assignors to Winifred Allen Sperry. Filed July 26, 1918. Serial No. 246,832. 6 Claims. (Cl. 244—2.)



1. A flying boat comprising a hull, rearwardly inclined aerial supporting surfaces attached to said hull, a vertical rudder for steering the same while in flight, and means attached to the rear part of said hull for causing said boat to turn into a position in which it may be driven forwardly by the wind when floating on the water.

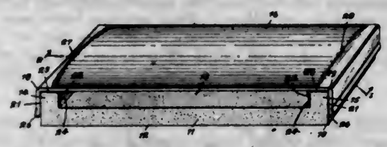
2. In a flying boat, a hull containing the aviator's seat and controls, aerial supporting surfaces, an engine, partitions in said hull for forming certain of the walls of a fuel container, said hull forming the remaining walls of said container, means connected with said container for elevating the fuel to said engine, a valve adjacent the bottom of said container, means for actuating said valve, and means for compressing air in said container for forcing the fuel out through said valve.

1,629,979. POULTRY-FEEDING DEVICE. EDWARD P. STEINBACK, Bloomington, Minn. Filed Mar. 24, 1926. Serial No. 96,980. 1 Claim. (Cl. 119—52.)



A feeding device comprising a box having a transverse vertically corrugated rearwardly inclined partition dividing said box into a storage compartment and a feeding compartment and affording a plurality of individual pockets opening into the feeding compartment, said feeding compartment being in the form of a trough below the bottom of said storage compartment, the bottom of said storage compartment being inclined and arranged to discharge into the feeding compartment, and a rail at the front ridges of said partition and spaced from the front wall of the feeding compartment.

1,629,980. RAZOR HONE AND STROP. WALTER M. TIETZ, Newark, N. J. Filed Apr. 27, 1925. Serial No. 26,098. 2 Claims. (Cl. 51—181.)



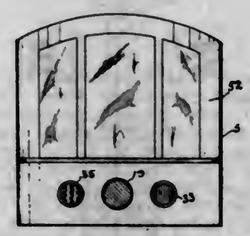
1. A razor hone and strop, comprising a relatively flat substantially rectangular honing stone having spaced stone flanges protruding from one of its faces, a honing strap disposed upon the free edges of the flanges and extending across the space therebetween in spaced relation to the stone, and means under the end portions of the strap removably fastening it to the flanges and transversely curving the central portion of the strap between its lengthwise edges away from the stone.

1,629,981. GOLF TEE. EARL P. WEBSTER, Niagara Falls, N. Y. Filed July 24, 1926. Serial No. 124,577. 8 Claims. (Cl. 273—33.)



1. A tee for use in golf comprising a prong having a flat face, a tongue formed as an extension of said face and bent at an angle thereto, this tongue lying wholly at one side of the axis of said face and forming a support for the golf ball, and wings extending from the edges of said face, these wings being bent toward each other to a position beneath said tongue and serving to reinforce the said flat face.

1,629,982. AUTOMATIC SIGNAL. WILLIAM E. WULFHORST, Cincinnati, Ohio. Filed July 1, 1924. Serial No. 723,493. 6 Claims. (Cl. 177—352.)



6. In a car, a plurality of signal lamps of different colors, a press button in said car, means adapted to automatically extinguish one of said lamps when said button is pressed and to automatically light another of said lamps and means adapted to automatically extinguish said last lamp and light another of said lamps when the velocity of said car is slackened.

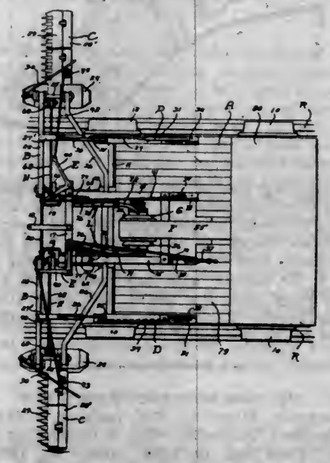
1,629,983. BELT FASTENER. LARS JOHAN ANDERSSON, Halmstad, Sweden. Filed Mar. 22, 1921. Serial No. 454,379. 4 Claims. (Cl. 24—37.)

3. In a belt fastener, in combination, a casing having a plate with an opening therein through which the ends of the belt are adapted to extend, said casing also having a spaced plate, a friction plate interposed between



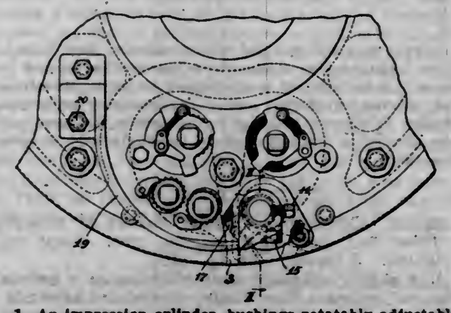
said first mentioned plate and said spaced plate, and a rib on said friction plate adapted to engage adjacent ends of the belt.

1,629,984. RAILWAY MOWER. WALTER S. ANDREWS, Eustis, Nebr., assignor of one-half to Charlie N. Johnston, Curtis, Nebr., and one-fourth to Carl W. Johnston, Taft, Calif. Filed Feb. 1, 1926. Serial No. 85,285. 5 Claims. (Cl. 56—232.)



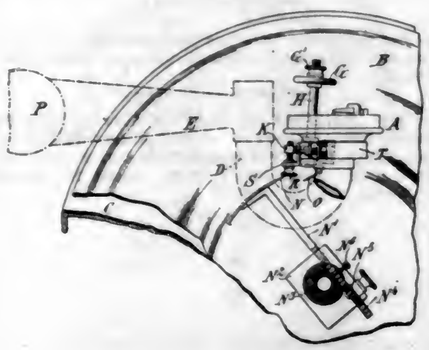
1. In a railway mower, a track car embodying longitudinally extending supporting beams arranged in parallel spaced relation at the longitudinal center of the car and at a substantial distance inwardly of the track wheels of the car, mower riggings pivotally supported at their inner ends upon the beams and extending laterally to each side of the car forwardly of the front wheels of the car, and a mower unit pivotally connected to the outer end of each mower rigging.

1,629,985. TYMPAN CLAMP. HOWARD M. BARBER, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a Corporation of Delaware. Filed Nov. 13, 1925. Serial No. 68,821. 5 Claims. (Cl. 101—415.1.)



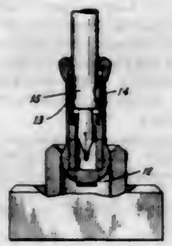
1. An impression cylinder, bushings rotatably adjustable therein, a tympan clamp having trunnions eccentrically mounted in said bushings, lock plates carried by the bushings and means for locking the plates and thereby the bushings in their operative positions.

1,629,986. REPEATING MECHANISM FOR TALKING MACHINES. SUMTER B. BATTEY and BRYAN M. BATTEY, New York, N. Y. Filed Dec. 5, 1919. Serial No. 342,790. 6 Claims. (Cl. 274—15.)



4. A repeating mechanism for talking machines comprising a frictional wheel, a shaft therefor, means for connecting the shaft to the sound box and comprising a hinge member adapted in one position to hold the wheel out of contact with the record, and in another position to hold it in contact with the record, and actuating means rotating with the record and cooperating with said hinge member to bring the wheel into contact with the record to lift the sound box.

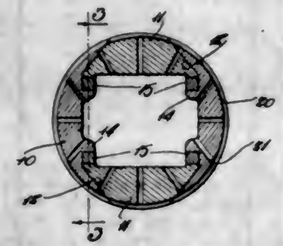
1,629,987. HOLDER FOR FOUNTAIN PENS. HORACE L. BLACKMAN, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a Corporation of Wisconsin. Filed Aug. 19, 1926. Serial No. 130,115. 9 Claims. (Cl. 120—108.)



1. In a desk set provided with a ball and socket joint, a pen holding device, comprising a base portion secured to the ball, a plurality of spring fingers extending therefrom and curving outwardly, and a pen receiving receptacle adapted to fit over the fingers and engage the base portion secured to the ball, and be yieldingly held in position thereon.

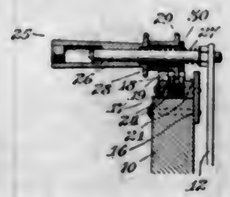
1,629,988. EXPANSION PISTON. GEORGE W. BOOKSH, Grosse Tete, La. Filed Oct. 20, 1926. Serial No. 142,937. 5 Claims. (Cl. 74—108.)

1. A piston including a body consisting of a pair of side wall segments diametrically opposed and having inside edge surfaces inclined on each segment towards the corresponding surfaces of the other segment, said body having wedge wall segments each fitted between a corresponding pair of said inclined surfaces and dovetailed thereto, said side wall segments having lugs thereon spaced from the lateral inner edge portions of the edge wall segments, wedges extending longitudinally of the piston between said lugs and lateral edge portions, and means



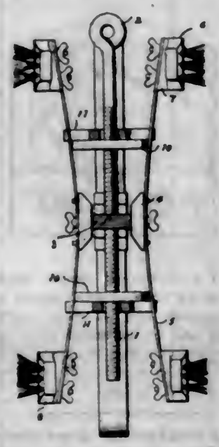
to adjust said wedges longitudinally and thereby force the wedge wall segments apart whereby to spring the edge portions of the side wall segments outwardly.

1,629,989. REVERSE CONTROL FOR MOTORS. MAX BROWN, Chicago, Ill. Filed Aug. 22, 1925. Serial No. 51,885. 4 Claims. (Cl. 74—39.)



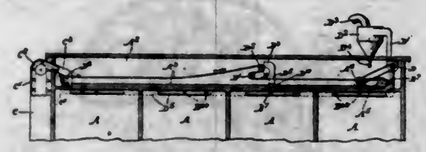
1. In a reverse control for motors, the combination with the control box and lever, of an independently movable operating handle carried by the lever, and a guide plate disposed on the box including means for interrupting the continuous movement of the lever and yieldingly locking it in neutral position against accidental displacement in all directions.

1,629,990. ADJUSTABLE CHIMNEY CLEANER. FERDINAND BUCHHOLTZ, Jim Falls, Wis. Filed June 30, 1926. Serial No. 119,709. 2 Claims. (Cl. 15—162.)



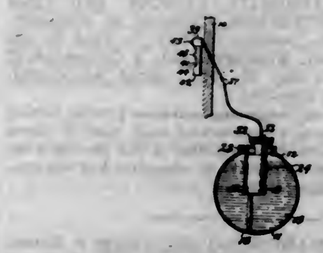
1. In combination a threaded rod, a spider mounted upon the rod intermediate its ends, flat springs attached to opposite sides of the spider, cleaning elements at the outer ends of the springs, intermediate flat springs attached to opposite sides of the spider, the one having its ends recurved and the other provided with cleaning elements, a spreader threaded upon the rod and engaging the first mentioned springs and an auxiliary spreader loose upon the rod and adjustable with the spreader threaded to the rod and adapted to adjust the said intermediate springs.

1,629,991. BIN-FLOOR DUST-COLLECTING SYSTEM FOR GRAIN ELEVATORS AND THE LIKE. THOMAS D. BUDD and WILLIAM R. SINKS, Chicago, Ill. Filed Jan. 15, 1925. Serial No. 2,499. 13 Claims. (Cl. 209—147.)



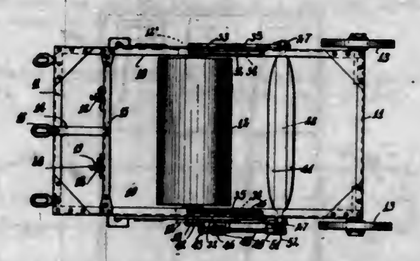
1. In a grain elevator, a bin having a closed apertured top, means for discharging grain through said aperture and means operative in unison with the grain discharging means, for withdrawing the dust laden air from the bin and for separating the dust from such dust laden air.

1,629,992. LIQUID GAUGE. ALICK L. CARTER, Kenmore, N. Y., assignor, by mesne assignments, to The Grolan Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 6, 1922. Serial No. 541,268. 3 Claims. (Cl. 73—54.)



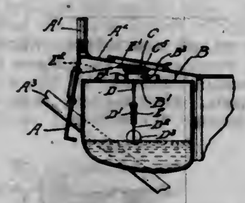
1. A liquid level gauge comprising a primary liquid chamber to receive liquid, said chamber being closed at its upper end to form an air cushion above the level of liquid, a secondary liquid chamber having its lower end flush with the lower end of the primary chamber and its upper end extending above the upper end of the primary chamber and communicating with the atmosphere and having its lower part communicating with and receiving liquid from the lower part of said primary chamber, a primary transmitting tube passing through the bottom of said primary chamber and adapted to project with its lower end into the body of liquid to be gauged and having its upper end engaging the top of the primary chamber and provided with an opening whereby the upper ends of the primary tube and chamber are in constant communication, a secondary air transmitting tubular connection having an open lower end projecting downwardly into the upper part of said secondary liquid chamber and having a downwardly projecting open upper end, and a transparent tubular body surrounding the open upper end of said secondary transmitting tubular connection and having a closed lower end and adapted to contain an indicating liquid and communicating at its upper end with the atmosphere.

1,629,993. SUGAR-BEET-HARVESTING MACHINE. HELIODORO CHAVEZ, Toledo, Ohio. Filed Apr. 22, 1926. Serial No. 103,751. 2 Claims. (Cl. 55—107.)



1. A device of the class described comprising a main supporting frame, a roller having an axle thereof journaled in said supporting frame, a bevel gear attached to said axle, an adjustable frame mounted on said main supporting frame having horizontal arms thereon, a rod journally mounted at one end on one of said horizontal arms and supported at its upper portion by attachment to said supporting frame, a cutting member journaled on the ends of said horizontal arms; a worm on the lower end of said rod, a worm wheel secured to said cutting member adapted to be driven by said worm for rotating said cutting member, a pinion journally mounted on said main frame meshing with said bevel gear adapted to be rotated thereby when said roller is turned, and clutch mechanism connected with said pinion and with said rod for transmitting motion from said pinion to said cutting member, said cutting member being rotatable to various inclinations for suitably positioning a blade therein.

1,629,994. GASOLINE GAUGE. HAROLD M. COOPER, Marshalltown, Iowa. Filed Apr. 5, 1926. Serial No. 99,726. 6 Claims. (Cl. 73—82.)

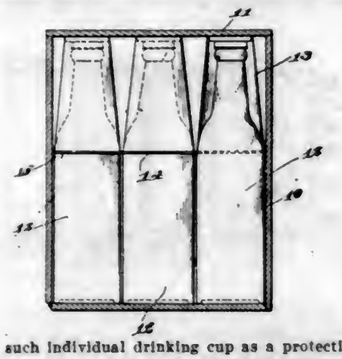


1. A dash gasoline gauge for automobiles, adapted to indicate the level of fuel in the gas tank thereof, comprising a gauge member on the dash board, an indicator member movable in relation thereto, a removable closure for said tank, a float lever support downwardly depending therefrom, a float lever pivoted to said support, a float on said lever and a flexible connection between said lever and said indicating member, said float lever support being axially apertured to permit the passage therethrough of said flexible connection, said support being provided at its lower end with an off-set portion to which the float lever is pivoted, the inner end of the float lever, to which the flexible connection is secured, being aligned with the apertured portion of said support.

1,629,995. METHOD OF PACKAGING BREAKABLE ARTICLES. JOHN H. COUGHLIN, Clinton, Mass. Filed Apr. 16, 1924. Serial No. 706,849. 1 Claim. (Cl. 206—65.)

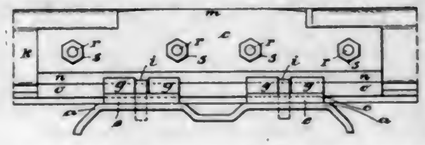
That improvement in the art of packaging breakable articles which consists in utilizing a container adapted to hold a predetermined number of bottles in ranked

formation, fitting each bottle with an individual drinking cup to enclose and protect the mouth of such bottle, and



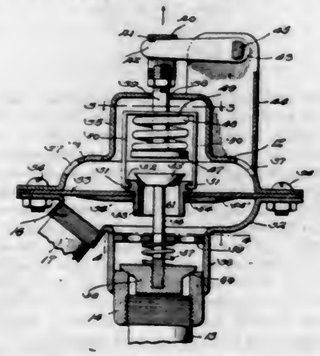
utilizing such individual drinking cup as a protecting and separating device to hold each individual bottle separate and out of actual contact with adjacent bottles.

1,629,996. RAIL-BUTT CONNECTION WITH FISH-PLATE. HEINRICH DEIDERS, Helmstedt, Germany. Filed Jan. 21, 1925, Serial No. 3,750, and in Germany Jan. 5, 1923. 5 Claims. (Cl. 238—210.)



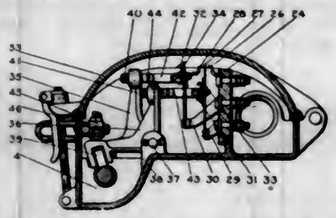
1. In a rail-butt connection, a base plate having a hook on its upper side and an L-shaped fish plate having an extension on its vertical leg flush with the top surface of the rail, the horizontal leg of the fish plate having a rounded rib on its outer edge pivotally engaging said hook.

1,629,997. AIR BRAKE FOR MOTOR VEHICLES. DORSEY G. DUTY, Pennsboro, W. Va., assignor to The Duty Air Brake Company, Janelew, W. Va., a Corporation of West Virginia. Filed Oct. 23, 1924. Serial No. 745,384. 2 Claims. (Cl. 303—54.)



1. A control valve for braking systems of the class described composed of a casing divided by a diaphragm, one side of the casing being opened to the atmosphere and the other side with passages communicating with several units of the system, a valve seat upon one side of the diaphragm and in alignment with one of said passages, a valve stem passing through said seat and provided with a head for closing the same, a head upon the other end of the stem for closing the aligned passage within said casing, means connected to the valve seat for moving said diaphragm within said casing, and said diaphragm adapted during its movement to cause said valve to close the seat carried thereby and the aligned passage at different periods.

1,629,998. SWITCH CIRCUIT CONTROLLER. OSCAR S. FIELD, Roselle, N. J., assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 4, 1924. Serial No. 696,839. 3 Claims. (Cl. 200—5.)

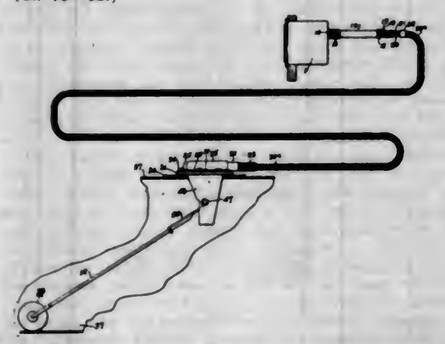


2. A switch circuit controller comprising a case, an insulating contact carrying member in said case, contacts carried by said insulating member, some of which are fixed and others of which are movable, a sliding member for operating said contacts, rocker arms provided with rollers adapted to engage said sliding member, means for mechanically connecting said rocker arms to said movable contacts, formations on said sliding member whereby upon movement of the same said rocker arms are caused to operate the contacts selectively in accordance with the direction of movement of the sliding member and means whereby said contacts can not be operated unless others of said contacts have properly functioned.

1,629,999. LOW-VISCOSITY LACQUER AND FILM PRODUCED THEREFROM. EDMUND M. FLAHERTY, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed May 23, 1921. Serial No. 471,931. 16 Claims. (Cl. 134—79.)

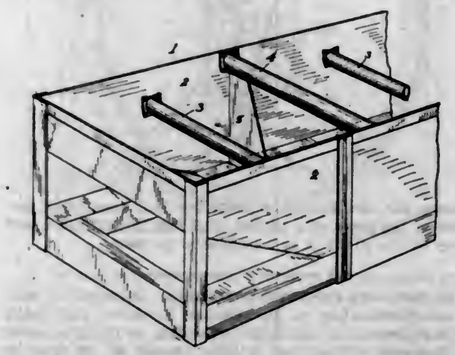
13. A composition comprising cellulose nitrate having an inherent viscosity characteristic such that at above 20% concentration in mixed solution it will provide a solution below 25,000 centipoises in viscosity, and comprising also a resin and a solvent.

1,630,000. LIQUID-LEVEL GAUGE. WALTER N. FRANK, Dayton, Ohio, assignor to The Grolan Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 7, 1924. Serial No. 691,222. 14 Claims. (Cl. 73—82.)



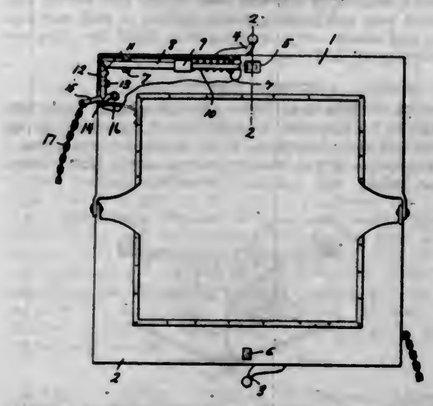
1. In a liquid level gauge, a tank, an indicator, a communicating means connected to said indicator, a float and float arm, an inclosing bracket mounted in said tank, means to mount said float arm in said bracket, means connecting said float arm and communicating means, a part of said connecting means being inclosed by said bracket, means to guide and protect said communicating means, means to inclose one end of the communicating means and the upper end of the connecting means at their point of union, whereby tampering with said communicating means and said connecting means is prevented.

1,630,001. CAR CONSTRUCTION. KENNETH C. GARDNER, Greenville, Pa., assignor to The Greenville Steel Car Company, Greenville, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1927. Serial No. 160,615. 11 Claims. (Cl. 105—406.)



1. An article of the character described, comprising an elongated sheet metal member formed with an edge of substantially semi-circular cross section and having substantially flat side portions over the greater portion of its length approaching each other at their lower edges, flanges formed at the respective ends of said member and means for securing said member to opposite parts of a structure to be supported.

1,630,002. POCKETBOOK-FASTENING DEVICE. DAVID N. GRAY, Pittsburgh, Pa. Filed July 26, 1926. Serial No. 125,025. 2 Claims. (Cl. 292—164.)



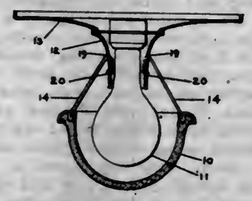
1. In a pocketbook fastening device of the class described, in combination, a pair of hingedly connected frame sections, one of which is provided with an opening, a keeper carried by the other section and cooperable with said opening, a sliding locking pin carried by the first named section and adapted for reception in said keeper, a spring for moving the pin in a direction to disengage it from the keeper, a pivotally mounted lever carried by said first named section, the carrying chain being adapted to be connected with said lever, and means controlled by said lever for moving said pin in a direction against the action of said spring.

1,630,003. PONTOON. IZYDOR GREBOWIEC, Homestead, Pa. Filed Oct. 15, 1926. Serial No. 141,837. 3 Claims. (Cl. 114—53.)



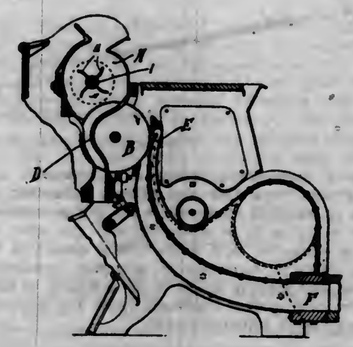
1. A pontoon of the class described including a hollow body, a piston slidable in the body, said body provided at one end with an opening and a closure therefor so that powder may be stored therein, buffer means at the other open end of the pontoon and catch means at said last-mentioned end.

1,630,004. BOWL-SUPPORTING MEANS FOR LIGHTING FIXTURES. EDWIN F. GUTH, St. Louis, Mo. Filed Oct. 10, 1925. Serial No. 61,637. 6 Claims. (Cl. 240—149.)



1. A bowl supporting means for lighting fixtures, comprising a plurality of supporting members formed with hooks on each end; a shoulder on the lower hook, faced toward the inturned end of the hook; grooves in the bowl to receive the lower hooked members of the supports; means to attach the upper hooks to the fixture.

1,630,005. GIN. NELSON B. HENRY, Atlanta, Ga. Filed Mar. 3, 1926. Serial No. 92,035. 2 Claims. (Cl. 19—55.)



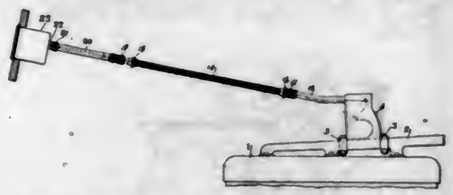
1. In a gin, in combination, a roll box; a saw cylinder and ginning ribs, all as usual; bearings in the end walls of the roll box; an integrator shaft having projecting fingers and end bearing-pivots, projecting into and closely fitting the end wall bearings and supported by the bearings for rotation in a fixed axial line along the length of the roll box, without contact of the roll with the roll box.

1,630,006. DEVICE FOR APPLYING TIRE CHAINS. JACOB F. HERRING, Staunton, Va., assignor of one-half to William Spector, Staunton, Va. Filed July 14, 1926. Serial No. 122,407. 13 Claims. (Cl. 152—14.)



8. In a skid chain applying device, a yoke, wheel-gripping means carried by said yoke and adapted cooperably to grip a wheel from opposite sides, said wheel-gripping means including normally retracted spurs projectable into engagement with the wheel, means for biasing said wheel-gripping means toward said wheel, means co-acting with said yoke for normally maintaining said wheel-gripping means away from said wheel against the tension of said biasing means, a skid chain, forward and rearward hooks attached to said skid chain, said forward hooks being carried by said wheel gripping means, means operable at will for presenting said wheel-gripping means operatively to the wheel, first tire-actuated means for simultaneously releasing the means that inhibits the action of said biasing means, and positively projecting said spurs into engagement with said wheel, second tire actuated means operative sequentially of said first tire actuated means for releasing said wheel-gripping means from said presenting means, means detachably holding the rearward chain hooks, yieldably resisting the paying out of said chain upon said wheel through rotation thereof, said forward and rearward hooks interlocking upon completion of one revolution of said wheel-gripping means with said wheel, said rearward hook holding means being constructed to release said rearward hooks through pull of said skid chain immediately upon completion of the interlocking act of said forward and rearward hooks.

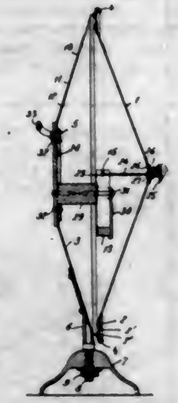
1,630,007. TEMPERATURE INDICATOR. REUBEN HILL, West Hartford, Conn., assignor to The Grolan Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 14, 1925. Serial No. 69,185. 6 Claims. (Cl. 73—118.)



1. In a temperature measuring instrument, a contracting and expanding temperature actuating means one end of which is connected to the means the temperature of which is to be measured, and the other end of which is connected to a lever, a wire connected thereto and an indicator connected to said wire remotely from the lever, and yielding means in the indicator to maintain said wire taut and to yieldingly resist the movement of the temperature actuated means.

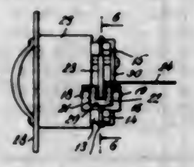
1,630,008. CONE-TYPE LOUD SPEAKER. MARCUS C. HOPKINS, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Hopkins Corporation, a Corporation of Delaware. Filed June 1, 1925. Serial No. 34,255. 26 Claims. (Cl. 181—31.)

1. A loud speaker comprising a large conical vibratory diaphragm made of light weight and stiff fibrous material with a relatively narrow peripheral portion formed by at least one forwardly projecting reverse bend disposed at an oblique angle to the axis of the cone, and supporting



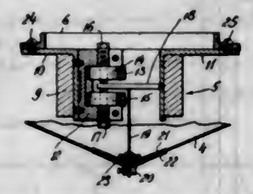
means for the diaphragm engaging said peripheral portion in the plane of a reverse bend and throughout a part only of the width of said peripheral portion.

1,630,009. TRANSLATING DEVICE. MARCUS C. HOPKINS, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Hopkins Corporation, a Corporation of Delaware. Filed June 6, 1925. Serial No. 35,425. 15 Claims. (Cl. 179—108.)



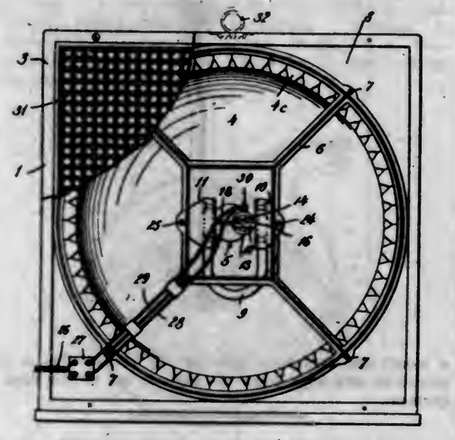
1. In a translating device, the combination of a permanent magnet, a resilient reed supported at one end by a pole of said magnet and polarized thereby, two poles of a speech magnet on opposite sides of the free end of said resilient reed and between which the end of said reed projects, and means for translating into sound the vibratory movements of said reed.

1,630,010. ELECTRICAL TRANSLATING DEVICE. MARCUS C. HOPKINS, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Hopkins Corporation, a Corporation of Delaware. Filed June 11, 1925. Serial No. 36,562. 20 Claims. (Cl. 179—108.)



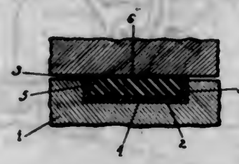
1. In a translating device, the combination of a magnet, a face plate for one pole of said magnet, a polarized reed supported by said face plate and disposed substantially at right angles thereto, a speech winding operatively positioned to flex said reed, and means connected to said reed intermediate its ends for translating into sound the movements of said reed.

1,630,011. LOUD SPEAKER. MARCUS C. HOPKINS, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Hopkins Corporation, a Corporation of Delaware. Filed June 11, 1925. Serial No. 36,563. 15 Claims. (Cl. 181—81.)



1. In a translating device, a conical fibrous sound producing diaphragm tensioned radially, and a support, said diaphragm having a rim secured to said support for a part only of its width and flexibly connecting the diaphragm to the support to give the cone relative freedom for axial movement.

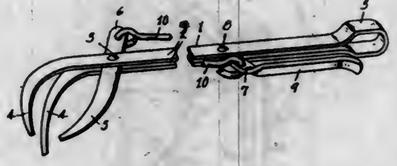
1,630,012. ART OF ATTACHING RUBBER-SEAL RINGS IN METAL CONTAINERS. ELY C. HUTCHINSON, Oakland, Calif., assignor to The Pelton Water Wheel Co., San Francisco, Calif., a Corporation of California. Filed Aug. 25, 1925. Serial No. 52,371. 2 Claims. (Cl. 286—7.)



1. In a hydraulic turbine comprising relatively moving parts positioned with cooperating surfaces in opposing relation and one surface provided with a continuous groove, the combination with a sealing ring construction within said groove and comprising a nonmetallic elastic flexible body projecting beyond the edge of the groove into close proximity to the opposing surface, and a one piece nonmetallic channel shaped body mounting said flexible body and within which said flexible body is vulcanized, said channel shaped body disposed with its side walls extending outwardly from said groove beyond the surface of the grooved part and in contact with the side walls of the flexible body for reinforcing the same, said channel shaped body being rigidly and permanently seated within said groove.

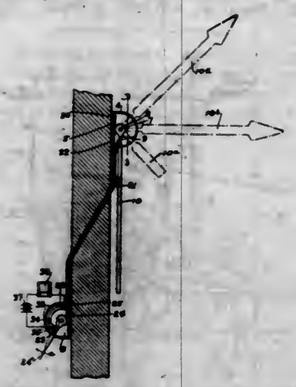
1,630,013. TONGS. CHARLES D. HYATT, Coldwater, Mich., assignor to Homer Furnace Company, Coldwater, Mich. Filed Mar. 13, 1926. Serial No. 94,558. 2 Claims. (Cl. 294—11.)

1. In a pair of tongs, the combination of a handle comprising a pair of bars disposed in spaced parallel relation and terminating in curved diverging fixed jaws, said bars being united at their outer ends by a loop providing a hand grip, a coacting movable jaw pivoted between said bars in opposed relation to said fixed jaws with its upper end projecting above the handle, an actuating lever pivotally mounted between the said bars adjacent their



outer ends and having a hand-piece opposed to said grip portion of said handle, and a link connecting the upper end of said swinging jaw to said lever, said link being disposed between said bars.

1,630,014. DIRECTION INDICATOR. CHARLES H. JOHNSON, Sacramento, Calif. Filed Apr. 14, 1926. Serial No. 101,851. 3 Claims. (Cl. 116—47.)

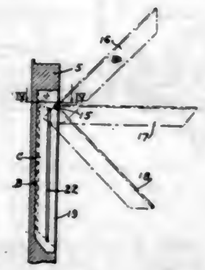


1. In a direction indicator of the character described, a casing comprising a pair of parallel, interspaced plates, an arm pivoted at one end on a horizontal axis between said plates, means for swinging said arm about the horizontal axis to assume different signalling positions, a collar on the arm, a lug on one of the side plates and a lug on the collar engageable with the side plate lug to rotate the arm one-quarter revolution upon its longitudinal axis, said collar engaging the inner faces of the casing plates and normally securing the arm against turning movement upon its longitudinal axis.

1,630,015. DIRECTION INDICATOR. CHARLES H. JOHNSON, Sacramento, Calif. Filed Sept. 16, 1926. Serial No. 135,719. 2 Claims. (Cl. 116—52.)

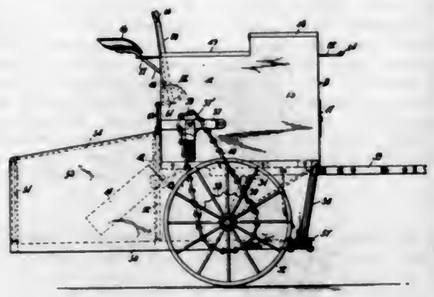
1. The combination with a door of an automobile, said door having an elongated slot formed in its outer surface, of a housing adapted to be inserted in the slot, said housing extending from end to end of the slot and being U-shaped in cross section, a pair of face flanges on the housing, one on each side thereof and extending from end to end of the slot, said flanges adapted to lie flush with the outer surface of the door, means whereby the housing is secured in the slot, said housing being open in its outer surface from end to end, an arm pivoted at its upper end in the housing and adapted to be swung into

and out of the housing, a cover plate on the arm forming a closure for the housing when the arm is swung into the housing, said face flanges being recessed to receive the



cover plate and thereby permitting the cover plate to lie flush with the face flanges in the upper surface of the door.

1,630,016. BOLL-WEEVIL EXTERMINATOR. JOHN W. KISSELBURG, Purcell, Okla., assignor of one-half to Lafayette A. Reeves, Pauls Valley, Okla. Filed Oct. 26, 1923. Serial No. 670,928. 1 Claim. (Cl 43—128.)



In a device of the class described, a vehicle having a platform, a bracket depending from the forward end of said vehicle and having its ends out turned and disposed horizontally and relatively close to the ground, side bars disposed beneath said vehicle and hingedly connected at their forward ends to said out turned portions of the bracket, a pair of yoke members arranged in inverted position in spaced relation beyond the rear of said vehicle and having their lower ends secured to said side members, a rod connecting the upper portions of said yoke members together, a hood supported by said yoke members and rod, aprons depending from the sides of said vehicle and secured at their lower ends to said side bars, a lever on said vehicle, a connection between said lever and one of said yokes, and fume producing apparatus on said vehicle to direct fumes into the forward end of said hood.

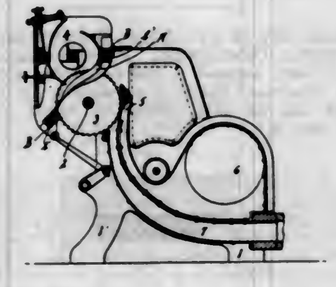
1,630,017. CLOTHESPIN. JOHN LARSON, Littlefork, Minn. Filed Sept. 21, 1925. Serial No. 57,685. 1 Claim. (Cl. 24—139.)

A clothes pin formed of a single piece of resilient material comprising a pair of spaced non-crossed side members forming elongated jaws adapted to come together upon the garment, a loop connecting said side members and receiving the garment and the clothes line, and an enlarged hook at the end of one of said side members, the free end of said hook being contiguous to the other side member and forming jaws together therewith, the bite of said jaws being in spaced relation to the aforesaid elongated jaws, the entire space between said jaws forming



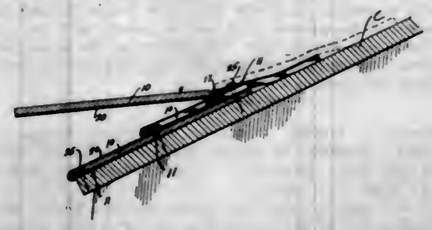
a mouth for said hook whereby the clothes line is admitted to said hook when the same is not in use upon a garment.

1,630,018. RIB RAIL FOR COTTON GINS. ISAAC LEECH and THOMAS HERBERT BRADLEY, Oldham, England, assignors, by mesne assignments, to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Jan. 17, 1927. Serial No. 161,542. 3 Claims. (Cl. 19—62.)



1. In a cotton gin, cross rails for ginning rib support, slotted longitudinally to adjustably receive rib-securing bolts from the ribs, those bolts, to clamp the several ribs in adjusted position along the rails.

1,630,019. SHINGLES AND ROOFING. FRANK P. LEONARD, Troy, N. Y. Filed Dec. 5, 1925. Serial No. 73,410. 8 Claims. (Cl. 108—7.)



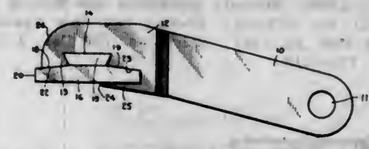
1. As an article of manufacture roof covering comprising integral body and attaching portions of flexible material having directly opposed grooves at opposite sides thereof extending along the juncture of the attaching and body portions to provide a reduced hinge joint thereat.

1,630,020. AUTOMATIC GOVERNING DEVICE FOR FLUID-DISPLACEMENT METERS. THOMAS J. LOFTUS, Castella, Calif., assignor of one-half to Harmon Bell, Oakland, Calif. Filed Oct. 7, 1925. Serial No. 60,977. 6 Claims. (Cl. 73—37.)



1. A variable speed and discharge fluid meter comprising a housing, a movable measuring member mounted therein, a valve within the housing regulating the amount of fluid delivered to the measuring member, and means actuated by the speed of the measuring member for automatically changing the position of the valve with relation to said member to vary the amount of liquid delivered to the measuring member in inverse ratio to the speed of the measuring member.

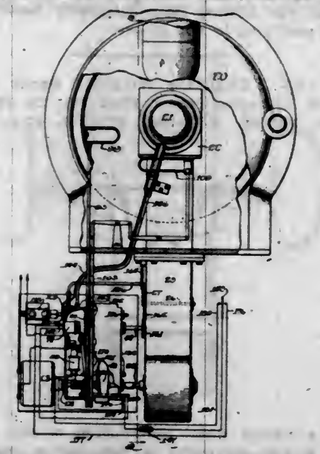
1,630,021. CENTRIFUGAL HAMMER. GEORGE P. LUCAS, Jersey City, N. J. Filed Aug. 1, 1924. Serial No. 729,464. 2 Claims. (Cl. 83—11.)



1. A hammer for a centrifugal mill comprising a shank portion provided at one end with an opening for suspension, the opposite end of said shank being enlarged in at least two dimensions, said enlarged end portion having a recess bounded on its opposite faces by wedge-shaped walls, the median line of said recess extending transversely to the direction of length of said shank and a tip member comprising a body portion extending at its oppositely disposed ends to serve as tips and further comprising a wedge-shaped extension on one side of said body portion and disposed symmetrically relative to said tips, said wedge-shaped extension being arranged to be received within and retained by said oppositely disposed wedge-shaped walls.

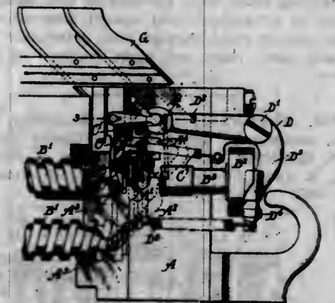
1,630,022. AUTOMATIC CONTROL FOR OIL BURNERS. FRANK A. LUNDQUIST, Chicago, Ill., assignor to New Process Burner Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 28, 1924. Serial No. 695,699 21 Claims. (Cl. 236—9.)

1. In a furnace control mechanism, a motor, a thermostat and connections for starting the motor into operation, devices moved by the motor for conveying oil to a point of combustion in the furnace, and means controlled by the thermostat for shutting off the supply of



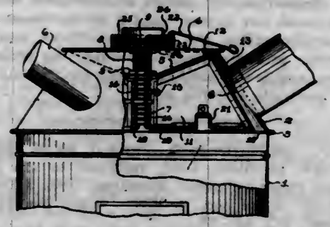
oil when room temperature rises above a predetermined point such shutting off being independent of the operation of the motor.

1,630,023. TYPOGRAPHICAL DISTRIBUTING MACHINE. JAMES G. MCNAMARA, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Mar. 15, 1926. Serial No. 94,657. 17 Claims. (Cl. 199—42.)



1. In a typographical distributing mechanism comprising a distributor bar and set of matrix conveying screws, the combination of guide means along which the matrices gravitate toward the screws, and an escapement device arranged to cooperate with the upper end of the matrices and acting solely to control their passage one at a time into position to be picked up by the screws.

1,630,024. HOT-AIR FURNACE. WILLIAM S. MARTIN, Rochester, N. Y. Filed Jan. 17, 1927. Serial No. 161,495. 7 Claims. (Cl. 126—105.)



1. In a furnace, an inwardly projecting flange near the top of the furnace, a bearing depending from the top

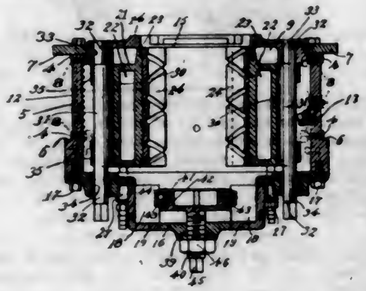
and formed with annular grooves, a plurality of partitions having outer edges resting on the inwardly projecting flange, and bearing rings detachably bolted to said partition and lying in said grooves.

1,630,025. TRACTOR WHEEL. HENRY STEPHEN OSTDIEK, Lawrence, Nebr. Filed Feb. 23, 1927. Serial No. 170,308. 2 Claims. (Cl. 301—52.)



2. In a tractor wheel construction of the class described, a hub comprising a tube having outstanding flanges at its opposite ends, a plurality of radiating circumferentially spaced yoke members, each yoke member being formed from a single strap of metal, a pair of outer rings, a pair of inner rings, the end portions of the bight of each yoke being fastened to the outer rings, the central portion being arched inwardly and fastened to the inner rings, the end portions of the straps being directed outwardly and bent upon themselves to provide anti-slipping lugs and attaching arms, the free ends of the attaching arms being fastened to said flanges, and a plurality of circumferentially spaced diagonally disposed traction bars of right angular form detachably connected with said outer rings and bight portions of said yoke members.

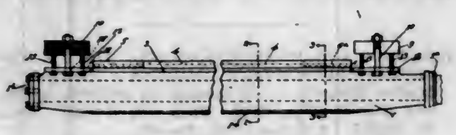
1,630,026. JOURNAL BOX. JOHN H. REEDY, Hamilton, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio, a Corporation of Ohio. Filed Aug. 8, 1924. Serial No. 730,799. 5 Claims. (Cl. 308—65.)



5. A journal for the spindle of a calender roll comprising a journal box having bearing blocks therein adjustable laterally within the box, said blocks being formed with water passages, means for supplying water to said passages, and a supporting member for the box provided with a vertically aligning guide.

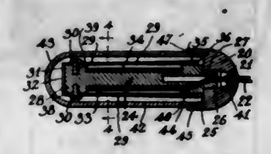
1,630,027. SUCTION BOX. JOHN H. REEDY and THOMAS A. CAPE, Hamilton, Ohio, assignors to The Champion Coated Paper Company, Hamilton, Ohio, a Corporation of Ohio. Filed Apr. 7, 1925. Serial No. 21,409. 10 Claims. (Cl. 92—51.)

1. A suction box for paper machines comprising a hollow casing, open at one end for attachment to a suction line, a lengthwise opening in said casing, and slidably mounted screen engaging means protecting said opening,



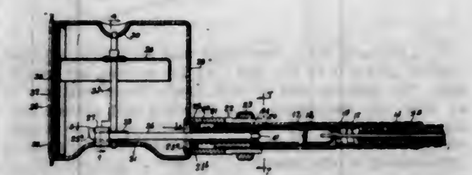
said screen engaging means having slideways at the ends thereof, and passage closing means slidable in said slideways.

1,630,028. EAR PHONE. DR ELBERT A. REYNOLDS, Yonkers, N. Y. Filed Jan. 15, 1925. Serial No. 2,555. 12 Claims. (Cl. 179—107.)



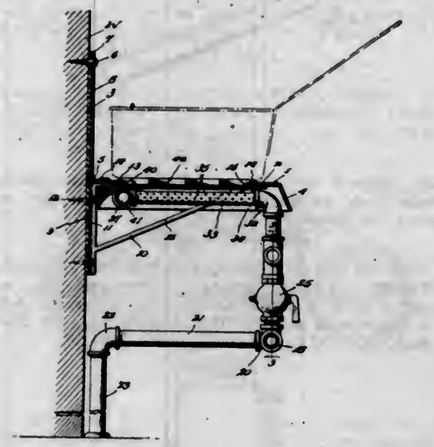
1. In a telephone receiver for partially deaf persons, a container for insertion within the ear cavity and electrically operated means for vibrating said container to thereby effect audition by the user by contact of said container with an inner portion of the ear of the user, said vibrating means comprising a plurality of vibrating elements disposed within said container and electromagnetic means for vibrating said vibrating elements.

1,630,029. LIQUID-LEVEL INDICATOR. EDWARD V. RIPPINGILLE, Detroit, Mich., assignor to The Grolan Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Nov. 8, 1923, Serial No. 673,403. Divided and this application filed June 16, 1924. Serial No. 720,178. 1 Claim. (Cl. 116—118.)



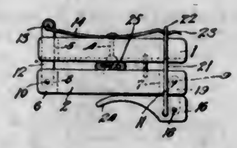
In a gauge equipment, an indicator consisting of an open-ended housing, a shaft journalled therein, an indicator drum on said shaft, means for closing the open end of the housing and constructed to expose a portion of said drum to render readings on the drum visible, a rack, means struck up from said housing wall to guide and support said rack, a split tube carried by said housing into which one end of said rack projects, spring means put under tension when said rack is moved in one direction, whereby the rack may return to its initial position when the tension of the spring means is released, and means on said shaft for operatively engaging with said rack.

1,630,030. GAS COOKSTOVE. BRAXTON F. RODGERS, Dallas, Tex. Filed Nov. 10, 1925. Serial No. 68,216. 2 Claims. (Cl. 26—39.)



1. A cook stove comprising a utensil supporting plate having a burner opening therein, a horizontally disposed U-shaped burner disposed below the opening, a back plate integral with the supporting plate for attachment to a wall, and hooks secured to the supporting plate and engaged with the bight portion of the burner.

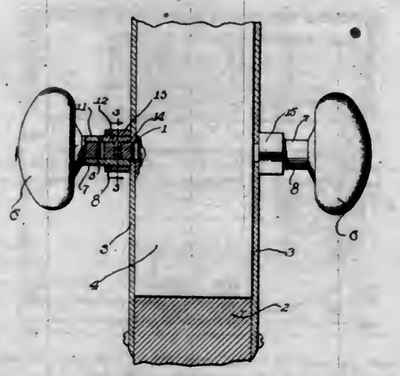
1,630,031. UMBILICAL-CORD CLAMP. SAMUEL LYLE ROGERS, Washington, D. C. Filed Apr. 19, 1926. Serial No. 103,087. 3 Claims. (Cl. 128—346.)



1. An umbilical cord clamp provided with a lever spring swung from a shackle at one end and yoke at other, and said yoke exerting tension on the spring by its eccentric pivot action through a single lever hinged to one of the compression jaws.

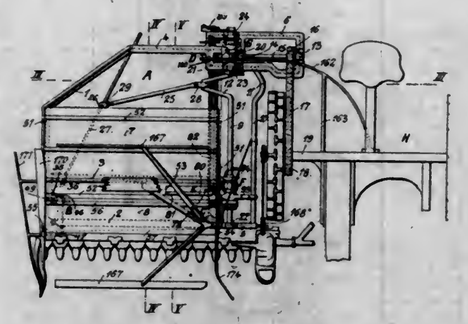
1,630,032. DOORKNOB. CHARLES F. ROOD, Sutherlin, Oreg. Filed June 29, 1926. Serial No. 119,499. 1 Claim. (Cl. 292—352.)

A device of the character described comprising a spindle, a handle including a threaded shank formed with a socket open along one side and at its outer end, said spindle being fitted into said socket, a filler removably fitted into the open side of said socket, and interlocked with the spindle to prevent movement longitudinally thereof, said filler having threads forming a continuation of the threads of the shank, and a securing nut



screwed upon said shank and filler to hold the filler in place and retain said handle in engagement with said spindle.

1,630,033. MOWING AND REAPING MACHINE. JOHANNES RUDLAND, Nordre Fron, Gudbrandsdalen, Norway, assignor to Interessentskapet Johs. Rudlands Selvbinder, Lillehammer, Norway. Filed Feb. 15, 1924, Serial No. 693,089, and in Norway July 15, 1922. 21 Claims. (Cl. 56—178.)

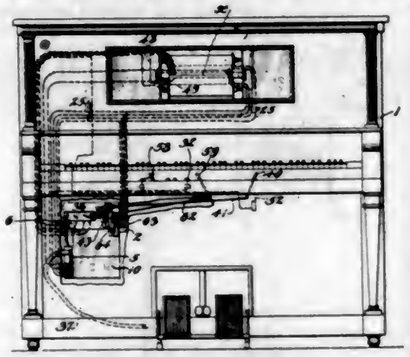


1. The combination with a mowing machine, including a finger bar, of an auxiliary frame suspended from the mowing machine, a grain gathering mechanism movable on the auxiliary frame behind the finger bar, means for periodically arresting the movement of the cut straw into the path of the grain gathering mechanism, binding, knotting and ejecting mechanisms carried by the auxiliary frame, and means operable by the movement of the mowing machine for actuating the above named mechanisms.

1,630,034. AUTOMATIC PLAYING INSTRUMENT. JOHN T. RYDBERG, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Supreme Player Action Corporation, a Corporation of New Jersey. Filed June 18, 1921. Serial No. 478,691. 17 Claims. (Cl. 84—24.)

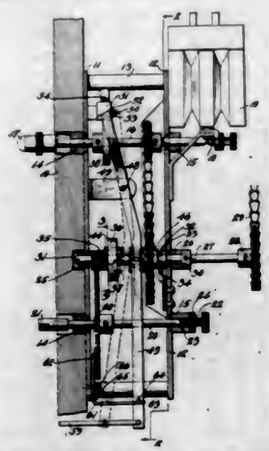
1. In controlling mechanism for instruments of the class described having a suction device and a player action, the combination with a direct passage between the suction device and the player action having a valve

port therein to admit atmosphere directly into said passage and a valve therefor normally closed, of means connected to said valve and operable by the normal tension



in said passage to effect venting of the port to thereby immediately vary the effective operation of the player action.

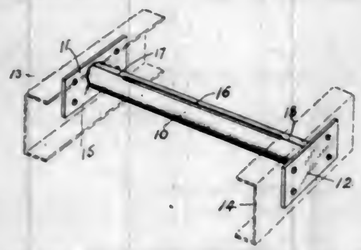
1,630,035. TRANSMISSION MECHANISM FOR PLAYER ACTIONS. JOHN T. RYDBERG, Harrison, N. J., assignor, by direct and mesne assignments, to Supreme Player Action Corporation, a Corporation of New Jersey. Filed Mar. 11, 1924. Serial No. 698,442. 5 Claims. (Cl. 84—126.)



1. In a mechanism of the class described, a power shaft, driving shafts for independent rolls, transmission means on said power shaft operatively connected to said driving shafts, an overrunning clutch device shiftable upon the power shaft to engage either transmission means, and a member upon said means to yieldingly engage the face of said clutch to permit feeding of a roll independent of the power shaft when in driving relation.

1,630,036. FLEXIBLE AUTOMOBILE FRAME AND TUBULAR CROSSBAR THEREFOR. LLOYD RAYMOND SMITH, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed May 11, 1923. Serial No. 638,415. 3 Claims. (Cl. 280—106.)

1. In a vehicle frame, the combination of channel side bars, and a tubular cross bar extended between and connected to the same, the said cross bar being provided with integral end plates entered in the said channels, the line of shearing strain between the cross bar and its end plates having a length equal to the circumference of the cross bar, and the tubular cross bar provided with a longitudinally extending open section intermediate its



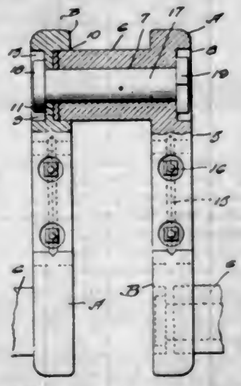
ends, whereby the stresses incident to the torsional strains upon the frame are absorbed in such open section of the tube.

1,630,037. ELECTRICALLY-WELDED BUBBLE TOWER. RICHARD STRESAU, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Aug. 12, 1925. Serial No. 49,719. 6 Claims. (Cl. 219—10.)



1. In a bubble tower, a plurality of tubular sections arranged end to end and transversely arranged interior shelves in the line of the meeting ends of the tubular sections, and welded at such meeting lines into an integral structure.

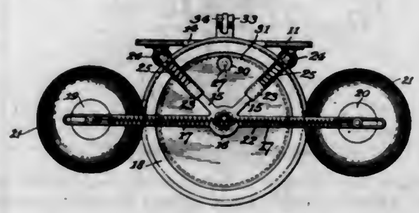
1,630,038. CRANK SHAFT. OLE W. THOMPSON, Durkee, Oreg. Filed Apr. 29, 1925. Serial No. 26,698. 1 Claim. (Cl. 74—38.)



In a crank shaft, a crank segment including two parallel spaced portions, each portion comprising a pair of sections disposed in end to end relation, one section

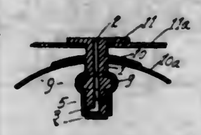
being provided with a bearing and the other section being provided with a recess for receiving a bearing, a bolt passing through the bearing and the recess for holding the portions assembled, the abutting edges of the sections being V-shaped in formation, one having a ridge and the other a groove for the reception of said ridge, and bolts passing transversely through the sections at an angle to the intermediate portion of the V-shaped edges therethrough for securing the sections together.

1,630,039. LENGTH RECORD AND AUTOMATIC MACHINE FOR MAKING SAME. FREDERICK B. VONOHLE, Easton, Pa. Filed Aug. 31, 1921. Serial No. 497,810. 22 Claims. (Cl. 33—129.)



1. As a new article of manufacture produced in the measurement of pieces of goods, a length-record consisting of a suitable medium such as tape presenting three parallel rows of markings, the markings of one row being equidistant to constitute a scale whose successive uniform spacings are each of a length that bears a fixed ratio to a standard unit of length, the markings of the second row being separated by uniform spacings each of a length that corresponds at that same ratio to a fixed multiple of said standard unit, and the markings of the third row being separated by spacings whose successive lengths are respectively proportional at that same ratio to the successive lengths of the different pieces constituting the entire goods measured.

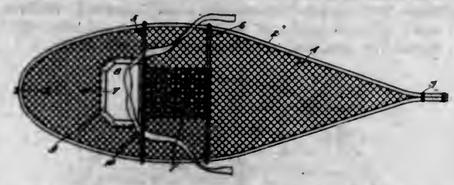
1,630,040. VALVE. FRANK A. VOGT, ELMER FLEISCH, and HUGO GOLDSMITH, Cincinnati, Ohio, assignors to The P. Goldsmith Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 22, 1926. Serial No. 82,888. 1 Claim. (Cl. 273—65.)



A valve for inflatable articles comprising a stem portion having an open ended air passage extending longitudinally thereinto, said stem having a closed inner end, walls of said stem having a slit extending laterally therethrough adjacent said closed end, and a resilient member supported by said stem enclosing the outer walls of said stem in the slitted portion, said stem being stretchable whereby pressure applied with an inserted piece within said air passage bearing against said closed end will stretch said stem and unseal said slit with relation to said enclosing member.

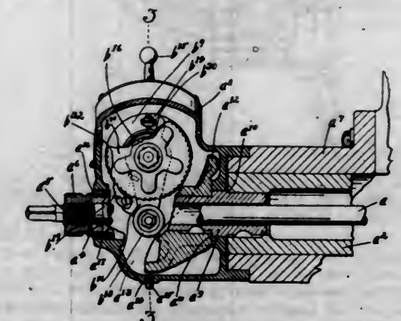
1,630,041. SNOWSHOE AND PROCESS OF MANUFACTURING SAME. EDWIN W. VOSS, Beverly, Mass. Filed Aug. 22, 1922. Serial No. 583,464. 7 Claims. (Cl. 208—184.)

1. A snow shoe comprising a metal frame, and a filling consisting of a woven wire, fabric having its edges secured to said frame, said fabric being woven prior to its attachment to the frame, and the principal wire strands



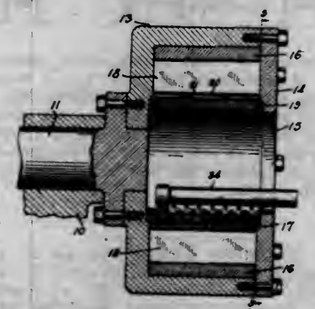
of said fabric extending diagonally with reference to the median line of the snow shoe.

1,630,042. CROSS-FEED MECHANISM FOR MACHINE TOOLS. ALBERT K. WATCHER, Cincinnati, Ohio. Filed Nov. 22, 1920. Serial No. 425,714. 12 Claims. (Cl. 74—54.)



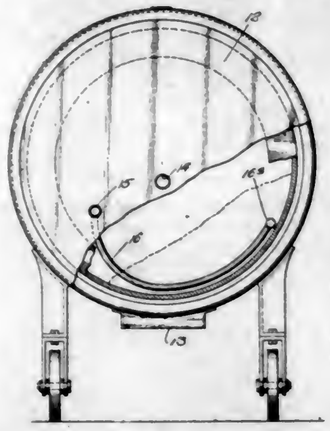
12. A shaper feed comprising a drive shaft, a driven shaft mounted for arcuate movement about the drive shaft, a cam on the drive shaft, the cam having an operating face all portions of which extend in substantial parallelism with the axis of the driven shaft, and a member mounted on the driven shaft and adjustable toward and away from the operating face of the cam for variable contact with the cam face for imparting variable and intermittent movement to the driven shaft.

1,630,043. CENTRIFUGAL CASTING. CHARLES P. WETMORE, deceased, Milwaukee, Wis., by Augusta M. Wetmore, executrix, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed June 5, 1925. Serial No. 35,233. 11 Claims. (Cl. 22—65.)



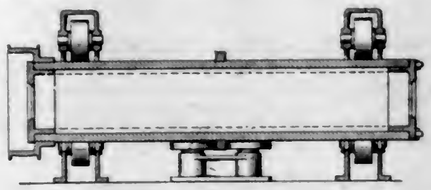
6. In a centrifugal casting machine, a rotatable mold, a liner therein to determine the diameter of the casting, and means for effecting contraction of the liner into engagement with the casting to prevent disintegration of the metal under centrifugal action during solidification.

1,630,044. FURNACE FOR THE TREATMENT OF SPENT FULLER'S EARTH. ROBERT E. WILSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Feb. 23, 1924. Serial No. 694,776. 2 Claims. (Cl. 263—33.)



1. A rotary furnace comprising an inclined rotatable shell, means for rotating the shell, means for supplying spent fullers' earth at the upper end thereof, means for supplying heat internally within said shell, an air conduit leading into the shell and a distributing pipe leading from said conduit to the lower side of the shell and thence in close proximity to the wall thereof in the direction of rotation of the shell, said distributing pipe being provided with perforations in the portion normally covered with the fuller's earth.

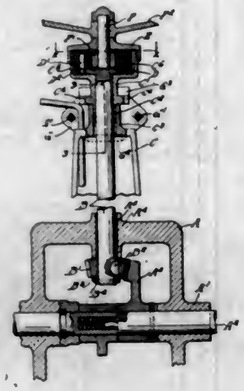
1,630,045. CENTRIFUGAL CASTING OF METALS. LUCIEN I. YEOMANS, Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed July 17, 1924. Serial No. 726,445. 9 Claims. (Cl. 22—212.)



4. The process of metal casting, which comprises the operations of pouring molten metal into a mold, withdrawing the casting after the temperature has reached the point of congelation, and restoring the normal temperature of the mold by the application therein of a measured quantity of water which in its evaporation will abstract from the mold the heat units imparted thereto by the molten metal.

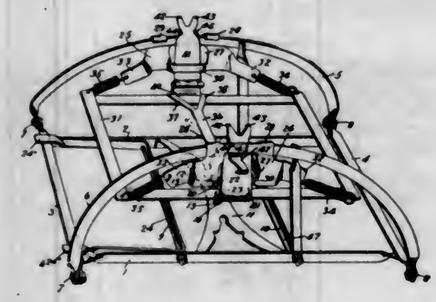
1,630,046. STEERING GEAR. WILLIAM C. ANTHONY and WILLIAM B. MACKINTOSH, Streator, Ill., assignors to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed June 27, 1925. Serial No. 39,878. 6 Claims. (Cl. 74—79.)

1. In combination with a steering column having a casing other than circular in cross section a steering gear adapter a reduction means including a shaft, and an adapter for such shaft including a generally tubular portion, a cup-shaped enlargement having gear teeth on its interior, planetary gearing mounted partially on said shaft and located within said cup-shaped enlargement



and a clamp provided with portions corresponding in shape to the steering column and such tubular adapter, and adapted to engage the two to prevent relative movement.

1,630,047. MERCHANDISE CARRIER. HUBERT ARNOLD, Calgary, Alberta, Canada. Filed Jan. 2, 1926. Serial No. 78,889. 5 Claims. (Cl. 220—1.)

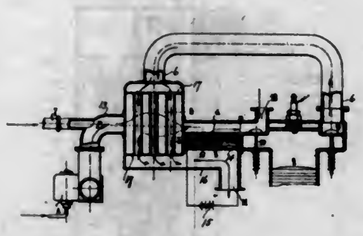


1. A merchandise carrier comprising a rectangular main frame, a ball member swung at each side of the main frame, a cradle support resiliently mounted between the ball members, and gripping jaws carried by the cradle support and adapted to be forced into contact with the article carried by the cradle support by its weight upon such support.

1,630,048. PROCESS FOR UTILIZING HYDROCARBONS IN INTERNAL-COMBUSTION ENGINES AND APPARATUS THEREFOR. DMITRY BALACHOWSKY and PHILIPPE CAIRE, Paris, France. Filed July 1, 1924, Serial No. 723,570, and in France July 9, 1923. 3 Claims. (Cl. 196—52.)

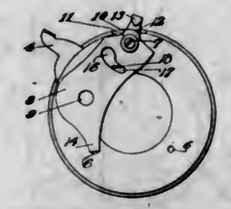
1. A process of utilizing heavy oils as fuel for internal combustion engines, comprising the steps of feeding a mixture of heavy oil and air to a catalyzing chamber, and

simultaneously passing the exhaust gases from an engine through a multitude of hollow metallic catalyzing elements in said chamber, so that the current of exhaust gas will be split up into a multitude of separate, relatively-fine streams which will heat the catalyzing elements during their passage therethrough, while the mixture of oil



and air will be split into small streams by said elements during its passage through the catalyzing chamber and will be decomposed catalytically by direct contact with the bare, heated metal surfaces of said elements; and then delivering the decomposed mixture into the cylinder of the engine for ignition therein.

1,630,049. PHOTOGRAPHIC SHUTTER. CARL BORNMANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed May 16, 1924, Serial No. 713,774. Renewed Mar. 31, 1927. 7 Claims. (Cl. 95—59.)

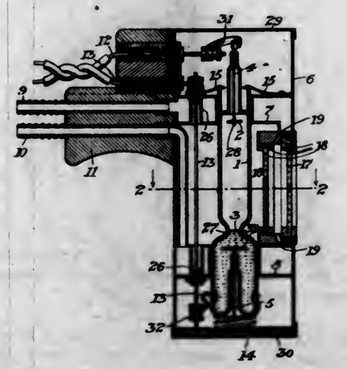


1. A photographic shutter including blades, actuating means therefor, and a diaphragm having a light defining aperture and an irregular opening and provided with a finger piece, said irregular opening cooperating with said actuating means for controlling the speed setting of said actuating means in accordance with said aperture.

1,630,050. PROCESS FOR THE MANUFACTURE OF UREA FROM CYANAMIDE. JOSEPH BRESLAUER and CHARLES GOUDET, Geneva, Switzerland, assignors to Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland, a Company of Switzerland. Filed Jan. 27, 1923, Serial No. 615,375, and in Switzerland Feb. 4, 1922. 3 Claims. (Cl. 260—125.)

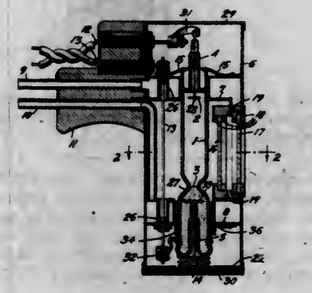
1. A process for the manufacture of urea from cyanamide consisting in treating a solution of cyanamide at a temperature of approximately 70° C. and at a pressure approximating 7 atmospheres by an acid catalyzer in a quantity less than 10% of the quantity of acid necessary for the fixation of the whole urea as a salt of urea.

1,630,051. ELECTRIC LAMP. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Apr. 12, 1922. Serial No. 551,768. 15 Claims. (Cl. 174—177.)



1. A lamp outfit comprising a double wall jacket, a lamp in said jacket, annular extensions of said jacket in proximity to the terminal portions of said lamp, and means for circulating a cooling medium through the jacket and the extensions thereof.

1,630,052. WATER-COOLED LAMP. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, a Corporation of New Jersey. Filed Sept. 20, 1923. Serial No. 663,917. 11 Claims. (Cl. 174—177.)

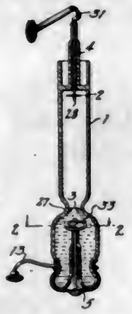


1. A lamp outfit comprising a jacket, a lamp in said jacket, extensions of said jacket in proximity to the terminal portions of said lamp, adjustable means interposed between said lamp and said jacket for controlling the heat conductivity between said lamp and jacket and means for circulating a cooling medium through the jacket and the extensions thereof.

1,630,053. VAPOR LAMP. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Original application filed Apr. 12, 1922, Serial No. 551,768. Divided and this application filed Sept. 27, 1923. Serial No. 665,246. 10 Claims. (Cl. 176—42.)

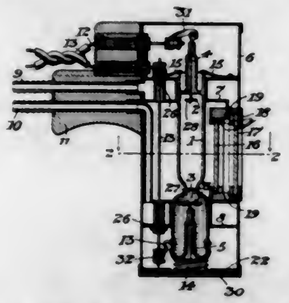
1. A vapor electric arc lamp having an envelope, an anode sealed through the wall thereof, a cathode terminal

sealed through the wall thereof, mercury in said tube at and about said cathode terminal and a stricture in



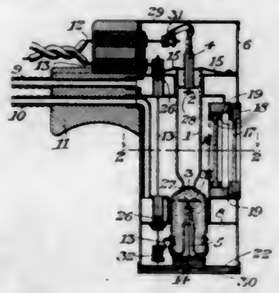
and about the envelope wall at the level of said mercury extending for a length not greater than the diameter of the envelope at said stricture.

1,630,054. WATER-COOLED LAMP. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Original application filed Apr. 12, 1922, Serial No. 551,768. Divided and this application filed Oct. 3, 1923. Serial No. 666,285. 8 Claims. (Cl. 174—177.)



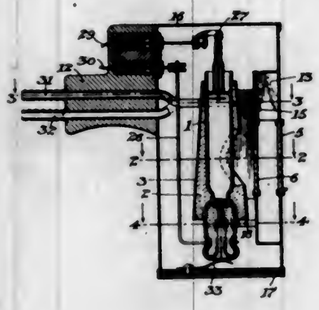
1. A lamp outfit comprising a jacket, a lamp in said jacket extensions of said jacket in contact with the terminal portions of said lamp.

1,630,055. WATER-COOLED LAMP. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Original application filed Apr. 12, 1922, Serial No. 551,768. Divided and this application filed Dec. 10, 1923. Serial No. 679,809. 10 Claims. (Cl. 174—177.)



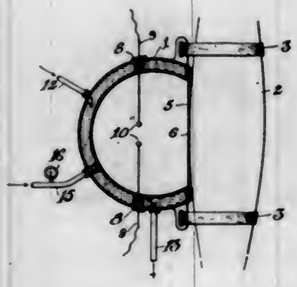
1. A therapeutic lamp housing providing two spaced apart casings and two spaced apart lenses for circulation of a liquid between the casings and between the lenses and a lamp in the inner casing.

1,630,056. WATER-COOLED LAMP. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed July 5, 1924. Serial No. 724,343. 15 Claims. (Cl. 174—177.)



1. In a water cooled lamp, in combination, a lamp holding tube, a water cell, heat conducting means between said tube and said cell, a light passageway between the ends of said tube and light shielding means adjacent the ends of said tube.

1,630,057. THERAPEUTIC LAMP. LEROY J. BUTTOLPH, Grantwood, N. J., assignor to Cooper-Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Nov. 29, 1924. Serial No. 752,996. 5 Claims. (Cl. 174—177.)

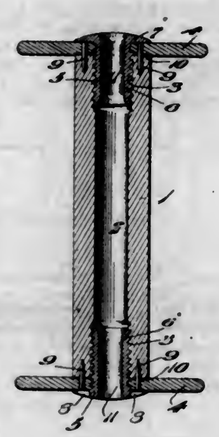


1. A therapeutic apparatus including a holder member having an aperture for application to the part to be treated, a source of ultra-violet light within said holder and means for applying a gas under pressure to the part to treated at the area confined by said opening.

1,630,058. FIBER-HEAD SPOOL. CLARENCE E. CUNDEY, Philadelphia, Pa. Filed May 8, 1924. Serial No. 711,758. 1 Claim. (Cl. 242—124.)

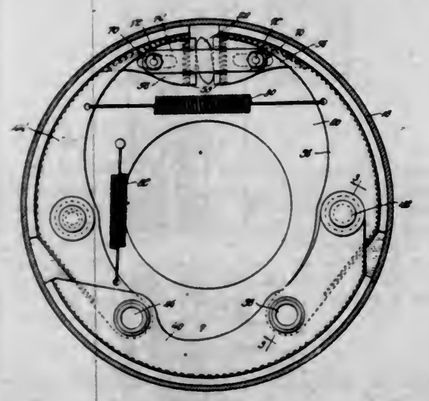
In a spool of the character stated, a tubular barrel having internal threads in the terminal portions of the bore thereof, a removable terminal fiber head at each end of said barrel having a central aperture in alignment with the bore of said barrel, locking pins passing through each of said fiber heads and into the terminals of said barrel, a metallic bearing thimble at each end of said spool having an externally threaded tubular portion extending

through the central aperture in the respective fiber head and extending into and threadedly engaging the internally threaded terminal portions of the bore of said barrel and having an external terminal flange formed integrally with the tubular portion of said thimble over-



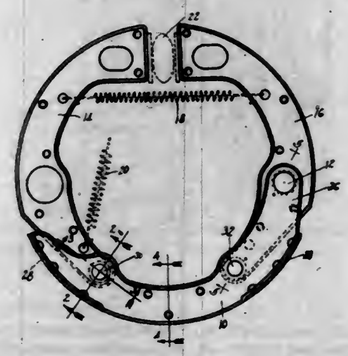
hanging and engaging the inner peripheral edge portion of the respective fiber heads to clamp the same endwise to the barrel and overlapping and locking the outer terminals of the respective pins, and a resilient washer interposed between each end of said barrel and the corresponding fiber head.

1,630,059. BRAKE. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1925. Serial No. 23,763. 18 Claims. (Cl. 188—78.)



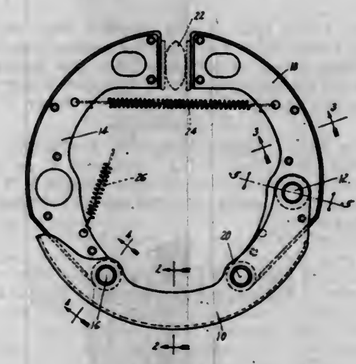
1. A brake comprising three shoes, the central shoe being channel-shaped at least at its ends and the two end shoes extending into the channel of the central shoe to cause the three shoes to overlap.

1,630,060. BRAKE. MONTGOMERY W. MCCONKEY, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 7, 1925. Serial No. 60,990. 15 Claims. (Cl. 188—78.)



1. A brake comprising, in combination, a central shoe T shaped in section at its center and having spaced flanges at each end, and end shoes, each of which extends between the spaced flanges at one end of the central shoe, beyond the end of the friction face of the central shoe.

1,630,061. BRAKE. LUDGER ELIZE LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 7, 1925. Serial No. 60,991. 18 Claims. (Cl. 188—78.)

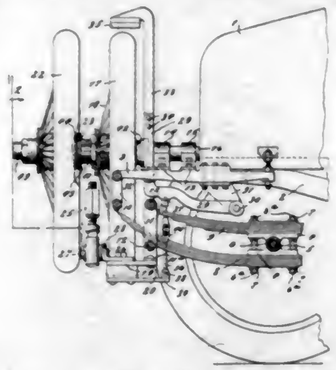


1. A brake including a pair of jointly-operable shoes, one of channel form and the other T-shaped in cross-section and extending a substantial distance into the channel of the first.

1,630,062. VEHICLE. THOMAS J. FAY, Brooklyn, N. Y. Filed Nov. 2, 1923. Serial No. 672,246. 32 Claims. (Cl. 267—18.)

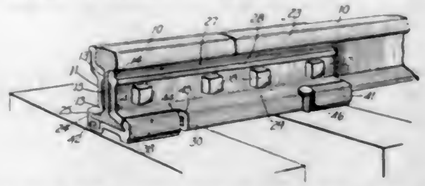
1. In a vehicle having a chassis frame and axle, a pneumatic device supported by the chassis frame, a part moving with the axle and cooperating with said device to yieldingly resist relative movements between the axle and chassis frame, a lever hinged to the chassis frame, and an element moving with the axle and connected to the lever to oscillate it upon relative movements between

the axle and chassis frame, the movements of said lever being resisted by said pneumatic device during the rela-



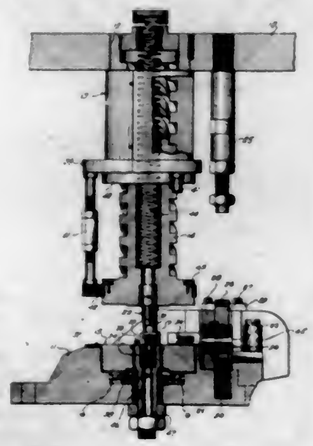
tive movements of the chassis frame and axle which are unresisted by the said part and the pneumatic device.

1,630,063. RAIL JOINT. NED G. FRANKLIN, Independence, Mo., assignor of one-half to I. A. Smith, Independence, Mo. Filed Sept. 20, 1926. Serial No. 136,535. 7 Claims. (Cl. 238—193.)



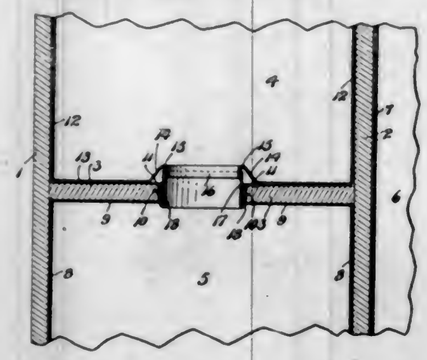
1. In a rail joint, a pair of angle bars, each comprising a base flange and a locking member engaging the base flange of one of said angle bars, said locking member having interengaging, curved, hook-like flanges thereon to interlock said member and said base flange.

1,630,064. METAL-BENDING MACHINE. HUGO FUCHS, New York, N. Y., assignor of one-half to Chauncey M. Sincerbeaux, Jackson Heights, N. Y. Filed Feb. 1, 1924. Serial No. 689,881. 11 Claims. (Cl. 153—40.)



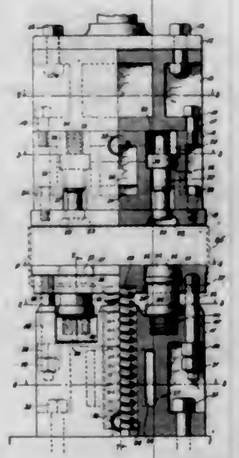
1. In a metal bending device, a rotatable member for holding and bending the work, a worm nut movable toward and from the rotatable member along the axis of rotation thereof, and a worm member separate from the rotatable member and adapted to engage therewith and to be rotated by the movement of the worm nut toward the rotatable member.

1,630,065. REFRIGERATOR-FLUE CONSTRUCTION. HARRY C. LEONARD and WALTER H. WHITTIER, Grand Rapids, Mich., assignors, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan. Filed Dec. 17, 1923. Serial No. 681,070. 2 Claims. (Cl. 62—89.)



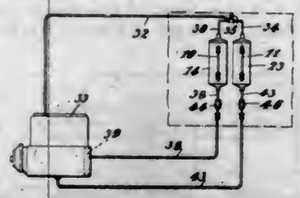
1. In a refrigerator, a horizontal partition having an opening therethrough, a sleeve extending through the opening and above the partition, a lining over the upper side of the partition having an opening therethrough, the metal surrounding the opening being first raised above the plane of the lining and thence bent downwardly within said sleeve, said sleeve being secured to said down turned portion of the lining, and a lining below the partition having an opening through which said sleeve extends.

1,630,066. BRICK DIE. JESSE C. MARTIN, Jr., San Francisco, Calif. Filed Aug. 16, 1926. Serial No. 129,448. 9 Claims. (Cl. 25—102.)



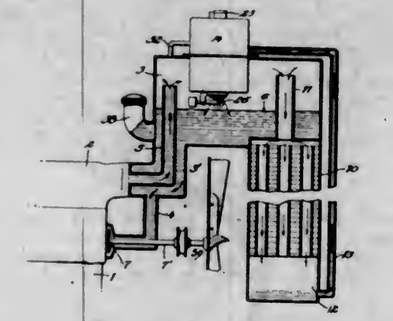
1. A brick die having a recess for the formation of a boss upon a brick, a collapsible bottom for said recess and means to press said bottom into the recess for separation of the formed brick from the die surfaces.

1,630,067. OIL-TESTING APPARATUS FOR MOTOR VEHICLES. FRANK B. MASON, New Providence, N. J., assignor of one-fourth to Frank A. Urner, Scotch Plains, N. J.; one-fourth to Elmer A. Ford, Westfield, N. J.; and one-fourth to Arthur H. Serrell, New York, N. Y. Filed Mar. 26, 1926. Serial No. 97,503. 10 Claims. (Cl. 265—11.)



7. In an apparatus of the class described, a set of receptacles, a corresponding number of liquid containers, means establishing communication for transferring a liquid from each container to a corresponding receptacle until the receptacle is filled and permitting the liquids to then drain from the said receptacles, and means for observing the comparative rates at which the liquids drain from the said receptacles.

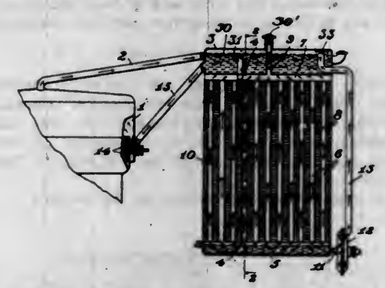
1,630,068. COOLING SYSTEM. WELLINGTON W. MUIR, Lockport, N. Y. Filed Nov. 28, 1921. Serial No. 518,379. 18 Claims. (Cl. 123—174.)



1. The process of cooling internal combustion engines which consists in providing a liquid cooling circuit about the engine having a liquid and vapor chamber at the upper portion, positively drawing the vapor from said chamber downwardly through a radiator to condense the same in a liquid chamber at the base of said radiator and positively returning the liquid from said liquid chamber directly to the top of the liquid and vapor chamber in said first mentioned circuit.

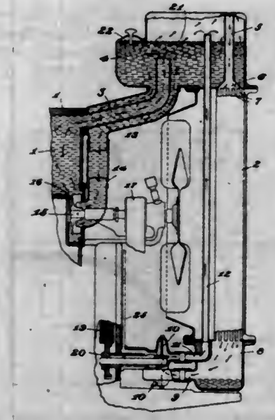
1,630,069. COOLING SYSTEM. WELLINGTON W. MUIR, Lockport, N. Y. Filed Aug. 16, 1922. Serial No. 582,218. 10 Claims. (Cl. 123—174.)

1. In a cooling system for internal combustion engines the combination of a jacket; a tank; a connection between said jacket and tank; a second tank; a connection between said first and second named tanks; a pump; a connection between said pump and said second tank; a connection between said pump and said first named tank; a cooling means located above said second tank having vapor condensing tubes communicating with the latter



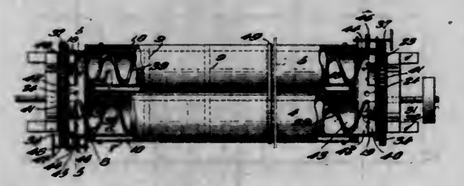
and a second connection including a pump between said first named tank and said jacket, substantially as described.

1,630,070. PROCESS OF AND APPARATUS FOR COOLING INTERNAL-COMBUSTION ENGINES. WELLINGTON W. MUIR, Lockport, N. Y. Filed Aug. 16, 1922, Serial No. 582,220. Renewed Apr. 8, 1927. 7 Claims. (Cl. 123—174.)



1. In a cooling system for an internal combustion engine the combination of a jacket; a radiator; a tank closed to the atmosphere associated with said radiator; means for passing fluid under pressure from said jacket to said tank; means for passing fluid under pressure from said tank into said radiator; means for drawing fluid from said radiator and forcing it under pressure back into said tank; and means for returning fluid from said tank back into said jacket, substantially as described.

1,630,071. COOKING AND DRYING APPARATUS. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed Jan. 19, 1924. Serial No. 687,398. 5 Claims. (Cl. 87—13.)

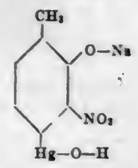


1. In a cooking and drying apparatus, two steam jacketed cylinders, end members forming chambers of communication between said cylinders, conveyor mech-

anism to cause the material being treated to continuously circulate through said casings and chambers, drainage conduits communicating with each of said end chambers, and means to introduce steam into said end chambers.

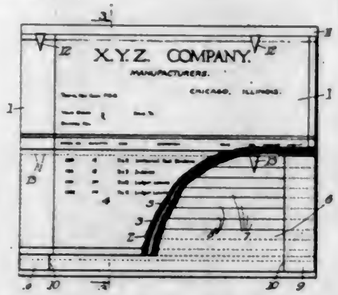
1,630,072. MANUFACTURE OF MERCURI-MONONITRO-ORTHO-CRESOL AND ITS SALTS. GEORGE W. RAIZISS, Philadelphia, Pa., assignor to The Abbott Laboratories, Chicago, Ill., a Corporation of Illinois. Filed May 25, 1923. Serial No. 641,502. 5 Claims. (Cl. 260—13.)

1. A new product represented by the formula



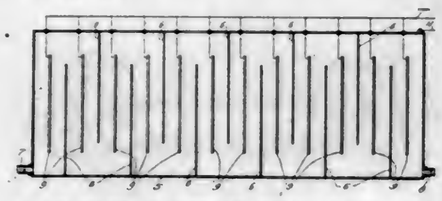
which crystallizes in long prisms, is reddish brown in color, soluble in hot water and in methyl alcohol and insoluble in ether.

1,630,073. BOOKKEEPING FORM. HOWARD W. READ, Benton Harbor, Mich., assignor to Baker-Vawter Company, Benton Harbor, Mich., a Corporation of Michigan. Filed Mar. 22, 1924. Serial No. 701,037. 4 Claims. (Cl. 282—29.)



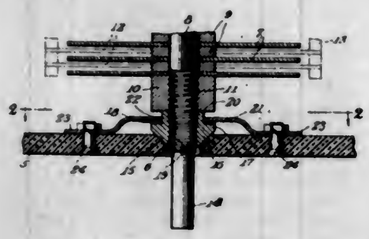
1. In bookkeeping forms, a collective entry sheet, a block of overlapping individual item slips of greater width than a line space on the entry sheet secured together along the side margins of the block and having exposed faces arranged to register with the entry spaces on such entry sheet, and impression transfer means between said entry sheet and said block of slips.

1,630,074. TREATING SLUDGE ACID. FRANCIS M. ROGERS and FRANK V. GRIMM, Whiting, Ind., and GERALD L. WENDT, Chicago, Ill., assignors to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Aug. 14, 1924. Serial No. 731,995. 5 Claims. (Cl. 204—24.)



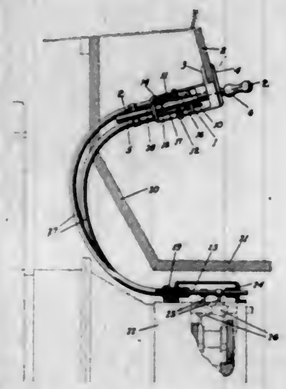
1. The method of removing organic matter from refinery sludge acids which comprises passing an electric current therethrough to form elementary oxygen and hydrogen by dissociation, thereby effecting oxidation of organic matter and causing the same to be raised to the surface of the treated acid by the action of the released gases, and separating the organic matter.

1,630,075. ROTOR-PLATE SPINDLE MOUNTING FOR VARIABLE CONDENSERS. ERNEST ROSS, East Orange, N. J., assignor to U. S. Tool Co., Inc., East Orange, N. J., a Corporation of New Jersey. Filed Feb. 23, 1926. Serial No. 89,846. 3 Claims. (Cl. 308—161.)



1. A spindle bearing comprising a support plate through which one end of the spindle projects, a conical metallic sleeve threaded on said spindle and rotatably mounted in the plate, and a spring attached to said support plate, said spring having an opening through which a part of said sleeve extends to press its conical portion into a bearing in the support plate.

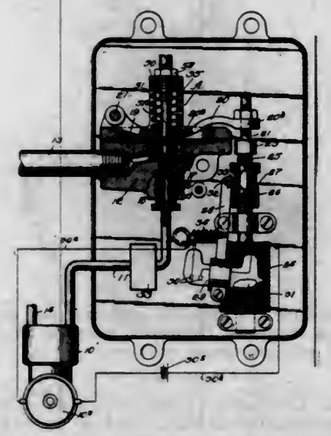
1,630,076. HAND-OPERATED GEAR-SHIFT MECHANISM. BENJAMIN F. SCHMIDT, Los Angeles, Calif., assignor to Gillette Schmidt Corporation, Los Angeles, Calif., a Corporation of Delaware. Filed June 17, 1926. Serial No. 116,574. 5 Claims. (Cl. 74—39.)



1. In a motor vehicle the combination with the dashboard, motor bulkhead and transmission structure under the floor of the vehicle, said structure including a gear shift fork movable longitudinally of the vehicle; a mechanism for moving said fork including a rigid tubular housing extending from ahead of the dashboard through the bulkhead and down under the floor to a termination adjacent the transmission structure in substantial longitudinal alinement with the fork, a flexible element extending through and closely guided by said housing, means operatively connecting the element with the fork, a shaft extending and movable longitudinally of the vehicle, means for supporting said shaft and the adjacent end of the housing from the dashboard, a handle on said shaft to

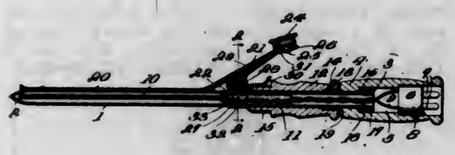
the rear of the dashboard, power increasing means attached to the adjacent end of the element and mounted in said supporting means, and means for operatively connecting the shaft to the power increasing means.

1,630,077. REFRIGERATING APPARATUS. FRANK W. SCHWINN, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,384. 1 Claim. (Cl. 62—4.)



In refrigerating apparatus; an electrically driven compressor; a condenser; an expansion valve; a temperature responsive element exposed to changes in temperature in the compartment cooled by said refrigerating apparatus; and means, controlled by said temperature responsive element, for automatically mechanically controlling said expansion valve in accordance with changes in temperature in said compartment, and automatically electrically controlling the operation of said compressor in accordance with said changes in temperature.

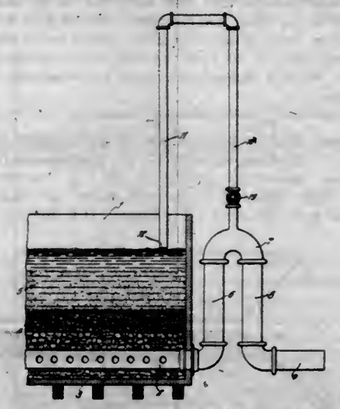
1,630,078. CURLING IRON. ALVA T. SMITH, Winsted, Conn., assignor to The Fitzgerald Mfg. Company, Torrington, Conn., a Corporation of Connecticut. Filed Sept. 17, 1924. Serial No. 738,232. 8 Claims. (Cl. 219—24.)



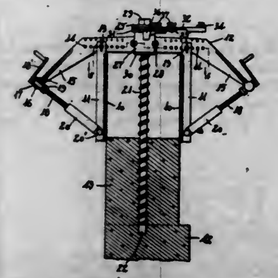
6. In a curling iron, a shell, a handle mounted on the shell, a tong, a stirrup pivoted to said tong and having a pip thereon adapted to be received in an aperture of the shell, a tong spring, and means in conjunction with said handle to keep said spring under a normal tension to hold said pip in said aperture.

1,630,079. FILTER. JAMES E. SPALDING and ROBERT L. ARCHER, Collinsville, Ill. Filed June 20, 1924. Serial No. 721,169. 13 Claims. (Cl. 210—124.)

1. In a sand bed filter having a bed in which a quantity of liquid is contained, an ascending outlet conduit leading from said bed, and a descending conduit connected with said first conduit at the normal height of the liquid in the bed, and an adjustable vent for admitting the atmosphere above the liquid in said first conduit in order to prevent draining the liquid from said bed.

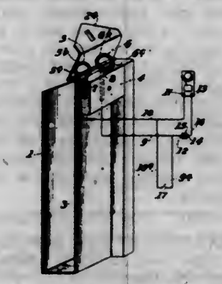


1,630,080. WALL-MOLDING APPARATUS. WALTER THEODOR FELS, New York, N. Y., assignor to Felstone Fireproof Construction Company, Inc., Mount Vernon, N. Y., a Corporation of New York. Filed Mar. 17, 1926. Serial No. 95,293. 5 Claims. (Cl. 25—131.)



1. In a wall molding apparatus, a supporting member having a circular head with a diametrical opening, a side plate mounted for swinging movement, a member extending loosely through said opening and having portions bearing against the head to swivel said member in said opening for oscillatory motion, and a member pivotally connected with said plate, said members having a screw connection.

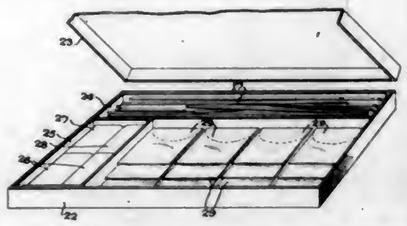
1,630,081. MAIL-BOX COVER-ACTUATED SWITCH. ANTON FLEKSTEIN, Detroit, Mich. Filed Apr. 12, 1926. Serial No. 101,304. 2 Claims. (Cl. 200—57.)



2. In a device of the character described, the combination of a box having a longitudinal depression in its reverse side, an insulating block in said depression ter-

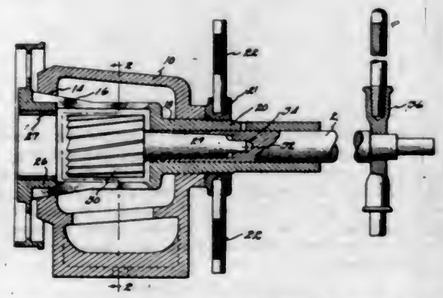
minating substantially flush with the top of said box and having openings therein, spring contacts held between said reverse side and said insulating block, said contacts being bent rearwardly and having free ends adapted to move in said openings, and a cover hinged on said box adapted to open against the rearwardly bent portions of said contacts to form a connection between the latter.

1,630,082. PLANT AND FLOWER MODELING OUTFIT. TOM C. GRAHAM, Albany, N. Y., assignor to The Embossing Company, Albany, N. Y., a Corporation of New York. Filed May 20, 1925, Serial No. 31,585. Renewed Apr. 12, 1927. 4 Claims. (Cl. 35—12.)



1. An outfit for making plant models, comprising a plurality of plant elements of light relatively stiff material, and permanently plastic modeling material for securing the plant elements together in simulation of nature and permitting disassembly of the plant elements for re-use.

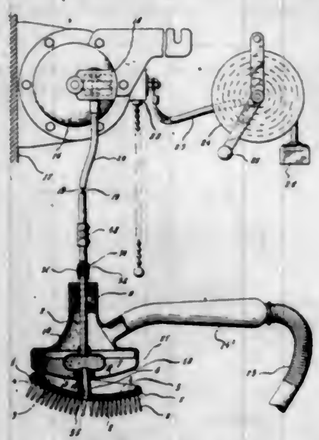
1,630,083. REAMING MECHANISM. BURTON C. HINCKLEY, CHARLES J. THOMAN, and GEORGE E. HOLTON, Jackson, Mich., assignors to The Hinckley-Myers Company, Jackson, Mich., a Corporation of Michigan. Filed Feb. 2, 1925. Serial No. 6,234. 4 Claims. (Cl. 77—2.)



2. In a reaming device, a frame having a base provided with a pair of upright standards and a hollow casing supported thereby, a collet mounted within said casing having a tapered split head mounted within a tapered bearing in one wall of the casing and a shank mounted in a concentric bearing in the opposite wall of the casing, a reaming tool having a cutting head mounted within the work holding head of the collet and a shank extending through and having a bearing in the collet shank, a handle rotatably threaded on the collet shank to move the same longitudinally relative to the casing, and means engaging the shank of the reaming tool to advance the same through the work holding head of the collet and the work carried thereby.

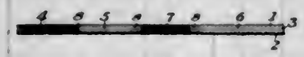
1,630,084. CLEANING DEVICE. JOHN HOLTZMAN, New York, N. Y. Filed Nov. 23, 1921. Serial No. 517,409. 5 Claims. (Cl. 15—129.)

1. In a cleaning device the combination of a container having holes for the discharge of a fluid, means to discharge the container with a fluid, a second container rotatably mounted within the first container, a tubular



brush below the first container, and connecting means between said brush and the second container for rotating the brush with the second container.

1,630,085. LINOLEUM FLOOR COVERING AND PROCESS OF MANUFACTURE. CHARLES F. HUMPHREYS and JOHN CLARENCE MCCARTHY, Lancaster, Pa., assignors to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 11, 1925. Serial No. 74,731. 7 Claims. (Cl. 154—26.)



3. In the process of making molded inlaid linoleum, the steps which consist in applying to a backing a layer formed of granular linoleum mixes so disposed as to form the desired inlaid color pattern, consolidating the granular linoleum material into a sheet consisting of varicolored inlays having irregular lines of juncture, and thereafter indenting certain of the inlays, the marginal lines of the indentations substantially coinciding with the lines of juncture between the depressed and undepressed inlays.

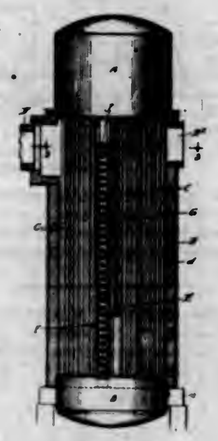
1,630,086. WRINGER ROLL. GEORGE R. KELTIE, Woonsocket, R. I., assignor to American Wringer Company, Inc., a Corporation of Rhode Island. Filed Jan. 6, 1927. Serial No. 159,378. 3 Claims. (Cl. 68—33.)



1. In a wringer roll, a shaft, a cylindrical rubber body on the shaft, members encircling the shaft and bodily embedded within the rubber body and close to the end face of the body, and projections upon the members at a distance from the shaft and disposed substantially parallel thereto and terminating substantially in the end face of the body.

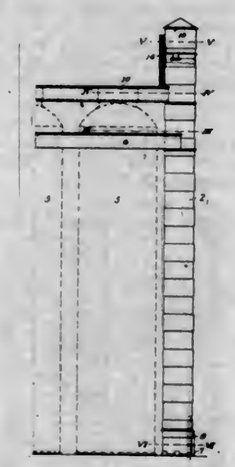
3. As a new article of manufacture, a bearing member for a wringer roll, comprising a collar, a disk upon the collar, a flange upon the disk parallel with and directed oppositely to the collar, and projections on the flange extended parallel to the cylindrical surface of the flange and beyond the free end of the latter.

1,630,087. SUPERHEATER BOILER. WALTER FRANCIS KEENAN, Jr., Pelham, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1925. Serial No. 23,783. 6 Claims. (Cl. 122—476.)



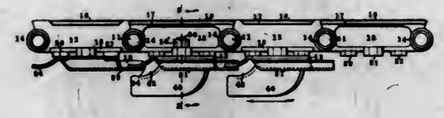
1. The combination with a boiler comprising a vertical shell and vertical water tubes and a centrally disposed baffle providing up and down heating gas passes, of a vertical row of horizontal superheater elements parallel to and alongside said baffle and having their ends extending through said shell and vertical inlet and outlet headers external to said shell and to which the opposite ends of said elements are connected.

1,630,088. ELEVATOR TOWER FOR BLAST-FURNACE STRUCTURES. JULIAN KENNEDY, Pittsburgh, Pa. Filed Apr. 4, 1925. Serial No. 20,753. 7 Claims. (Cl. 266—1.)



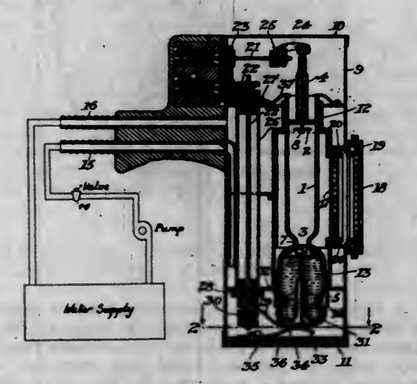
1. The combination with a blast furnace structure, of an auxiliary vertical tubular elevator tower having a bracing connection with the furnace and closed throughout its length and having openings at its bottom and top, and having a gas-excluding door for at least one of said openings, substantially as described.

1,630,089. TRACK CHAIN FOR TRACTORS. THOMAS C. LEAKE, New York, N. Y., assignor to Bear Tractor Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,639. 9 Claims. (Cl. 305—10.)



4. In a flexible traction tread, in combination, a link having a pair of side plates adapted for articulation with the side plates of an adjacent link, a tread plate, spaced protuberances arranged in triangular formation and rising from an edge of one of said side plates and together providing a seat for said tread plate, complementary lug formations on said tread plate and on certain of said protuberances and including a projecting lug and complementary seat adapted to interengage for positioning the tread plate on the side plate in operative position and for resisting bodily edgewise movement of the tread plate in any direction, another of said protuberances being provided with an opening adapted to be brought into registry with an opening in said tread plate by assembly of said lug and seat, and a securing bolt seated in said registering openings.

1,630,090. ELECTRIC-LAMP OUTFIT. ROY D. MAILEY, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed July 20, 1922. Serial No. 576,256. 5 Claims. (Cl. 174—177.)

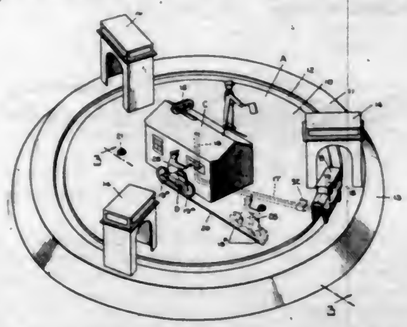


1. A lamp outfit comprising a jacket, a lamp in said jacket, extensions of said jacket in proximity to the terminal portions of said lamp, means for circulating a cooling medium through the jacket and the extensions thereof and means in said circulating means for varying the rate of flow of said cooling medium.

1,630,091. ROUNDABOUT TOY. LOUIS MARX, Brooklyn, N. Y. Filed July 19, 1926. Serial No. 123,288. 14 Claims. (Cl. 272—31.)

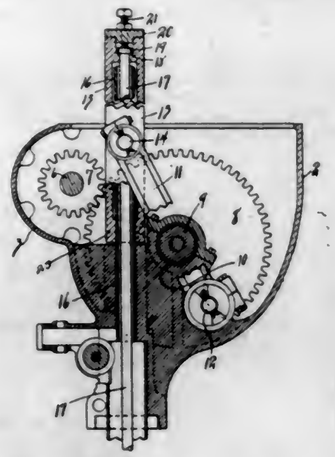
10. In a device of the class described, a vehicle movable in a predetermined path, a motor operating said vehicle, a figure normally held in a retracted position and

movable into a position adjacent the path of movement of said vehicle, mechanism for stopping the movement of said vehicle and means operable for releasing said figure



and causing the same to move into cooperation with said vehicle and for simultaneously actuating the stop mechanism to stop the movement of said vehicle.

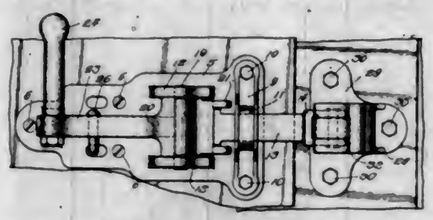
1,630,092. PUMPING MECHANISM FOR WINDMILLS. OSCAR E. MCCASKILL, Fort Worth, Tex. Filed Sept. 2, 1926. Serial No. 133,242. 5 Claims. (Cl. 184—4.)



1. In a windmill mechanism provided with a casing and a vertically movable piston rod; a crosshead for said piston rod, a tubular guide for said crosshead rigid with said casing and having a liquid tight connection therewith and forming a passageway for the piston rod and forming a guide for a crosshead and preventing lubricating material from touching said piston rod, and means for lubricating said crosshead.

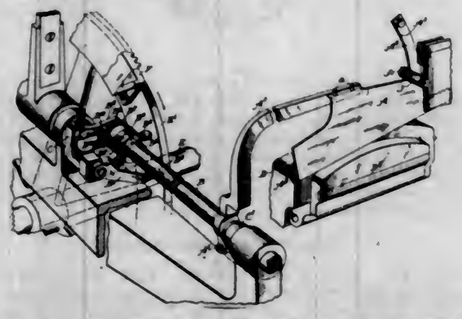
1,630,093. LATCH MECHANISM. STEPHEN E. MCPARTLIN, Chicago, Ill. Filed Feb. 4, 1925. Serial No. 6,742. Renewed Apr. 4, 1927. 1 Claim. (Cl. 292—174.)

Latch mechanism comprising a support, a latch-bar moveable on said support, a keeper for engagement by said latch-bar, a spring urging said latch bar into engagement with said keeper, a lever pivotally supported between its ends on a vertical axis, said latch-bar presenting a surface facing toward said keeper for engagement with one end of said lever, said lever when operated actuating said latch-bar against the resistance of said spring and out of engagement with said keeper, the other end of said lever being adapted to be grasped by the operator for actuating it, said latch-bar being adapted to move in



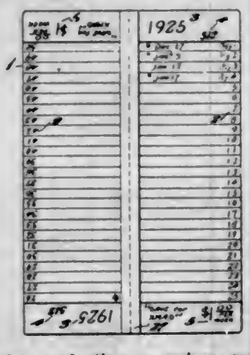
opposition to its spring when riding against said keeper without actuating said lever, and a push rod movable crosswise of the path of movement of said latch-bar and engaging said lever for actuating the latter.

1,630,094. SLUG-CASTING MACHINE. ISIDORE T. REMAS, Woodhaven, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Jan. 19, 1926. Serial No. 82,196. 15 Claims. (Cl. 199—62.)



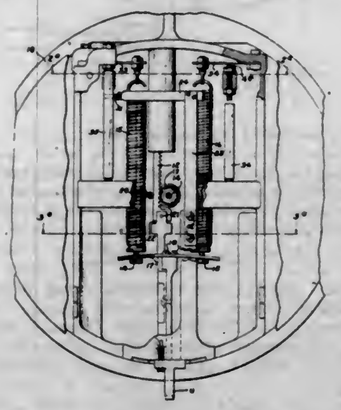
1. In a slug casting machine, the combination of a melting pot having a mouthpiece, a wiper blade arranged to swing back and forth across the face of the mouthpiece, guiding means to support the blade against lateral displacement during its movements, and means for imparting the to-and-fro movements to the wiper blade.

1,630,095. SAVINGS SYSTEM. WILLIAM A. RINGLER, Philadelphia, Pa. Filed Apr. 18, 1925. Serial No. 24,005. 3 Claims. (Cl. 283—57.)



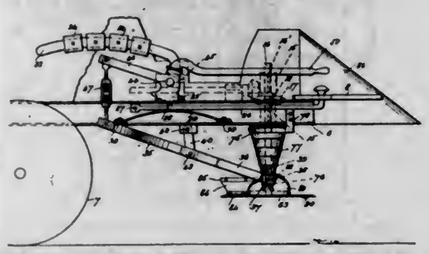
1. Means for conducting a savings system, comprising a deposit receipt in the form of a folded strip having on one outer face a column of consecutively numbered spaces and on its other outer face a column of consecutively numbered spaces reading in a reverse direction to the numbers of the first column, and a bank filing card having on one face columns of consecutively numbered spaces, one column of which reads in a reverse direction to its other column, whereby when one edge of the bank card is inserted and nested in the folder one of its columns will be covered and the spaces in its other column will register with correspondingly numbered spaces of the deposit receipt to enable the stamping of duplicate dates, and when the bank card is reversed and its opposite edge inserted into the folder, only the numbered spaces reading in a reverse direction will be visible and will register with the visible correspondingly numbered spaces of the deposit slip to enable the stamping of duplicate dates.

1,630,096. SCALE. JOHN W. ROCKEFELLER, Jr., New York, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Apr. 22, 1926. Serial No. 103,775. 14 Claims. (Cl. 265—69.)



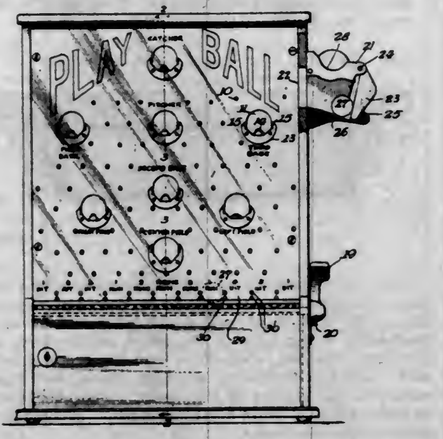
1. In a scale, the combination with a load support, of means opposing the load on said support, an indicator having an operative connection with said load support, and temperature responsive means between said opposing means and the load support for compensating for any tendency of the indicator to move from its no-load position with temperature change.

1,630,097. SUGAR-CANE HARVESTER. HENRY O. SCRANTON, Jeanerette, La. Filed June 19, 1925. Serial No. 38,191. 14 Claims. (Cl. 56—102.)



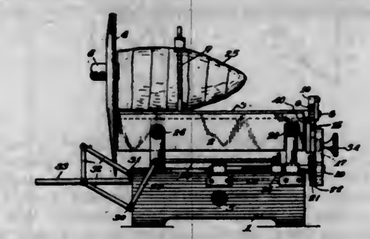
1. In a harvester, a supporting frame, a vertical driving shaft journaled in the frame and provided with a cutter, a pivoted lever for raising and lowering the cutter, a toothed segment pivoted to the frame and provided with a rearwardly projecting arm, means for connecting the said arm with the pivoted lever, an operating lever connected to the said segment and projecting forwardly of it, and a spring-controlled catch lever pivoted to the frame and provided with a tooth which normally engages with the said segment, the free end portions of the said levers being arranged conveniently adjacent to each other.

1,630,098. AMUSEMENT DEVICE. PERCY C. SMITH, Chicago, Ill., assignor to John F. Meyer, Chicago, Ill. Filed Mar. 11, 1926. Serial No. 93,844. 2 Claims. (Cl. 273—138.)



1. An amusement device of the class described comprising a cabinet having a glass front, a panel behind said front and having a plurality of openings therein, a frame fastened to the panel at the bottom of each opening, projections on said frame at the bottom and at the sides of the opening, the side projections extended outwardly and engaging the glass front to direct the token into proper registration with said opening, the bottom of the opening in the panel being inclined inwardly and downwardly and the bottom projection of the frame being inclined to correspond with the bottom of the opening, a token chute on the cabinet, and a snapper arm adapted to be operated to propel the token into the space between the glass front and the panel at the top thereof.

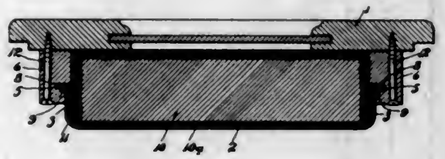
1,630,099. SLICING MACHINE. WILHELMUS ADRIANUS VAN BERKEL, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed Nov. 11, 1926, Serial No. 147,665, and in Germany Oct. 10, 1925. 6 Claims. (Cl. 146—94.)



4. In a slicing machine, a support for material to be sliced, means for periodically feeding said support to bring portions of said material into position to be sliced, said feeding means being adjustable to vary the thickness

of slices, a slice receiver, adjustable means for shifting said receiver to accommodate additional slices as they are formed, and connection between the adjustable means for feeding said material support and the adjustable means for shifting said slice receiver to effect corresponding adjustments of said feeding means and said shifting means so that the movement of said slice receiver will be commensurate with the thickness of slices.

1,630,100. REFRIGERATOR DOOR. WALTER H. WHITTIER, Grand Rapids, Mich., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan. Filed Jan. 11, 1926. Serial No. 80,482. 5 Claims. (Cl. 20—35.)

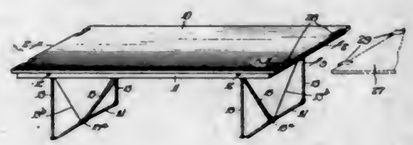


1. In a construction of the class described, a door panel, a border frame adapted to be secured to the inner side of the door panel, said frame being grooved on its inner sides, a metal facing member of pan like form telescopically arranged interiorly of said frame and provided with out-turned flanges at the edges thereof, said flanges seating in the grooves of the frame, and heat insulation material disposed between said door panel and the lining and surrounding frame.

1,630,101. RUSTPROOFING OIL. ROBERT E. WILKIN, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Mar. 13, 1925. Serial No. 15,357. 2 Claims. (Cl. 134—1.)

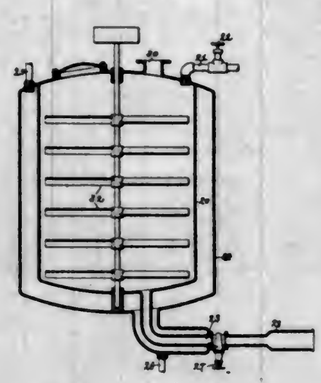
1. The method of protecting ferrous metal surfaces against rust and corrosion which consists in applying to the surface thereof a thin film of a hydrocarbon oil, heavier than gas oil, containing upwards of 3% of soaps of oil soluble sulfonic acids derived from the treatment of petroleum oils with strong sulfonic acid.

1,630,102. FOLDING TABLE. ARNOLD W. ZIMMERMAN, Chicago, Ill. Filed Sept. 14, 1925. Serial No. 56,172. 2 Claims. (Cl. 45—11.)



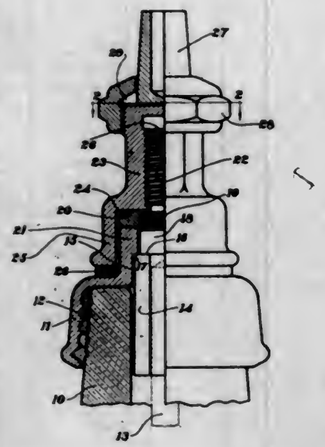
1. In a folding table, the combination of a top, latch means on the under side of said top, a plurality of table legs pivoted to said top and connected in pairs at the bottom thereof by bowed base members, a rigid brace rod attached to each of said base members, said latch means comprising metallic straps, each of said straps having one end bent and apertured and receiving the free end of one of the brace members and having the other end bent to form a spring adapted to engage said brace member to hold it in engagement with the first-mentioned end when the legs are in table-supporting position.

1,630,103. CELLULAR BODY OF ASPHALT AND METHOD OF PRODUCING THE SAME. JAMES HOWARD YOUNG, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 8, 1926. Serial No. 147,112. 8 Claims. (Cl. 18—47.5.)



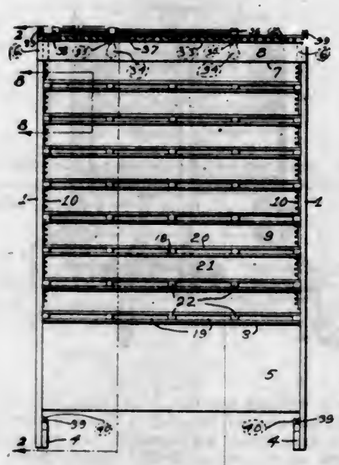
1. The method of treating asphalt to convert it from a non-cellular into a cellular condition, which consists in subjecting the non-cellular body to external pressure of a gas soluble in asphalt, and then reducing the external pressure upon the asphalt to permit the gas within the asphalt body to form bubbles therein.

1,630,104. CONDUCTOR TERMINAL FOR BUSHINGS. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 2, 1922. Serial No. 579,135. 10 Claims. (Cl. 173—353.)



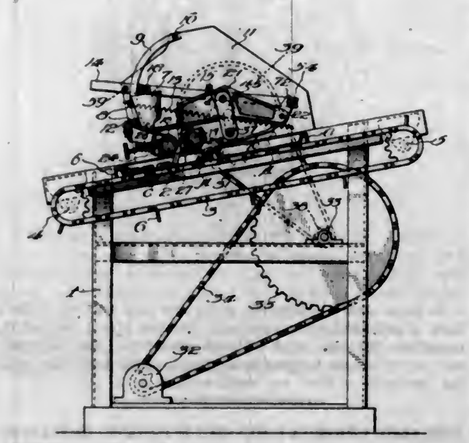
1. An insulator bushing having a conductor extending therethru, differential threads of the same direction on said conductor and a pair of holding members meshing respectively with the different threads on said conductor to prevent removal of one of said members by removing the other.

1,630,105. RACK. THOMAS THEODORE BERNARD, St. Louis, Mo. Filed June 29, 1925. Serial No. 40,433. 5 Claims. (Cl. 211—14.)



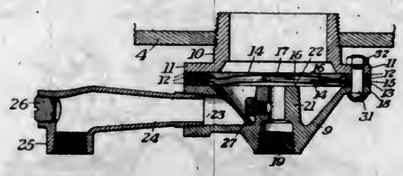
1. A rack of the character described comprising a series of shelves disposed at different heights and provided with respective flanges on their forward edges, some of the flanges being vertical transversely and others being inclined from a vertical position so as to present their respective outer faces approximately at a normal to the line of sight of an observer.

1,630,106. METHOD OF AND MACHINE FOR MOLDING ROLLS. HENRY S. BILDERBACK, Elk City, Okla., and CHARLES A. FRANKE, Little Rock, Ark. Filed Sept. 14, 1925. Serial No. 56,119. 13 Claims. (Cl. 107—8.)



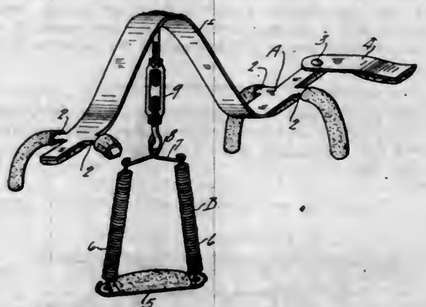
1. The method of forming a roll or the like having a parting therein, which consists in rolling out a piece of dough and at the same time forcing into it, between the rolled faces, a member partially to divide the same.

1,630,107. GAS STEAM RADIATOR. GEORGE W. BLACKMORE, Edgewood, Pa., assignor to Automatic Gas Steam Radiator Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1926. Serial No. 150,746. 6 Claims. (Cl. 236—26.)



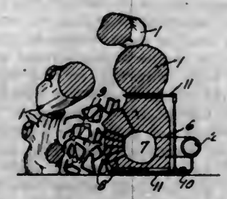
1. A pressure valve for radiators and the like, including a pair of flexible metal disks, a separating washer between the disks, a flexible arm on the washer, a button on the arm of a thickness substantially equal to the spacing between the disks, and a supporting structure for the disks.

1,630,108. SURGICAL OR ORTHOPEDIC APPLIANCE. JOHN BUCKOWITZ, St. Louis, Mo. Filed Feb. 27, 1926. Serial No. 91,116. 2 Claims. (Cl. 128—85.)



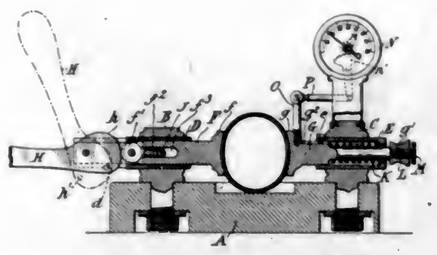
2. A surgical or orthopedic appliance including a rigid brace bowed intermediate its ends, adapted for application upon the body in operative location relatively to a limb and a joint thereof, and a sling comprising a carrier connected at an end to the brace at the crown of its bow, a pair of spaced elastic springs having connection at an end with the free end of the carrier, and a seat having connection with the free ends of the springs and adapted for engagement with the limb at said joint.

1,630,109. RADIANT GAS LOG. DEAN CHANDLER, London, England, assignor to South Metropolitan Gas Company, London, England. Filed Oct. 11, 1926, Serial No. 140,955, and in Great Britain Mar. 19, 1926. 2 Claims. (Cl. 126—92.)



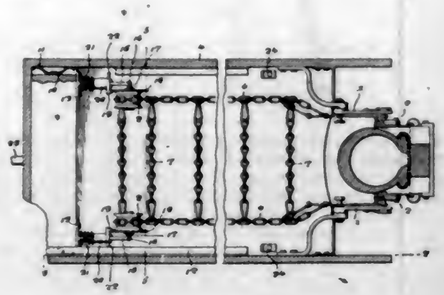
1. In a radiant gas log device, means for introducing through said log a mixture of gas and air to produce non-luminous flames and means for introducing through said log gas unmixed with air which is burned at points adjacent the non-luminous flames to produce luminous flames.

1,630,110. SQUASH-BALL TESTER. PHILIP GILLETT COLE, Forest Hills, N. Y., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 30, 1925. Serial No. 26,905. 5 Claims. (Cl. 73—111.)



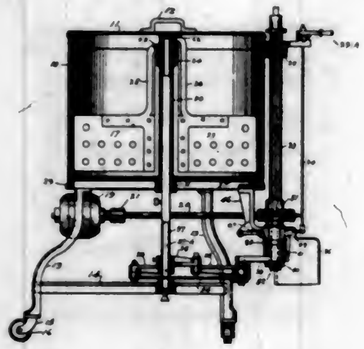
1. A device of the character described, having means for deforming by compression an inflated member, comprising a plunger which is movable a predetermined distance in the direction of compression of the member, spring-pressed means exterior of the member adapted to aid the compressing action and to be moved because thereof, and a gauge operable by the movement of said spring-pressed means for indicating the pressure within the member.

1,630,111. TIRE-CHAIN APPLIER. EARL E. CRONENWETH, Glendale, Calif. Filed May 17, 1924. Serial No. 714,119. Renewed Nov. 15, 1926. 3 Claims. (Cl. 152—14.)



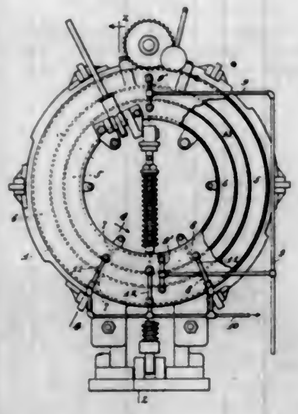
1. In combination with an automobile having means on the drive wheels thereof to engage with and to fasten there-around the ends of anti-skid chains, and housings disposed below the running boards having angle pivotally supported means on the sides thereof connected to one of the end links of the anti-skid chains, in combination with means for bodily moving the housings to arrange first one end of the anti-skid chains to engagement with the means on the wheels, and thereafter on the turning of said wheels to wind the chains around the wheels and to bring the second ends thereof into engagement with the said means on the wheels; of means for holding and guiding the chains in the housings, comprising each a follower block, frictional means between the ends of the block and the sides of the housing, rollers pivotally associated with the followed block, means holding the rollers at right angles to the follower block to arrange the same in a position to receive the side elements of the anti-skid chain therearound, and means for releasing said holding means to permit of the swinging of the rollers and the movement of the chain therefrom prior to the arrangement of the last side links on the wheel.

1,630,112. WASHING MACHINE. JOHN M. DEAGLE, Cataract, Ontario, Canada. Filed May 24, 1922. Serial No. 563,434. 6 Claims. (Cl. 259—132.)



1. In a washing machine, a circular tub, two paddle blades reciprocatingly rotating in opposite directions and having a fixed arcual displacement, two concentric vertical shafts rigidly mounting said blades, means adapted for rotatably supporting said shafts, and means adapted for actuating said shafts.

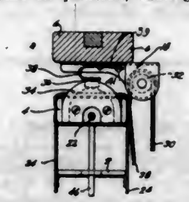
1,630,113. TIRE-VULCANIZING MOLD. PETER DE MATTIA, Passaic, N. J., assignor to De Mattia Brothers, Inc., Garfield, N. J., a Corporation of New Jersey. Filed Sept. 8, 1926. Serial No. 134,279. 2 Claims. (Cl. 18—38.)



1. In a steam jacketed mold for vulcanizing rubber tires a plurality of concentric, circular steam chambers, partitions dividing each of such chambers into independent sections and independent steam inlets and independent drainage outlets for each section.

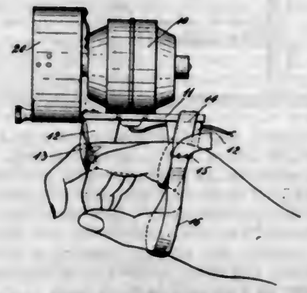
1,630,114. VENETIAN BLIND. WALTER E. DUNCANSON, New York, N. Y., assignor to The J. G. Wilson Corporation, New York, N. Y., a Corporation of Virginia. Filed July 7, 1925. Serial No. 41,944. 17 Claims. (Cl. 156—17.)

13. A Venetian blind comprising a tilting bar, slats connected with the tilting bar, means for pivotally supporting the tilting bar, cords connected with the tilting bar for tilting the same, and a brake for the tilting bar for holding the same in position, arranged to vary the



braking effect to compensate for the variations in leverage produced upon pulling the tilting cords with the bar in different positions.

1,630,115. MASSAGE VIBRATOR. LOUIS JOSEPH DUPREY, Dorchester, Mass., assignor of one-half to Hubert S. James, Brookline, Mass. Filed Sept. 23, 1925. Serial No. 58,075. 2 Claims. (Cl. 128—35.)



1. A massage vibrator comprising in combination an electric motor, a rigid shaft for said motor, an arm rigidly attached directly to said shaft at right angles thereto, a weight, means for securing said weight to said arm in adjusted radial position to regulate the degree of vibration, and means for applying said motor to the back of the operator's hand.

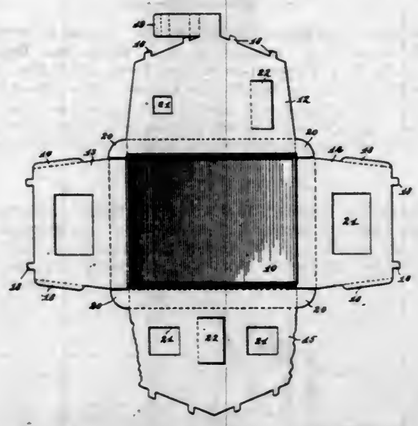
1,630,116. APPARATUS FOR TESTING ELECTRIC CIRCUITS. WILLIAM ELMENTHALER, Cleveland, Ohio. Filed Aug. 16, 1923. Serial No. 657,681. 8 Claims. (Cl. 175—336.)



1. An apparatus of the character described, including, a sleeve and a winding thereon, a base abutting one end of said sleeve, a washer abutting the other end of said sleeve, an armature supported on said base, a core having a head on one end thereof and threaded into said base at the other end thereof, and said washer and said base held against said sleeve by said head and the threaded engagement between said base and said core.

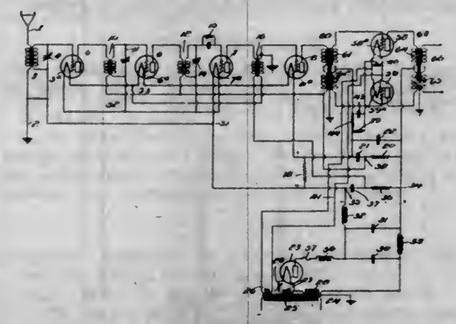
1,630,117. COMBINATION CANDY BOX AND TOY HOUSE. DAVID C. FAULKNER, New York, N. Y., assignor to The Moore Press, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 5, 1925. Serial No. 48,314. 2 Claims. (Cl. 46—37.)

1. A candy box and toy house, comprising a rectangular blank having an extension at each side and having score lines at the junction of the extension with the body portion to permit the extensions to be folded to form a box body and the walls of a house, said extensions having score lines to permit them to be folded over the box body and provided with tabs at their edges and with openings representing doors and windows when extended to form walls of the house, one of the extensions being provided at the center of its outer edge with an angular



flap adapted to be folded to represent a chimney, and a second blank having a score line to permit it to be folded to overlie the extensions and to rest on the upper edges of the said extensions to form a roof, said roof blank having openings to receive the tabs of the said extensions and having at the point of folding an opening through which the angular chimney flap projects.

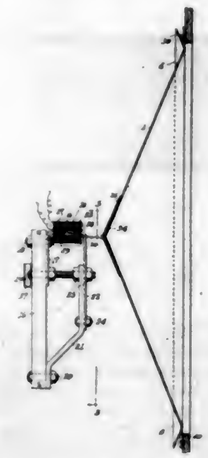
1,630,118. ELECTRON-TUBE AMPLIFYING APPARATUS. ROY S. FISHER, Philadelphia, Pa., assignor to Timmons Radio Products Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 6, 1925. Serial No. 41,635. 7 Claims. (Cl. 179—171.)



1. An amplification system comprising in combination a plurality of electron tubes each having a cathode, an anode and a control electrode, an input circuit for each of said tubes including said cathode and control electrode, an output circuit for each of said tubes including said anode and cathode, means interlinking the output circuit of each of said tubes with the input circuit of a succeeding tube, circuit connections to a source of alternating current, means for rectifying said current, a resistance net-work, connections including a filter system between said resistance net-work and said rectifying means, a pair of electron tubes having divided input circuits coupled with the output circuit of the last electron tube of the series, a series circuit including the cathodes of said first

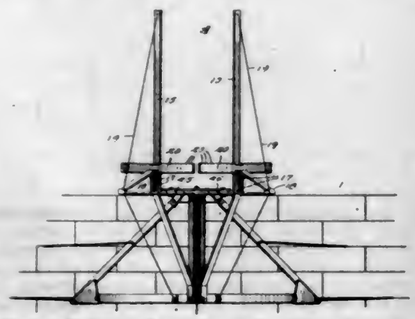
mentioned electron tubes and a portion of said resistance network in shunt with the space discharge path of said pair of electron tubes, connections for heating the cathodes of said pair of electron tubes from alternating current, and means connected in series with the control electrodes of said pair of electron tubes for eliminating the hum of alternating current in said receiving system.

1,630,119. TELEPHONIC SPEAKER. CLYDE J. FITCH, Brooklyn, N. Y., assignor to C. J. Fitch, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 20, 1926. Serial No. 96,153. 19 Claims. (Cl. 179—119.)



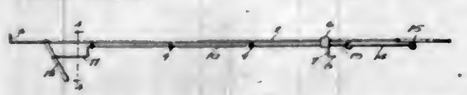
1. In combination, a permanent bar magnet, a polar projection extending from one end of said magnet, a rigid magnetic bracket secured to the opposite end of said bar magnet, a yieldable magnetic strip secured to said rigid bracket and having a polar projection opposed to the first polar projection, a magnet winding associated with said polar projections and a sound reproducing member connected with the flexibly supported polar projection.

1,630,120. COMBINATION GUIDE. CHARLES D. FREY, Charlotte, N. C. Filed Aug. 18, 1926. Serial No. 129,998. 8 Claims. (Cl. 33—85.)



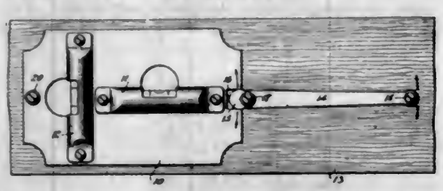
1. A device of the class described having upper and lower angle brackets to engage the corners of a wall, uprights securing said brackets together, means carried by the upper bracket to rest on the wall and support the device, said uprights having laterally offset portions, bars rising from said portions, and means carried by said bars to hold leads.

1,630,121. HOE. AMOS B. GARRETT, Tyler Woods, Pa. Filed Nov. 30, 1923. Serial No. 677,924. 2 Claims. (Cl. 15—104.16.)



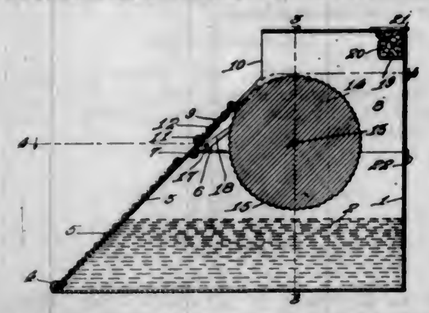
1. In a hoe of the class described, a bar, a blade hinged to one end of the bar, a rod, means for slidably mounting the rod alongside of the bar, links at one end of the rod, said links being connected to the blade, and a lever pivoted at one end to the bar and intermediate its ends to the rod all in the manner and for the purpose specified.

1,630,122. SPIRIT LEVEL. VICTOR EDWARD IVARSON, New Rochelle, N. Y. Filed Nov. 24, 1925. Serial No. 71,195. 1 Claim. (Cl. 33—214.)



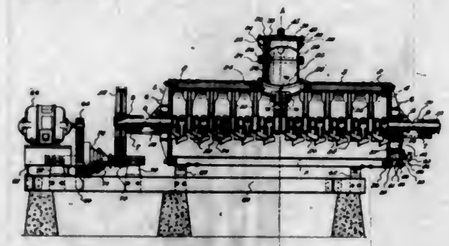
In a level, a base plate having a rectangularly shaped notch therein at one end, means at the other end whereby to pivotally mount said plate on a level body, a lever, means adapted to fulcrum the same pronouncedly nearer one end than the other end to provide a longer lever arm and a shorter lever arm, said shorter arm being provided with a rounded end portion cooperating with the sides of the notch, and means adapted to detachably secure the longer arm to the level body.

1,630,123. MOUSE TRAP. FRED KESEL and GORDON NICHOLS, Honeoye Falls, N. Y. Filed Dec. 10, 1926. Serial No. 153,933. 1 Claim. (Cl. 43—71.)



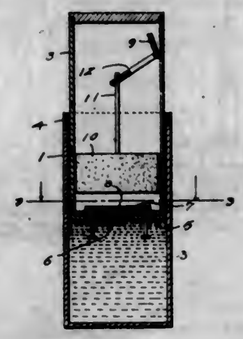
A mouse trap including a liquid receptacle having an inclined front, a frame thereon, a wire mesh having its edges secured in the frame, a top hingedly secured to the front of the receptacle and having depending flanges to embrace the sides and rear of the receptacle, said top having its front at the upper portion thereof open and the lower portion arranged at the same angle as the front of the receptacle, a frame on the closed front of the top, a mesh having its edges secured in said frame, a corrugated cylinder journaled in the top, and of a size to be projected above the closed front of the top, and partly into the receptacle, a horizontal partition between the closed front of the top and the cylinder, pivotally mounted dogs engaging the cylinder for holding the same from turning in one direction, and a flanged bait box removably received in the rear upper corner of the top and having a reticulated outer face.

1,630,124. COOKER. WILLIAM LAABS, Milwaukee, Wis., assignor to The Allbright-Nell Company, Chicago, Ill. Filed Mar. 20, 1926. Serial No. 96,314. 13 Claims. (Cl. 87—13.)



1. A pressure cooker comprising a drum including two open ended cylinders forming a jacket between them and having reinforced heads covering the ends of the jacket and cylinders, brackets integral with said heads extending in opposite directions endwise of the drum, horizontal shelves supported by said brackets and substantially spaced from said heads, a shaft extending longitudinally through said drum and journaled in bearings supported on said shelves, agitators secured to said shaft, stuffing boxes separate from the heads having portions projecting substantially through openings in said heads and adapted to provide packed pressure tight joints between said shaft and each of said heads, said openings being appreciably larger in diameter than the portions of the stuffing boxes projecting thereinto, means to rotate said shaft, means to supply steam to said jacket, and means to lead away vapors from said drum.

1,630,125. SHOCK ABSORBER FOR VEHICLE SPRINGS. JAMES T. LENN, Newburgh, Ind. Filed July 3, 1926. Serial No. 120,325. 3 Claims. (Cl. 188—88.)



1. A shock absorber for vehicle springs, comprising a cylinder containing a liquid, a hollow cylindrical plunger operating through an open end of said cylinder and provided with an opening communicating with said cylinder, a valve to seat in said opening and having an opening therethrough, a vent valve in said plunger, and float controlled means for actuating said vent valve.

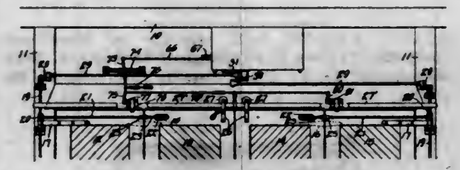
1,630,126. CAP OR SOCKET FOR INCANDESCENT ELECTRIC LAMPS AND THE LIKE. ANTOINE JEAN BAPTISTE MARSAT, Verrieres-le-Buisson, France. Filed Jan. 26, 1925, Serial No. 4,849, and in France Feb. 6, 1924. 2 Claims. (Cl. 176—32.)

1. In electric incandescent lamps and the like, a plug in two parts, the interior one being fixed with respect to the bulb and having a spherical part, whereby the parts can be inclined in all directions to one another, the exterior one being cylindrical and carrying means by which



it may be secured in position, the exterior part having openings adapted to receive the solder or brazing mixture for connecting the exterior part with the interior part.

1,630,127. ELECTRIC DOOR OPENER. CHARLES A. MARTINDALE, Anderson, Ind., assignor to The Reliable Machine Company, Anderson, Ind., a Corporation of Indiana. Filed Jan. 30, 1926. Serial No. 85,039. 9 Claims. (Cl. 268—63.)



1. The combination of a door frame, a door section hinged thereto, a track, a door section slidably connected to said track, hinges connecting the door sections, a rockarm at the outer side of the door extending at an angle to the plane of the door, a link connecting said rockarm to the second-named door section, a second rockarm rigidly connected to the first, a motor operatively connected to the second rockarm, a normally open circuit controlling the motor, and a manually operable switch in said circuit, substantially as set forth.

1,630,128. INCANDESCENT LAMP. OSCAR V. MAUREE, East Cleveland, Ohio. Filed July 17, 1925. Serial No. 44,365. 3 Claims. (Cl. 176—166.)

1. An incandescent lamp bulb having a filament consisting essentially of tantalum and an atmosphere consisting predominantly of argon and containing oxygen and nitrogen only in quantities too small to measure.

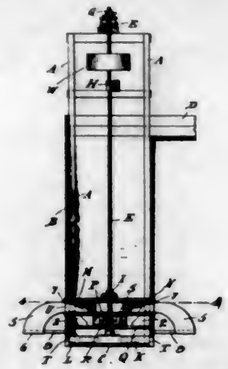
1,630,129. PROCESS OF PRESERVING FRUIT. REX DE ORR MCDILL, Winter Haven, Fla. Filed Oct. 21, 1921. Serial No. 509,394. 7 Claims. (Cl. 99—8.)

1. The process of preserving fruit consisting in forming an encasing film thereon by applying thereto a mixture of paraffine and a volatile solvent of paraffine.

1,630,130. ROTARY PUMP. SIDNEY LAWRENCE MENGE, New Orleans, La. Filed Sept. 4, 1926. Serial No. 133,690. 1 Claim. (Cl. 103—104.)

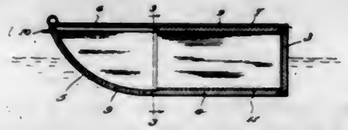
A rotary pump comprising a pump box, a pump chamber therebeneath and in communication with the pump box, a pump in said pump chamber, inlet chambers for the water above and below said pump chamber and communicating therewith, said upper inlet chamber being cruciform and water inlet boxes forming units and coupled detachably at the sides of said pump box, said

water boxes having small ends connecting with the ends of said cruciform chamber and having wider bell ends ex-



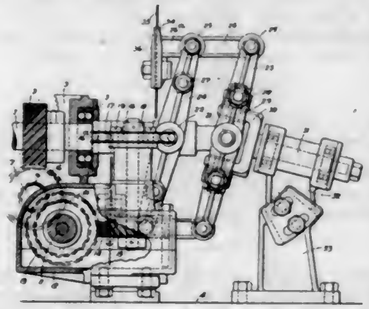
tending downwardly at a lower level than said pump, and arms extending from the pump box to said wider bell ends.

1,630,131. MINNOW BOX. GEORGE M. MESSINGER, Morganza, Pa., assignor of one-half to Harry A. Roat, Manchester, N. Y. Filed Nov. 4, 1925. Serial No. 66,784. 4 Claims. (Cl. 43—56.)



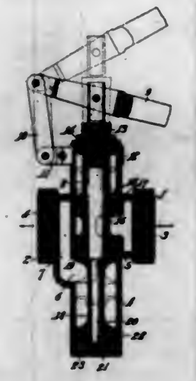
1. A minnow box of elongated form having the forward portion of its bottom deflected upwardly and forwardly and provided with a plurality of openings and having a door controlled opening in its top opposite the deflected end portion of the bottom, the rear portion of the box having its walls imperforate to retain water when the box is arranged in upright position.

1,630,132. CIGARETTE-MAKING MACHINE. WALTER EVERETT MOLINS, London, England. Filed Sept. 15, 1925. Serial No. 56,520, and in Great Britain Oct. 1, 1924. 16 Claims. (Cl. 131—37.)



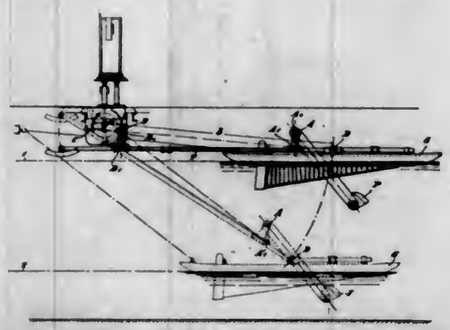
1. A cutting device for severing an axially moving rod into lengths comprising a shaft secured against axial displacement, a blade carried by and revolving about the axis of the shaft, and means, whose effective operation is dependant upon the revolution of the blade about the axis of the shaft, for moving the blade in the direction of the axis of the shaft.

1,630,133. PISTON VALVE. DANIEL R. MURPHY, Newark, Ohio. Filed Nov. 5, 1926. Serial No. 146,868. 4 Claims. (Cl. 251—75.)



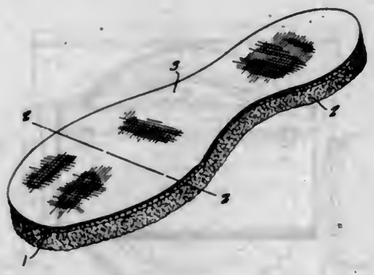
1. A valve of the reciprocating piston type, comprising a cylindrical casing having inlet and outlet ports therein, said ports being spaced apart lengthwise of said casing, a rod shiftable longitudinally through an end of said casing, an annularly channeled member carried by said rod, packings at opposite ends of said member, a sleeve threaded upon said rod and movable therewith through said end of the casing, said sleeve being adjustable for compressing said packings, said channeled member in the closed position of the valve being in register with the inlet port with one of said packings separating said ports, and being movable with said rod to an opposite position in which communication between said ports is opened, and means for shifting said rod.

1,630,134. FLOW INTEGRATOR AND RECORDER. CORRADO PUCCIONI, Rome, Italy. Filed Dec. 28, 1923, Serial No. 683,240, and in Italy Sept. 8, 1923. 6 Claims. (Cl. 235—61.)



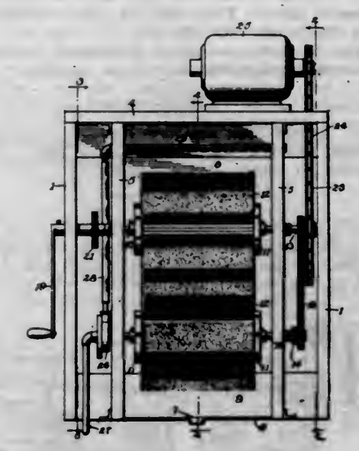
1. An improved apparatus for indicating the flow of water in channels comprising a fixed frame-work, a float connected with the frame-work, a blade mechanically connected with the float in such manner that the position of the float substantially controls the depth of the immersion of the blade, said blade being adapted to receive deviations corresponding to the speed of the water striking, calculating devices associated with the blade and float, and means for transmitting deviations of the blade and the movements of the float to the calculating devices, said calculating devices being designed to allow for the known shape of the channel and functioning to automatically indicate the quantity of water flowing in the channel.

1,630,135. INSOLE. CHARLES A. ROBERTS, Butte, Mont. Filed July 30, 1926. Serial No. 126,043. 1 Claim. (Cl. 36—44.)



An inner sole of the class described comprising a top layer of cork, fabric covering the upper face of the cork and a lower layer of sponge rubber, the lower layer being of much greater thickness than the cork layer.

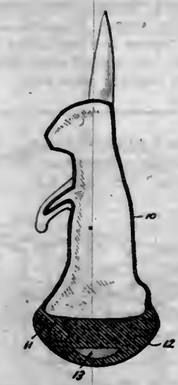
1,630,136. VEGETABLE WASHER. PHILLIP A. ROSS, Bradford, Pa. Filed July 21, 1926. Serial No. 124,028. 3 Claims. (Cl. 146—201.)



2. A vegetable cleaner comprising a supporting frame, rotary brushes carried thereby, a pipe for delivering water to the brushes, a pump mounted on the frame and adapted to supply the said pipe with water, power transmitting means for the pump and brushes, and a main frame enclosing the supporting frame, brushes, pump and power transmitting means and having openings in its front and back for the passage of the vegetables to be cleaned.

1,630,137. GRAVITY-OPERATED FIGURE TOY. FRANK B. RUWWE, Eagle Lake, Tex. Filed July 21, 1925. Serial No. 45,101. 1 Claim. (Cl. 46—40.)

As an article of manufacture, a toy consisting of a relatively thick solid base formed of sponge-like rubber with a lower spherical globular surface, a weight having a similar bottom surface eccentric to the first bottom surface, said base in cross section having a substantial diameter and having an edge extending around the greater diameter of the base, said edge being arcuate in cross section, and a light hollow upstanding figure forming an integral part of the base, the hollow figure



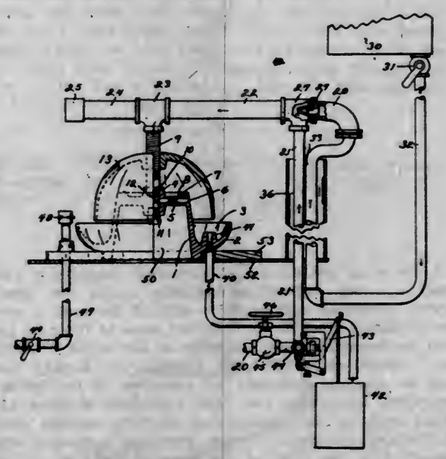
being of less diameter than the greater diameter of the base, whereby the weighted base will maintain the figure always in an upright position.

1,630,138. LINER. ADAM E. SCHERTZ, Norwood, Pa. Filed June 23, 1924. Serial No. 721,855. 1 Claim. (Cl. 22—203.)



The herein described method of forming nozzles without the use of a core or core box and comprising in first forming a liner in the shape of the passage desired and then casting the body around the liner.

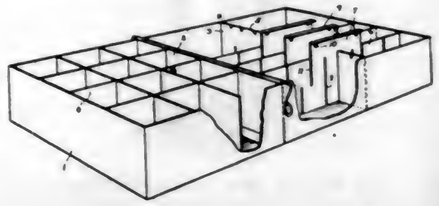
1,630,139. HYDROCARBON BURNER. HERMANN A. SEKOWSKY, Milwaukee, Wis. Filed May 11, 1925. Serial No. 29,399. 9 Claims. (Cl. 158—56.)



1. A hydrocarbon burner comprising a hollow tapered member provided with an annular encircling channel and a spider-shaped top portion having radially extending ducts, a fuel supply pipe leading downwardly into the

spider-shaped top portion and communicating with said radial ducts, a bell-shaped regulating member having threaded engagement with said fuel supply pipe and vertically adjustable thereon, the lower margin of said bell-shaped member being disposed above said annular channel, and means for supplying hydrocarbon fluid to said pipe across the heated zone produced by burning fuel escaping from beneath said bell.

1,630,140. BAKING RECEPTACLE. HENRIETTA G. SIBBALD, Duluth, Minn. Filed Dec. 20, 1924. Serial No. 757,092. 1 Claim. (Cl. 53—6.)



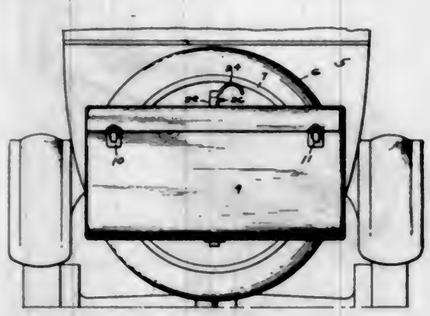
The combination with a baking receptacle of the character described having adjustable partitions with spaced slots therein, of a partition greater in width than said adjustable partitions having slots therein for interlocking engagement with said adjustable partitions, and also slots therein for wholly straddling said adjustable partitions.

1,630,141. EXIT LATCH. JOHN OTTO SOEMER, Newark, N. J. Filed Nov. 22, 1924. Serial No. 751,486. 6 Claims. (Cl. 292—92.)



1. Latching mechanism for exit doors, comprising two operating rods extending vertically across the door, latches connected with opposite ends of the rods, a center housing into which the adjacent ends of the rods extend, an operating instrumentality on the center housing, and connections within the housing for moving the rods in opposite directions on actuation of the instrumentality, comprising two links connected at their adjacent ends to one another and at their opposite ends to the rods to form a jointed lever and a pivoted arm connected to the joint of the lever at the free end of the arm to permit swinging movement of the joint in a direction transverse to the direction of movement of the ends of the lever while constraining the joint against movement in the direction of movement of the heads.

1,630,142. DETACHABLE TRUNK FOR AUTOMOBILES. WILLIAM RUSSELL SPAULDING, Independence, Kans. Filed Oct. 4, 1926. Serial No. 130,401. 9 Claims. (Cl. 224—29.)

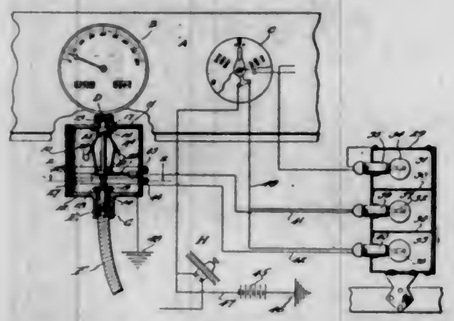


1. The combination with a trunk or like container, of complemental gripping means movable back and forth across the rear face thereof and having parts projecting perpendicularly to the back of the trunk adapted to engage the spare tire structure of an automobile at substantially opposed diametric points of the latter.

1,630,143. FLOUR IMPROVER. ELIZABETH J. SULLIVAN, Minneapolis, Minn. Filed Aug. 26, 1926. Serial No. 131,819. 5 Claims. (Cl. 99—10.)

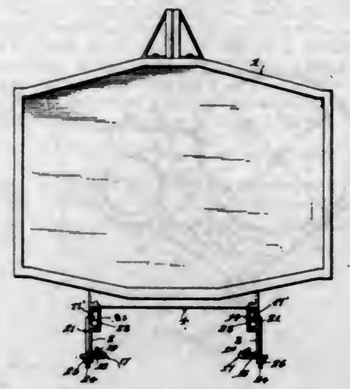
1. A flour improver consisting of calcium acid phosphate, ammonium choloride and calcium sulphate.

1,630,144. AUTOMATIC SIGNAL DEVICE. JAMES R. TOLLIVSON, Camden, Ark. Filed Oct. 19, 1925. Serial No. 63,460. 1 Claim. (Cl. 200—80.)



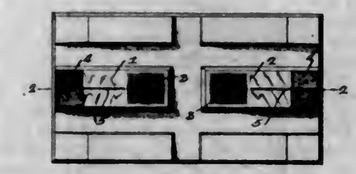
In a speed responsive mechanism, a shell formed of metallic end walls and a side wall of cylindrical shape and of insulating material, a shaft journaled axially of said casing, means for rotating the shaft, a plurality of contact rings recessed into the wall of the casing and flush with the inner surface thereof, binding posts extending radially from said rings and through the shell, binding nuts upon said last named members, a collar fixed upon said shaft, ears carried by said collar, arms pivoted upon said ears and terminating in flyballs, a collar slidably and non-rotatably mounted upon the shaft and provided with ears, arms pivotally connected with said second named ears and with said first named arms, and an arm member carried by the second named collar and terminating in a contact brush adapted to engage said contact rings.

1,630,145. TRUCK-BODY MOUNT. SIMEON E. TRAVIS, Jr., Hattiesburg, Miss. Filed Mar. 17, 1926. Serial No. 95,331. 2 Claims. (Cl. 296—35.)



1. A truck body mount comprising in combination, a chassis, a truck body supporting structure mounted thereon, spaced coupling members positioned against the bottom of each side of the chassis, each of said members straddling the inner side edge and projecting from the outer side edge of that bottom with which it is associated, connecting bars extending into the sides of said supporting structure and each having means at its upper end for connecting it to such structure, each of said bars depending from the supporting structure and extending through that portion of a coupling member extended from the chassis, and means mounted on the lower ends of said bars and abutting against said members for clamping the members and bars together.

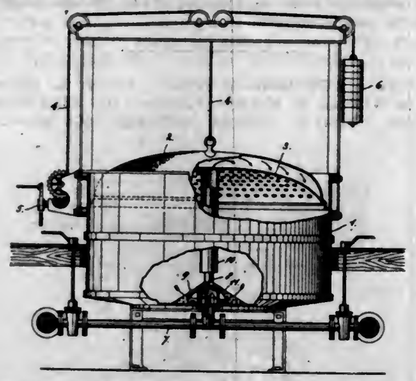
1,630,146. HÆMACYTOMETER. SIMEON TRENNER, Philadelphia, Pa., assignor to the Firm of C. A. Hausser & Son, Philadelphia, Pa., consisting of Carl Adolph Hausser and Anthony Adolph Hausser. Filed Aug. 25, 1925. Serial No. 52,366. 9 Claims. (Cl. 88—40.)



1. A hæmacytometer counting chamber including a ruled area, a clearly defined and immediately distinguishable surface for focusing, and distinctive guide means extending from said surface in the direction of said ruling.

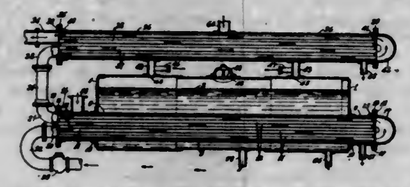
1,630,147. PROCESS FOR EXTRACTING THE PURE CELLULOSE FROM THE BAGASSE OF SUGAR CANE. ERNEST CHARLES HEMMER VALET, Mexico City, Mexico. Filed Aug. 9, 1926, Serial No. 128,305, and in Mexico June 14, 1926. 5 Claims. (Cl. 92—9.)

1. A process for extracting the pure cellulose from the bagasse of sugar cane, which consists in first treating the bagasse with a solution of 3 to 5% of lime, in boiling it afterwards under pressure in a solution of about 6% of caustic soda combined with a solution of 2 to 3% of sodium salts until all the foreign matter has been dissolved and separated from the cellulose, in cleaning the



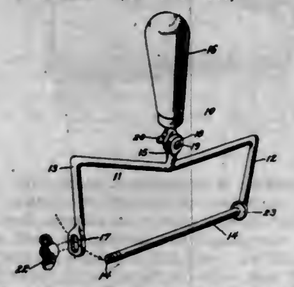
cellulose thus obtained with fresh steam after having drawn off the solutions, and in bleaching the pure cellulose.

1,630,148. HEAT-EXCHANGE APPARATUS. AQUILINO R. VILA, Habana, Cuba, assignor to Compania Cubana Economizadora de Combustible S. A., Habana, Cuba, a Corporation of Cuba. Filed Oct. 25, 1924, Serial No. 745,796, and in Cuba Oct. 2, 1924. 2 Claims. (Cl. 257—240.)



1. A heat exchange apparatus which comprises a tank adapted to receive a supply of cold liquid to be heated, a tube heater longitudinally arranged throughout the lower part of the tank, a second tube heater arranged outside the tank means for admitting a heating fluid to the space around the tubes of each heater, a pipe connecting the outlet from the tubes of first heater to the inlet to the tubes of the second heater, and a pump interposed between the tank and the first heater to cause the cold liquid from the tank to circulate first through the tubes of the heater inside the tank and then through the tubes of the heater outside the tank.

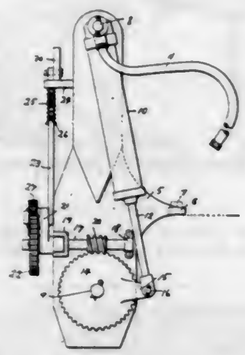
1,630,149. MASSAGE APPARATUS. WILLIAM WAHRT, Brooklyn, N. Y. Filed Apr. 1, 1925. Serial No. 19,922. 2 Claims. (Cl. 128—57.)



1. A massage apparatus comprising a frame formed of a pair of pivotally connected sections, a spindle on one of said sections, rollers carried by said spindle adapted to

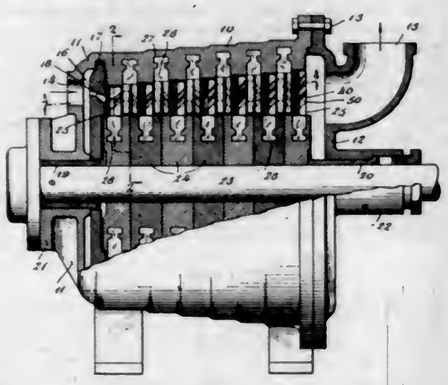
swing in the same plane, the free end of said other section engaging the end of said spindle, and a retaining nut removable from the free end of said spindle for holding the rollers thereon.

1,630,150. AUTOMOBILE PUMP. AUGUST L. WELSCH and WILLIAM H. WELSCH, Valmeyer, Ill. Filed July 6, 1926. Serial No. 120,723. 3 Claims. (Cl. 230—27.)



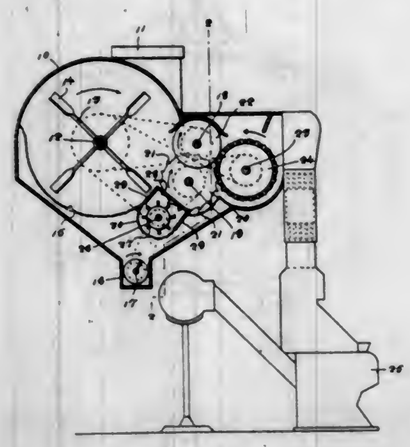
1. A device of the class described including a frame, a pump, mechanism for driving the pump, a gear operatively associated with said mechanism, an arm rockably mounted on the axis of said gear, a stub shaft carried at the free end of said arm, a second gear rotatably on said stub shaft meshing with the first gear, a bracket projecting from the frame, a rod slidable through an opening in the bracket and engaged with the arm, a pin projecting through the rod, a spring disposed about the rod impinging against the pin and the bracket.

1,630,151. TURBINE. HERMANN T. WERBER, Brooklyn, N. Y. Filed Oct. 27, 1923. Serial No. 671,190. 5 Claims. (Cl. 253—69.)



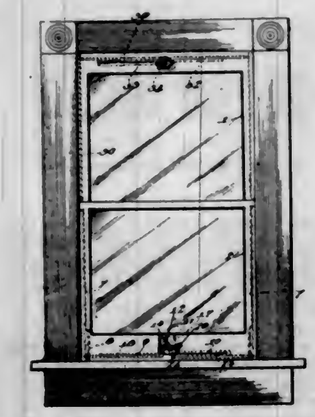
1. In a turbine, a plurality of stator and rotor elements each consisting of a plurality of blades arranged in spaced relationship, each of said blades having a pair of radially extending walls inclined to each other and to the longitudinal axis of said turbine, means extending from one of said walls to the adjacent blade and forming therewith an expansion chamber, and means extending from the other of said walls and forming therewith a plurality of inclined nozzles.

1,630,152. CLEANING MACHINE. ALVIN LUKE WILLIAMS and MELFORD OWEN WILLIAMS, Lufkin, Tex., assignors to R. B. Cozart, Lufkin, Tex. Filed Apr. 11, 1925, Serial No. 22,382. Renewed Mar. 23, 1927. 6 Claims. (Cl. 19—35.)



1. A cotton cleaning machine comprising a casing, a hopper communicating therewith adjacent one end thereof, a conveyor operating within the casing for feeding the cotton longitudinally thereof, said conveyor including a plurality of spirally arranged beater arms, a series of spaced rotating saws against which the cotton is beaten by said arms, a series of rotating disks operating between the saws and cooperating therewith to extract the cotton from the burrs, means whereby the conveyor and said saws and disks are rotated in one direction, and means for removing the cotton from the saws onto the belt of a gin.

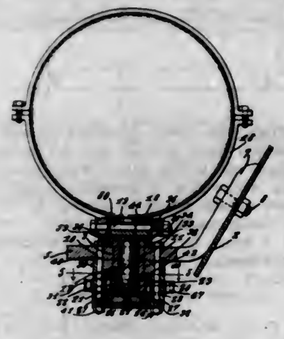
1,630,153. SASH FASTENER. JOHN THOMAS WILLIAMS, Los Angeles, Calif. Filed Jan. 13, 1925. Serial No. 2,205. 2 Claims. (Cl. 292—40.)



1. A sash fastener comprising in combination a vertically slidable sash, said sash having a vertical channel in a side bar thereof and having a horizontal channel in a horizontal bar thereof opening at one end into

the vertical channel, a vertical ratchet bar partially received in said vertical channel, said ratchet bar having a vertical series of teeth on its inner face, each of said teeth having a flat horizontal upper face and a sloping lower face, a latch bolt axially movable in said horizontal channel, a spring urging said latch bolt to position to engage with said teeth to prevent downward movement of the sash when the latch bolt is in contact with the upper face of any one of said teeth, and a handle disposed in countersunk relation to the inner face of said top bar of the upper sash and operable to move said latch bolt axially out of engagement with said teeth.

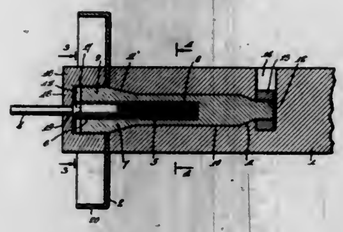
1,630,154. CONTROLLING MECHANISM FOR HEADLIGHTS. ADAM B. WILSON, Philipsburg, Pa. Filed Nov. 26, 1926. Serial No. 150,889. 5 Claims. (Cl. 240—62.)



5. A controlling mechanism for a pair of dirigible headlights for motor vehicles, the combination with a pair of rotary headlight posts connected at their upper ends to the headlights, a bearing sleeve for each of said posts, bearing means carried by said sleeves for the headlights, stationary housings enclosing said sleeves and posts, a gear loosely surrounding each of said posts below a sleeve, a reciprocatory rack element common to said gears for revolving them, a controlling spring surrounding each post and interposed between a sleeve and a gear and anchored at one end to the post and at its other end to a housing, said posts and gears having coacting elements for detachably connecting the posts and gears together when the gears are revolved to provide for the rotating of the posts in such a manner that the headlight on that side towards which the vehicle is steered will be turned in the direction of steering when the other headlight is revolved to retain its normal or straightahead position, said coacting elements surrounded by said gears, and means connected directly to said rack element and operated from the steering mechanism of the vehicle for reciprocating the rack element to provide for the operation of the gears.

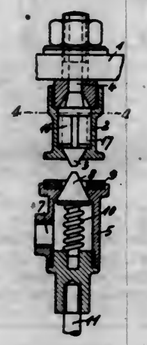
1,630,155. CARPET SPOOL. WILLIAM H. WILSON, Burlington, Vt., assignor to Vermont Spool & Bobbin Company, Burlington, Vt., a Corporation of Vermont. Filed Dec. 31, 1926. Serial No. 158,313. 6 Claims. (Cl. 242—123.)

1. A carpet spool comprising a body, a pair of heads and means for holding the heads in place, each of said means comprising a supporting shaft, a nut for each shaft for locking the respective shafts to the body, each of said shafts having a bore extending inwardly from one end, a journal pin associated with each shaft, each of the journal pins having an enlargement whereby the respective enlargements may fit into the bores of the respective shafts, a spring arranged in each of the bores for urging the respective pins outwardly, and a



clamping nut screwed onto the outer surface of the end of each of said supporting shafts for clamping the respective heads to the body, each of said nuts being formed with an apertured end, said ends being positioned to guide and support the respective pins and limit the outward movement of the pins.

1,630,156. DEVICE FOR CHARGING AND DISCHARGING COMPRESSED-AIR CONTAINERS. AUGUST ABEL, Leipzig, Germany, assignor to the Firm Atlas-Werke Pohler & Co., Leipzig-Stotteritz, Germany. Filed Apr. 23, 1926, Serial No. 104,240, and in Germany Mar. 17, 1925. 6 Claims. (Cl. 12—37.)

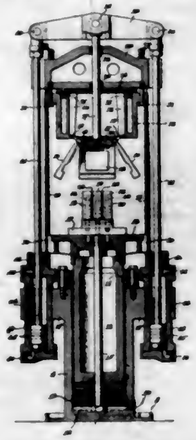


2. In a charging and discharging device for a group of movable compressed air containers, a combined inlet and outlet valve on each of the containers, a supply valve separate therefrom and adapted to be moved in relation thereto, and means to first partly and then fully press the supply valve against the said inlet and outlet valve so as to first exhaust and then refill the container.

1,630,157. MOLDING APPARATUS. JOHN M. AHLGREN and JOSEPH V. BRETAUD, Detroit, Mich., assignors to American Rubber Products Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 26, 1926. Serial No. 104,641. 4 Claims. (Cl. 18—19.)

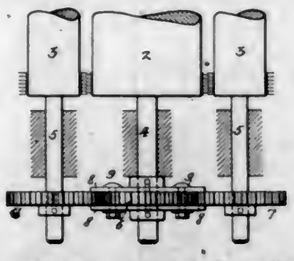
2. A molding and vulcanizing apparatus comprising a reciprocable ram, a heated stationary open bottom mold above said ram, a heated core on said ram and adapted

to be moved into and out of said mold, shiftable liners adapted to form a mold cavity in said mold, and means



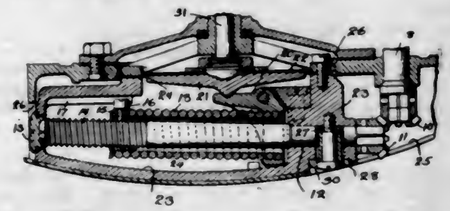
operatable adjacent said ram and independent of said ram adapted for shifting said liners in and out of said mold.

1,630,158. GARNETT MACHINE. THOMAS W. ALLEN, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1927. Serial No. 162,163. 6 Claims. (Cl. 19—97.)



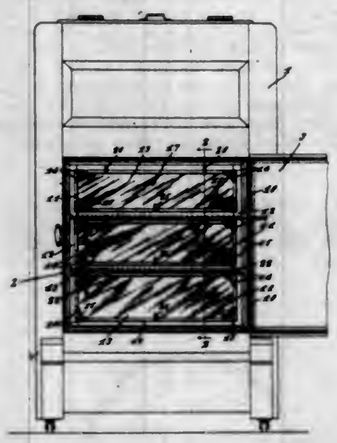
1. The combination in a garnett machine, of two cylinders, each cylinder having two sets of teeth, one set of teeth being of less height than the teeth of the other cylinder, and the teeth of one cylinder extending into the spaces beween the long teeth of the other cylinder.

1,630,159. TORPEDO. LOUIS J. BARRY, Newport, R. I. Filed Mar. 17, 1924. Serial No. 700,195. 5 Claims. (Cl. 114—25.)



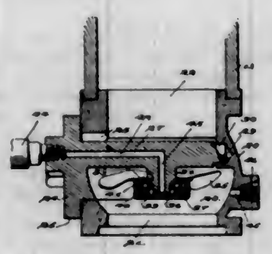
1. In a torpedo, in combination, a diaphragm for closing one side of an air chamber of which a second side is in metallic contact with the shell of the torpedo, means connecting said diaphragm with the horizontal rudder and means whereby said air chamber is completely surrounded by the water in which the torpedo travels.

1,630,160. REFRIGERATOR. BENJAMIN W. BAYLESS, Louisville, Ky. Filed Sept. 8, 1926. Serial No. 134,211. 7 Claims. (Cl. 62—31.)



1. In a refrigerator, means for retaining cold air within a storage compartment thereof and preventing the entrance of warm air to the latter when the refrigerator door is open comprising a normally closed removable, hinged closure corresponding in contour to the shape of the storage compartment and including a transparent member and a frame of flexible material extended laterally from said member.

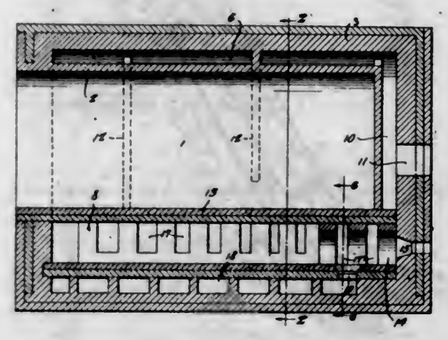
1,630,161. FUEL MIXER. HENRY BORNHEIM, Boston, Mass. Filed May 26, 1925. Serial No. 32,985. 6 Claims. (Cl. 48—180.)



1. A fuel mixer comprising a casing forming a section of an intake manifold having an opening in its wall, a fan support insertable through the opening and having a flanged portion forming a closure for the opening, a boss depending from the support and a fan mounted for rotation on the boss and means for supplying auxiliary air to the interior of the casing adjacent the fan.

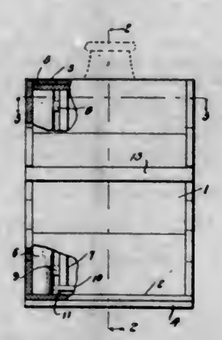
1,630,162. FURNACE. JAMES BOUCEK and JAMES HALICK, Cleveland, Ohio, assignors of one-third to Joseph Trefney, Cleveland, Ohio. Filed Nov. 5, 1926. Serial No. 146,424. 4 Claims. (Cl. 263—42.)

1. A furnace of the class described comprising an oven having its sides and top and back spaced from the interior walls of the furnace, a combustion chamber below the oven and having its front end in communication with the space between the oven and the interior walls of the furnace, baffles in the said space for causing the products of combustion to pass in a zigzag path to the rear of the oven, exhaust means at the rear of the furnace in communication with the space at the rear of the oven, a combustion space at the rear of the combustion chamber, means for introducing fuel into said space, an air chamber below the combustion chamber having its rear end in



communication with the combustion space, a passage extending from the front end of the air chamber through the rear of the furnace for admitting air into the air chamber and means for controlling the entrance of air into said passage.

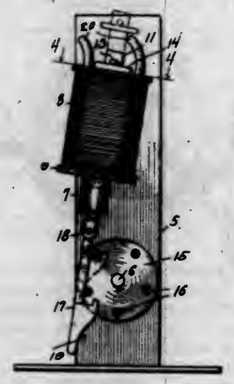
1,630,163. CARBOY. RICHARD H. BRADFORD, JOEL S. LA BARR, and PAUL H. THOMPSON, Paulsboro, N. J. Filed July 7, 1923. Serial No. 650,100. 2 Claims. (Cl. 217—54.)



1. In a shipping box for carboys, a plurality of resilient skeleton corner frames, composed of uprights of triangular cross-section having resilient spacing blocks, secured to the inner, flat faces of said uprights at their upper and lower ends, and resilient inner strips having their upper and lower ends secured to said spacing blocks and having their inner walls corrugated for contacting with the carboy.

1,630,164. MECHANICAL MOVEMENT. ELMER BRYANT, Lexington, Ky. Filed May 8, 1926. Serial No. 107,751. 6 Claims. (Cl. 74—54.)

1. A mechanical movement for converting reciprocating movement into step by step rotary movement, a rotatable shaft, a wheel fixed on said shaft and provided with spaced rigid laterally projecting pins, a reciprocating motor arranged above the axial center of the wheel having a reciprocable plunger normally arranged at one side



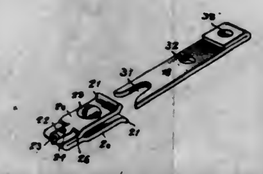
of the axial center of the wheel, and a ratchet pawl pivoted to the plunger for successive engagement with the pins.

1,630,165. TOY ANIMAL. RUBY A. BUTLER, St. Louis, Mo. Filed May 8, 1926. Serial No. 107,728. 2 Claims. (Cl. 46—40.)



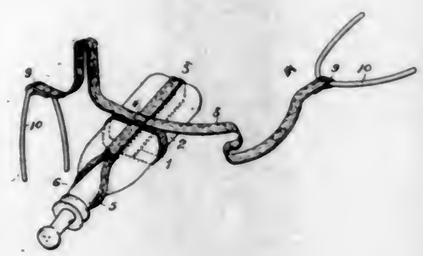
2. A toy animal comprising a stuffed envelope having body, leg and head portions, yarn strands, and strips carrying the yarn strands and secured to the envelope, two of said strips being secured together end to end along the upper side of the back portion of the envelope and having the strands carried thereby extending down along the sides of said portion of the envelope.

1,630,166. CONNECTER. HOYT CATLIN, Fairfield, and GEORGE B. THOMAS, Bridgeport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 13, 1922. Serial No. 552,099. 4 Claims. (Cl. 173—332.)



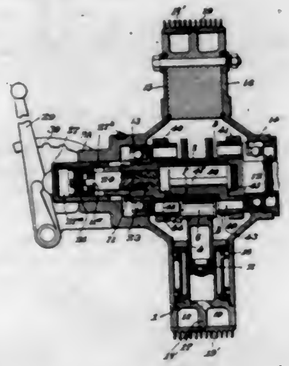
1. A connecter comprising an insulating body recessed to afford a plurality of contact chambers with guide slots opening thereto from one end of said body, contacts arranged in said chambers, each of said contacts comprising a strap of sheet metal folded back upon itself to form a pair of jaws spaced to receive between them an inserted jack terminal, together with a clamping screw passing through said jaws to clamp them upon the inserted jack, the body being apertured in register with said clamping screw to afford access thereto.

1,630,167. NURSING-BOTTLE HOLDER. PHILIP CARDARELLA, Kansas City, Mo. Filed Mar. 20, 1922. Serial No. 545,212. 1 Claim. (Cl. 248—65.)



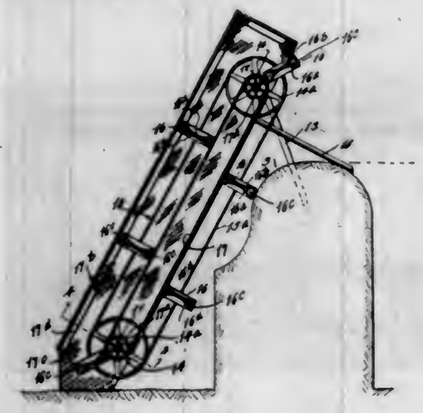
In a bottle holder of the kind described, a flexible band adapted to encircle a bottle, a second band adapted to embrace the bottom and sides of the bottle and attached to the first band at opposite sides thereof, the second band being attached transversely to the first band at one side thereof only at the edges of the latter, whereby at this point the two bands form a loop, and a strap slidably extending through said loop and adapted to have its ends attached to opposite sides respectively of a crib.

1,630,168. POWER TRANSMISSION BY HYDRAULIC MEANS. RAYMOND CAUT, Clichy, France. Filed Mar. 31, 1921, Serial No. 457,468, and in France Feb. 25, 1920. 5 Claims. (Cl. 103—38.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a pump the combination with the crank pin thereof, of a slide for controlling the eccentricity of the pin including a screw having a steep pitch directly connected with the end of the crank pin and an internally threaded sleeve operating on the screw, a slidably mounted tight cylinder, a piston head connected with the sleeve and dividing the cylinder into two chambers, one of which is adapted to contain a non-compressible fluid and the other air, a pivotally mounted lever, a stop carried with the lever and bearing against the outer end of the cylinder and a locking sector with which the lever is associated.

1,630,169. FISH ELEVATOR. JOHN H. COLEMAN, Hanford, Calif. Filed Aug. 11, 1925. Serial No. 49,677. 6 Claims. (Cl. 61—21.)



2. A device for carrying fish over a barrier, comprising an elevator adapted to be operated by the water flowing over the barrier, and means adapted to direct the fish into the elevator.

1,630,170. WASHBOARD. GEORGE W. COOK, Doniphan, Mo. Filed June 8, 1826. Serial No. 114,488. 3 Claims. (Cl. 68—29.)

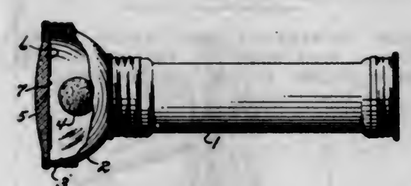


1. A washboard comprising a base frame including a baseboard, side bars forming guides, a separate rubbing board seated on said baseboard, and having its edges disposed in said guides, a clamping member for the upper end of the rubbing board having an angular flange forming the bottom of a soap receptacle, another clamping member for the bottom edge of the rubbing board and enclosing the bottom edge of the baseboard, and rods engaging the side bars and the clamping members to hold them in position.

1,630,171. LUMINOUS BODY. GEORGE M. CORAM, Utica, N. Y. Filed July 16, 1926. Serial No. 122,936. 1 Claim. (Cl. 240—1.)

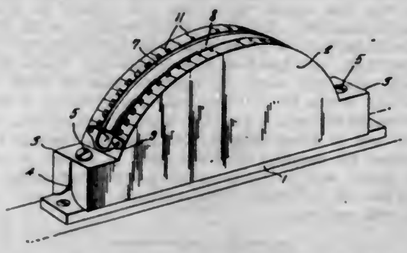
A device for the purpose set forth, comprising a body having a reflector on the outer end thereof, a globular

member centrally seated in the reflector and treated with a luminous substance, a lens on the outer face of the reflector and said lens having its inner face provided with



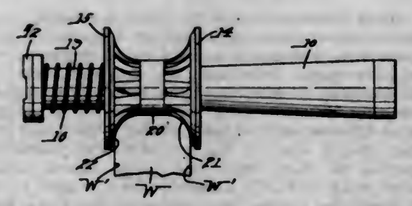
a circular strip of luminous substance and the center of the lens which is not treated with said substance being disposed opposite the globular body.

1,630,172. INCLINOMETER. CHARLES W. CUSTER, Quinter, Kans. Filed Aug. 16, 1926. Serial No. 129,524. 1 Claim. (Cl. 33—212.)



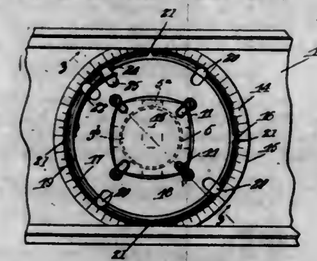
A device of the class described comprising a base plate, a casing having an arc-shaped upper edge, with extensions at its ends, one end being split, with the walls of the split curving outwardly to engage the corners of the plate, screws passing through the extensions and into the plate, a spring on the screw which passes through the split end extension for holding this end extension against the head of the screw, an arc-shaped bubble glass in the groove and the faces of the arc-shaped part at the sides of the groove being graduated with degrees of a circle.

1,630,173. DOUBLE CARVING CUTTER. JOSEPH DUMONT, Gardner, Mass. Filed Nov. 6, 1926. Serial No. 146,787. 5 Claims. (Cl. 144—134.)



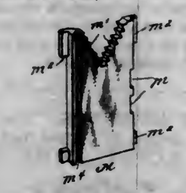
1. As an article of manufacture, a double cutter comprising a pair of rotary cutting members for molding the opposite edges of a piece of wood or the like, one of said cutters being fixed on its shaft to rotate therewith and the other being free, said cutters being connected with each other so as to cause both to rotate positively with the shaft but to permit one to slide thereon, yielding means for forcing the free cutter toward the fixed cutter, and a cylindrical guiding surface between the cutters for engaging substantially the center of a surface of the work between the edges that are to be molded.

1,630,174. COMBINED LEVEL AND PLUMB. EDWARD J. ELSAS, Kansas City, Mo. Filed June 8, 1925. Serial No. 35,683. 1 Claim. (Cl. 33—211.)



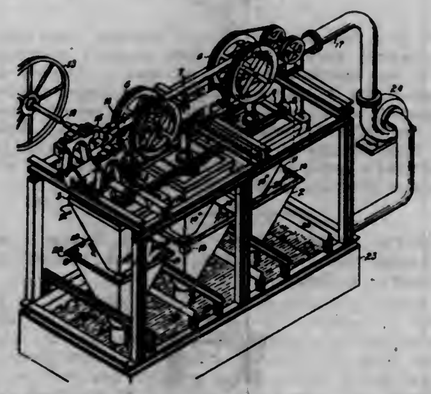
In a device of the character described, a body portion having an opening extending therethrough, a ring member having graduations formed thereon positioned within the opening, a disk-like member having a central opening adjustably secured to said ring member, a hollow body portion removably supported within the opening of the disk-like member, said hollow body portion containing a fluid, a bubble, and a movable solid body within the hollow body portion, and means for adjusting the disk-like body portion with respect to the ring member.

1,630,175. MATRIX FOR TYPOGRAPHICAL MACHINES. HERMAN R. FREUND, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 8, 1924. Serial No. 730,897. 6 Claims. (Cl. 199—64.)



3. A matrix for use in typographical machines having a groove in a side wall thereof which is curved from top to bottom of the body of the matrix.

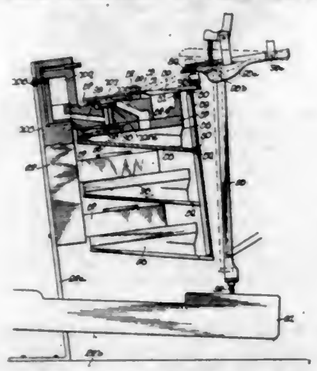
1,630,176. LIQUID RHEOSTAT. BERTRAM GRAY and ROBBINS CURTIS, Johannesburg, Transvaal, South Africa. Filed Jan. 5, 1925, Serial No. 625, and in Union of South Africa Jan. 11, 1924. 11 Claims. (Cl. 201—57.)



2. In a multi-phase liquid rheostat, the combination of downwardly tapered electrodes forming containers for the electrolyte, said container electrodes being fixed and

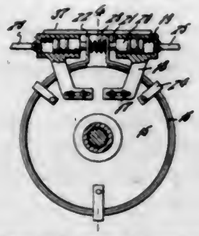
insulated, a plurality of corresponding uninsulated electrodes, a beam to which the uninsulated electrodes are attached, a plurality of rotatable pulleys, flexible means supporting the beam and wound on said pulleys, and means for rotating the pulleys simultaneously whereby the beam is raised and lowered parallel with itself.

1,630,177. PLAYER PIANO. CHRISTIAN GULBRANSEN, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1920. Serial No. 400,080. 2 Claims. (Cl. 84—69.)



1. In a player piano, a striking pneumatic having a hinged board, a hinged actuating lever, a rigid connecting member having flexible portions at its ends secured to said board and lever respectively, the entire connection between said member and said board and lever being completed through said flexible portions.

1,630,178. BRAKE MECHANISM. JOHN C. HARRINGTON, Manchester Depot, Vt. Filed July 13, 1925. Serial No. 43,340. 3 Claims. (Cl. 188—152.)



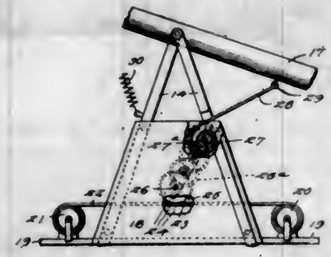
3. In a fluid operated brake, a rotatable brake drum, a relatively stationary brake band normally disengaged from and surrounding the drum, spaced outwardly extending ends for the band, fluid operated means including oppositely movable pistons positioned upon opposite sides of the outwardly extending ends of the band, means to force the pistons relatively inward to contract the band and a spring positioned between spaced ends of said band to yieldingly resist contraction.

1,630,179. BOTTLE CAP. MILTON T. HASEK, Cedar Rapids, Iowa. Filed Oct. 13, 1925. Serial No. 62,313. 1 Claim. (Cl. 215—51.)



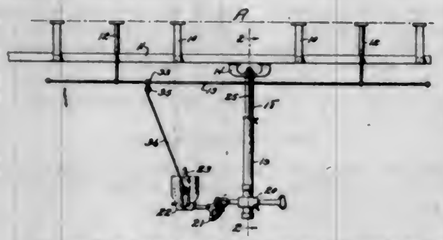
A milk bottle cap of circular formation having its under surface provided with a single centrally arranged groove extending from edge to edge, and a group of grooves extending across the central groove from edge to edge of the bottle cap and at right angles to the central groove.

1,630,180. SURVEYOR'S INSTRUMENT. ROBERT LEE HUFFMAN, South Miami, Fla. Filed Oct. 28, 1926. Serial No. 144,756. 1 Claim. (Cl. 33—66.)



In a surveying instrument for measuring distances, a sight tube, a second sight tube connected to and spaced from the first named sight tube and pivoted to swing upon its axis in a plane including the axis of the first named sight tube whereby said sight tubes may be converged upon an objective, a rotatable cam means connecting said cam with the shiftable tube to shift the same and means for rotating said cam including a shaft upon which the cam is mounted, a gear train driving said shaft and a longitudinally shiftable belt having perforations for coaction with the teeth of a gear of said gear train, said belt having graduations providing an indication of the distance to the point upon which the tubes are converged.

1,630,181. X-RAY APPARATUS. PAUL A. ISHERWOOD, West Chicago, Ill., assignor to H. S. Fischer Co., Chicago, Ill. Filed Feb. 16, 1926. Serial No. 88,632. 2 Claims. (Cl. 250—34.)

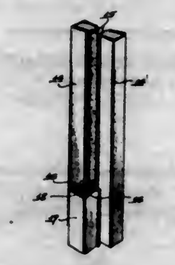


1. In an X-ray apparatus, an elevated trackway comprising a pair of spaced channeled rail members arranged in confronting relation, a carriage having rollers on the outer sides thereof travelling along said rails, said carriage including a depending cylindrical hollow member stationarily mounted with respect thereto, a tubular member telescopically engaged exteriorly upon said first named tubular member and provided with means for supporting an X-ray tube, said second named tubular member being vertically adjustable with respect to the first named for varying the height of the X-ray tube, trolley wires located at opposite sides of said trackway, carriages movably mounted along said trolley wires, and conductors connected with said last named carriages and with the terminals of the X-ray tube.

1,630,182. RAZOR-HONING DEVICE. EMANUEL JACOBS, Detroit, Mich. Filed Aug. 9, 1923. Serial No. 656,581. 1 Claim. (Cl. 51—211.)

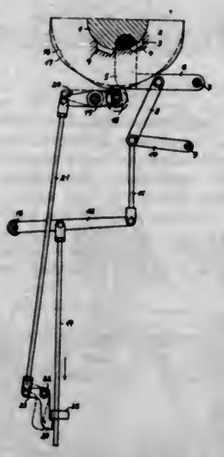
A sharpening device wherein a blade is adapted to be moved at substantially a right angle to the longitudinal

axis of said device, said device comprising opposed channel shaped holders having outturned extensions at one end forming wings, stones in said holders, filler pieces interposed between the wings of one holder and the wings



of the other holder and extending between said stones to space said holders apart, and U-shaped finger pieces clamping the filler pieces between the holder wings by engaging outer walls of said holder wings.

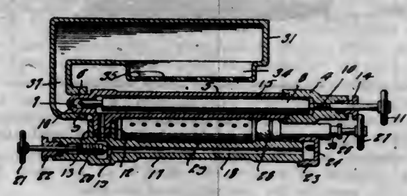
1,630,183. ROTARY-KEY CLUTCH. FERDINAND JOHN, Dusseldorf-Oberkassel, Germany. Filed Dec. 21, 1926, Serial No. 156,223, and in Germany Dec. 19, 1925. 5 Claims. (Cl. 192—29.)



1. A rotary key clutch including a rotatable member, a rotating member, a rotary clutch key associated with said members, a catch, the action of which is dependent upon the rotating member, for keeping the rotary key disengaged, and means for setting free the rotary key for the purpose of closing the clutch at a moment when it is possible for said rotary key to enter correctly into a corresponding recess.

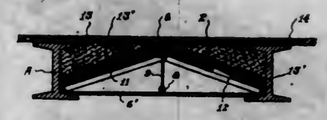
1,630,184. KEROSENE-GAS GENERATOR AND BURNER USING RADIANTS. SHELDON JOSEPH, Wheeling, W. Va., assignor of eighteen one-hundredths to J. Plumer Cole, sixteen one-hundredths to William B. Casey, and sixteen one-hundredths to Elmer H. Meagle, Wheeling, W. Va. Filed Feb. 6, 1926. Serial No. 86,613. 8 Claims. (Cl. 158—53.)

1. In a kerosene or coal oil burner, the combination of a gas manifold having gas radiants, means for regulating the flow of gas to the radiants, a valve controlled gas generator in communication with the gas manifold, said generator including a tubular casing, a cylinder of smaller diameter than the casing and terminating in a needle valve, a chamber having a passage in which the needle valve seats, said passage opening into the manifold leading to the gas radiants, means for supplying coal oil



under pressure to the generator, a Bunsen burner arranged in proximity to the generator and positioned under and at one side of said generator and a valve controlled pipe connection between the Bunsen burner and the generator.

1,630,185. FLOOR AND CEILING CONSTRUCTION. FURMAN M. KANDLE, Atlantic City, N. J. Filed June 12, 1925. Serial No. 36,695. 3 Claims. (Cl. 72—66.)



1. In a floor and ceiling construction, a plurality of metal mesh units, a U shaped spreading members centrally pivoted within said units to provide pyramidal forms with their inclined lower sides in floor material supporting position, and said units disposed in endwise formation between a pair of I beams.

1,630,186. COMBINATION KNIFE FOR PEELING ORANGES. HANSON C. KELLY, West Burlington, Iowa. Filed July 9, 1925. Serial No. 42,492. 3 Claims. (Cl. 146—3.)



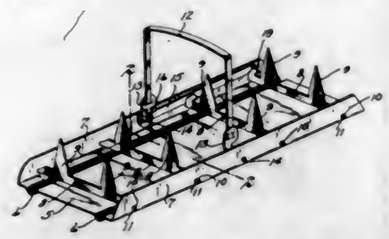
1. In an orange peeler, a cutting implement having a shank, a pointed blade forming an extension of said shank and arranged at one side thereof, said blade being sharpened on its two edges, a blade at the other side of the shank and extending laterally thereof, said blade being sharpened on its outer lateral edge, and another blade extended perpendicularly to the face of the second mentioned blade and curved in outline, said blade having its extended edges sharpened.

1,630,187. MOP-ASSEMBLING APPARATUS. MINOR KENNER, New Orleans, La. Filed Sept. 14, 1926. Serial No. 135,426. 5 Claims. (Cl. 300—1.)



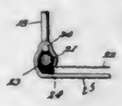
1. A mop assembling apparatus, including an internally grooved segmental ring adapted to be positioned around a member and receive a tying strand therein, said ring adapted to receive the strands of the mop yarn over the same in the assemblage of the mop.

1,630,188. HOLDER FOR BAKING POTATOES. ULYSSES G. KNAUFF, Minneapolis, Minn. Filed Jan. 13, 1926. Serial No. 80,953. 6 Claims. (Cl. 53—6.)



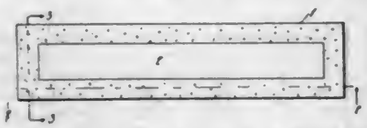
2. A holder for baking potatoes and the like comprising a base, a plurality of teeth mounted on said base for movements to and from projected operative positions, a handle connected to said base for movements to and from an operative position, and connections between said handle and teeth for moving the latter to operating positions when said handle is moved to an operative position and for moving said teeth to inoperative positions when said handle is moved to an operating position.

1,630,189. LAUNDRY CLOTHES-HANDLING APPARATUS. EMMA R. KNUDSON, Jewell, Iowa. Filed Jan. 19, 1926. Serial No. 82,349. 2 Claims. (Cl. 68—30.)



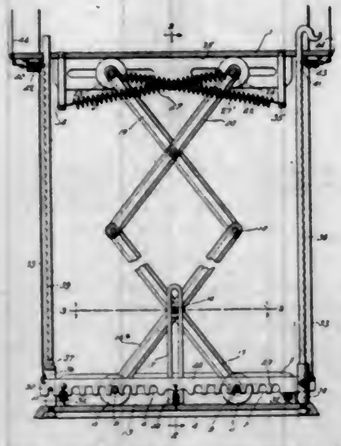
1. In apparatus of the character specified, a sling comprising a frame, a wire fabric covering the frame and secured at its marginal edge thereto, metal straps extending beneath the wire fabric from one side of the frame to the other and attached at their respective ends to the frame at opposite points, and arms pivotally connected to the frame by said straps which are bent around the frame and the pivotal ends of the arms.

1,630,190. COMPOSITE REENFORCED RAILWAY TIE. CHARLES W. LEE, Lock Haven, Pa. Filed Jan. 13, 1927. Serial No. 160,880. 1 Claim. (Cl. 238—90.)



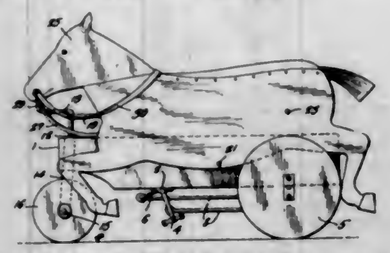
A railway tie, comprising a block of fibrous material extending longitudinally of the tie and terminating adjacent to the ends thereof, a shell of plastic material enclosing the ends, sides and bottom of the block and constituting therewith the tie aforesaid, a reenforcing element for the shell, comprising a rectangular frame surrounding the block and secured thereto, and a rod located under the block and having upturned ends engaging the ends of the frame.

1,630,191. SHOE-RAISING-PLATFORM DEVICE. CHARLES LIBERMAN, New York, N. Y. Filed Aug. 19, 1926. Serial No. 130,259. 6 Claims. (Cl. 304—1.)



1. A shoe raising platform comprising a lazy tong structure, a base associated with one end of the lazy tong structure, a platform associated with the other end of the lazy tong structure, a spring tending continually to distend said lazy tong structure, a vertically movable locking bar formed with means for locking the lazy tong structure against distention, and means extending from said bar to a position adjacent the platform whereby a person standing on a platform may move the locking bar to an unlocked position, and a spring for automatically returning said bar to a locking position when the bar is released.

1,630,192. WHEELED TOY. NELS MADSON, Coeur d'Alene, Idaho. Filed Aug. 24, 1926. Serial No. 131,235. 2 Claims. (Cl. 208—42.)



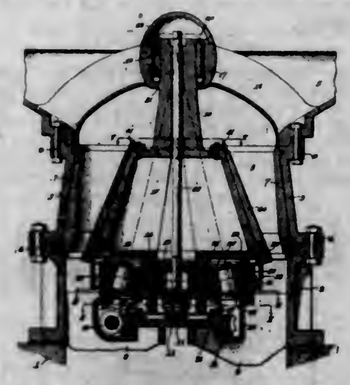
1. A wheeled toy as herein described, comprising a frame, spaced transversely arranged shafts journaled on the frame, ground wheels fixed on the ends of one of the shafts, the second shaft having cranked ends and provided with pedals, means between the shafts for imparting motion to the wheel carrying shaft when the pedal carrying shaft is turned, steering wheels between the forward ends of the frame, a mount therefor, a pivotally supported cranked rod associated with the mount and extending above the frame, a hollow body representing the figure of a galloping horse arranged over the frame and having its sides pivotally secured to the sides of the frame, means operated by the turning of the wheel carrying shaft for imparting a vertical reciprocatory movement to the hollow body, a head pivotally secured on the body, a strap having its ends secured to the sides of the head, and an arched yoke fixed to the head, depending therefrom and receiving the cranked rod therethrough, for the purpose set forth.

1,630,193. EYESHADE. AARON L. MALLORY, St. Petersburg, Fla. Filed June 26, 1926. Serial No. 118,655. 1 Claim. (Cl. 88—41.)



In an eye shade for spectacles, a pair of transparent colored discs adapted to be positioned upon the lenses of a pair of spectacles, a clip formed on the inner side edge of each disc and disposed inwardly in spaced relation with respect to the outer face of each disc, an elastic member having its end portion engaged within the opposed clips formed at the inner opposed edges of the discs for resiliently interconnecting the discs and a pair of clips formed on the outer side edge of each disc, said last mentioned pair of clips being arranged equidistant from the clip on the inner side edges of each disc, the outer clips being bent inwardly in spaced relation with respect to the inner face of the disc and adapted to engage over the rims of the lenses of the spectacles, one of said outermost clips having an opening for attaching a suspension cord thereto.

1,630,194. ROCK OR ORE CRUSHING MACHINE. JAMES GUNNELL MALONE and JOHN A. DORMER, Detroit, Mich. Filed Oct. 16, 1925, Serial No. 62,692. Renewed Nov. 12, 1926. 8 Claims. (Cl. 83—10.)

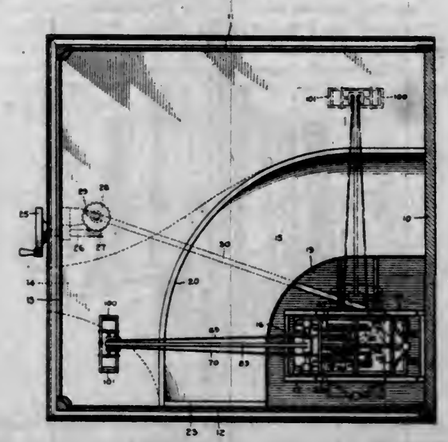


1. In a rock or ore crushing machine having a crushing chamber with a driven crushing head therein:—driving means for said crushing head, said means being located below said head and adapted to impart a gyratory motion thereto, said driving means including inner and outer race members with rollers therebetween and one of said race members provided with an undulating surface.

1,630,195. VENDING MACHINE. MORDICHA MARGOLITH, New York, N. Y. Filed Feb. 20, 1926. Serial No. 89,624. 43 Claims. (Cl. 221—146.)

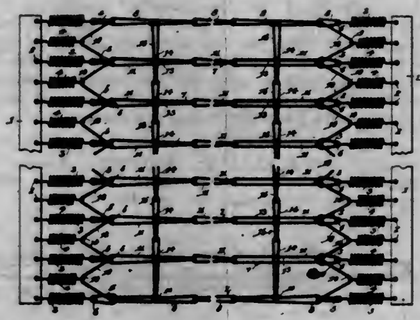
1. In a vending machine having a supporting platform for articles of merchandise, the combination of delivering mechanism, a source of driving energy, means operable by said source for causing the delivering mechanism to function, and independently operable means for initially moving the delivering mechanism into desired positional relation with respect to said articles.

24. In a vending machine having a supporting platform for articles of merchandise, delivering mechanism comprising a hoistable grasping scoop, a driving shaft, scoop-lifting means, locking means cooperating with the latter for normally holding the scoop in suspended position over said articles, a cam member driven by the shaft, and means operable by said cam member for releasing said locking means whereby the scoop will drop upon said articles at a predetermined time; said cam member comprising a hub portion having a cam surface, and said locking means comprising a cam-follower, and a spring constraining the follower to engage the hub portion.



41. In a vending machine having a supporting platform for articles of merchandise, delivering mechanism comprising a rotatable support, a beam horizontally pivoted at one end with respect to said support, a hoistable grasping scoop suspended from said beam and over said articles, a driving shaft aligned with the axis of said support, and means driving by said shaft for pivotally moving the beam at predetermined time intervals to shift the scoop with respect to said pivot, whereby rotation of the support may be effected independently of the positional relation of said shaft to position the scoop over desired articles, and whereby movement of the beam will transport grasped articles from their display locations.

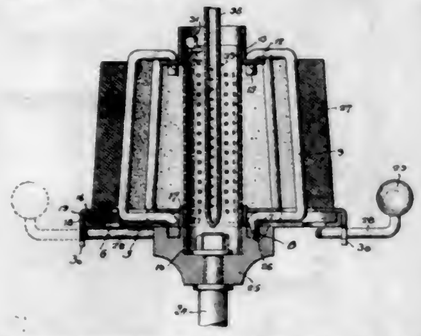
1,630,196. BEDSPRING FABRIC. WILLIAM H. MATTHEWS, Newburgh, N. Y. Filed June 4, 1925. Serial No. 34,937. 3 Claims. (Cl. 5—188.)



1. A bed spring fabric, comprising a longitudinally extending parallel series of link chains, each link being of elongated substantially U-shaped contour, means for

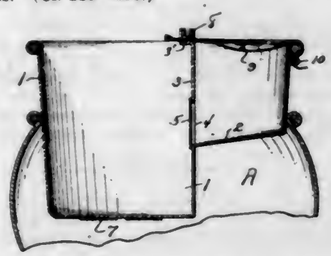
setting up a resilient connection between the end of each chain and an adjacent spring frame end bar, and a transversely extending parallel series of link chains, each of elongated substantially U-shaped contour and having the end link of each chain fixed to a link of an outer longitudinally extending chain and the other links of the body of the chain slidably extended between the legs of the links of the longitudinal elements substantially midway their length.

1,630,197. METHOD FOR USE IN THE MANUFACTURE OF ARTIFICIAL SILKS. DONALD A. MCKENZIE, Swarthmore, Pa., assignor to The Viscose Company, Marcus Hook, Del., a Corporation of Pennsylvania. Filed Dec. 28, 1923. Serial No. 683,213. 22 Claims. (Cl. 18—8.)



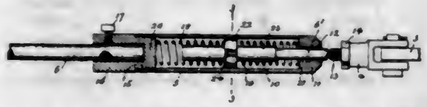
1. In the manufacture of artificial silk, the step of applying liquid to a rotating fiber cake simultaneously throughout the length of the cake axis to cause the liquid to pass through the cake by centrifugal force.

1,630,198. STRAINER. NATHAN ARTHUR MCMAHON, Durand, Wis. Filed Apr. 26, 1926. Serial No. 104,815. 3 Claims. (Cl. 210—155.)



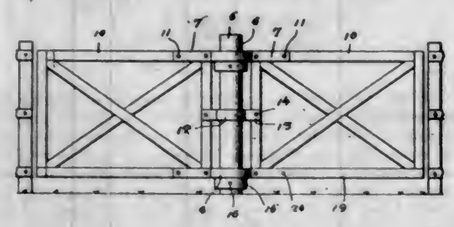
1. A strainer of the class described comprising a receptacle having one part of greater depth than the other, a partition dividing the two parts and having an opening at its bottom for permitting liquid to pass from the part of less depth to the other part, a screen covering the said opening and the bottom of the deep part having an opening and a screen covering the same.

1,630,199. ACCELERATOR CUSHION. GEORGE W. MEGNIN, Allendale, N. J. Filed July 23, 1926. Serial No. 124,540. 2 Claims. (Cl. 74—48.)



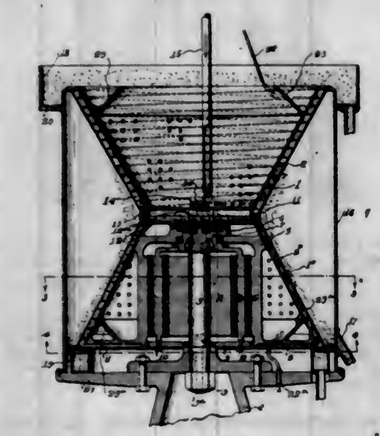
1. An accelerator cushion including a casing having an opening at one end, a rod receiving block removably connected to the other end, a sliding abutment arranged in the casing formed with an aperture extending therethrough, means extending from said abutment through said opening so as to connect said abutment with an adjacent object, and a spring on each side of said abutment for resiliently holding the abutment centered, the aperture in the abutment permitting air and lubricant to pass from one side of the abutment to the other as the abutment is moved.

1,630,200. GATE. AYRES P. MERRILL, Natchez, Miss. Filed Sept. 4, 1925. Serial No. 54,554. 1 Claim. (Cl. 39—84.)



A gate construction including a cross sectionally rounded post, upper and lower annular members secured on the post, each of said members having their upper faces concaved and dished from diametrically opposite points to provide tracks and to afford, at its said diametrically opposite points projections, and concaved walls between said projections, a gate comprising two sections, ring members having oppositely directed bifurcated arms which receive therein and have fixed thereto the respective gate sections, said ring members being disposed opposite the tracks and having journaled therein rollers which rest on the tracks, and a collar surrounding the post and having oppositely extending pairs of ears which receive therein and are fixed to the gate sections.

1,630,201. CENTRIFUGAL SEPARATOR. VIRGIL E. MERCALFE, Delicias, Oriente, Cuba. Filed Aug. 16, 1923. Serial No. 657,739. Renewed Apr. 6, 1927. 8 Claims. (Cl. 210—72.)

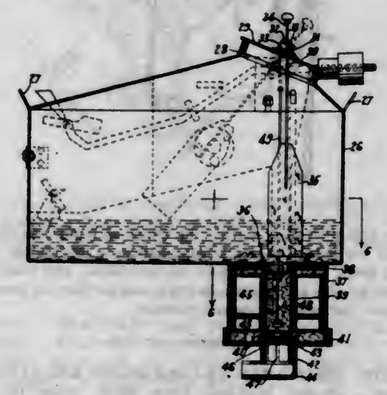


1. In a centrifugal separator, a rotatable annular screen, an inner rotatable conveyor coaxial with said screen, and means for varying the speed ratio of said rotatable screen and conveyor comprising electro-inductive means for operating said screen and conveyor.

1,630,202. METHOD OF COATING GASOMETERS. ROBERT MEZGER, Stuttgart, Germany, assignor to the Firm: Paul Lechler, Stuttgart, Germany. Filed July 10, 1925, Serial No. 42,841, and in Germany Sept. 11, 1922. 1 Claim. (Cl. 91—68.)

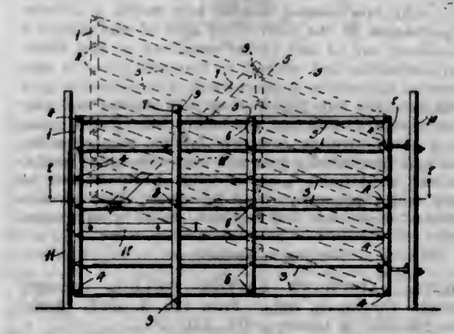
The method of protecting bells of gasometers against corrosion, comprising applying to the surface to be protected a coating consisting of a solution of a neutral bituminous substance in an oil having a high flash point and which does not dry by oxidation, and which is substantially non-volatile, and providing a body of the same solution in contact with the gas holder bell, whereby on being moved it will take up some of the solution.

1,630,203. COIN-ACTUATED LIQUID-DISPENSING MACHINE. ALFRED MIDDLETON, Lavender Bay, near Sydney, New South Wales, Australia. Filed Aug. 6, 1924, Serial No. 730,338, and in Australia Aug. 29, 1923. 3 Claims. (Cl. 221—114.)



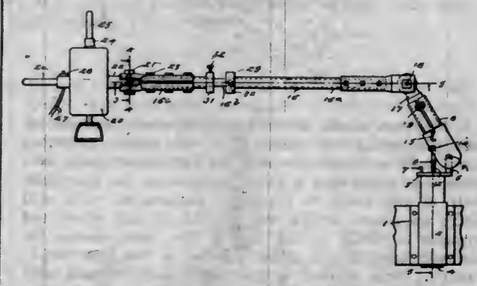
1. In a liquid dispensing apparatus, a chest having a pair of superimposed compartments separated by a substantially horizontally disposed partition having a central opening therethrough, a measuring chamber disposed in the upper compartment and having a valve port disposed substantially centrally above the said central opening, and a conduit leading laterally from the bottom of the valve port beyond the said central opening so as to from a baffle for preventing the said port discharging directly into the said central opening.

1,630,204. GATE. JAMES MILLARD, Steubenville, Ohio. Filed June 22, 1926. Serial No. 117,725. 1 Claim. (Cl. 39—80.)



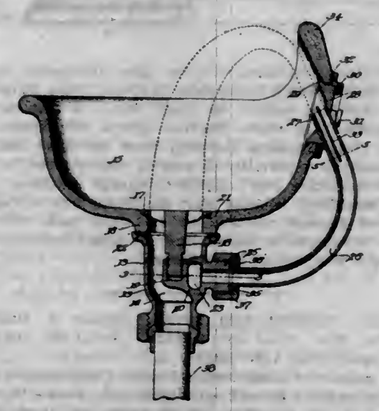
A gate, comprising end posts, longitudinal bars pivotally engaging said end posts, a pair of bars pivotally engaging said longitudinal bars intermediate of the end posts by pivots extending therethrough and through each of said pair of bars, another pair of bars arranged on the two sides of said longitudinal bars and pivotally secured to one of said longitudinal bars, said pair of bars extended above and below the gate, bolts secured to the extended ends of said pair of bars and adapted to clamp said bars in frictional engagement with the longitudinal bars, the gate being adapted to be adjusted parallelogrammatically to avoid obstruction thereunder and to be held in adjusted positions by clamping said pair of bars in engagement with the longitudinal bars, and the extended ends of said last mentioned pair of bars, below the gate, forming a support for the gate in its lowest position.

1,630,205. PORTABLE MOUNTING FOR ELECTRIC DRILLS. CECIL A. MOWLES, Drill, Va., assignor of one-half to William H. McIlhany, Bluefield, W. Va. Filed July 18, 1925. Serial No. 44,607. 3 Claims. (Cl. 255—52.)



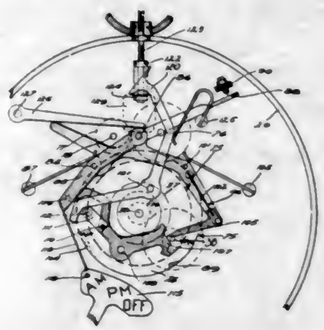
1. A mounting comprising, in combination with a support, a member connected to the support for movement about a horizontal axis, means yieldingly supporting the member, a rod connected to the member for adjustment about a horizontal axis, a drill, and means connecting the drill to the rod for angular adjustment with respect to the axis thereof.

1,630,206. INCLINED-NOZZLE DRINKING FOUNTAIN. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Apr. 23, 1923. Serial No. 633,938. 11 Claims. (Cl. 299—12.)



2. In a drinking fountain, a horizontally disposed supply pipe, a waste nipple having a horizontal supply passage, one end of said passage being connected to said pipe, a waste basin mounted on said nipple, a nozzle in the side of said basin remote from said nipple, and means connecting the nozzle to the other end of said supply passage.

1,630,207. MECHANISM-CONTROLLING ALARM IN CLOCKS. BASIL NEWTH and OCTAVIA NEWTH, Sydney, New South Wales, Australia. Original application filed Nov. 26, 1923, Serial No. 677,048, and in Canada Nov. 27, 1923. Divided and this application filed Aug. 16, 1924. Serial No. 732,477. 8 Claims. (Cl. 58—19.)



1. In alarm clocks, alarm actuating means and mechanism permitting the operation of said alarm actuating means only at a set time and for an interval only, said mechanism comprising a wheel mounted on the hour hand shaft of the clock in frictional engagement with said shaft; an alarm setting dial carried by said wheel and arranged centrally in the face of the clock; means for manually moving said wheel relative to the hour hand; a pair of rings carried by said wheel each provided with a notch, and a pair of levers each having a lug bearing against one of said rings and adapted to enter the notch therein, one of said levers, when actuated, permitting the alarm actuating means to operate and the other lever, when actuated, restoring the first lever to its normal position thereby silencing the alarm.

1,630,208. WINDOW ATTACHMENT FOR WINDSHIELDS. EMIL THEODORE NORBECK, Minneapolis, Minn. Filed June 10, 1925. Serial No. 36,162. 1 Claim. (Cl. 20—40.5.)



A window attachment for use upon automobile windshields comprising a rectangular resilient frame having a groove provided within its inner edges, a transparent plate having its edges received within the groove, a beveled strip extending obliquely from the outer edge of the frame and a plurality of suction cups secured to one side of the frame and adapted to engage the inner side of the windshield in order that the frame may be rigidly supported thereon whereby an air tight space will be defined therebetween, eliminating the usual frosting and assuring a clear vision therethrough.

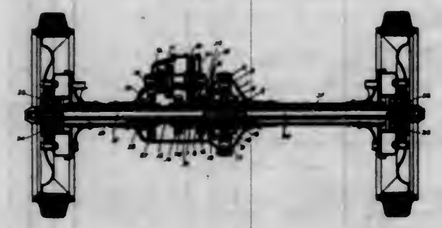
1,630,209. RESPIRATOR MASK. HARRY S. OLGAED, Kohler, Wis. Filed Apr. 9, 1926. Serial No. 100,883. 4 Claims. (Cl. 128—146.)

1. A respirator comprising a hollow frusto-conical face engaging member formed with cushioning means to abut the face of the wearer, a casing having an inset front wall provided with a foraminous upper part and a rearwardly inclined lower part, means within said casing to provide an upper air escape compartment, an intermediate air vestibule and a lower fresh air inlet compartment, means for connecting the casing to the front of and for establishing communication thereof with said body, said vestibule opening into said means, valve controlled passages for establishing communication between said compartments and the vestibule, said foraminous upper part of said wall forming the front of said air escape compartment, and a flanged cap member mounted upon said



casing and providing with said front wall an air escape passage for said air escape compartment, means for conveying fresh air to said inlet compartment, and said cap member having an opening in its lower portion to provide an outlet for said air escape passage.

1,630,210. REAR-AXLE TRANSMISSION MECHANISM. NELS L. OLSON, Highland Park, Mich. Filed Oct. 6, 1924. Serial No. 741,835. 1 Claim. (Cl. 74—57.)

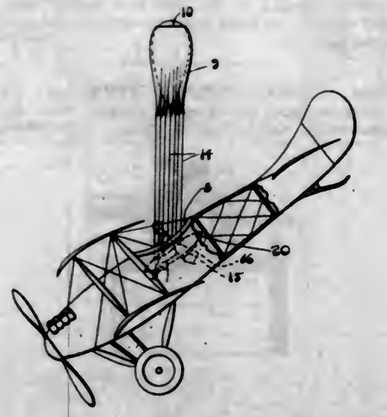


In a rear axle housing, aligning axle shafts, a differential mechanism at the confronting ends of said shafts, a sleeve about one of said shafts connected to said differential mechanism and adapted to transmit power to said differential mechanism, a worm wheel, a transmission gear having a hollow hub journaled in said housing and connected to said worm wheel, the hollow hub of said transmission gear providing clearance for the connection between said transmission gear and said differential mechanism and a shiftable gear on said sleeve adapted to engage said transmission gear for direct drive of said differential mechanism and said axle shafts by said worm wheel.

1,630,211. AIRCRAFT SAFETY DEVICE. JOSEPH OSTAND, Cincinnati, Ohio. Filed Feb. 3, 1927. Serial No. 165,573. 2 Claims. (Cl. 244—21.)

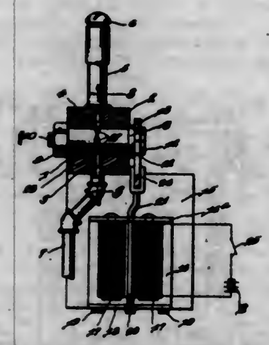
1. An aircraft safety device comprising a parachute, a balloon secured within and at the apex of the parachute, adapted to support the parachute in partially expanded

condition previous to complete expansion thereof, and an aviator-supporting buoy attached to the parachute, said buoy consisting of a substantially annular seat supporting inflated element, and an elongated inflated element at-



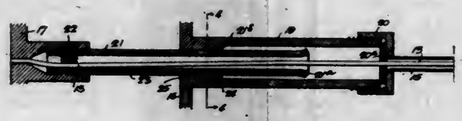
tached thereto and in supporting relation thereto to each side thereof, attachment of said aviator-supporting buoy being effected by cables in spaced relation about the rims of and the annular inflated element.

1,630,212. ELECTRIC GAS SWITCH. WILLIAM H. OVERTON, Swanwick, Ill., assignor of one-tenth to Bert Overton, Swanwick, Ill. Filed Oct. 26, 1925. Serial No. 64,955. 1 Claim. (Cl. 67—16.)



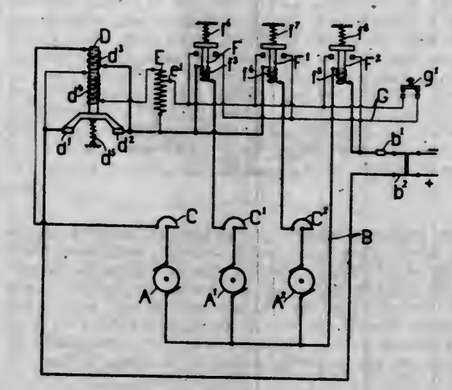
In a gas controlling means including a valve comprising a rotatable cylinder having a multiplicity of transverse openings communicating through a common center, a circumferential groove connecting the peripheral openings, substantially as shown, a valve casing provided with inlet and outlet ducts in alignment with corresponding openings in said valve, a ratchet wheel secured on one end of said valve having a number of teeth equally spaced and corresponding to twice the number of peripheral openings in said valve, an electrical magnet disposed to support and actuate an intermediately supported rod member, substantially as shown, a pawl pivoted on said rod member and positioned for engagement with the ratchet wheel so that when the magnet is energized the pawl will advance said ratchet wheel one tooth and on release will return to the next tooth.

1,630,213. OPERATING DEVICE FOR VALVES AND THE LIKE. NICHOLAS A. PETRY, Philadelphia, Pa. Filed Feb. 24, 1925. Serial No. 11,210. 15 Claims. (Cl. 74—39.)



1. The combination of a device to be actuated; a longitudinally adjustable power transmitting element connected to said device; a fixed structure having an opening of other than circular outline; and a tubular member also of other than circular section connected to said element and freely movable through the opening of the fixed structure in one position but capable of frictionally gripping the same when rotated.

1,630,214. ELECTRIC OVERLOAD PROTECTIVE SYSTEM. JAKOB PFRETZSCHNER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 27, 1922, Serial No. 547,243, and in Germany May 26, 1921. 6 Claims. (Cl. 175—294.)

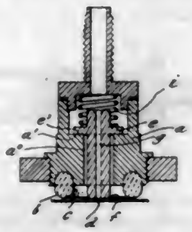


1. In an electric system, the combination with a plurality of motors connected in parallel, a main current circuit and motor armature branch circuits, of an overload circuit-breaker in the main current circuit comprising two magnet coils, and a series of contactors arranged for co-operation with the several motor branch circuits, each of the said contactors being adapted, when operated, to produce in one of the said magnet coils an exciting current of a strength such as to cause the overload circuit-breaker to move into open position, and other magnet coil being connected in series with at least one of said motor armature circuits.

1,630,215. MEANS FOR SEALING RECEPTACLES. HENRY JEFFREY POOLE, London, England. Filed Feb. 14, 1921, Serial No. 444,815, and in Great Britain Apr. 29, 1920. 3 Claims. (Cl. 226—82.)

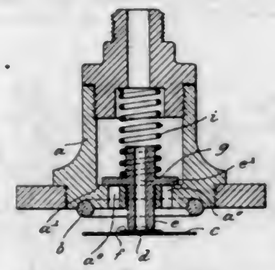
1. Means for sealing the evacuation pinholes in tins or other metallic or partly metallic containers, comprising in combination a suction nozzle having means for connection with an evacuating device, a luting ring on the face of said nozzle, a movable plunger within the said suction nozzle having a longitudinal bore therethrough communi-

cating with the nozzle, and adapted to hold a loose disk of thin material interposed between the bore hole of the said plunger and the evacuation pinhole of the container,



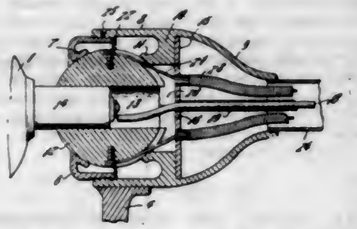
and a spring operating to compress the plunger and with it the disk of thin material against the container to close the evacuation aperture therein.

1,630,216. EVACUATION AND SEALING OF TINS AND THE LIKE METALLIC CONTAINERS. HENRY JEFFREY POOLE, London, England. Filed Oct. 1, 1921, Serial No. 504,768, and in Great Britain June 25, 1921. 1 Claim. (Cl. 113—82.)



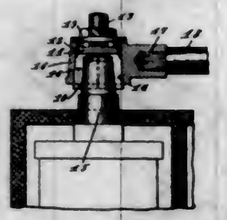
A method of sealing the evacuation pinholes in tins or other metallic or partly metallic containers, which comprises holding a metallic disc in a position opposite to the pinhole and ready for sealing, by suction during the evacuation of the tin, interrupting such suction and thereby causing the disc to be applied automatically to the pinhole to seal the latter, and then permanently affixing the disc over the pinhole by soldering or heat.

1,630,217. SPOTLIGHT. FLOYD O. RASOR, Westerville, Ohio. Filed Jan. 8, 1926. Serial No. 80,072. 2 Claims. (Cl. 240—61.)



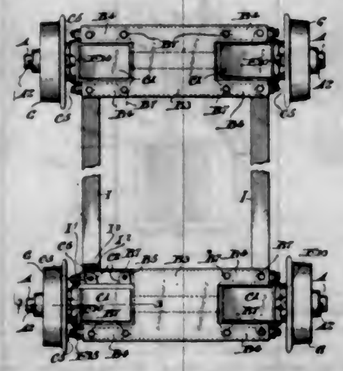
1. A spot light including a cylindrical body having internal screw threads at one end, a flanged ring threaded into said body, an inwardly rounded annular flange at the outer end of said ring, an inwardly projecting annular flange within the body having an outwardly extending portion formed with a concave face and round in plane, a ball positioned between the inwardly rounded flange and the flange on the body, said ball having a central longitudinal opening therethrough, a disk positioned against one face of the flange on the body and formed with a central opening and further formed with right angularly arranged openings in close proximity to the central opening, the inner end of said body being reduced and substantially cone-shaped, a conductor extending through the central opening in the disk and flexible shafts extending through the right angular openings and connected with the ball.

1,630,218. STORAGE-BATTERY TERMINAL. MARVIN E. RUTHERFORD, Los Angeles, Calif. Filed Apr. 15, 1925. Serial No. 23,383. 1 Claim. (Cl. 173—259.)



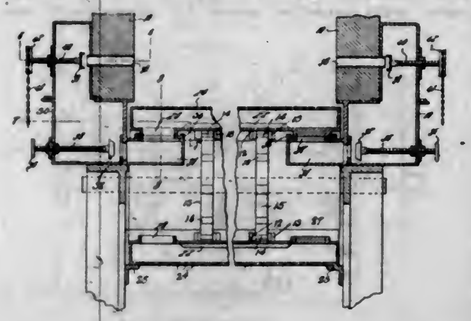
A terminal of the character described, comprising a pair of interfitting male and female members, each of substantially cup shape internally and externally tapered, the male member being longitudinally split at intervals and of greater length than the female member, an external lateral nipple on the female member for the attachment thereto of a conductor, a central threaded lug on the top of the male member, the female member being provided with a central opening in its top to receive the lug, and a nut engaged on the lug to work against the top of the female member, the slits in the male member being extended through the free edge and terminating at the top thereof.

1,630,219. HUB AND JOURNAL BOX. HUGH W. SANFORD and HARRY W. JONES, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 21, 1926. Serial No. 156,146. 23 Claims. (Cl. 295—42.)



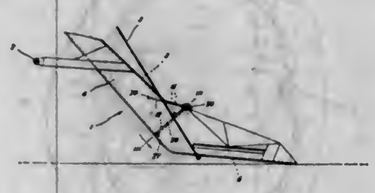
2. In a railway car, the combination with an axle and a wheel surrounding the axle, of an axle box surrounding the axle, a housing structure surrounding the axle box and closed for retaining lubricant and excluding dirt and comprising a thrust plate and a cap between which is an upright annular recess communicating at its lower part with the lower part of the interior of the portion of the housing in which the axle box is located, means in said annular recess for carrying lubricant upward from the lower part of said recess, and a lubricant-conducting passage extending through said cap, substantially as described.

1,630,220. TRAVELING-GRATE STOKER. ALFRED E. M. SHAFER, Lehighton, and ALBIN A. NORRMAN, Tamaqua, Pa. Filed July 24, 1925. Serial No. 45,853. 4 Claims. (Cl. 110—40.)



1. In combination, an endless grate including a plurality of pivotally connected hollow grate sections, each having an air inlet opening adjacent each end, with said openings arranged on opposite sides of the longitudinal medial line of the bottom of said section, and a plurality of air exhaust openings in the top thereof, means for operating said grate, and means for alternately supplying said air inlet openings with air when each grate section reaches predetermined positions in the course of its travel.

1,630,221. LOADING SKIP FOR CONCRETE MIXERS. SAMUEL SHAFER, Jr., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 13, 1926. Serial No. 108,958. 6 Claims. (Cl. 214—130.)



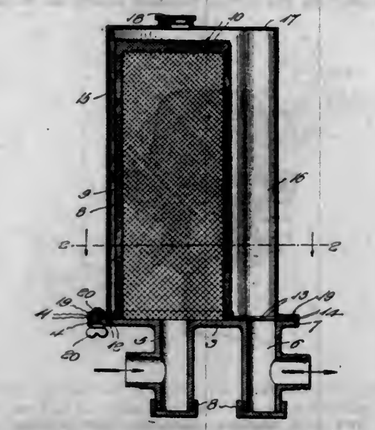
1. In combination with a charging skip for concrete mixers formed with a spout section and a large loading section for the coarse aggregate, a partition separating the said two sections, and forming a chamber for the cement at the bag of the spout section, the partition being movable to permit the coarse aggregate to pass when the skip is tilted to discharge.

1,630,222. CLOSURE DEVICE. ROBERT D. SIMPSON, Columbus, Ohio. Filed Feb. 13, 1926. Serial No. 88,120. 9 Claims. (Cl. 221—60.)



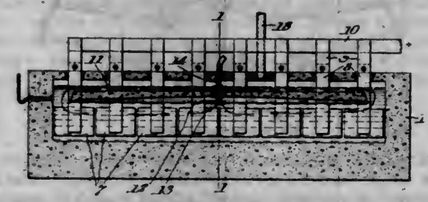
1. As an article of manufacture, a tooth paste container having a cap provided with a discharge orifice made of a substantially rigid non-corrosive and non-metallic material, and a closure member adapted to be moved over and away from said orifice.

1,630,223. LIQUID STRAINER. LOUIS F. STIEHM, Rolling Stone, Minn. Filed July 19, 1926. Serial No. 123,498. 2 Claims. (Cl. 210—165.)



1. A liquid filter comprising an ovate plate having inlet and outlet openings, one of which is disposed substantially in the center and the other in the lobe of the plate, T couplings communicating with said openings, caps removably secured to the branches of said couplings which are in direct line with the openings in said plate, a casing of ovate form in cross-section, having an open end secured to said plate and having its opposite end closed and provided with a restricted opening, a removable cap for normally closing said opening, and cylindrical strainers concentrically arranged in said casing over the inlet opening in said plate and spaced from the walls of the casing, said strainers being closed at one end and open at their opposite ends, said open ends being secured to said plate.

1,630,224. ELECTROLYTIC METHOD AND APPARATUS. KENNETH E. STUART, Niagara Falls, N. Y., assignor to Hooker Electro-Chemical Company, New York, N. Y., a Corporation of New York. Filed Mar. 5, 1925. Serial No. 13,285. 10 Claims. (Cl. 204—1.)

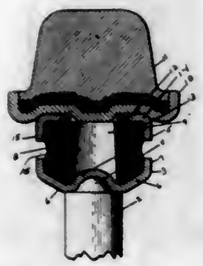


1. The method of maintaining a uniform concentration of the electrolyte in a cell having longitudinally arranged electrodes which comprises diverting the gaseous product evolved at an electrode along a submerged path extending longitudinally of the cell.

1,630,225. RESILIENT WHEEL. JOSEPH G. SWAIN, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a Corporation of Ohio. Filed June 25, 1921. Serial No. 480,333. 5 Claims. (Cl. 152—36.)

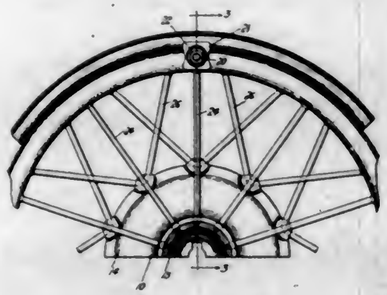
5. In a resilient wheel construction, a plurality of spokes, a fixed wheel rim on said spokes, a plurality of spoke end receiving sockets, formed in the base of the fixed rim, outwardly extending flanges on the fixed rim, an elastic band seated in the fixed rim between

the flanges, a plurality of holes passing radially through the band, certain of said holes seating over the sockets, an outer tire carrying rim surrounding the elastic band, said tire carrying rim having channels formed on its inner



surface, and split angular clamping rings between the tire carrying rim and the elastic band, the horizontal portions of said rings being received in the channels and the vertical portions lying alongside of the elastic band.

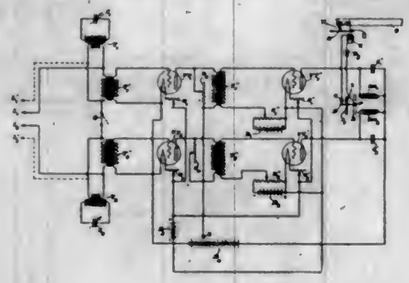
1,630,226. METHOD FOR MANUFACTURING WIRE WHEELS. JOSEPH G. SWAIN, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 9, 1925. Serial No. 1,405. 3 Claims. (Cl. 29—174.)



1. The method of manufacturing wire wheels comprising forming a hub with grooves and projecting lugs adjacent thereto, forming a felly with pockets, forming a series of double spokes of a single wire bent to substantially V-shape, positioning the double spokes so that their vertices are in alignment with the grooves, and their ends in alignment with the pockets, contracting the felly onto the spokes to urge the vertices in the grooves and their ends in the pockets and peening the metal of the projecting lugs over the vertices of the spokes seated in the grooves.

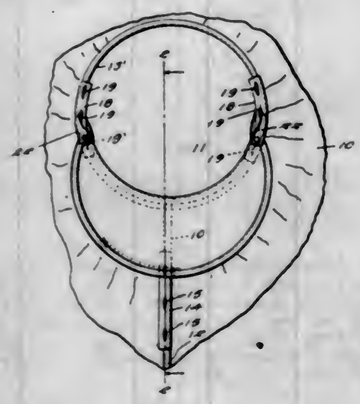
1,630,227. APPARATUS FOR RECORDING ELECTRICAL SIGNALS. ALBERT H. TAYLOR, Washington, D. C. Filed Jan. 2, 1924. Serial No. 683,928. 6 Claims. (Cl. 250—8.)

1. In a system for recording signals composed of periodical electrical currents in the presence of varying electrical currents of an interfering nature the combination of means for separating the currents into two components one of which has the signal and interfering currents in association and the other comprising substantially only interfering currents, means for rectifying the currents, shunt connected means for independently con-



trolling the amplitude of the two components, means for integrating the energy of a plurality of the rectified cycles and variations of said currents into one-way mechanical efforts, said means being adapted to oppose the efforts resulting from the separated interfering currents, and means for utilizing the resulting unopposed effort of said signal currents to record signals.

1,630,228. DRESS SHIELD. BERTHA E. TEDSTONE, San Antonio, Tex. Filed Oct. 19, 1926. Serial No. 142,675. 3 Claims. (Cl. 2—56.)

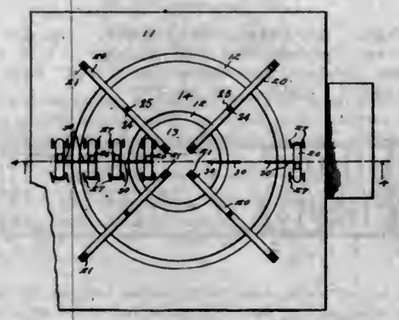


1. The combination with the arm-hole portions of a dress and sleeve, of a dress shield disposed in the arm-hole and having flaps, apertured members carried by the seams of the dress and sleeve, means on the ends of the shield removably engaged in the apertured members of the sleeve seam, and means on the lower edges of the flaps of the shield for detachable engagement in the apertured members of the dress seam.

1,630,229. AUTOMOBILE SPEEDWAY DEVICE. CHARLES F. THUSS, Great Cacapon, W. Va. Filed May 27, 1926. Serial No. 112,053. 4 Claims. (Cl. 273—86.)

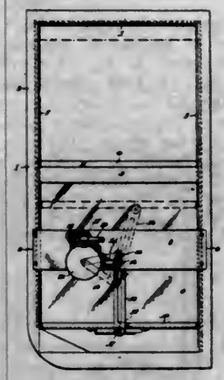
1. A device of the class described comprising concentric independently movable bushings, said bushings being

of different heights to provide exposed portions, movable bodies, means to move said bodies connected to said ex-



posed portions, and means to drive said bushings comprising gear members each of different diameters, and means to drive the gear members.

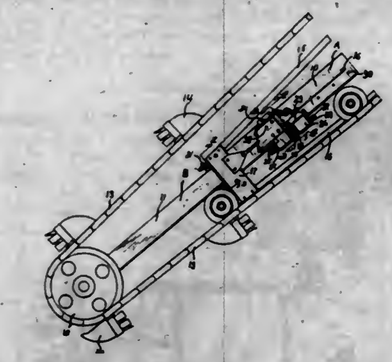
1,630,230. SASH-REGULATING DEVICE. CARL UNGERMAN, Detroit, Mich. Filed Jan. 10, 1924. Serial No. 685,329. 9 Claims. (Cl. 268—126.)



1. In a sash regulating device, the combination with a support, of a swingable and invertible sash supporting arm slidable relative to said support, and a crank operable from said support and connected to said arm for imparting movement thereto.

1,630,231. LONGITUDINALLY-EXTENSIBLE BOOM FOR EXCAVATING MACHINES. GEORGE A. VAUGHN, Newton, Iowa, assignor to The Parsons Company, Newton, Iowa. Filed Sept. 30, 1926. Serial No. 138,644. 5 Claims. (Cl. 37—83.)

1. In a longitudinally extensible boom, a boom section comprised of laterally spaced members, a second boom section comprised of smaller laterally spaced members, one end of the second boom section being received in one end of the first boom section, means secured on the inside of the second boom section for holding its members properly spaced apart, a filler adjacent to the end of the second boom section received between the members of the first boom section, means for detachably connecting said filler with the first boom section, adjustable means for connecting said first means and said filler



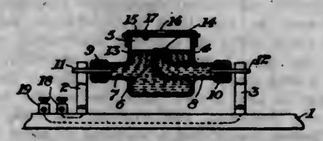
together, means for gripping the members of said first boom section together and thus gripping between them the members of the second boom section.

1,630,232. SWITCHING ARRANGEMENT FOR ELECTRIC HEATER CIRCUITS. WARREN R. WALKER, Bloomfield, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed May 1, 1926. Serial No. 105,927. 3 Claims. (Cl. 219—25.)



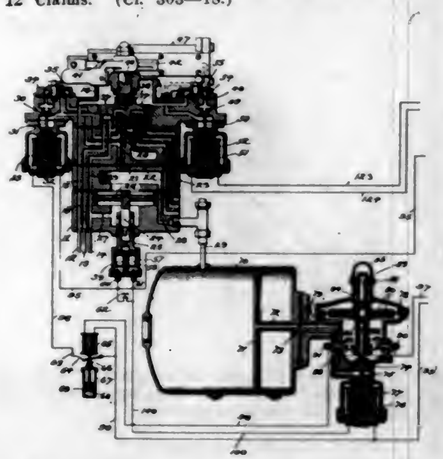
1. In combination with a pair of mains for connection to a source of electric supply, two resistor elements, connection from one supply main directly to one end of one of said resistors, connection from the other end of said resistor to one end of the other resistor, connection through a liquid flow switch from the other end of said other resistor to said supply main and through a second liquid flow switch to the other of said mains, and a connection from between said resistors through a third liquid flow switch to a point between said second switch and said other supply main.

1,630,233. LIGHT FOR MICROSCOPES AND THE LIKE. LEROY J. BUTTOLPH, East Orange, N. J., assignor to Cooper Hewitt Electric Company, a Corporation of New Jersey. Filed Oct. 3, 1923. Serial No. 666,284. 6 Claims. (Cl. 176—48.)



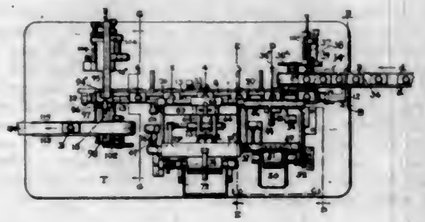
1. A vapor arc lamp comprising a closed envelope, a tube sealed through the wall of said envelope and opening within the body of the envelope, and lead-ins sealed into said envelope and said tube, said lead-ins being aligned and diametrically opposed with respect to the vertical axis of said lamp.

1,630,234. TRAIN CONTROL. CHARLES A. CAMPBELL and EAWIN C. VROMAN, Watertown, N. Y., assignors to The New York Air Brake Company, a Corporation of New Jersey. Filed July 31, 1926. Serial No. 126,306. 12 Claims. (Cl. 303—18.)



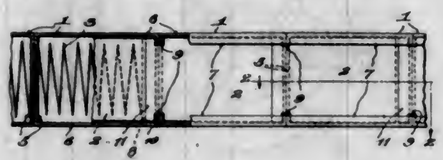
1. The combination of an engineer's brake valve; a control device operable to shift said valve to an application position; and means rendered active by said control device in so shifting said valve, and serving when active to interrupt periodically the brake applying flow through said valve, while the brake valve remains in application position.

1,630,235. LABELING MACHINE. ARVID P. EKVALL, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 29, 1926. Serial No. 105,467. 18 Claims. (Cl. 216—54.)



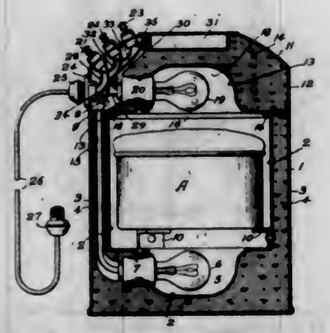
1. A labeling machine comprising in combination, means for supporting and directing articles to be labeled consisting of a dual-track way having an intermedial longitudinal space, means in lateral relation to said track way for gumming and applying a label to the article at a predetermined station thereon, said means including a standing frame, a bottom-delivery label-supply holder mounted thereon, oscillating label pickers fulcrumed above the track way, an oscillating stripper-finger fulcrumed below the track way, the fulcrum axes being approximately in the same vertical plane as the front of the trackway, a gum-supply reservoir and means for transferring gum to the picker faces, means for severally actuating the gumming, and applying devices, article-propelling means comprising a plurality of pairs of gripping members adapted for positively closing against the sides of the article above the plane of the tracks for effecting its forward movement, and opening and retracting below the track level for its backward movement, means for reciprocating said gripper members, means for closing and opening the pairs of gripper members at the limits of the reciprocative movement, and a laterally moving pressing wiper for finally smoothing on the label, and removing the labeled article from the track way; said mechanism constructed and organized for operation substantially as set forth.

1,630,236. EXPANSIBLE BRACELET. FREDRICK W. NITTEL, Attleboro Falls, Mass., assignor to M. S. Company, Attleboro, Mass. Filed June 3, 1926. Serial No. 113,420. 2 Claims. (Cl. 59—79.)



1. In a bracelet, links having boxes, ears on the upper edge of an end of each box projecting above such edge, inwardly extending flanges on the box sides overlying the ears at one end of the box and having their opposite ends free and spaced above the upper edge of the opposite end of the box, and a spring pressed connector in each box having cut-outs in its sides formed to receive the flanges and ears, the cut-outs and flanges being related so as to permit the connector to be held at right angles to the plane of the box thereby to receive the flanges in the cut-outs, and allow the connector to be moved along the flanges to cause the ears to be received in the cut-outs and thereupon permit the connector to be moved into the plane of the box.

1,630,237. ELECTRIC COOKER. JOHN E. SMITH, East Orange, N. J., assignor to The Lite-Rays Cooker Corporation, Plainfield, N. J., a Corporation of New Jersey. Filed Oct. 22, 1926. Serial No. 143,311. 6 Claims. (Cl. 219—35.)



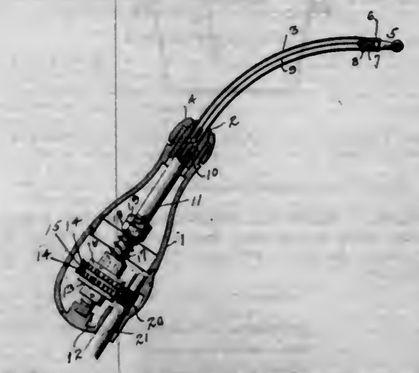
1. In a cooker, a body having an interior concave depression in the bottom thereof, a removable cover for the body having an interior concave depression in the under face thereof, electric bulbs disposed in the depressions in the body and covered and spaced from the outer edges thereof, and a reflector within the body and in the depressions whereby the food to be cooked will be acted upon by the direct and actinic rays from the electric bulbs.

1,630,238. LOCK. EDGAR M. BENHAM, Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky., a Corporation of Ohio. Filed June 12, 1926. Serial No. 115,440. 1 Claim. (Cl. 70—72.)

The combination with a lock, including a housing, a locking stump movable in the housing, tumblers in the housing having their front ends adjacent and recessed for the locking stump, and a cover plate having an aperture opposite the outer end of the locking stump, of a plate engaging the locking stump for movement therewith disposed intermediate the cover plate and the tumblers and extending across said aperture in all positions of the locking stump, whereby access to the ends of said tumblers adjacent the locking stump through said aperture is prevented.

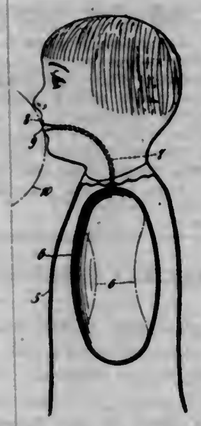


1,630,239. ANTRUM BURR. ROY S. BINKLEY, LEONARD E. STUTSMAN, and THOMAS E. GROVE, Dayton, Ohio. Filed May 9, 1924. Serial No. 711,972. 17 Claims. (Cl. 128—305.)



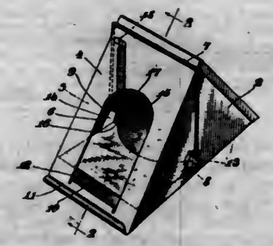
1. In a surgical drill, a hollow handle portion, an inflexible arcuate tubular stem carried thereby, a burr revolubly mounted at the extremity of the arcuate stem, said arcuate stem being shaped and proportioned to follow the burr through a restricted passage, a flexible shaft extending through the stem and operatively connected with the revoluble burr and driving means for rotating the shaft located within the hollow handle portion, with which the flexible drive shaft is operatively connected.

1,630,240. DOLL. JAMES A. BOLTON, Sayville, N. Y. Filed July 10, 1926. Serial No. 121,570. 2 Claims. (Cl. 46—40.)



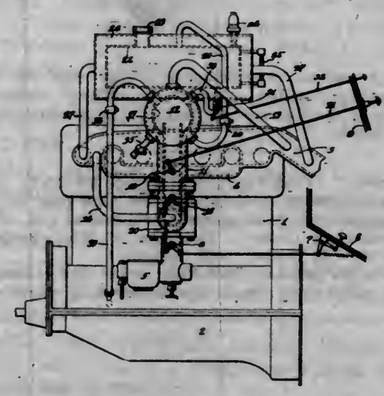
1. In an osculating doll, an orifice formed between the lips of the doll, the outer extremities of the orifice being flush with the lips of the doll, means for producing a partial vacuum in said orifice, whereby following the actuation of the vacuum producing means and the application of the lips of the doll to a yielding surface the withdrawal of the lips of the doll from contact with the yielding surface will be accompanied by a sound simulating the sound of a kiss.

1,630,241. MOUSETRAP. WILLIAM S. MOUNTFORD, Dumont, N. J., assignor to William Dubilier, New York, N. Y. Filed Dec. 6, 1923. Serial No. 678,806. 4 Claims. (Cl. 43—82.)



4. A mouse trap comprising a housing having an entrance passageway therein through one side wall thereof, a jaw member comprising a lever pivoted to the housing and movable across said entrance passageway to closed position, a plate pivoted in the housing and extending over the interior thereof adjacent said passageway, said lever being provided with a projection within the housing engaging said plate whereby movement of the plate will be transmitted to the lever, and a spring engaging said projection exerting tension on the lever substantially in the direction of its pivot when the lever is in open position, but in all other positions urging the lever to move the lever across said entrance passageway to closed position.

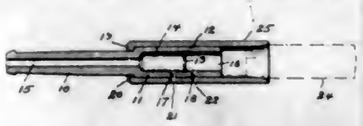
1,630,242. CARBURETOR ATTACHMENT. RUFUS R. ROSS, Detroit, Mich., assignor to Detroit Specialty Products Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 13, 1926. Serial No. 108,814. 2 Claims. (Cl. 123—25.)



1. The combination with an internal combustion engine having a crank case, intake and exhaust manifolds, and a carburetor adapted to supply fuel to the engine intake manifold, said carburetor having an air intake connection, of a head connected to the air intake connection of said carburetor, a mixing chamber in said head, said head having an air passage through said mixing chamber to the air intake connection of said carburetor, connections

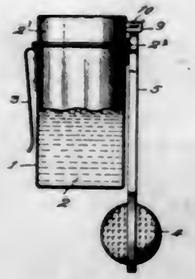
between said head and the exhaust manifold so that the exhaust gases may circulate in said head and heat said mixing chamber, a steam generator, a connection between said steam generator and said mixing chamber so that steam may be supplied to said mixing chamber, and a connection between said mixing chamber and the engine crank case so that oil vapor may be supplied to the mixing chamber.

1,630,243. CIGARETTE HOLDER. CLIFFORD D. ROSAN, New Haven, Conn.; Eva H. Rosan administratrix of said Clifford D. Rosan, deceased. Filed May 1, 1925. Serial No. 27,187. 5 Claims. (Cl. 131—10.)



5. In a device of the character described; a member having a bore therein and a plurality of ports through the wall thereof; a separable plate, having an opening therethrough, within said bore between the said ports; and a sleeve encircling the member, having ports therethrough in the same axial line that register with said ports; and another port in the same peripheral line as one of said ports.

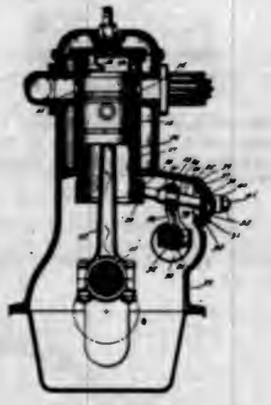
1,630,244. APPARATUS FOR RENEWING SURFACES OF GOLF BALLS. WILLIAM P. HAMMOND, East Orange, N. J. Filed May 29, 1922. Serial No. 564,341. 4 Claims. (Cl. 91—60.)



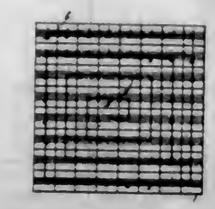
2. A portable re-surfacing device for used golf balls, comprising a liquid container, a golf ball holder and means on the container for removably supporting the golf ball holder.

1,630,245. INTERNAL-COMBUSTION ENGINE. JULES HALTENBERGER, Indianapolis, Ind., assignor to Jules Haltenberger, Incorporated, Indianapolis, Ind., a Corporation of Indiana. Filed Jan. 9, 1926. Serial No. 80,268. 42 Claims. (Cl. 123—81.)

1. In an internal combustion engine, the combination of a cylinder, a piston, a sleeve-valve, a single valve-shaft, and a movement-multiplying operating connection between said valve-shaft and said sleeve-valve and operated wholly by said single valve-shaft for producing an increased axial throw of said sleeve-valve.



1,630,246. MUSICAL TRANSFORMATION CHART. JOHN WOLF-MARJANSKI, New York, N. Y. Filed Jan. 18, 1921. Serial No. 438,120. 2 Claims. (Cl. 283—47.)



1. A musical transformation and directional chart, comprising a body part having a surface divided into squares of equal size, said squares registering both transversely and longitudinally and being in number sufficient to dispose eight squares in each row to correspond to the eight notes of a musical scale, a direction indicating diagram superposed on the surface of the body part and comprising a line having a point of commencement and a point of ending and disposed to intersect all of said squares, said squares having therein the conventional music notation lines and spaces and thereby adapted to receive therein each a musical notation of a given scale with the notations in the consecutive order of the scale and in the squares consecutively designated by said diagram, whereby different transformations may be made by reading the notations transversely and longitudinally in the rows, and also diagonally through the rows.

Patents Nos. 1,630,247 to 1,631,111.

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Patents	865—No. 1,630,247 to No.	1,631,111, inclusive.
Total	1,384	

Attorneys—Disbarment.

(ORDER No. 3,003.)

U. S. PATENT OFFICE, *Washington, Apr. 8, 1927.*

Acting under the provisions of section 487 of the Revised Statutes of the United States as amended February 18, 1922, Louis F. Griswold, of Miami, Fla., formerly of Cleveland, Ohio, whose registration number is 2261, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

TRADE-MARKS CANCELED.

41,955. Certain named lubricants. The Ohio Filler & Shield Co., Columbus, Ohio. Registered January 26, 1904. Canceled May 2, 1927.

130,530. Fence posts. Raymond C. Knopke, Chicago, Ill. Registered Apr. 27, 1920. Canceled May 2, 1927.

142,231. Boots, shoes, and slippers and certain named shoe findings. Bally Company, Inc., Wilmington, Del., and New York, N. Y. Registered May 10, 1921. Canceled May 5, 1927.

142,390. Pillows, sofa cushions, mattresses, and box springs. The Sanitary Feather Co., Chicago, Ill. Registered May 10, 1921. Canceled May 5, 1927.

148,993. Certain articles of clothing. Bally Company, Inc., Wilmington, Del., and New York, N. Y. Registered December 6, 1921. Canceled May 5, 1927.

158,354. Mouth washes, tooth powder and paste. Howard Herman Ments, D. D. S., Gustine, Calif. Registered August 29, 1922. Canceled May 2, 1927.

167,966. Fresh citrous fruits. Associated Fruit Co., Miami, Fla. Registered May 8, 1923. Canceled April 18, 1927.

179,449. Bread. Hochman & Wertheim, Brooklyn, N. Y. Registered February 12, 1924. Canceled April 18, 1927.

190,260. Certain named furniture and bedding. Louis R. Gans, doing business as Howard Furniture Co., Brooklyn, N. Y. Registered March 10, 1925. Canceled May 2, 1927.

196,357. Antiseptics. Lehn & Fink, Inc., New York, N. Y. Registered March 17, 1925. Canceled May 2, 1927.

207,576. Dandruff ointment. Charles Blum, doing business as The Dando-Rub Laboratories, Brooklyn, N. Y. Registered January 5, 1926. Canceled May 2, 1927.

210,534. Crackers. The Schust Company, Saginaw, Mich. Registered March 16, 1926. Canceled May 2, 1927.

215,035. Gas ranges, gas heaters. Charles C. Brunner, New York, N. Y. Registered July 27, 1926. Canceled May 2, 1927.

216,550. Canned fruits and canned vegetables. The Lodi Canning Co., Lodi, Calif. Registered August 10, 1926. Canceled April 18, 1927.

217,245. Oil-burning apparatus. Melco Oil Burner Corporation, Buffalo, N. Y. Registered August 31, 1926. Canceled May 2, 1927.

Condition of Applications Under Examination at Close of Business May 20, 1927.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,530; Trade-Mark Division, 1,896. Oldest new case, Oct. 2, 1926; oldest amended, Oct. 6, 1926. The dates given are 1926 except where † indicates 1927.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	†Mar. 7	†Mar. 9	534
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Feb. 1	†Feb. 10	763
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec. 22	†Jan. 27	1,533
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Dec. 10	Dec. 8	1,522
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Nov. 30	Dec. 4	962
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Nov. 1	Nov. 1	1,581
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Dec. 15	Dec. 8	1,242
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	†Jan. 8	†Jan. 15	1,640
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Feb. 16	†Mar. 1	824
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Dec. 30	†Jan. 8	1,128
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	†Jan. 21	†Jan. 19	989
330	12. PIERCE, P. P., Machine Elements	Dec. 15	†Jan. 4	1,239
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 6	†Jan. 3	1,238
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Nov. 22	†Jan. 8	1,202
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	†Jan. 10	†Jan. 14	1,390
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Jan. 21	†Feb. 1	668
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 28	Dec. 6	711
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 5	Oct. 30	967
236	19. GLASCOCK, E. S., Furnaces, Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Feb. 7	†Feb. 15	756
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	†Jan. 21	†Jan. 20	965
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Dec. 18	Dec. 23	965
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 4	Dec. 1	856
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 23	†Jan. 5	695
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 2	Oct. 6	1,049
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 27	†Jan. 3	1,229
238*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Dec. 10	Dec. 16	897
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Feb. 2	†Feb. 10	822
225	28. BENSON, A. R., Internal-Combustion Engines	†Jan. 2	†Jan. 22	1,148
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 10	Dec. 17	1,145
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats	†Jan. 3	†Feb. 21	1,022
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue	Dec. 20	Dec. 28	1,686
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	†Jan. 15	†Jan. 18	939
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Feb. 14	†Feb. 9	1,276
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock Switches, and Signals; Store Service; Vehicle Fenders.	Nov. 26	Dec. 7	794
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Feb. 4	†Mar. 8	885
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	†Mar. 3	†Mar. 3	938
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 27	†Jan. 3	1,359
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Dec. 25	Dec. 29	1,044
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 31	†Mar. 5	553
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Dec. 23	Dec. 30	1,920
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 26	†Feb. 4	716
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Dec. 6	Dec. 2	1,501
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Jan. 7	†Jan. 2	1,043
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 30	Dec. 8	1,193
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	†Feb. 2	†Feb. 3	903
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	†Jan. 3	†Jan. 4	938
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	†Jan. 7	†Jan. 6	1,408
213*	48. ROEPKE, O. B., Electricity, General Applications	Dec. 14	Dec. 9	967
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification	Nov. 17	Nov. 24	990
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Jan. 24	†Feb. 1	1,442
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Nov. 20	Nov. 24	1,314
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	†Jan. 15	†Jan. 26	1,186
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 20	†Jan. 28	1,050
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	Oct. 18	Oct. 16	1,762
102	55. RICHARD, V. I., Acting—Bread, Pastry, and Confection Making; Cutlery	Dec. 7	†Jan. 5	576
	Designs	†Apr. 17	†May 3	454
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND—Trade-Marks	†Apr. 22	†May 6	1,729
	Labels and Prints	†May 7	†May 10	167

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE FORSYTH.

Decided June 23, 1925.

DESIGNS—PATENTABILITY—COMBINATION OF FEATURES SHOWN IN DIFFERENT REFERENCES.

Where the general outline of applicant's disk wheel is shown in the patent to P., but the portion connecting the rim with the central curved portion in P. is straight, whereas the corresponding portion of applicant's wheel is dished or curved, but this feature is shown in the patents to W. and S., *Held* that the substitution for the straight portion in P. of the curved portion in the other references did not involve invention.

[Affirmed by the Court of Appeals of the District of Columbia, 358 O. G. 1049.]

APPEAL from Examiners in Chief.

Application for design patent for disk wheel filed March 2, 1922, Serial No. 988.

Messrs. Cromwell, Greist & Warden for the applicant.

FENNING, *Assistant Commissioner:*

Applicant appeals from the action of the Examiners in Chief affirming the Primary Examiner in refusing his application for a patent for a design for disk wheel of the type which is commonly used in automobiles.

The tribunals below have suggested that the disk wheel is a device utilitarian in character and that it is not the proper subject matter for a design patent, which is directed toward the esthetic. They also find the device illustrated in the present application anticipated by Putnam, Des. No. 57,861.

Applicant admits that the general outline of his wheel is shown in Putnam, but points out that the portion connecting the rim with the central curved portion of Putnam is straight, whereas the corresponding portion of applicant's wheel is dished or curved. A very similar dish, similarly situated, is shown in Patent No. 1,405,648, Williams, issued Feb. 7, 1922; see, also, No. 1,416,524, Surridge, Mar. 16, 1922; and No. 1,441,769, Williams, Jan. 9, 1923. The applications for all of these patents were filed long prior to applicant's filing date.

It seems clear that applicant has merely substituted for the straight portion of Putnam the curved portion of the other patents. A change of this sort is not patentable in view of *Knapp* v. *Wül & Baumer Co.*, 290 O. G. 645, 273 Fed. 280.

The general appearance of applicant's device is nearly the same as that of the prior art devices. As was pointed out by the Court of Appeals in *In re Freeman*, 1904 C. D. 619, 109 O. G. 1339, 23 App. D. C. 226:

> A minute cog-wheel, almost indistinguishable by the naked eye, might make a vast difference in the operativeness of a mechanical device, while details of that nature could not possibly make any appreciable difference between devices for designs. As has been well stated by the present Commissioner of Patents in another case, the novelty of a design device must be tested by the test of ornament. Now, while the final merit of ornamentation may depend upon the harmonious blending of numerous small details, and all such details are important in the production of the harmonious whole, yet it is very evident that, in such matters, differing therein from mechanical contrivances, the change or omission or addition of a few minor details would not justify the multiplication of design patents, even though one design might readily be distinguished from another by some one or more features.

Applicant's reference to the appearance of the wheel when revolving should not support a patent in view of *In re Mygatt*, 1913 C. D. 330, 188 O. G. 1056, 39 App. D. C. 432.

The attitude of the Court of Appeals, and consequently of this Office, toward patentability of designs is clearly set out in *In re Schraubstadter*, 1906 C. D. 541, 120 O. G. 1167, 26 App. D. C. 331; *In re Tournier*, 1901 C. D. 306, 94 O. G. 2166, 17 App D. C. 481; *In re Sherman*, 1910 C. D. 382, 154 O. G. 839, 35 App. D. C. 100. These cases preclude allowance of the present application. In design cases as well as in structural cases every shadow of a shade of a change of line does not import invention. (*Majestic Electric Development Co.* v. *Westinghouse Electric & Mfg. Co.*, 276 Fed. 676.)

The Examiners in Chief are affirmed.

Court of Appeals of the District of Columbia.

IN RE FORSYTH.

No. 1,578. Decided February 7, 1927.

APPEAL from Patent Office. Affirmed.

(For Commissioner's decision see 358 O. G. 1049.)

Mr. L. T. Greist for Forsyth.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.:*

Appellant was denied a patent on a claim for an ornamental design for a disk wheel, and accordingly this appeal was taken.

We deem it unnecessary to consider the case at length as we are clearly of the opinion that if appellant's design would be patentable, in the absence of anticipation by the disclosures of the prior art, he is completely barred by existing patents cited in the decisions of the tribunals below.

The decision of the Commissioner is affirmed.

Court of Appeals of the District of Columbia.

OSTERMOOR & COMPANY, INC., *v.* INTERNATIONAL BEDDING COMPANY.

No. 1,921. Decided February 7, 1927.

TRADE-MARKS—OPPOSITION—10-YEAR PROVISO OF ACT OF 1905—ADVERSE INTRASTATE USE SUFFICIENT TO PREVENT REGISTRATION UNDER.

Where the applicant was seeking registration under the 10-year clause of the act of February 20, 1905, and opposer had established intrastate use during the 10-year period prior to the passage of the act, *Held* that the adverse use within a State is sufficient to prevent registration.

APPEAL from the Patent Office. Affirmed.

Mr. C. C. Cousins and *Mr. H. F. Riley* for Ostermoor & Company, Inc.

Mr. Edw. S. Rogers for International Bedding Co.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This case is here on appeal from the Commissioner of Patents in two trade-mark opposition proceedings, which have been consolidated for the purposes of this case. Opposition No. 5477 involves a mark consisting of a mattress, one end of which is open so as to expose the layers of felt composing the mattress. Opposition No. 5478 differs from the above mark only in that it shows a two-piece mattress.

This mark was registered in 1900 under the Trade-Mark Act of 1881 and again in 1905 under the Trade-Mark Act of 1905. The registration under the act of 1905 was canceled, for the reason that the mark was descriptive and incapable of registration. *Ostermoor & Co.* v. *Rose Spring and Mattress Co.* 338 O. G. 972, 55 App. D. C. 307, 5 Fed. (2d) 268.

It is sought now to register the mark under the 10-year clause of the Trade-Mark Act of 1905. To accomplish this the applicant must establish exclusive use of the mark during the 10-year period prior to the passage of the act of 1905. The tribunals of the Patent Office found from the testimony that appellant had failed to establish such exclusive use and was, therefore, not entitled to registration. We have examined the evidence in the case and find that it overwhelmingly supports the findings of the Commissioner. Inasmuch as the case has been here on three previous occasions, we deem it unnecessary to enter into a discussion of the facts as disclosed by the record.

It is contended that the opposition has failed to establish any interstate use of the mark as against appellant's alleged exclusive use during the 10-year period. This is not necessary. Adverse use within a State during that period is sufficient to prevent registration. *Macauley* v. *Malt Diastase Co.* 338 O. G. 4, 55 App. D. C. 277, 4 Fed. (2d) 944. In other words—

> actual use must be shown to have been possessed and enjoyed by the applicant to the sole exclusion of all others. *Worcester Brewing Corp.* v. *Rueter*, 188 O. G. 1190, 30 App. D. C. 428.

The decision of the Commissioner is affirmed.

ADJUDICATED PATENTS.

(C. C. A. Pa.) The Lubbers patent, No. 886,618, for glass-drawing apparatus, claim 5 *Held* valid and infringed. *Window Glass Mach. Co.* v. *Pittsburgh Sheet Glass Co.*, 18 F. (2d) 63.

(C. C. A. Pa.) The Lubbers patent, No. 914,588, for apparatus and method for drawing glass, *Held* valid and infringed. *Window Glass Mach. Co.* v. *Pittsburgh Sheet Glass Co.*, 18 F. (2d) 63.

(C. C. A. Pa.) The Lubbers patent, No. 922,973, for glass-drawing machine, claims 1, 2, 3 *Held* invalid. *Window Glass Mach. Co.* v. *Pittsburgh Sheet Glass Co.*, 18 F. (2d) 63.

(D. C. N. Y.) The Miller patent, No. 945,570, for ice-cream freezer, claims 12 and 20 *Held* valid and infringed. *H. H. Miller Industries Co.* v. *Emery Thompson Machine & Supply Co.*, 18 F. (2d) 150.

(C. C. A. Pa.) The Frink patent, No. 988,454, for double glass pot with means of moving it longitudinally, claim 8 *Held* not infringed. *Window Glass Mach. Co.* v. *Pittsburgh Sheet Glass Co.*, 18 F. (2d) 63.

(C. C. A. Pa.) The Lubbers patent, No. 1,020,920, relating to automatic venting of pulsations in glass apparatus, *Held* infringed. *Window Glass Mach. Co.* v. *Pittsburgh Sheet Glass Co.*, 18 F. (2d) 63.

(C. C. A. Ill.) The Clark patent, No. 1,207,711, for changeable signboard, *Held* invalid. *R. W. Clark Mfg. Co.* v. *Tablet & Ticket Co.*, 18 F. (2d) 91.

(C. C. A. Ohio.) The Gullborg patent, No. 1,307,734, for lubricating means for automobiles, claims 1–4, 7, 8, 14, 15, *Held* valid and infringed and claim 12 invalid. *Lyman Mfg. Co.* v. *Bassick Mfg. Co.*, 18 F. (2d) 29.

(C. C. A. N. Y.) The Meldrum patent, No. 1,458,535, for paper cap for milk bottles, claim 1 *Held* valid but not infringed. (D. C.) *Smith-Lee Co.* v. *Plympton Paper Products Co.*, 18 F. (2d) 153, decrees affirmed 18 F. (2d) 154.

(C. C. A. Ohio.) The Manzel patent No. 1,459,662, for automobile lubricating system, *Held* invalid. *Lyman Mfg. Co.* v. *Bassick Mfg. Co.*, 18 F. (2d) 29.

(C. C. A. Cal.) The Greer patent, No. 1,460,716, for metal book-form savings bank with detachable covering, claim 6 *Held* valid and infringed and the remaining claims invalid. *Bankers' Utilities Co.* v. *Pacific Nat. Bank*, 18 F. (2d) 16.

(C. C. A. Ohio.) The Winkley reissue patent, No. 14,667, for lubricating system for automobiles, claim 6 *Held* not infringed and claim 12 valid and infringed. *Lyman Mfg. Co.* v. *Bassick Mfg. Co.*, 18 F. (2d) 29.

(C. C. A. N. Y.) The Calkins reissue patent, No. 15,824, for guide strips in laying terrazzo mosaic, *Held* valid and infringed. *Traitel Marble Co.* v. *U. T. Hungerford Brass & Copper Co.*, 18 F. (2d) 66.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

880,053. (See 1,104,394.)

1,018,502 (*a*), Just & Hanaman, Incandescent body for electric lamps, filed July 29, 1926, D. C. Mass., Doc. E 2713, *General Electric Co.* v. *L. & B. Mfg. Co. et al.* Consent decree, Sept. 28, 1926. Same, filed Dec. 1, 1926, D. C. N. J., Doc. E 2220, *General Electric Co.* v. *United Electric Supply Co. et al.* Consent decree Mar. 28, 1927.

1,018,502 (*b*), Just & Hanaman, Incandescent body for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, filed Sept. 21, 1926, D. C. N. J., Doc. E 2144, *General Electric Co.* v. *Duro Electric Specialties Co.* Decree pro confesso Mar. 26, 1927. Same, filed Dec. 18, 1926, D. C. N. J., Doc. E 2234, *General Electric Co.* v. *I. G. Kroch (Krochmalick)*. Decree pro confesso Mar. 7, 1927.

1,027,570, J. R. Sheldon, Comforter-filling machine; 1,370,411, Contrado, Swanson & Schwartz, Mattress-filling machine, filed July 24, 1926, D. C. Mass., Doc. E 2705, *Triangle Kapok Machine Corp.* v. *Gerson Bedding Co.* Consent decree dismissing bill Dec. 13, 1926. Doc. E 2708, *Triangle Kapok Machine Corp.* v. *Springfield Mattress Co.* Consent decree dismissing bill Dec. 1, 1926. Doc. E 2709, *Triangle Kapok Machine Corp.* v. *American Leather Cloth Co. et al.* Consent decree dismissing bill Oct. 26, 1926.

1,050,411, R. A. Fessenden, Electric signaling apparatus; 1,050,728, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, filed Jan. 19, 1927, D. C., S. D. N. Y., Doc. E 40/88, *Westinghouse Electric & Mfg. Co. et al.* v. *W. Egert.* Consent decree granting injunction Apr. 9, 1927.

1,050,728. (See 1,050,441.)

1,104,394, 880,053, C. D. Trussell, Temporary binder, appeal filed Nov. 12, 1926, 2d Cir., Doc. 9432, *Trussell Mfg. Co.* v. *S. E. & M. Vernon, Inc.* Decree affirmed (notice dated Apr. 4, 1927).

1,113,149. (See 1,050,441.)

1,180,159. (See 1,018,502 (*b*).)

1,192,336, S. Mueller, Machine for folding noodles; 1,217,891, same, Method of folding noodles, appeal filed Apr. 2, 1927, 2d Cir., Doc. 9608, *C. F. Mueller Co.* v. *Clermont Machine Co., Inc.*

1,217,891. (See 1,192,336.)

1,239,074. (See 1,282,460.)

1,239,075. (See 1,282,460.)

1,282,460, C. H. Parkin, Method of applying finish coatings to bodies; 1,239,074, Bagnall & Taylor, Process of coating surfaces; 1,239,075, same, Nozzle for applying adhesive coating material, filed Apr. 9, 1927, D. C. Md., Doc. E 1250, *The Vortex Mfg. Co. et al.* v. *The Ply-Rite Contracting Co. et al.*

1,307,733. (See Re. 14,667.)

1,307,734. (See Re. 14,667.)

1,346,349, 1,455,414, J. C. Tate, Absorbing and purifying composition; 1,573,284, same, Composition for absorbing and purifying the waste products of combustion, filed Mar. 31, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1655, *J. C. Tate* v. *Pacific Gas Heating Co. et al.* Patent held valid and infringed Apr. 4, 1927.

1,370,411. (See 1,027,570.)

1,434,356, H. T. Doulett, Eyeleting machine; 1,455,523, same, Art of shoemaking; 1,554,415, E. E. Coti, Eyeleting machine; 1,554,624, same, Art of shoemaking, filed Mar. 24, 1927, D. C. Mass., Doc. E 2803, *United Shoe Machinery Corp.* v. *L. Muther et al.*

1,451,491, S. H. Calkins, Pattern and guide strip, filed Apr. 4, 1927, D. C., S. D. N. Y., Doc. E 41/103, *The Traitel Marbel Co.* v. *U. T. Hungerford Brass & Copper Co.*

1,455,414. (See 1,346,349.)

1,455,523. (See 1,434,356.)

1,488,407, 1,495,134, H. L. Redmond, Infant's band, filed Mar. 19, 1927, D. C. Mass., Doc. E 2802, *The Williams Carter Co.* v. *Earnshaw Knitting Co.*

1,495,134. (See 1,488,407.)

1,497,273, M. Hawie, Buckle; Re. 15,982, same, Rustless buckle, filed Apr. 6, 1927, D. C. Conn., Doc. E 1895, *The Hawie Mfg. Co.* v. *The Hathaway Mfg. Co. et al.*

1,548,701. (See Re. 16,461.)

1,554,415. (See 1,434,356.)

1,554,624. (See 1,434,356.)

1,573,284. (See 1,346,349.)

1,584,701. (See Re. 16,461.)

1,614,136. (See Re. 16,461.)

Re. 14,667, F. D. Winkley, Lubricating system; 1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, filed Jan. 23, 1925, D. C. Mass., Doc. E 2058, *The Bassick Mfg. Co.* v. *Lewis Automotive Equipment Co.* Decree dismissing bill Nov. 4, 1925.

Re. 15,982. (See 1,497,273.)

Re. 16,243, H. E. Marks, Roof structure, filed July 17, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 422, *H. E. Marks et al.* v. *Lathrop & Hoge (Lathrop-Hoge Gypsum Construction Co.)*. Bill dismissed Apr. 5, 1927.

Re. 16,461, 1,584,701, M. C. A. Latour, Audion or lamp relay or amplifying apparatus; 1,614,136, same, Thermionic amplifying apparatus, filed Apr. 6, 1927, D. C., S. D. N. Y., Doc. E 41/121, *Latour Corp.* v. *C. Freshman Co., Inc.*

Disclaimers.

1,577,076.—*Albert O. Powell*, New York, N. Y. TELEPHONE-EXCHANGE SYSTEM. Patent dated March 16, 1926. Disclaimer filed April 14, 1927, by the patentee, assignee, *Western Electric Company, Incorporated*, consenting.

Hereby enters this disclaimer to the said claims of said Letters Patent which are in the following words, to wit:

"1. In a telephone exchange system, a plurality of operators' positions, a sender controlling equipment at each of said positions, a plurality of outgoing trunks, each trunk terminating at its distant end in a manual connection terminal, mechanism associable with the distant ends of said trunks for indicating the numbers of wanted lines, a plurality of sender controlling equipments, a plurality of switching units common to said operators' positions, means to operate a switching unit to establish an interconnection between a sender controlling equipment, a sender and an idle trunk, and means to operate said mechanism over said trunk under the control of a sender in accordance with the operation of said sender controlling equipment.

"2. In a teleprone exchange system, a plurality of operators' positions, a sender controlling equipment at each of said positions, a plurality of outgoing trunks, each trunk terminating at its distant end in a manual connection terminal, mechanism associable with the distant ends of said trunks for indicating the numbers of wanted lines, a plurality of senders, a plurality of sender controlling equipments, a plurality of switching units common to said operators' positions, means to operate a switching unit to establish an interconnection between a sender controlling equipment, a sender and an idle trunk, means to indicate to an operator the number of the idle trunk selected, and means to operate said mechanism over said trunk under the control of a sender in accordance with the operation of said sender controlling equipment.

"3. In a telephone exchange system, in combination, incoming lines, outgoing trunks, each trunk terminating at its distant end in a manually operable connection terminal, an operator's position, a cord circuit terminating at each end in a manually operable device for interconnecting an incoming line and an outgoing trunk, mechanism associable with the distant ends of said trunks for indicating the numbers of wanted lines, a

plurality of variably operable senders for controlling said mechanism over said trunks independent of said cord circuit, and means at said operator's position to control the automatic selection of a trunk and to variably control the settings of said senders for controlling said mechanism.

"4. In a telephone exchange system, in combination, incoming lines, outgoing trunks, each trunk terminating at its distant end in a manually operable connection terminal, an operator's position, a cord circuit terminating at each end in a manually operable device for interconnecting an incoming line and an outgoing trunk under the control of said operator's position, mechanism associable with the distant ends of said trunks for indicating the numbers of wanted lines, a plurality of variably operable senders for transmitting series of impulses of varying characteristics over said trunks for controlling said mechanism, and means at said operator's position to control the automatic selection of a trunk and of a sender and to variably control the setting of said senders for controlling said mechanism.

"5. In a telephone exchange system, in combination, incoming lines, outgoing trunks, each trunk terminating at its distant end in a manually operable connection terminal, an operator's position, a cord circuit terminating at each end in a manually operable device for interconnecting an incoming line and an outgoing trunk under the control of said operator's position, means associable with the distant ends of said trunks for indicating the numbers of wanted lines, a plurality of senders for transmitting series of impulses of varying characteristics over said trunks for controlling said mechanism, registers in said sender for recording the digits of wanted line numbers, and means at said operator's position to control the automatic selection of a trunk and of a sender and for variably controlling the setting of said registers for controlling said mechanism.

"6. In a telephone exchange system, a plurality of operators' positions, a sender controlling equipment at each of said positions, a plurality of outgoing trunks, each trunk terminating at its distant end in a manually operable connection terminal, mechanism associable with the distant ends of said trunks for indicating the numbers of wanted lines, a plurality of senders, a plurality of sender controlling equipments, a plurality of switching units common to said operators' positions, means to operate a switching unit to establish an interconnection between a sender controlling equipment, a sender and an idle trunk, means to operate said mechanism over said trunk under the control of a sender in accordance with the operation of said sender controlling mechanism, and means operative following the completion of the operation of said sender to release said switching unit.

"7. In a telephone exchange system, a plurality of operators' positions, a sender controlling equipment at each of said positions, other operators' positions, a plurality of outgoing trunks, said trunks terminating at said latter positions in manually operable connection terminals, mechanism associable with the distant ends of said trunks for indicating the numbers of wanted lines, a plurality of senders, a plurality of sender controlling equipments, a plurality of switching units common to said first operators' positions, means to operate a switching unit to establish an interconnection between a sender controlling equipment, a sender and an idle trunk, means to operate said mechanism over said trunk under the control of a sender in accordance with the operation of said sender, controlling mechanism, and means operative upon the response of a second mentioned operator to start said sender into operation.

"9. In a telephone exchange system, a plurality of incoming lines, a plurality of outgoing trunks, each trunk terminating at its distant end in a manually operable connection terminal, means for interconnecting said lines and trunks, mechanism associable with the distant ends of said trunks for indicating the numerical designation of a desired line, a register sender, groups of relay registers for said sender, means for registering the numerical and stations designations of a desired line on said registers, means associated with said sender for transmitting over said trunks a plurality of series of impulses of varying characteristics corresponding to the designations registered on said registers for controlling said mechanism, and means for changing the order of transmission of said series of impulses in accordance with the operated condition of the relays of certain of said registers."

1,580,252.—*Emil Jacobsen*, Chicago, Ill. AUTOMATIC TELEPHONE SYSTEM. Patent dated April 13, 1926. Disclaimer filed May 12, 1927, by the assignee, *Automatic Electric Inc.*

Hereby enters this disclaimer to that part of the claims in said specification which is in the following words, to wit:

"19. In a telephone system, a trunk line having two branches at the incoming end, an automatic switch in which said trunk terminates at the outgoing end, two groups of lines accessible to said switch corresponding, respectively, to said two branches, automatic switching mechanism for extending a call to the trunk via either of said branches, means for then operating said switch to further extend the call by way of an idle one of said lines, and discriminating means for causing said switch to select an idle line in the particular group which corresponds to the incoming branch in use.

"20. In a telephone system, a trunk line having two branches at the incoming end, an automatic switch in which said trunk terminates at the outgoing end, two groups of lines accessible to said switch corresponding, respectively, to said two branches, automatic switching mechanism for extending a call to the trunk via either of said branches, means for then operating said switch to further extend the call by way of an idle one of said lines, testing means in said switch, and means associated with said incoming branches for controlling the action of said testing means to cause the said switch to select an idle line in the particular group which corresponds to the incoming branch in use.

"21. In a telephone system, a trunk line having two branches at the incoming end, an automatic switch in which said trunk terminates at the outgoing end, two groups of lines accessible to said switch corresponding, respectively, to said two branches, automatic switching mechanism for extending a call to the trunk via either of said branches, means for then operating said switch to further extend the call by way of an idle one of said lines, testing means in said switch normally effective to cause said switch to select an idle line in a particular one of said groups corresponding to a particular incoming branch, and means responsive in case the call is received over the other incoming branch for causing said switch to select an idle line in the other group.

"22. In a telephone system, a trunk line having two branches at the incoming end, an automatic switch in which said trunk terminates at the outgoing end, two groups of lines accessible to said switch corresponding, respectively, to said two branches, automatic switching mechanism for extending a call to the trunk via either of said branches, means for then operating said switch to further extend the call by way of an idle one of said lines, testing means in said switch for causing the selection of an idle line in a particular one of said groups, other testing means in said switch for causing the selection of an idle line in the other group, and means for automatically rendering effective only the testing means which is associated with the group corresponding to the incoming branch in use."

Interference Notice.

U. S. PATENT OFFICE, *Washington, May 19, 1927.*

C. Schultz, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. R. & W. J. Sutherland, 45 Hudson Ave., Albany, N. Y., for registration of a trade-mark and trade-mark registered April 4, 1916, No. 109,423, to C. Schultz, 32 Jay St., New York, N. Y., and a notice of such declaration sent by registered mail to said C. Schultz at the said address having been returned by the post office undeliverable, notice is hereby given that unless said C. Schultz, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, May 12, 1927.*

Engineering Products Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of O'Neil Duro Company, of Milwaukee, Wis., to effect the cancellation of the trade-mark registration of Engineering Products Corporation, Newport News, Va., No. 107,818, dated December 28, 1915, and the notice of such proceeding sent by registered mail to the said Engineering Products Corporation at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Engineering Products Corporation, its assigns or lexal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 31, 1927.

[VOL. 358. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 193,276. (CLASS 38. PRINTS AND PUBLICATIONS.) THE ENGINEERING MAGAZINE COMPANY, New York, N. Y. Filed Mar. 5, 1924.

Handbook
of
Industrial Management

Particular description of goods.—Publication Issued and to be Issued in Sections and Dealing More Particularly with Administration Problems of Corporations.
Claims use since Feb. 4, 1924.

Ser. No. 211,012. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed Mar. 14, 1925. Under 10-year proviso.

CAMBRIDGE

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1888.

Ser. No. 211,379. (CLASS 37. PAPER AND STATIONERY.) GEORGE M. SCHAFF, Cleveland, Ohio. Filed Mar. 20, 1925.

BooKeePeer

Particular description of goods.—Blank Books and Blank Forms Including Check Books, Bank Accounts, Journals, Ledgers, and All Office Record and Account Books.
Claims use since Feb. 1, 1925.

Ser. No. 212,628. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAZDA RADIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 18, 1925.

MUZĀDĀ

Particular description of goods.—Radio Apparatus, Parts, and Supplies—Namely, Dials, Sockets, Jacks, Plugs, Rheostats, Condensers, Switches, and Vernier Attachments for Dials.
Claims use since Feb. 18, 1925.

Ser. No. 215,413. (CLASS 37. PAPER AND STATIONERY.) ARTHUR WALDO LOVEJOY, Lowell, Mass. Filed June 6, 1925.

Holderpack

Particular description of goods.—Toilet Paper.
Claims use since Apr. 19, 1925.

Ser. No. 222,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIDNEY M. PHILLIPS, doing business as S. M. Phillips Flour Mills, San Francisco, Calif. Filed Nov. 4, 1925.

4
BIG FOUR

Particular description of goods.—Self-Rising Pancake and Waffle Flour.
Claims use since Oct. 19, 1925.

Ser. No. 225,803. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Jan. 11, 1926.

ROPER

The drawing consists of the word "Roper" with an underscoring wavy line, the name "Roper" being disclaimed apart from the mark as shown.

Particular description of goods.—Gas-Burning Water Heaters, Air and Gas Mixers for Gas-Burning Devices, Gas-Fired Steam Boilers; Furnaces—Namely, Gas-Fired Furnaces for Domestic and Industrial Purposes; and Parts and Appliances Used on the Foregoing.

Claims use since Mar. 13, 1922.

Ser. No. 227,475. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HELMUTH REICHHOLD, doing business as Beck-Koller & Company, Detroit, Mich. Filed Feb. 18, 1926.

BECKACITE

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, and Lacquers.

Claims use since Feb. 5, 1925.

Ser. No. 229,454. (CLASS 39. CLOTHING.) MONTGOMERY WARD & Co., INCORPORATED, Chicago, Ill. Filed Mar. 31, 1926.



The lining on the drawing is intended for shading purposes only.

Particular description of goods.—Men's and Boys' Clothing—Namely, Suits and Overcoats.

Claims use since Jan. 1, 1923.

Ser. No. 229,464. (CLASS 39. CLOTHING.) DR. A. POSNER SHOES INC., New York, N. Y. Filed Mar. 31, 1926.

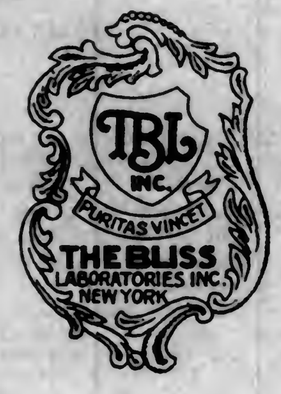
POSNER-PEDIC

Applicant owns registration No. 91,690.

Particular description of goods.—Shoes Made of Leather, Rubber, Fabrics, and Combinations Thereof.

Claims use since Dec. 10, 1925.

Ser. No. 229,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BLISS LABORATORIES, INC., New York, N. Y. Filed Apr. 1, 1926.



No claim is made to the exclusive use of the words "New York" apart from the mark as shown in the drawing.

Particular description of goods.—Hair Tonic, Hair Powder, Astringent Remedies, Face Powder, Tissue Cream, Eyelash Stimulator, Nail-Bleach Powder, Whitening Cream, Toilet Water, Perfumes, and Follicle Lotion—Viz., Liquid Antiseptic.

Claims use since 1913.

Ser. No. 229,633. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) IVER JOHNSON'S ARMS & CYCLE WORKS, Fitchburg, Mass. Filed Apr. 3, 1926. Under 10-year proviso.

IVER JOHNSON

Particular description of goods.—Revolvers and Shotguns.

Claims use since Sept. 1, 1894.

Ser. No. 229,930. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REPUBLIC PAINT & VARNISH WORKS, Chicago, Ill. Filed Apr. 9, 1926.

UNI-SPAR

Applicant disclaims the word "Spar" as apart from the mark shown in the drawing.

Particular description of goods.—Clear Varnish, Linoleum Varnish, Paint Enamel, Varnish Stain, and Lacquer.

Claims use since MAR. 26, 1919.

Ser. No. 230,664. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) D. ROY F. FOWLER, doing business as Fowler Batting & Fibre Mills, Philadelphia, Pa. Filed Apr. 24, 1926.

FOBAFIMI

Particular description of goods.—Textile Upholstery Padding Made in the Piece.

Claims use since Dec. 20, 1923.

Ser. No. 230,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Apr. 24, 1926.



Applicant is owner of registered mark 66,700, covering "K" within a circle, used since 1887.

Particular description of goods.—Smoked and Cured Meats, Particularly Sugar-Cured Hams and Sugar-Cured Picnics.

Claims use since Feb. 26, 1926.

Ser. No. 230,880. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) FROEDTERT GRAIN & MALTING COMPANY, Milwaukee, Wis. Filed Apr. 29, 1926.



Particular description of goods.—Malt Extract or Sirup Composed of Mixed Malted Barley and Corn for Making a Malt Beverage in the Nature of Near Beer.

Claims use since Apr. 1, 1926.

Ser. No. 231,277. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEARL RADIO CONDENSER CO. INC., New York, N. Y. Filed May 7, 1926.



Applicant disclaims exclusive right to the words "Straight Line Broadcasting" except as same are used in connection with the other features of the mark shown on the drawing.

Particular description of goods.—Radio Variable Condensers.

Claims use since Apr. 22, 1926.

Ser. No. 231,413. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TWITCHELL-CHAMPLIN COMPANY, Portland, Me., and Boston, Mass. Filed May 10, 1926.



Particular description of goods.—Canned Apples, Apricots, Blueberries, Cherries, Grapefruit, Loganberries, Peaches, Pears, Pineapple, Plums, Stewed Prunes, Raspberries, Rhubarb, Strawberries, and Fruits for Salad; Dried Evaporated Apples, Raisins, Currants, Dates, Prunes, and Plums; Orange Marmalade, Raspberry Jam, Strawberry Jam, Preserved Raspberry, Strawberry, Tamarinds, Apple Jelly, Cranberry Sauce, Apple Sauce, Figs in Sirup and Honey; Canned Asparagus, String Beans, Baked Beans, Shelled Beans, Lima Beans, Bean Sprouts, Beets, Mushrooms, Cabbage, Carrots, Corn, Dandelions, Peas, Pimento, Pumpkin, Sauerkraut, Spinach, Squash, Succotash, and Tomatoes; Vermicelli, Spaghetti, Macaroni, Rice, Tapioca; Canned Fresh Clams, Tunny, Shrimp, Crab Meat, Salmon, Clam Chowder, Norwegian Kipper Snacks and Norwegian Smoked Sardines, Dried Tunny and Salmon; Sweet Mixed Pickles, Sweet Cucumber Pickles, Sweet Pickles, Sweet Gherkins Pickles, Chili Sauce, Tomato Catchup, Salad Dressing, Olives; Canned Vegetable, Chicken, and Tomato Soups and Tomato Purée; Prepared Dietetic Flour, Brown Bread, Three-Minute Oat Flakes, Rolled Oats, Quick Oats, Cornmeal, Bird Food for Canaries, Vinegar, Olive Oil; Food-Flavoring Extracts—

Namely, Lemon, Orange, Checkerberry, Peppermint, Almond, Vanilla; Teas, Coffee, and Cocoa, Onion Seasoning, Cinnamon, Pepper, Red Pepper, Allspice, Cloves, Ginger, Celery Seed, Nutmeg, Mustard Seed, Caraway Seed, Pickling Spice, Celery Salt, Thyme, Turmeric, Curry Powder, Savory Sage, Cassia, Mace, Mustard, Paprika, Marjoram, Peanut Butter, Mincemeat, Confectioner's Sugar, and Cheese.

Claims use since 1883 on canned vegetables and canned fruit; fruit jams, preserves, and sauces since Jan. 1, 1890; dried fruits except raisins and currants since Jan. 1, 1895; canned fish, dried fish, and canned clams since Jan. 1, 1890; tea, coffee, tapioca, spices, flavoring extracts for food since Jan. 1, 1895; rice, macaroni, spaghetti, vermicelli, and cheese since Jan. 1, 1900; catchups since Jan. 1, 1905; vinegar since Jan. 1, 1907; dried raisins and currants since 1900; mincemeat since 1921; confectioner's sugar since 1916; canned soups since Feb. 4, 1923; honey since May, 1904; figs in sirup since Mar. 14, 1925; prepared dietetic flour since Jan. 22, 1926; quick oats since May 11, 1924; three-minute oat flakes since Jan. 19, 1925; corn meal since Feb. 10, 1926; brown bread since 1920; pickles since Oct. 30, 1925; olive oil since Mar. 22, 1923; olives since 1920; salad dressing since June 1, 1923; peanut butter since May 1, 1925; bird food for canaries since 1894; onion seasoning since Mar. 9, 1926; curry powder since Mar. 9, 1926; celery salt since Mar. 9, 1926; bean sprouts since Apr. 26, 1925; cocoa since March, 1926; chili sauce since Jan. 1, 1895; rolled oats, since September, 1921.

Ser. No. 232,433. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWABACHER BROS. & CO. INC., Seattle, Wash. Filed May 28, 1926.

QUAIL

Particular description of goods.—Canned Vegetables, Canned Berries, Canned Fruit, Solid Packed Canned Pie Squash, Canned Tomatoes with Purée from Trimmings, Canned Whole Clams, and Tomato Catchup, Canned Hominy, and Canned Sauerkraut.

Claims use since Jan. 1, 1903.

Ser. No. 233,316. (CLASS 15. OILS AND GREASES.) THE UNITED STATES GASOLINE CORP., Denver, Colo. Filed June 19, 1926.

EVOLOIL

The word "Oil" is disclaimed apart from the mark shown. The mark comprises the word "Evoloil."

Particular description of goods.—Lubricating Oils and Greases.

Claims use since Oct. 1, 1925.

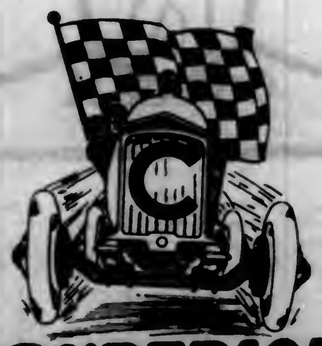
Ser. No. 233,763. (CLASS 39. CLOTHING.) CLIFT & GOODRICH, INC., New York, N. Y. Filed June 26, 1926.

MERRIE-MAN

Particular description of goods.—Hosiery, Underwear of Knitted and Textile Fabric for Men, Women, and Children, and Sweaters.

Claims use since Feb. 1, 1926.

Ser. No. 233,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMMANDER MILL COMPANY, Minneapolis, Minn., assignor to Commander Milling Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 28, 1926.



The word "Superior" is disclaimed except as associated with other features of the mark.

Particular description of goods.—Wheat Flour.

Claims use since about Sept. 20, 1919.

Ser. No. 234,236. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMMA S. TAUFERT, doing business as Paul Taufert Company, St. Paul, Minn. Filed July 6, 1926.

Hi-Dive

Particular description of goods.—Insecticides.

Claims use since June 1, 1923.

Ser. No. 234,373. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BUZZA COMPANY, Minneapolis, Minn. Filed July 10, 1926.

The Remembrance GIFT MOTTO

No claim is made to the words "The Remembrance Gift Motto" apart from the mark shown in the drawing.

Particular description of goods.—Gift Mottoes.

Claims use since May 10, 1925.

Ser. No. 234,376. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BUZZA COMPANY, Minneapolis, Minn. Filed July 10, 1926.



No claim is made to the words "The Gift Parchment De Luxe" apart from the mark shown in the drawing.

Particular description of goods.—Gift Mottoes.

Claims use since Jan. 1, 1920.

Ser. No. 235,236. (CLASS 39. CLOTHING.) RUFUS W. SCOTT COMPANY, New York, N. Y. Filed July 27, 1926.



The words "Hosiery" and "Sock" are disclaimed apart from the mark shown.

Particular description of goods.—Stockings.

Claims use since Apr. 20, 1926.

Ser. No. 235,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. A. ROBINSON COMPANY, INCORPORATED, Lynchburg, Va. Filed Aug. 9, 1926.

GLOVE KID

Particular description of goods.—Peanuts (Roasted and Raw) and Peanut Butter.

Claims use since 1905 on peanuts, and since January, 1926, on peanut butter.

Ser. No. 235,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1926.

"SOBRECITO BAYER"

BAYER

Contiene

1 TABLETA BAYER de ASPIRINA
(½ gramo)

With the exception of the name "Bayer," the Bayer cross, and the words "Aspirina" and "Sobrecito Bayer," exclusive rights in all of which are claimed, no claim under the statute is made for the other words appearing on the drawing except in connection with the mark as shown, all common-law rights being reserved.

Particular description of goods.—Antirheumatic, Analgesic, and Antipyretic Medicines.

Claims use since July, 1920.

Ser. No. 235,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Aug. 12, 1926.

"SOBRECITO ROJO BAYER"

BAYER

CAFIASPIRINA

1 TABLETA BAYER de Aspirina con Cafeína

With the exception of the word "Bayer," the Bayer cross, the words "Cafiaspirina," "Aspirina," and "Sobrecito Rojo Bayer," exclusive rights in all of which are claimed, no claim under the statute is made for the other words appearing on the drawing except in connection with the mark as shown, all common-law rights being reserved.

Particular description of goods.—Antirheumatic, Analgesic, and Antipyretic Medicines.

Claims use since July, 1920.

Ser. No. 235,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWN AND BAILEY CONDENSED MILK COMPANY, Brooklyn, N. Y. Filed Aug. 12, 1926.

BETSY-B

Particular description of goods.—Powdered Skim Milk.

Claims use since July 15, 1926.

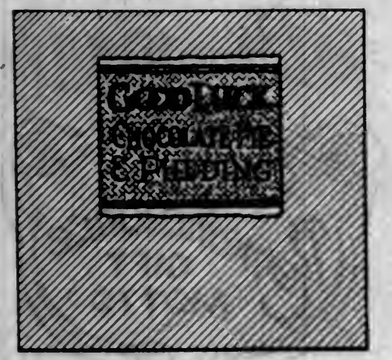
Ser. No. 236,371. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HAMBLIN & RUSSELL MANUFACTURING COMPANY, INC., Worcester, Mass. Filed Aug. 24, 1926.

TURQUOISE BLUE

Particular description of goods.—Woven-Iron-Wire Kitchen Strainers and Fry Baskets.

Claims use since Aug. 10, 1926.

Ser. No. 237,100. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOOD LUCK FOOD CO., INC., Rochester, N. Y. Filed Sept. 10, 1926.



The lettering is in black and yellow on an orange panel having a chocolate-colored background. For the purposes of this application ownership of the exclusive right to the use of the wording "Chocolate Pie & Pudding" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Preparation for Making Pie Fillings and Puddings.

Claims use since July, 1922.

Ser. No. 237,136. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE THERMO-ELECTRIC COMPANY, INC., New Orleans, La. Filed Sept. 11, 1926.

REED

Particular description of goods.—Automatic Electric Incubators and Brooders.

Claims use since Feb. 26, 1910.

Ser. No. 237,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES PRODUCTS CORPORATION, San Jose, Calif. Filed Sept. 20, 1926.

The Royal Family of Fruits

The word "Fruits" appearing on the drawing is disclaimed apart from the mark as shown.

Particular description of goods.—Canned Fruits.

Claims use since Apr. 28, 1926.

Ser. No. 238,011. (CLASS 39. CLOTHING.) FRANK G. DELBON, Brooklyn, N. Y. Filed Oct. 1, 1926.

TRIPEDIC

SUPPORT

The word "Support" is hereby disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Leather Shoes.

Claims use since about Oct. 10, 1923.

Ser. No. 238,381. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EDWARD LICHTIG, New York, N. Y. Filed Oct. 9, 1926.

AVIS

Particular description of goods.—Cotton and Silk and Cotton Mixtures in the Piece.

Claims use since Sept. 29, 1926.

Ser. No. 238,573. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) O. DONELIAN & CO., INC., New York, N. Y. Filed Oct. 14, 1926.

Lori

Particular description of goods.—Textile Rugs and Carpets.

Claims use since Jan. 2, 1926.

Ser. No. 238,574. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) O. DONELIAN & CO., INC., New York, N. Y. Filed Oct. 14, 1926.

SISWAN

Particular description of goods.—Textile Rugs and Carpets.

Claims use since Mar. 6, 1926.

Ser. No. 238,795. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE W. J. LOTH STOVE COMPANY, INC., Waynesboro, Va. Filed Oct. 18, 1926.



No claim is made to the wording shown apart from the name "Loth's." The drawing is lined for red.

Particular description of goods.—Stoves and Ranges for Burning Coal and Wood.

Claims use since Mar. 16, 1925.

Ser. No. 238,928. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WALTHAM WATCH COMPANY, Waltham, Mass. Filed Oct. 20, 1926.

Maximus.

Particular description of goods.—Watches and Parts Thereof.

Claims use since May 28, 1896.

Ser. No. 239,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIJOS OF ANTONIO ESTEVA Y OLIVER, Palma de Mallorca, Spain. Filed Oct. 28, 1926.



The words "Spain, Purveyor to the Royal Family, Al Escudo De Espana, S. Miguel 220 Palma, Net Weight 400 Grammes, Made in Spain," the representation of a label, and the representation of the medals are all disclaimed apart from the other features shown in the drawing.

Particular description of goods.—Nougats, Sweets of All Kinds, Preserves in General, and Fruits in Sirup.

Claims use since 1885.

Ser. No. 239,823. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. B. PICKER, New York, N. Y. Filed Nov. 8, 1926.

FORMITAN

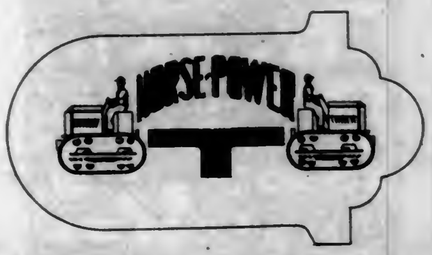
Particular description of goods.—Liquid Antiseptic and Mouth Wash for Membranes of the Throat and Mouth.
Claims use since Jan. 1, 1926.

Ser. No. 240,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Nov. 15, 1926.



Particular description of goods.—Dried Fruits.
Claims use since Apr. 19, 1915.

Ser. No. 240,358. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. M. & H. LONDON & CO., New York, N. Y. Filed Nov. 20, 1926.



Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 1, 1926.

Ser. No. 240,364. (CLASS 39. CLOTHING.) QUAKER HAT CO., INC., New York, N. Y. Filed Nov. 20, 1926.

HANDKERCHIEF FELT

No registration rights are claimed in the word "Felt" except in association with the other features of the mark.
Particular description of goods.—Ladies' Hats.
Claims use since December, 1925.

Ser. No. 240,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Nov. 24, 1926.

MAID O MILK

Particular description of goods.—Candy and Candy Bars.
Claims use since July 1, 1926.

Ser. No. 240,680. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HUSTON RAY, New York, N. Y. Filed Nov. 27, 1926.

MIRACLE

Particular description of goods.—Phonographs, Talking Machines, Phonograph and Talking-Machine Records, Automatic Pianos, Automatic Organs, and Music Rolls for Automatic Pianos and Organs.
Claims use since Jan. 15, 1923.

Ser. No. 240,681. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HUSTON RAY, New York, N. Y. Filed Nov. 27, 1926.

MUSIC HEALER

The word "Music" is disclaimed apart from the mark disclosed in the drawing.
Particular description of goods.—Phonographs, Talking Machines, Phonograph and Talking-Machine Records, Automatic Pianos, Automatic Organs, and Music Rolls for Automatic Pianos and Organs.
Claims use since Jan. 15, 1923.

Ser. No. 240,698. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE COLASTA CO. INC., Hoosick Falls, N. Y. Filed Nov. 29, 1926.

Colasta

Particular description of goods.—Electric Insulating Molding Compounds.
Claims use since Oct. 1, 1918.

Ser. No. 240,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Dec. 1, 1926.



No claim is made to the exclusive use of any of the wording with the exception of the word "Zuma" or to the representation of the label appearing on the drawing.
Particular description of goods.—Chocolate Sirup or Confection Adapted for Use as a Spread or Sauce or for Making Food Beverages, Candy, Cake, and Like Articles of Food.
Claims use since Oct. 19, 1926.

Ser. No. 240,916. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) KNOWLES MUSHROOM VENTILATOR CO., New York, N. Y. Filed Dec. 3, 1926.

DISC LOC

Particular description of goods.—Gallery Riser Vents for Auditoriums.
Claims use since June 15, 1926.

Ser. No. 240,993. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORWEGIAN LEATHER WATER-PROOFING COMPANY, St. Paul, Minn. Filed Dec. 4, 1926.



No claim is made to the words "Oil Paste" nor the representation of a container apart from the mark shown.
Particular description of goods.—Waterproofing Composition for Leather.
Claims use since Oct. 15, 1925.

Ser. No. 241,190. (CLASS 37. PAPER AND STATIONERY.) TENSION ENVELOPE CO. INC., Brooklyn, N. Y. Filed Dec. 8, 1926.

HETCO CLASP

No claim is made to the word "Clasp" apart from the mark shown in the drawing.
Particular description of goods.—Mailing Envelopes of the Clasp Type.
Claims use since Dec. 27, 1925.

Ser. No. 241,204. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARDS & DEUTSCH LITHOGRAPHING COMPANY, Chicago, Ill. Filed Dec. 9, 1926.

Edelco PROCESS

No claim is made to the word "Process" apart from the mark shown in the drawing.
Particular description of goods.—Lithographs and Halftone Photolithographs.
Claims use since Nov. 23, 1926.

Ser. No. 241,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIO M. LUPUS, New York, N. Y. Filed Dec. 9, 1926.



No claim is made to the word "Valencia" apart from the mark shown in the drawing.
Particular description of goods.—Perfumery, Toilet Lotions, Face Powder, Talcum Powder, Face and Hand Creams, Face and Lip Rouge, and Bath Salts.
Claims use since February, 1926.

Ser. No. 241,267. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EAGLE ELECTRIC MFG. CO., Brooklyn, N. Y. Filed Dec. 10, 1926.



The words "Perfection is Not an Accident" are claimed only in connection with the other features of the mark.
Particular description of goods.—Attachment Plugs, Appliance Cords, Lamp Receptacles, Electric Sadirons, Electric-Sadiron Heating Elements, Radiant Heaters, Radiant Heating Coils, Resistance Wires, Grid Leaks, Variable Grid Leaks, Window Lead-Ins, Aerial Sets; Porcelain, Glass, and Composition Insulators; Ground Clamps, Electric Soldering Irons, Connecter Clips, Electric Sign Flashes, Extension Cords, Battery Clips, and Lightning Arresters.
Claims use since Jan. 1, 1921.

Ser. No. 241,356. (CLASS 39. CLOTHING.) HARRY D. ROSENBERG, doing business as Mildred Hat Shop, New York, N. Y. Filed Dec. 11, 1926.

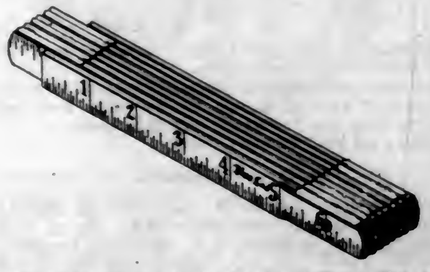
NEW-YORK PARIS VIENNA
Renyea
2449 BROADWAY
IMPORTER

Applicant disclaims the terms "New York," "Paris," "Vienna," "2449 Broadway," and "Importer" from the mark as shown on the drawing.

Particular description of goods.—Women's Hats, Women's Underwear of Textile Fabric, Leather and Fabric Gloves, Hosiery, Women's Sport Coats, and Women's Sport Suits.

Claims use since Oct. 1, 1925.

Ser. No. 241,488. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES. MASTER RULE MFG. CO. INC., New York, N. Y. Filed Dec. 14, 1926.



The lining shown on the drawing indicates the color blue. The mark consists of the words "Blue End" and coloring of the ends of the section of the rule blue. The representation of the ruler is no part of the mark sought to be registered.

Particular description of goods.—Rules, Folding Rules, and Extension Rules.

Claims use since 1925.

Ser. No. 241,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT A. JOHNSTON CO., Milwaukee, Wis. Filed Dec. 20, 1926.

DANDY

Particular description of goods.—Cookies, a Biscuit Product.

Claims use since Aug. 24, 1922.

Ser. No. 241,779. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MINNEAPOLIS HEAT REGULATOR CO., Minneapolis, Minn. Filed Dec. 21, 1926.

PRESSURESTAT

Particular description of goods.—Pressure-Operated Electric Switches for Temperature Regulation and Safety Control of Heating Plants.

Claims use since Nov. 27, 1926.

Ser. No. 241,780. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MINNEAPOLIS HEAT REGULATOR CO., Minneapolis, Minn. Filed Dec. 21, 1926.

PROTECTORELAY

Particular description of goods.—Unitary Automatic Electric Switch Systems for Heat Regulation and Safety Control of Heating Plants.

Claims use since Mar. 27, 1926.

Ser. No. 241,782. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MINNEAPOLIS HEAT REGULATOR CO., Minneapolis, Minn. Filed Dec. 21, 1926.

PROTECTOSTAT

Particular description of goods.—Thermally-Operated Electric Cut-Out Switches Used as Safety Control for Heating Plants.

Claims use since Mar. 15, 1926.

Ser. No. 241,819. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GARDNER MANUFACTURING CO., Los Angeles, Calif. Filed Dec. 22, 1926.

GEE-GEE

Particular description of goods.—Metal Polish, Auto Top Dressing, Enamel Cleaner, and Auto Cleaner.

Claims use since June 1, 1925.

Ser. No. 242,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESLIE-CALIFORNIA SALT CO., San Francisco, Calif. Filed Dec. 27, 1926.

LESLIE PETLICK

Applicant disclaims for its mark the name "Leslie" except in the exact association and relation in which it appears.

Particular description of goods.—Salt.

Claims use since Oct. 5, 1922.

Ser. No. 242,025. (CLASS 37. PAPER AND STATIONERY.) SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis. Filed Dec. 27, 1926.

Sengbusch
No-Over-Flo

No claim is made to the words "No-Over-Flo" apart from the mark as shown. The word "Sengbusch" appearing in script on the drawing is a portion of the signature of the president of the corporation.

Particular description of goods.—Sponge Cups with and without Sponges.

Claims use since November, 1923.

Ser. No. 242,609. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES F. WHITE & CO. INC., New York, N. Y. Filed Jan. 11, 1927.

WINNER

Particular description of goods.—Tailors' All-Linen Canvas in the Piece.

Claims use since June, 1923.

Ser. No. 242,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE LOEWE, Paris, France. Filed Jan. 12, 1927.

ISABEY

Particular description of goods.—Perfumes.

Claims use since Jan. 31, 1924.

Ser. No. 242,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STORZ LABORATORIES, Chicago, Ill. Filed Jan. 14, 1927.



Particular description of goods.—Toilet Preparations—Namely, Finishing Cream, Cleansing Cream, Cold Cream, Almond Cream, Lemon Cream, Tissue Cream, Acne Cream, Plain Shampoo, Tar Shampoo, Liquid Brilliantine, Paste Brilliantine, Face Powder, Compacts, Rouge, Lip Stick, Eyebrow Pencil, Hand Lotion; Hot Oil, Being a Scalp-Massaging Oil Used in Heated Condition; Bath Crystals, Toilet Water, Perfume, Talcum Powder, Hair Tonic, and Deodorant.

Claims use since Jan 4, 1927.

Ser. No. 242,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATWOOD & COMPANY, Minneapolis, Minn. Filed Jan. 15, 1927.

Invitation

Particular description of goods.—Coffee.

Claims use since on or about Aug. 1, 1925.

Ser. No. 242,883. (CLASS 15. OILS AND GREASES.) JEAN GEORGES DINTILHAC, Paris, France. Filed Jan. 15, 1927.

Les Yaccolines

Particular description of goods.—Lubricating Oils and Greases.

Claims use since Nov. 28, 1919.

Ser. No. 242,926. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS STAR FLOUR MILLS, Galveston, Tex. Filed Jan. 15, 1927.

TEXAS STAR
FLOUR MILLS
ESTRELLA
GALVESTON, TEXAS.
U. S. A.

No claim is made to the exclusive use of the words "Galveston, Texas, U. S. A.," "Flour Mills," and "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Wheat Flour.

Claims use since 1899.

Ser. No. 243,095, (CLASS 27. HOROLOGICAL INSTRUMENTS.) L & L WATCH CASE COMPANY, New York, N. Y. Filed Jan. 20, 1927.

GRANITE

Particular description of goods.—Watchcases.
Claims use since about Dec. 15, 1926.

Ser. No. 243,170. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE H. RENZ, Newark, N. J. Filed Jan. 21, 1927.

KICK-OFF

Particular description of goods.—Indoor or Outdoor Game Consisting of a Board with Apertures Therein Through Which a Ball May Be Thrown or Kicked.
Claims use since Aug. 1, 1926.

Ser. No. 243,183. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ZETKA LABORATORIES, INC., Newark, N. J. Filed Jan. 21, 1927.



The right-angled triangles appearing at the top and bottom of the rectangular field or panel are lined to indicate blue; the intervening parallelogram or diagonal band, the body of the circular figure in the upper portion of the panel, and the horizontal "Z" within such circular figure are lined to indicate red; the inner circumferential band of the circular figure and the vertical "Z" within such figure are lined to indicate brown, as is also the narrow line at the lower edge of the red diagonal band; while a circumferential line enclosing the circular figure, as well as the word "Zetka," appear as white.
Particular description of goods.—Electron Tubes.
Claims use since Apr. 15, 1926.

Ser. No. 243,200. (CLASS 39. CLOTHING.) DE LUXE CLOTHING MANUFACTURING COMPANY, Baltimore, Md. Filed Jan. 22, 1927.



Applicant disclaims the right to the exclusive use of the words "De Luxe," "De Luxe Clothes," and "Baltimore."
Particular description of goods.—Men's and Young Men's Suits, Overcoats, and Topcoats.
Claims use since June 13, 1920.

Ser. No. 243,395. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STANDARD INSULATION COMPANY, Rutherford, N. J. Filed Jan. 26, 1927.

BAKCOTE

Particular description of goods.—Insulating Varnish.
Claims use since about Jan. 1, 1926.

Ser. No. 243,418. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. COOLS, Opelousas, La. Filed Jan. 27, 1927.



Facsimile of applicant's signature forms a feature of the mark. All wording except the facsimile of the signature is disclaimed apart from the drawing as being descriptive and not capable of exclusive appropriation.
Particular description of goods.—Cough Sirup and Pectoral Tea.
Claims use since Nov. 26, 1926.

Ser. No. 243,517. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WYANDOTTE AUTOMATIC FOUNTAIN COMPANY, Kansas City, Kan. Filed Jan. 28, 1927.

Sani-Fount

The word "Fount" is disclaimed apart from the mark as shown.
Particular description of goods.—Automatic Soda Fountains Comprising two Types.
Claims use since Dec. 16, 1922.

Ser. No. 243,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAYLE FOOD PRODUCTS CO., St. Louis, Mo. Filed Jan. 31, 1927.

ACORN



No claim is made to the color red as shown in the drawing.
Particular description of goods.—Peanut Butter and Prepared Mustard Bran.
Claims use since on or about July 15, 1926.

Ser. No. 243,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. GARRETSON, doing business as Eye-Rine Remedy Co., Portland, Oreg. Filed Jan. 31, 1927.



The trade-mark consists of a design of the human eye with portrait of applicant placed in the pupil thereof.
Particular description of goods.—Eye Lotion.
Claims use since about Jan. 1, 1910.

Ser. No. 243,887. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) RED SUN PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 5, 1927.

POCAHONTAS



Particular description of goods.—Hop-Flavored Malt Sirup.
Claims use since Dec. 20, 1925.

Ser. No. 243,918. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTO-KLEAN STRAINERS, LIMITED, London, England. Filed Feb. 7, 1927.

AUTO-KLEAN

Particular description of goods.—Mechanical Liquid Straining and Filtering Apparatus.
Claims use since Feb. 16, 1923.

Ser. No. 243,956. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCIS M. LINDERSMITH, doing business as F. M. Lindersmith Chemical Company, Spokane, Wash. Filed Feb. 7, 1927.



Particular description of goods.—Dental Powder.
Claims use since Jan. 1, 1927.

Ser. No. 243,981. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STERLING TIRE CORPORATION, Rutherford, N. J. Filed Feb. 7, 1927.

BOND CORD

No claim is made for the word "Cord" apart from the mark shown in the drawing.
Particular description of goods.—Automobile Tire Casings.
Claims use since Aug. 1, 1924.

Ser. No. 244,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. M. NULL, Memphis, Tenn. Filed Feb. 8, 1927.

PEBS

Particular description of goods.—Preparation for Use in the Treatment of Poison-Oak Infections, Erysipelas, Blood Poison, and Snake Bite.
Claims use since Jan. 22, 1927.

Ser. No. 244,089. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) NATIONAL SMELTING & REFINING CORP., New York, N. Y. Filed Feb. 9, 1927.

PLAT-ORO

Particular description of goods.—Precious-Metal Alloys for Jewelry Purposes.
Claims use since Dec. 2, 1915.

Ser. No. 244,157. (CLASS 39. CLOTHING.) C. CRAWFORD HOLLIDGE, Boston, Mass. Filed Feb. 10, 1927.

DURASHEER

Particular description of goods.—Women's, Girls', and Misses' Undergarments and Clothing—Namely, Dresses, Suits, Skirts, Nightgowns, Petticoats, Slips, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Blouses, Bathing Suits, Dressing Gowns, Sweaters, Muffler, Hosiery, Raincoats, Sport Coats, Capes and Coats Made Out of Textile Material, and Dresses, Suits, Skirts, Nightgowns, Petticoats, Slips, Bodices, Chemises, Drawers, Combination, Bath Robes, Shirt Waists, Blouses, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Hats, and Caps Made out of Knitted Material.
Claims use since Jan. 19, 1927.

Ser. No. 244,448. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS AND COMPANY, INCORPORATED, Philadelphia, Pa. Filed Feb. 16, 1927.

LUJOLA

Particular description of goods.—Ready-Mixed Paint, Floor Wax, Enamel Paint, Pigmented Varnish or Oil Stain, and Varnish Finish.
Claims use since Oct. 29, 1926.

Ser. No. 244,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAAMLOOZE VENNOOTSCHAP EXPORT-EN IMPORTMAATSCHAPPIJ ALBERTO ADERS & CO., The Hague, Netherlands. Filed Feb. 16, 1927.

MONITOR BRAND

The word "Brand" is hereby disclaimed apart from the mark as shown.
Particular description of goods.—Spices and Cocoa.
Claims use since Dec. 16, 1926.

Ser. No. 244,492. (CLASS 15. OILS AND GREASES.) THE CINCINNATI VULCAN COMPANY, Cincinnati, Ohio. Filed Feb. 17, 1927.



The letter "V" is lined for shading only. No claim is made to the words "Trade Mark" apart from the mark shown in the drawing.
Particular description of goods.—Gasoline, Kerosene; Refined Oils—Namely, Lubricating Oils for Automobiles, Crusher, Cutting Compressors, Ford Chatterless, Engine, Motor Cycle, Tractor, Turbine, Transmission, and Steam Cylinder; and Greases for Transmissions, Cups, and Bearings.
Claims use since Jan. 19, 1923.

Ser. No. 244,563. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) W. N. MATTHEWS CORPORATION, St. Louis, Mo. Filed Feb. 18, 1927.

FUSWITCH

Particular description of goods.—Electric Switches and Fuses.
Claims use since about June, 1916.

Ser. No. 244,587. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio. Filed Feb. 18, 1927.



No claim is made to the word "Machines" nor to the representation of the machine apart from the mark as shown in the drawing. Applicant is the owner of registration Nos. 72,651 and 124,298.
Particular description of goods.—Sewing Machines.
Claims use since on or about Jan. 1, 1925.

Ser. No. 244,607. (CLASS 31. FILTERS AND REFRIGERATORS.) ELECTRIC REFRIGERATION CORPORATION, Detroit, Mich. Filed Feb. 19, 1927.

IDEAL

Particular description of goods.—Refrigerators and Refrigerator Parts.
Claims use since about June 9, 1909.

Ser. No. 244,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHATTERTON & SON, Lansing, Mich. Filed Feb. 21, 1927.

QUAIL

Particular description of goods.—Dried Beans.
Claims use since 1922.

Ser. No. 244,736. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH S. AUERBACH, doing business as D. Auerbach & Sons, New York, N. Y. Filed Feb. 23, 1927.

RED BAND

Particular description of goods.—Candy.
Claims use since about Jan. 1, 1902.

Ser. No. 244,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEAN C. JACKSON, Los Angeles, Calif. Filed Feb. 23, 1927.



Applicant disclaims any right in or to any particular color for portraying the mark and disclaims the words "Mush" and "Originators Since 1896" apart from the mark as shown in the drawing.
Particular description of goods.—Mush.
Claims use since Sept. 1, 1926.

Ser. No. 244,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIPLEY FISH CO., INC., Seattle, Wash. Filed Feb. 23, 1927.



The words "Sea Food" and "Wholesale Fish" and the pictorial representation of a fish are disclaimed apart from the other features of the mark shown.
Particular description of goods.—Fresh, Canned, Dried Fish, Smoked, Salted, and Frozen Fish.
Claims use since Nov. 1, 1924.

Ser. No. 244,818. (CLASS 32. FURNITURE AND UPHOLSTERY.) DU PONT VISCOLOID COMPANY, New York, N. Y. Filed Feb. 24, 1927.

PYRALIN SHERATON

No claim is made to the word "Sheraton" apart from the mark shown.
Particular description of goods.—Hand Mirrors and Picture Frames.
Claims use since Dec. 10, 1926.

Ser. No. 244,908. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WILLIAM E. WRIGHT AND SONS COMPANY, Orange, N. J. Filed Feb. 25, 1927.



Applicant owns registration Nos. 57,320, 209,990, and 212,222. No registration rights are claimed for the words "Bias Fold Tape" and "It Turns Itself."
Particular description of goods.—Bias-Fold Tapes and Trimmings of Fabric.
Claims use since Nov. 15, 1915.

Ser. No. 245,029. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RED MOTOR CAR COMPANY, Lansing, Mich. Filed Feb. 28, 1927.



No claim is made to the descriptive numeral "6" apart from the mark as shown.

Particular description of goods.—Automobiles.

Claims use since Feb. 10, 1926.

Ser. No. 245,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ANIMAL PRODUCTS CO., Oakland, Calif. Filed Mar. 2, 1927.

CAL-O-RATION

Applicant disclaims the word "Ration" apart from the mark as shown.

Particular description of goods.—Canned Meat and Vegetables for Cats and Dogs.

Claims use since Dec. 15, 1926.

Ser. No. 245,105. (CLASS 27. HOROLOGICAL INSTRUMENTS.) PHINNEY-WALKER COMPANY, New York, N. Y. Filed Mar. 2, 1927.

EMPIRE

Particular description of goods.—Automobile Clocks.

Claims use since Jan. 8, 1926.

Ser. No. 245,136. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALFRED BLOCH, doing business as Kahn Frères, Brussels, Belgium. Filed Mar. 3, 1927.



Particular description of goods.—Sensitized Photographic Papers.

Claims use since November, 1926.

Ser. No. 245,138. (CLASS 32. FURNITURE AND UPHOLSTERY.) BORKMAN RADIO CORPORATION, Salt Lake City, Utah. Filed Mar. 3, 1927.

Velvet

Particular description of goods.—Loud-Speaker Cabinets.

Claims use since May 1, 1925.

Ser. No. 245,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ BELGE DES PRODUITS RATIONNELS SOCIÉTÉ ANONYME AHIN LEZ-HUY, Ahin near Huy, Belgium. Filed Mar. 3, 1927.

TELUM

Particular description of goods.—Pharmaceutical Substances—Namely, Rectal Suppositories.

Claims use since November, 1926.

Ser. No. 245,210. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HERS & WIENER, INCORPORATED, New York, N. Y. Filed Mar. 4, 1927.

LE NORJA

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches.

Claims use since Mar. 1, 1926.

Ser. No. 245,242. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ASSOCIATED DENTAL PRODUCTS, INC., New York, N. Y. Filed Mar. 5, 1927.

Absorbent Cellu-Rolls

The words "Absorbent" and "Rolls" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Absorbent Wood-Fiber Rolls for Dental Use.

Claims use since Jan. 10, 1927.

Ser. No. 245,307. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WAVERLY MUSICAL PRODUCTS CO., INC., New York and Long Island City, N. Y. Filed Mar. 5, 1927.



No claim is made to the exclusive right to the use of the words "Trade-Mark."

Particular description of goods.—Patent Heads for Guitars, Mandolins, Banjos, and Violins; Tailpieces for Guitars, Mandolins, Banjos, and Banjo Mandolins; String Pegs for Banjos and Ukuleles; Guitar Steels; Hooks, Bolts, Screws, Shoes, End Pins, Nuts, Brackets, Hoops, Arm Rests, Leg Rests, Neck Braces, Wrenches, Resonators, and Mutes for Banjos, Tuning Forks, and Tambourine Jingles.

Claims use since Feb. 25, 1927.

Ser. No. 245,319. (CLASS 15. OILS AND GREASES.) ARMOULD OIL COMPANY, Quincy, Ill. Filed Mar. 7, 1927.

CUSTOM MADE

Particular description of goods.—Lubricating Oil.

Claims use since about Nov. 22, 1926.

Ser. No. 245,357. (CLASS 39. CLOTHING.) ISIDORE LEIBOVITZ, doing business as S. & L. Belt Co., New York, N. Y. Filed Mar. 7, 1927.



Particular description of goods.—Belts in the Nature of Garment Supporters.

Claims use since Sept. 1, 1926.

Ser. No. 245,422. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS E. BLACKMER, Binghamton, N. Y. Filed Mar. 9, 1927.

SANIPAK

Particular description of goods.—White-Clay Face Pack, a Hairdressing, and a Shampoo.

Claims use since Jan. 1, 1927.

Ser. No. 245,491. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Mar. 10, 1927.

WELFLEET

Particular description of goods.—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.

Claims use since June 14, 1923.

Ser. No. 245,603. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSE M. WEBER, Chicago, Ill. Filed Mar. 11, 1927.

PRODUCT OF THE HEN
Plus
HENFROOT
Service

No claim is made to the words "Product of the Hen" and "Plus Service" apart from the mark as shown.

Particular description of goods.—Eggs.

Claims use since Feb. 1, 1927.

Ser. No. 245,619. (CLASS 39. CLOTHING.) CHARLES SALOMON & CO. INC., New York, N. Y. Filed Mar. 12, 1927.

VOLGA

Particular description of goods.—Dresses for Misses and Women.

Claims use since about Jan. 27, 1927.

Ser. No. 245,620. (CLASS 39. CLOTHING.) ARTHUR COHEN DRESS CORPORATION, New York, N. Y. Filed Mar. 12, 1927.



Particular description of goods.—Misses' and Women's Dresses.
Claims use since Mar. 8, 1927.

Ser. No. 245,668. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TAYLOR & CO., INC., Newark, N. J. Filed Mar. 12, 1927.

DIANA

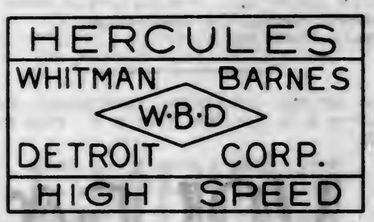
Particular description of goods.—Watch Bracelets, Lorgnette Chains, Finger Rings, Necklaces, Pendants, Bracelets, Cuff Links, Bar Pins, Brooches, Lorgnettes, Studs, Scarf Pins, and Hatpins, Vest Buttons, and Handy Pins. Made of or Plated with Precious Metal.
Claims use since about August, 1926.

Ser. No. 245,675. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich. Filed Mar. 12, 1927.

HERCULES

Particular description of goods.—Twist Drills, Reamers, End Mills, Cutters, Hollow Mills, Counterbores, Countersinks, Sockets, Sleeves, Reducers, Inserted-Point Centers, and Arbors.
Claims use since Oct. 11, 1926.

Ser. No. 245,676. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich. Filed Mar. 12, 1927.



The words "High Speed" are disclaimed apart from the other features of the mark.
Particular description of goods.—Twist Drills, Reamers, End Mills, Cutters, Hollow Mills, Counterbores, Countersinks, Sockets, Sleeves, Reducers, Inserted-Point Centers, and Arbors.
Claims use since Oct. 11, 1926.

Ser. No. 245,677. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich. Filed Mar. 12, 1927.



Particular description of goods.—Twist Drills, Reamers, End Mills, Cutters, Hollow Mills, Counterbores, Countersinks, Sockets, Sleeves, Reducers, Inserted-Point Centers, and Arbors.
Claims use since Oct. 14, 1926.

Ser. No. 245,701. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) H. C. EVANS & COMPANY, Chicago, Ill. Filed Mar. 14, 1927.

Profit Sharing
Player Piano

No claim is made to the exclusive use of the words "Player Piano" apart from the mark shown.
Particular description of goods.—Pianos.
Claims use since about Nov. 27, 1922.

Ser. No. 245,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN KALKANIAN, doing business as Ararat Candy Company, Chicago, Ill. Filed Mar. 14, 1927.

O-Kiss Me

Particular description of goods.—Chocolate-Covered Jelly-Filled Candy.
Claims use since Mar. 1, 1927.

Ser. No. 245,785. (CLASS 39. CLOTHING.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 15, 1927.

LABOR KING

Particular description of goods.—Men's Cotton Gloves With Plain or Leather Palm.
Claims use since Dec. 1, 1926.

Ser. No. 245,786. (CLASS 39. CLOTHING.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 15, 1927.

SLEDGE HAMMER

Particular description of goods.—Men's Cotton Gloves with Plain or Leather Palm.
Claims use since Dec. 1, 1926.

Ser. No. 245,787. (CLASS 39. CLOTHING.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 15, 1927.

TUFF-UN

Particular description of goods.—Men's Cotton Gloves with Plain or Leather Palm.
Claims use since Dec. 1, 1926.

Ser. No. 245,792. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed Mar. 15, 1927.



No claim is made to the exclusive right to the use of the words appearing on the drawing other than "Keystona" and "Keystone Varnish Company." The shading on the drawing indicates green coloring.
Particular description of goods.—Ready-Mixed Paints.
Claims use since about January, 1916.

Ser. No. 245,810. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) K. C. SEELBACH COMPANY, New York, N. Y. Filed Mar. 15, 1927.

Duz-More

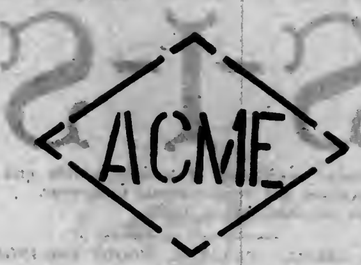
Particular description of goods.—Razors.
Claims use since Jan. 5, 1925.

Ser. No. 245,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAKER BROTHERS COMPANY, Streator, Ill. Filed Mar. 16, 1927.

STARVED ROCK

Particular description of goods.—Canned Vegetables—Namely, Sweet Potatoes, Corn, Tomatoes, and Spinach; Canned Fruits—Namely, Peaches, Plums, Pears, Pineapple, Apricots, and Cherries; Canned Berries—Namely, Blackberries and Strawberries; Canned Salmon, Coffee, Pork and Beans, Canned Fruit Preserves, Wheat Flour, Pickles, Peanut Butter, Vinegar; Food-Flavoring Extracts and Spices—Namely, Nutmeg, Mustard, Cinnamon, Black Pepper, Red Pepper, Ginger, Sage, Cloves, Mace, Chili Powder, Paprika, Allspice, and Turmeric.
Claims use since 1901.

Ser. No. 245,836. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILL & DUFFUS, London, England. Filed Mar. 16, 1927.



Particular description of goods.—Nut Kernels in the Natural State for Food.
Claims use since Nov. 5, 1907.

Ser. No. 245,864. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ROSEN & STEINBERG, Brooklyn, N. Y. Filed Mar. 16, 1927.

ROXY

Particular description of goods.—Watches, Watchcases, and Clocks.
Claims use since Jan. 15, 1927.

Ser. No. 245,867. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) APOLLONIA SLAWATYCKI, Buffalo, N. Y. Filed Mar. 16, 1927.



The words "Trade-Mark" and "Herb Pills" are disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Herb Pills Composed of Aloe Extract, Rhubarb, Sweet Flag, Fenugreek, Dwarf, Elder, Fennel, Juniper, and Soap, Used for the Relief of Constipation and Disorders Resulting Therefrom.
Claims use since Nov. 10, 1921.

Ser. No. 245,869. (CLASS 39. CLOTHING.) STEP-IN-ALL UNDERWEAR CORP., Springfield, Mass. Filed Mar. 16, 1927.

S-I-S

Particular description of goods.—Adult's and Children's Knitted and Textile Fabric Underwear.
Claims use since Sept. 1, 1926.

Ser. No. 245,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. LAZIER MANUFACTURING CO., St. Louis, Mo. Filed Mar. 17, 1927.

Knight Klub

Particular description of goods.—Flavoring Extracts for Food Flavoring.
Claims use since Mar. 1, 1927.

Ser. No. 245,945. (CLASS 31. FILTERS AND REFRIGERATORS.) A. C. WICKE MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 17, 1927.



Particular description of goods.—Refrigerators.
Claims use since about February, 1923.

Ser. No. 245,988. (CLASS 39. CLOTHING.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Mar. 18, 1927.



No claim is made to the words "Toe" and "Heel" apart from the mark shown in the drawing.
Particular description of goods.—Hosiery.
Claims use since Sept. 27, 1911.

Ser. No. 245,989. (CLASS 39. CLOTHING.) L. J. & C. D. JAFFEE, INC., New York, N. Y. Filed Mar. 18, 1927.

PREPTON HALL

"Prepton Hall."
Particular description of goods.—Men's and Young Men's Suits in One, Two, Three, and Four Piece Garments.
Claims use since Sept. 1, 1926.

Ser. No. 245,991. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHNSTON EXPORT PUBLISHING CO., New York, N. Y. Filed Mar. 18, 1927.

EL EXPORTADOR AMERICANO

The drawing is lined for the color red.
Particular description of goods.—Magazine.
Claims use since April 1889.

Ser. No. 245,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLOMON J. MUROFF, doing business as The Murosen Hygiene Co., Brooklyn, N. Y. Filed Mar. 18, 1927.

MUROSEN

Particular description of goods.—Mouth Wash and Dental Pastes.
Claims use since Jan. 1, 1927.

Ser. No. 246,013. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CAPILLO MANUFACTURING CO., Baltimore, Md. Filed Mar. 19, 1927.

AMOR-TONE TABLETS

The word "Tablets" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Vitalizing Tonic to the Reproductive System.
Claims use since Mar. 14, 1927.

Ser. No. 246,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CAPILLO MANUFACTURING CO., Baltimore, Md. Filed Mar. 19, 1927.

KEEPYA HAIR TONIC

The words "Hair Tonic" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Hair Tonic.
Claims use since Mar. 14, 1927.

Ser. No. 246,016. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONTINENTAL BAKING CO., INC., New York, N. Y. Filed Mar. 19, 1927.

Wheatall

Particular description of goods.—Bread.
Claims use since on or about Mar. 7, 1927.

Ser. No. 246,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GISBERTO GRANUCCI, San Francisco, Calif. Filed Mar. 19, 1927. Under 10-year proviso.



Particular description of goods.—Olive Oil.
Claims use since Jan. 1, 1894.

Ser. No. 246,031. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE KENTUCKY HOLDING CORPORATION, Louisville, Ky. Filed Mar. 19, 1927. Under 10-year proviso.



Particular description of goods.—Whisky.
Claims use since Jan. 1, 1880.

Ser. No. 246,032. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE KENTUCKY HOLDING CORPORATION, Louisville, Ky. Filed Mar. 19, 1927.



The name and portrait is that of John Paul Jones, Scottish American naval officer 1747–1792.
Particular description of goods.—Whisky.
Claims use since Jan. 1, 1927.

Ser. No. 246,045. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NEW SOUTH PUBLISHING CO., Chattanooga, Tenn. Filed Mar. 19, 1927.

The New South

"The New South."
Particular description of goods.—Monthly Magazine.
Claims use since Feb. 5, 1927.

Ser. No. 246,059. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Mar. 19, 1927.



No claim is made to the word "Best" apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since on or about Sept. 18, 1922.

Ser. No. 246,066. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. F. BINGHAM, Sioux Falls, S. Dak. Filed Mar. 21, 1927.



Bingham

The portrait appearing upon drawing is that of applicant.

Particular description of goods.—Liniment for the Treatment of Bruises, Cuts, Sores, Cancer, Eczema, and Other Skin Diseases.

Claims use since Mar. 1, 1927.

Ser. No. 246,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KRAFT MILK PRODUCTS CO., Chicago, Ill. Filed Mar. 21, 1927.

K-M's

Particular description of goods.—Compressed Malted-Milk Tablets.

Claims use since Mar. 3, 1927.

Ser. No. 246,103. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARATHON CO., Attleboro, Mass. Filed Mar. 21, 1927.

NIFTEE

Particular description of goods.—Cigarette Cases, Cigar Lighters, and Match Cases, All Made of or Plated with Precious Metal.

Claims use since Mar. 8, 1927.

Ser. No. 246,106. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) METRO-GOLDWYN PICTURES CORPORATION, New York, N. Y. Filed Mar. 21, 1927.



Particular description of goods.—Motion-Picture Films.

Claims use since July 25, 1924.

Ser. No. 246,111. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ISAAC NETZORG, doing business as Pren Polish Manufacturer, Detroit, Mich. Filed Mar. 21, 1927.



The inwardly-serrated margin of the drawing is lined for red. The words "Pren Polish 1858" appear on a field lined for black, and the word "Polish," with the exception of the first letter, is lined for red. The word "Polish" is hereby disclaimed apart from the remainder of the mark.

Particular description of goods.—Piano, Furniture, and Automobile Polish.

Claims use since Mar. 1, 1927.

Ser. No. 246,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS STAR FLOUR MILLS, Galveston, Tex. Filed Mar. 21, 1927.

TEXAS STAR FLOUR MILLS

LIBERTAD

GALVESTON.

The words "Flour Mills" and "Galveston" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Wheat Flour, Graham Flour, Rye Flour, Corn Meal, and Corn Grits.

Claims use since Jan. 1, 1899.

Ser. No. 246,134. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS STAR FLOUR MILLS, Galveston, Tex. Filed Mar. 21, 1927.

TEXAS STAR FLOUR MILLS.

The words "Flour Mills" do not form a part of the registration sought apart from the mark shown in the drawing. The lining in the drawing represents the colors red and blue.

Particular description of goods.—Wheat Flour.

Claims use since 1877.

Ser. No. 246,138. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VINCENT BACH CORPORATION, New York, N. Y. Filed Mar. 21, 1927.

Mercedes

Particular description of goods.—Wind and Percussion Musical Instruments—Namely, Cornets, Trumpets, French Horns, Altos, Mellophones, Trombones, Barytones, Euphoniums, Tenor Horns, Eb Basses, BBb Basses (Sousaphones), Bugles, Clarinets, Flutes, Oboes, English Horns, Bassoons, Saxophones, Tympani, and Drums; and Also Parts and Accessories Appertaining to Said Instruments—Namely, Mouthpieces, Mutes, Valves, Water Keys, Bells, Reeds, Pedals, Drumsticks, and Drumheads.

Claims use since Jan. 15, 1927.

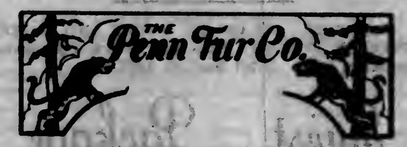
Ser. No. 246,145. (CLASS 39. CLOTHING.) ARTHIL HOSIERY MILLS, INC., New York, N. Y. Filed Mar. 22, 1927.

Phoebe-Fair

Particular description of goods.—Silk Hosiery.

Claims use since Mar. 10, 1927.

Ser. No. 246,170. (CLASS 39. CLOTHING.) IDEL MARKOWITZ, doing business as The Penn Fur Company, New York, N. Y. Filed Mar. 22, 1927.



Particular description of goods.—Men's and Women's Fur Coats and Fur-Trimmed Coats, and Women's Fur Capes and Fur-Trimmed Capes, Fur Cloaks and Fur-Trimmed Cloaks, and Fur Neck Pieces.

Claims use since Aug. 1, 1926.

Ser. No. 246,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MIAMI VALLEY COOPERATIVE MILK PRODUCERS ASSOCIATION, Dayton, Ohio. Filed Mar. 22, 1927.

DAYTON DAIRY MAID

No claim is made to the word "Dayton" apart from the mark shown in the drawing.

Particular description of goods.—Butter.

Claims use since on or about Apr. 6, 1923.

Ser. No. 246,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Mar. 22, 1927.



Particular description of goods.—Wheat Flour.

Claims use since Aug. 26, 1924.

Ser. No. 246,225. (CLASS 38. PRINTS AND PUBLICATIONS.) RADIO DEALERS PUBLISHING CO., INC., New York, N. Y. Filed Mar. 23, 1927.

The RADIO BLUE BOOK

"The Radio Blue Book."

Particular description of goods.—Semiannual Publication.

Claims use since December, 1926.

Ser. No. 246,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID ICE CREAM CORPORATION, Brooklyn, N. Y. Filed Mar. 23, 1927.

Guest Package

No claim is made to the word "Package" apart from the mark as shown in the drawing.

Particular description of goods.—Ice Cream Confection.

Claims use since Dec. 2, 1926.

Ser. No. 246,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM J. SPAIN, Minneapolis, Minn. Filed Mar. 23, 1927.



No claim is made to the words "Specialties," "Minneapolis, Minn." and "Trade-Mark" apart from the mark as shown.

Particular description of goods.—Cold Cream, Skin Compound, Compound for Perspiration, and Compound for Corns.

Claims use since Feb. 17, 1927.

Ser. No. 246,271. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ELEC-TRU-TONE, CORPORATION, Los Angeles, Calif. Filed Mar. 24, 1927.

ELEC-TRU-TONE

Particular description of goods.—Radio Equipment, Particularly a Reproducer for Utilizing a Radio Set for Reproducing the Selection on a Phonograph Disk.

Claims use since Oct. 25, 1926.

Ser. No. 246,272. (CLASS 39. CLOTHING.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 24, 1927.

THUNDERBOLT

Particular description of goods.—Men's Cotton Gloves with Plain or Leather Palm.

Claims use since Dec. 1, 1926.

Ser. No. 246,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPSALIS BROTHERS, New York, N. Y. Filed Mar. 25, 1927.



The representation of the female figure shown in the drawing is the fanciful creation of the artist. No rights are asserted to the exclusive use of the words "Quality, Purity, Value" apart from the mark as shown in the drawing.

Particular description of goods.—Olive Oil.

Claims use since December, 1923.

Ser. No. 246,339. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESSEX GELATINE COMPANY, Boston, Mass. Filed Mar. 25, 1927.



Particular description of goods.—Gelatin.

Claims use since Aug. 26, 1926.

Ser. No. 246,357. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALTER O'BANNON CO., Tulsa, Okla. Filed Mar. 25, 1927.



No claim is made to the lining which indicates red color on the drawing.

Particular description of goods.—Oil-Field Equipment—Namely, Sucker-Rod Sockets, Sucker-Rod Elevators, Sucker-Rod Hooks, Working Barrels, Connecting Links, Polish-Rod Clamps, Polish-Rod Tops, Hinged Bell Nipples, Tubing Spiders, and Rotary Pumps.

Claims use since 1920.

Ser. No. 246,376. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOLF-THOMEN INCORPORATED, New York, N. Y. Filed Mar. 25, 1927.



No claim is made for the words "Puritas" and "Qualitas" apart from the mark as shown.

Particular description of goods.—Extract Witch-Hazel, Genuine Russian Mineral Oil for Medicinal Use, Milk of Magnesia U. S. P., Pure Norwegian Cod-Liver Oil, Camphorated Oil U. S. P., Hydrogen Peroxide U. S. P., Household Liniment 3 oz., White Liniment 3 oz., Almond Cream, Antiseptic Solution N. F., Alkaline Antiseptic Solution N. F., Aromatic Spirits Ammonia U. S. P., Brown's Mixture U. S. P., Cascara Sagrada Aromatic U. S. P., Cascara Sagrada U. S. P., Castor Oil U. S. P., Castor Oil Tasteless, Chloroform Liniment U. S. P., Glycerin U. S. P., Glycerin and Rose Water, Larkspur Lotion, Oil of Citronella U. S. P., Oil of Wintergreen Synthetic, Paregoric U. S. P., Rhubarb and Soda Mixture N. F., Spirits Camphor U. S. P., Spirits Niter Sweet U. S. P., Spirits of Peppermint U. S. P., Spirits Turpentine U. S. P. for Medicinal Use, Stokes Expectorant U. S. P., Tincture Arnica, Tincture Benzoin U. S. P., Tincture Benzoin Comp. U. S. P., Tincture Green Soap U. S. P., Violet Ammonia, Yellow Throat Mixture, Tincture Iodine U. S. P., Basham's Mixture U. S. P., Bay Rum, Forty Per Cent Alcohol, 39A Cinchona Medication, Burrows Solution U. S. P., Elixir Cinchona N. F. (Calisaya), Elixir Gentian Glycerinated N. F., Elixir Glycerophosphates Comp. N. F., Elixir Iron, Quinine, and Strych. N. F., Elixir Pepsin and Rennin N. F., Elixir Potassium Bromide N. F., Elixir Sodium Bromide N. F., Elixir Terpin Hydrate and Codeine N. F., Elixir Viburnum Prunifolium N. F., Fluid Extract Cascara Sag. Bitter U. S. P., Fluid Extract Cascara Sag. Bitter Nine Per Cent Alcohol W. T., Fluid Extract Cascara Sag. Aromatic U. S. P., Fluid Extract Cascara Sag. Aromatic Eighteen Per Cent Alcohol W. T., Goulards Extract, Lead and Opium Wash, Soap Liniment U. S. P., Solution Potassium Chlorinate N. F., Spirits Ammonia Aromatic U. S. P., Spirits Nitrous Ether U. S. P., Sirup Hypophosphites, Sirup Ipecac U. S. P., Sirup Sarsaparilla Comp. U. S. P., Sirup Squills U. S. P., Sirup Tolu U. S. P., Sirup White Pine Comp. N. F., Sirup Wild Cherry U. S. P., Tincture Cinchona Comp. U. S. P., Tincture Cubbear U. S. P., Tincture Ferri Citro-Chloride, Tincture Gentian Compound U. S. P., Tincture Hyoscyamus U. S. P., Tincture Larkspur N. F., Tincture Myrrh U. S. P., Tincture Nux Vomica U. S. P., Tincture Opium Camphorated U. S. P., Tincture Rhubarb Aromatic U. S. P., Tincture Tolu U. S. P., Tincture Valerian U. S. P., Tincture Vanilla N. F., Vanillin and Coumarin Comp., Wine Antimony N. F., Wine Ipecac N. F., Alum, Anise Seed, Arrowroot, Bicarbonate Soda U. S. P., Boric Acid U. S. P., Boric Acid Ninety Nine and One-Half Per Cent, Borax U. S. P., Chalk and Orris, Chlorate Potash U. S. P., Camomile Fl. German, Charcoal Willow, Comp. Licorice Pow. U. S. P., Cream Tartar U. S. P., Epsom Salts, Fennel Seed, Flaxseed Meal, Flaxseed Whole, Henna Leaves Pow., Henna Leaves Whole, Mustard Eng. Pow., Mustard Superfine, Orris Root, Oxalic Acid, Precipitated Chalk, Rochelle Salts U. S. P., Saltpeter U. S. P., Senna Leaves, Sugar Milk U. S. P., Sulphur U. S. P., Soda Phosphate U. S. P., Sugar Lead, Sunflower Seeds, Talcum Powder (Not Scented), Tartaric Acid (U. S. P., Pow.), Zinc Sulphate U. S. P., Bicarbonate Soda.

Claims use since about Jan. 20, 1926.

Ser. No. 246,379. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AS-KS FUEMER COMPANY, Duluth and Minneapolis, Minn. Filed Mar. 26, 1927.

FUEMER

Particular description of goods.—Electric Heaters and Electric Vaporizers Comprising an Electric Heating Element Adapted to be Used to Heat Fuel Oil Without Igniting said Oil and to Convert the Same into Vapor or Fumes and to Discharge Said Vapor or Fumes into the Intake Manifold of an Internal-Combustion Engine, and for Use for Such Other Purposes and in Such Other Places as May From Time to Time be Found Desirable.

Claims use since Mar. 20, 1925.

Ser. No. 246,391. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CONCENTRATE PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 26, 1927.

APPETONE

Particular description of goods.—Poultry Medicine for Internal Use.

Claims use since Feb. 1, 1926.

Ser. No. 246,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CONCENTRATE PRODUCTS CO., Chicago, Ill. Filed Mar. 26, 1927.

DOUBLE DUTY

Particular description of goods.—Poultry Vermifuge.
Claims use since Feb. 1, 1926.

Ser. No. 246,396. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DU PONT VISCOLOID COMPANY, New York, N. Y. Filed Mar. 26, 1927.

DU PONT
DUMOLD

No claim is made to the word "Du Pont" apart from the mark shown.
Particular description of goods.—Mass-Molding Composition with Pyroxylin Base.
Claims use since Mar. 5, 1927.

Ser. No. 246,397. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 26, 1927.

AEROX

Particular description of goods.—Light-Sensitive Photographic Papers.
Claims use since on or about Mar. 12, 1927.

Ser. No. 246,402. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. LINDSEY GUNN, doing business as The Nor-Va Products Company, Norfolk, Va. Filed Mar. 26, 1927.

NOR-VA

Particular description of goods.—Mayonnaise, Thousand Island Dressing, and Vegetable-Chow Relish.
Claims use since Feb. 16, 1927.

Ser. No. 246,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSH & MARSH, Omaha, Nebr. Filed Mar. 26, 1927.



The drawing is lined conventionally to indicate colors in conformity with the specimens herewith presented—Namely, blue in the central background and alternate circles, red in the letters forming the words "Golden Pheasant Cheese Marsh & Marsh," and yellow on the body and beak of the pheasant. No claim is made to any particular colors of any portion of the mark. No claim is made for the exclusive use of the wording thereon apart from the mark as shown.
Particular description of goods.—Cheese.
Claims use since Sept. 14, 1925.

Ser. No. 246,430. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1927.



Exclusive use of the words "Air," "Cleaned," "Nut," "Pittsburgh," "Coal," and "Co." is disclaimed except in connection with the trade-mark as shown. The drawing is lined to indicate orange.
Particular description of goods.—Coal Excepting Smithing Coal.
Claims use since Jan. 15, 1927.

Ser. No. 246,431. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1927.



Exclusive use of the words "Air," "Cleaned," "Powdered, Fuel, Pittsburgh," "Coal," and "Co." is disclaimed excepting in connection with the mark as shown. The drawing is lined to indicate orange.
Particular description of goods.—Coal Excepting Smithing Coal.
Claims use since Jan. 15, 1927.

Ser. No. 246,432. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1927.



The exclusive use of the words "Air," "Cleaned," "Slack," "Pittsburgh," "Coal," and "Co." is disclaimed excepting in connection with the mark as shown. The drawing is lined to indicate orange.
Particular description of goods.—Coal Excepting Smithing Coal.
Claims use since Jan. 15, 1927.

Ser. No. 246,433. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1927.



Exclusive use of the words "Air," "Cleaned," "Stoker," "Fuel," "Pittsburgh," "Coal," and "Co." is disclaimed excepting in connection with the mark as shown. The drawing is lined to indicate orange.
Particular description of goods.—Coal Excepting Smithing Coal.
Claims use since Jan. 15, 1927.

Ser. No. 246,434. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PITTSBURGH COAL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1927.



Exclusive use of the words "Air," "Cleaned," "Nut & Slack," "Pittsburgh," "Coal," and "Co." is disclaimed excepting in connection with the trade-mark as shown. The drawing is lined to indicate orange.
Particular description of goods.—Coal Excepting Smithing Coal.
Claims use since Jan. 15, 1927.

Ser. No. 246,470. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUGAN BROTHERS, INC., Brooklyn, N. Y. Filed Mar. 28, 1927.

"LITTLE BROWN BERRY PRODUCTS"

No claim is made to the word "Products" apart from the mark shown.
Particular description of goods.—Bread, Rolls, and Cake.
Claims use since Mar. 21, 1927.

Ser. No. 246,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. MARVIN COMPANY, Urbana, Ohio. Filed Mar. 28, 1927.

Santa Claus

Particular description of goods.—Dried Currants and Mincemeat.
Claims use since on or about July 1, 1900.

Ser. No. 246,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. MARVIN COMPANY, Urbana, Ohio. Filed Mar. 28, 1927.

Little Cook

Particular description of goods.—Dried Currants and Mincemeat.
Claims use since on or about July 1, 1907, for currants, and since on or about Sept. 10, 1924, on mincemeat.

Ser. No. 246,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. MARVIN COMPANY, Urbana, Ohio. Filed Mar. 28, 1927.

GOLD RIBBON

Particular description of goods.—Dried Currants and Mincemeat.
Claims use since on or about Nov. 20, 1912, on mincemeat; since on or about Sept. 15, 1923, on currants.

Ser. No. 246,494. (CLASS 11. INKS AND INKING MATERIALS.) NON-SMUT CARBON MFG. CO., INC., Rochester, N. Y. Filed Mar. 28, 1927.



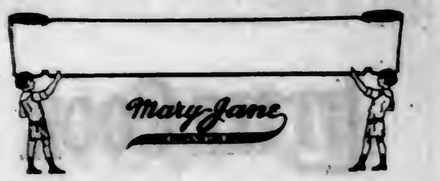
The horizontal lines in the drawing indicate shade lines only.
Particular description of goods.—Carbon Paper and Typewriter Ribbons.
Claims use since January, 1904.

Ser. No. 246,514. (CLASS 2. RECEPTACLES.) THE F. C. TRAVER PAPER COMPANY, Chicago, Ill. Filed Mar. 28, 1927.

E.Z.CONE SERVER

The words "Cone Server" are hereby disclaimed apart from the mark shown.
Particular description of goods.—Ice-Cream-Cone Servers.
Claims use since on or about Nov. 10, 1926.

Ser. No. 246,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES F. WEST, doing business as C. F. West & Co., Los Angeles, Calif. Filed Mar. 28, 1927.



The word "Cake" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Cakes and Cake Mixture.
Claims use since Nov. 1, 1926.

Ser. No. 246,524. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN ENAMELED BRICK & TILE COMPANY, New York, N. Y. Filed Mar. 29, 1927.

AM-EN

Particular description of goods.—Brick and Tile.
Claims use since Feb. 3, 1927.

Ser. No. 246,527. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARCTURUS RADIO COMPANY, New York, N. Y. Filed Mar. 29, 1927.

ARCTURUS

Particular description of goods.—Radio Detecting, Rectifying, and Amplifying Tubes.
Claims use since Jan. 20, 1927.

Ser. No. 246,528. (CLASS 38. PRINTS AND PUBLICATIONS.) CARTER PUBLICATIONS, INC., Fort Worth, Tex. Filed Mar. 29, 1927.

Fort Worth Record-Telegram

"Fort Worth Record-Telegram."
Particular description of goods.—Daily Newspaper.
Claims use since Nov. 1, 1925.

Ser. No. 246,529. (CLASS 33. GLASSWARE.) THE COMMERCIAL LIGHTING CORPORATION, Beaver Falls, Pa. Filed Mar. 29, 1927.

"YURLITE"

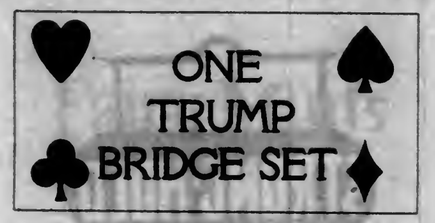
Particular description of goods.—Glass Electric-Light Globes.
Claims use since Mar. 18, 1927.

Ser. No. 246,541. (CLASS 33. GLASSWARE.) THE FEDERAL GLASS COMPANY, Columbus, Ohio. Filed Mar. 29, 1927.

TRUMP

Particular description of goods.—Glass Footed Goblets.
Claims use since Jan. 10, 1927.

Ser. No. 246,542. (CLASS 33. GLASSWARE.) THE FEDERAL GLASS COMPANY, Columbus, Ohio. Filed Mar. 29, 1927.



All wording on the drawing except the word "Trump" is disclaimed.
Particular description of goods.—Glass Footed Goblets.
Claims use since Jan. 10, 1927.

Ser. No. 246,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD HELLMANN, Long Island City, N. Y. Filed Mar. 29, 1927.

YOKO

Particular description of goods.—Egg Compound Consisting of Ninety Per Cent of Eggs and Ten Per Cent of Salt.
Claims use since May 1, 1926.

Ser. No. 246,559. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1927.

Detgol

Particular description of goods.—Dentifrices and Mouth Washes.
Claims use since July 1, 1926, to mouth washes, and Mar. 5, 1925, to dentifrices.

Ser. No. 246,569. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARDS, INC., Glenolden, Pa. Filed Mar. 29, 1927.

SEMS

Particular description of goods.—Laxative.
Claims use since Feb. 8, 1927.

Ser. No. 246,574. (CLASS 17. TOBACCO PRODUCTS.) MAX SIMPSON, doing business as The Health Cigar Company, New York, N. Y. Filed Mar. 29, 1927.

SANO

Particular description of goods.—Cigarettes, Cheroots, Little Cigars, and Smoking and Chewing Tobacco.
Claims use since August, 1926.

Ser. No. 246,584. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa. Filed Mar. 30, 1927.

ALCOA

Particular description of goods.—Ingots of Aluminum and Aluminum-Base Alloys.
Claims use since July 1, 1926.

Ser. No. 246,611. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) C. J. HOLGAARD COMPANY, Minneapolis, Minn. Filed Mar. 30, 1927.

GOPHER

Particular description of goods.—Tents and Tent Structures.
Claims use since on or about Mar. 1, 1925.

Ser. No. 246,616. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALBERT H. LUHRMAN, doing business as Consolidated Batteries Company, Cincinnati, Ohio. Filed Mar. 30, 1927.

Leadox

Particular description of goods.—Electric Batteries.
Claims use since Mar. 25, 1927.

Ser. No. 246,647. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS. AND PARTS THEREOF.) THOMAS MFG. COMPANY, Wilkes-Barre, Pa. Filed Mar. 30, 1927.

RADO

Particular description of goods.—Clamp Handles or Holders for Hand Tools and Sandpaper and Emery Cloth.
Claims use since Mar. 19, 1927.

Ser. No. 246,697. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STANLEY C. MCALPINE, doing business as R-Tite Tire Valve Cap Co., Detroit, Mich. Filed Mar. 31, 1927.

R-TITE

Particular description of goods.—Tire-Valve Caps.
Claims use since Mar. 21, 1927.

Ser. No. 246,700. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MONARCH MFG. WORKS, INC., Philadelphia, Pa. Filed Mar. 31, 1927.

HEATOLEIT

Particular description of goods.—Domestic or Semidomestic Automatic Oil-Burning Equipment Consisting of Oil Pumps, Strainers, Pressure Atomizing Nozzles, Blowers, Combustion Air Motors, Protectostats, and Relays for Automatic Control of Electric Power.
Claims use since Feb. 8, 1927.

Ser. No. 246,742. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Apr. 1, 1927.

MONODIC

Particular description of goods.—Radiotransformers, Radio Receiving Sets, Loud Speakers and Units, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since May 25, 1926.

Ser. No. 246,746. (CLASS 12. CONSTRUCTION MATERIALS.) GOODFELLOW LUMBER COMPANY, St. Louis, Mo. Filed Apr. 1, 1927.

STRONG-HOLD

Particular description of goods.—Plaster Board, Wall Board, and Roofing.
Claims use since July 1, 1925.

Ser. No. 246,791. (CLASS 39. CLOTHING.) A. V. VICTORIUS & COMPANY, New York, N. Y. Filed Apr. 1, 1927.

Valentine

Particular description of goods.—Hosiery.
Claims use since Dec. 1, 1926.

Ser. No. 246,807. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANDROSCOGGIN MILLS, Lewiston, Me. Filed Apr. 2, 1927.

ANDORA

Particular description of goods.—Textile Sheets and Pillowcases.
Claims use since Jan. 18, 1927.

Ser. No. 246,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE-PORTLAND FLOUR CO., doing business as Altenburg Roller Mills, Memphis, Tenn. Filed Apr. 2, 1927.

SNOW WHEAT

No claim is made herein to the word "Wheat" apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since Apr. 1, 1921.

Ser. No. 246,824. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAYDN L. FISCHER, doing business as Sugar Products Co., Not Inc., Kewanee and Chicago, Ill. Filed Apr. 2, 1927.

Fairy Mints

No claim is made to the exclusive use of the word "Mints" apart from the mark as shown.
Particular description of goods.—Laxatives.
Claims use since Jan. 1, 1927.

Ser. No. 246,831. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ROBERT GOODMAN, doing business as Goody Products Company, Philadelphia, Pa. Filed Apr. 2, 1927.

GOODY

Particular description of goods.—Malt Extract.
Claims use since July 1, 1924.

Ser. No. 246,848. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER AND CELLULOID PRODUCTS COMPANY, Newark, N. J. Filed Apr. 2, 1927.



The corporation disclaims the representation of the goods apart from the other feature of the mark.
Particular description of goods.—Shaving Brushes.
Claims use since Aug. 9, 1926.

Ser. No. 246,849. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER AND CELLULOID PRODUCTS COMPANY, Newark, N. J. Filed Apr. 2, 1927.



The corporation disclaims the representation of the goods apart from the other feature of the mark.
Particular description of goods.—Toothbrushes.
Claims use since Aug. 9, 1926.

Ser. No. 246,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARRENSBURG CANNING CO., Warrensburg, Ill. Filed Apr. 2, 1927.

RAMBLER

Particular description of goods.—Canned Corn.
Claims use since 1910.

Ser. No. 246,914. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD G. LENZNER, doing business as Oil Field Engineering Co., Los Angeles, Calif. Filed Apr. 4, 1927.

OIL FIELD ENGINEERING

"Oil Field Engineering."
Particular description of goods.—Periodical.
Claims use since May 15, 1926.

Ser. No. 246,947. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio. Filed Apr. 5, 1927.

ARROW BRAND

No claim is made to the word "Brand" except in connection with the mark as shown.
Particular description of goods.—Aluminum.
Claims use since Oct. 10, 1926.

Ser. No. 246,977. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

PENCO

Particular description of goods.—Brass Pins.
Claims use since Mar. 1, 1927.

Ser. No. 246,978. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

PENIMAID

Particular description of goods.—Brass Pins.
Claims use since Feb. 26, 1927.

Ser. No. 247,009. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) FREED-EISEMANN RADIO CORPORATION, New York, N. Y. Filed Apr. 6, 1927.

Laundrola

Particular description of goods.—Washing Machines.
Claims use since Mar. 3, 1927.

Ser. No. 247,028. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LAUNDRY SERVICE CORPORATION, Dallas, Tex. Filed Apr. 6, 1927.

LASCO

Particular description of goods.—Textile Padding, Sheeting, Textile Cover Cloth, Apron Duck, and Canton Flannel in the Piece.
Claims use since Aug. 20, 1924.

Ser. No. 247,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Apr. 7, 1927.

AEROFLOAT

Particular description of goods.—Flotation Reagents for Use in the Concentration of Minerals.
Claims use since Mar. 4, 1927.

Ser. No. 247,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Apr. 7, 1927.

PHOSPHOCRESYLIC

Particular description of goods.—Flotation Reagents for Use in the Concentration of Minerals.
Claims use since Nov. 22, 1926.

Ser. No. 247,066. (CLASS 38. PRINTS AND PUBLICATIONS.) CARLTON MILLS, INC., New York, N. Y. Filed Apr. 7, 1927.

The Carltonian

Particular description of goods.—Periodical Issued Bimonthly.
Claims use since Mar. 15, 1927.

Ser. No. 247,069. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 7, 1927.

ZUMA

Particular description of goods.—Nonalcoholic, Maltless Chocolate Beverage and Sirup for Making the Same.
Claims use since Apr. 1, 1927.

Ser. No. 247,075. (CLASS 39. CLOTHING.) THE JOHN M. GIVEN COMPANY, New York, N. Y., Chicago, Ill., and Pittsburgh, Pa. Filed Apr. 7, 1927.

ANONA

Particular description of goods.—Hosiery.
Claims use since Mar. 31, 1927.

Ser. No. 247,081. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Apr. 7, 1927.

CRAFTSHOP

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Jan. 26, 1927.

Ser. No. 247,082. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Apr. 7, 1927.

CRAFTWAY

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Jan. 26, 1927.

Ser. No. 247,083. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Apr. 7, 1927.

SUPERCRAFT

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Jan. 26, 1927.

Ser. No. 247,084. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Apr. 7, 1927.

TOWNCRAFT

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Mar. 1, 1927.

Ser. No. 247,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHENIX CHEESE CORPORATION, New York, N. Y. Filed Apr. 7, 1927.

ROYAL BRAND CHEESE

The words "Brand" and "Cheese" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Cheese Made from Cow's Milk.
Claims use since June 10, 1882.

Ser. No. 247,101. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROGER BROS., Durham, N. C. Filed Apr. 7, 1927.

ROGERTABS

Particular description of goods.—Tablets for the Treatment of Colds, Headache, and La Grippe.
Claims use since Jan. 1, 1927.

Ser. No. 247,129. (CLASS 39. CLOTHING.) LOUIS FEIT, doing business as State Dress Manufacturing Co., New York, N. Y. Filed Apr. 8, 1927.

STATE DRESS MANUFACTURING CO.

Particular description of goods.—Ladies' Dresses.
Claims use since February, 1925.

Ser. No. 247,142. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PETROLEUM HEAT AND POWER COMPANY, New York, N. Y. Filed Apr. 8, 1927.

PETRO

Particular description of goods.—Petroleum-Oil Burners.
Claims use since Dec. 24, 1925.

Ser. No. 247,157. (CLASS 37. PAPER AND STATIONERY.) ACME BLUE PRINT PAPER CO., Chicago, Ill. Filed Apr. 9, 1927.



"The Blue Prince"

Particular description of goods.—Tracing Paper and Tracing Cloth.
Claims use since Jan. 1, 1925.

Ser. No. 247,160. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Apr. 9, 1927.

MISS NIPPON

Particular description of goods.—Hosiery.
Claims use since Mar. 30. 1927.

Ser. No. 247,163. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) DOMINIQUE BORDAGARAY, doing business as Golden Lion Distributing Co., San Francisco, Calif. Filed Apr. 9, 1927.

GOLDEN LION

Particular description of goods.—Malted Beverages.
Claims use since Feb. 25, 1927.

Ser. No. 247,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRISON CHEMICAL CO., Front Royal, Va. Filed Apr. 9, 1927.

TETRO-ZEMA

Particular description of goods.—Salve for the Treatment of Tetter, Eczema, and Itch.
Claims use since Feb. 25, 1927.

Ser. No. 247,216. (CLASS 10. FERTILIZERS.) MORRIS SCHERAGO, doing business as Southern Agricultural Supply Company, Lexington, Ky. Filed Apr. 9, 1927.

NITRO-FIX

Particular description of goods.—Culture of Bacteria Used for Inoculating Seeds of Leguminous Plants.
Claims use since Feb. 10, 1927.

Ser. No. 247,224. (CLASS 39. CLOTHING.) STARR KNITTING MILLS, INC., Pleasantville, N. J. Filed Apr. 9, 1927.

PAGEANT GIRL

Particular description of goods.—Hosiery.
Claims use since Apr. 1, 1927.

Ser. No. 247,249. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS. PORTFOLIOS. AND POCKETBOOKS.) S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Women's Marketing and Shopping Bags, Children's Toy Bags, and Men's Wallets.
Claims use since on or about Mar. 15, 1922.

Ser. No. 247,253. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Umbrellas.
Claims use since on or about Jan. 5, 1927.

Ser. No. 247,268. (CLASS 37. PAPER AND STATIONERY.) JULIA V. FINLEY, New York, N. Y. Filed Apr. 11, 1927.

JEWEL

Particular description of goods.—Score Pads.
Claims use since Apr. 4, 1927.

Ser. No. 247,279. (CLASS 39. CLOTHING.) THE MIDDISHADE COMPANY, INC., Philadelphia, Pa. Filed Apr. 11, 1927.

MIDDISHADE
Middi-Tux

Particular description of goods.—Men's and Young Men's Suits.
Claims use since about Jan. 3, 1927.

Ser. No. 247,283. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE OSHKOSH BREWING COMPANY, doing business as Oshkosh Malt Products Co., Oshkosh, Wis. Filed Apr. 11, 1927.

HAPPY WAY

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Feb. 15, 1927.

Ser. No. 247,296. (CLASS 17. TOBACCO PRODUCTS.) JOHN H. SWISHER & SON, INCORPORATED, Newark, Ohio. Filed Apr. 11, 1927.

LA RESTA

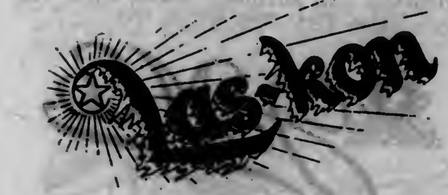
Particular description of goods.—Cigars.
Claims use since 1911.

Ser. No. 247,304. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAW MILL MACHINERY COMPANY, Hackettstown, N. J. Filed Apr. 12, 1927.

Monarch

Particular description of goods.—Woodworking Machines.
Claims use since Mar. 9, 1927.

Ser. No. 247,333. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAS-KON-ICE, INC., Reno, Nev. Filed Apr. 12, 1927.



Particular description of goods.—Frozen Products Similar to Ice Cream.
Claims use since Jan. 18, 1927.

Ser. No. 247,352. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMBERG, SCHWAB & CO., INC., New York, N. Y. Filed Apr. 18, 1927.

PUNTALINE

Particular description of goods.—Braids.
Claims use since Mar. 1, 1927.

Ser. No. 247,364. (CLASS 37. PAPER AND STATIONERY.) THE DURADEX COMPANY, New York, N. Y. Filed Apr, 13, 1927.

DURADEX

Particular description of goods.—Card Indexes, Guide Cards for Card Indexes, Cards, and Indexes.
Claims use since Mar. 31, 1925.

Ser. No. 247,407. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BEN-BURK, INC., Boston, Mass. Filed Apr. 14, 1927.

Brownie

"Brownie."
Particular description of goods.—Malt Sirup.
Claims use since Feb. 18, 1927.

Ser. No. 247,423. (CLASS 37. PAPER AND STATIONERY.) FILING EQUIPMENT BUREAU INCORPORATED, Boston, Mass. Filed Apr. 14, 1927.

BI-FOCAL

Particular description of goods.—Index Cards, Guides, Folders, and Sheets.
Claims use since Apr. 6, 1927.

Ser. No. 247,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. K. JACKSON, doing business as Madam L. Kemp Jackson, Ensley, Ala. Filed Apr. 14, 1927.

Q. G. TREATMENT

Exclusive right to the use of the word "Treatment" separate and apart from the mark shown in the drawing is hereby disclaimed.
Particular description of goods.—Pressing Oil and a Preparation for Treating Dandruff, Falling Hair, Itching Scalp, and Giving Life, Beauty, Color, and Abundant Growth to the Hair.
Claims use since May 1, 1923.

Ser. No. 247,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD F. KEMP, doing business as Radio Nut Company, Somerville, Mass. Filed Apr. 14, 1927.

RADIO

Particular description of goods.—Salted Peanuts.
Claims use since Apr. 7, 1927.

Ser. No. 247,473. (CLASS 39. CLOTHING.) C. F. HOVEY CO., Boston, Mass. Filed Apr. 15, 1927.

Hovena

Particular description of goods.—Men's and Boys' Collar Bands.
Claims use since Feb. 17, 1927.

Ser. No. 247,474. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) C. F. HOVEY CO., Boston, Mass. Filed Apr. 15, 1927.

Hovena

Particular description of goods.—Dress Shields.
Claims use since Feb. 17, 1927.

Ser. No. 247,475. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) C. F. HOVEY CO., Boston, Mass. Filed Apr. 15, 1927.

Hovena

Particular description of goods.—Sanitary Belts.
Claims use since Feb. 17, 1927.

Ser. No. 247,481. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) JORDAN MARSH COMPANY, Boston, Mass. Filed Apr. 15, 1927.

JeMCo

"Jemco."
Particular description of goods.—Ironing-Board Covers.
Claims use since Mar. 25, 1927.

Ser. No. 247,515. (CLASS 39. CLOTHING.) AVON SOLE COMPANY, Avon, Mass. Filed Apr. 16, 1927.

WAFFLE

Particular description of goods.—Soles for Boots and Shoes Made of Rubber and Fiber.
Claims use since December, 1926.

Ser. No. 247,526. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DRUGGISTS' SUPPLY CORPORATION, New York, N. Y. Filed Apr. 16, 1927.

SOPAX

Particular description of goods.—Sanitary Napkins.
Claims use since Mar. 28, 1927.

Ser. No. 247,535. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GATES RUBBER COMPANY, Denver, Colo. Filed Apr. 16, 1927.

NORMAN

Particular description of goods.—Rubber Inner Tubes and Tires.
Claims use since Mar. 5, 1927.

Ser. No. 247,543. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JORDAN MARSH COMPANY, Boston, Mass. Filed Apr. 16, 1927.

JeMCo

The crest is lined to indicate shading.
Particular description of goods.—Bias-Fold Tape.
Claims use since Apr. 12, 1927.

Ser. No. 247,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH'S BAKERY, INC., Mobile, Ala. Filed Apr. 16, 1927.

"BAMA"

Particular description of goods.—Bread.
Claims use since Feb. 1, 1927.

Ser. No. 247,587. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed Apr. 16, 1927.

SUAME CREPE

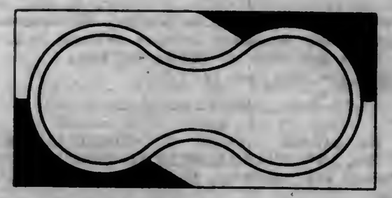
No rights are asserted to the exclusive use of the word "Crepe" apart from the mark shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 7, 1927.

Ser. No. 247,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT DUETSCHLER, New York, N. Y. Filed Apr. 18, 1927.

Paidol

Particular description of goods.—Ground Wheat.
Claims use since 1926.

Ser. No. 247,631. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAINPATCH, INCORPORATED, East Orange, N. J. Filed Apr. 18, 1927.



The drawing is lined to indicate the color red.
Particular description of goods.—Medicated Plasters to be Applied to Various Parts of the Body, Usually for the Relief of Aches and Pains.
Claims use since Aug. 12, 1925.

Ser. No. 247,648. (CLASS 32. FURNITURE AND UPHOLSTERY.) UNITED MFG. CO., INC., Portland, Oreg. Filed Apr. 18, 1927.



Particular description of goods.—Mattresses.
Claims use since Mar. 1, 1927.

Ser. No. 247,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif. Filed Apr. 18, 1927.

Turkey of the Sea

Particular description of goods.—Canned Fish and Smoked Fish.
Claims use since Mar. 1, 1927.

Ser. No. 247,651. (CLASS 37. PAPER AND STATIONERY.) L. E. WATERMAN COMPANY, New York, N. Y. Filed Apr. 18, 1927.

Beacon

Particular description of goods.—Fountain Pens and Pencils.
Claims use since Apr. 8, 1927.

Ser. No. 247,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Apr. 19, 1927.



Particular description of goods.—Chewing Gum.
Claims use since Mar. 31, 1927.

Ser. No. 247,662. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BEAVER PRODUCTS COMPANY OF VIRGINIA INC., North Holston, Va. Filed Apr. 19, 1927.

GYPOCIDE

Particular description of goods.—Insecticides.
Claims use since May 15, 1926.

Ser. No. 247,678. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUZ-IT COMPANY, Milford, Del. Filed Apr. 19, 1927.

DUZ-IT

Particular description of goods.—Medicine for Use in the Treatment of Piles.
Claims use since Apr. 12, 1927.

Ser. No. 247,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRA L. HILL, doing business as Hemoliver Liver Products Co., New York, N. Y. Filed Apr. 19, 1927.

HEMOLIVER

"Hemoliver."
Particular description of goods.—Tonic Elixir Containing Beef-Liver Extracts for Anæmia, General Weakness, Lowered Vitality, in Convalescence, and in Various Forms of Debility.
Claims use since Apr. 2, 1927.

Ser. No. 247,709. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. L. SACRA, doing business as Char-Bu Medicine Co., Harrison, Tex. Filed Apr. 19, 1927.



The obliquely-disposed stripes on the drawing are lined for red.

Particular description of goods.—Medicinal Preparation for Use as a Tonic and Aid for Stomach Troubles, Gas, Indigestion, Heartburn, Unpleasant Breath, Kidney, Bladder, and Liver Troubles, and Rheumatism.

Claims use since Feb. 15, 1927.

Ser. No. 247,718. (CLASS 37. PAPER AND STATIONERY.) UNIVERSAL CREPE & TISSUE MILLS, INC., New York, N. Y. Filed Apr. 19, 1927.



Exclusive use of the words "Original Japanese Tissue, 1000 sheets 4½x5" is not claimed apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since September, 1919.

Ser. No. 247,724. (CLASS 37. PAPER AND STATIONERY.) WORTENDYKE MFG. CO., Richmond, Va. Filed Apr. 19, 1927.

TIP TOP

Particular description of goods.—Gummed Paper Tape and Gummed Cloth Tape.

Claims use since Feb. 2[illegible], 1927.

Ser. No. 247,726. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEEBE BROS., Seattle, Wash. Filed Apr. 20, 1927.



The words "All," "Steel," "Hand," and "Hoist" are disclaimed apart from the mark as shown.

Particular description of goods.—Hand Hoists.

Claims use since Feb. 1, 1927.

Ser. No. 247,733. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FORT DODGE BOTTLING WORKS, Fort Dodge, Iowa. Filed Apr. 20, 1927.



Particular description of goods.—Pale Dry Ginger Ale, a Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.

Claims use since Dec. 18, 1926.

Ser. No. 247,766. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WENNER AND SHADWELL, Butte, Mont. Filed Apr. 20, 1927.



Particular description of goods.—Medicine for Piles.

Claims use since Jan. 1, 1926.

Ser. No. 247,769. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ANSONIA O & C COMPANY, Ansonia, Conn. Filed Apr. 21, 1927.

Ansonet

Particular description of goods.—Wide Elastic Webbing.

Claims use since on or about Apr. 14, 1927.

Ser. No. 247,785. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LOUIS DEUTSCH, doing business as Eagle Knitting Mill of New York, New York, N. Y. Filed Apr. 21, 1927.

CAMEO

Particular description of goods.—Sanitary Napkins.

Claims use since Apr. 6, 1927.

Ser. No. 247,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EPPENBACH, INC., Long Island City, N. Y. Filed Apr. 21, 1927.

MAGNAMINT

Particular description of goods.—Emulsion of Magnesia.

Claims use since Feb. 2, 1927.

Ser. No. 247,800. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE MAGNA-RAY CO., Los Angeles, Calif. Filed Apr. 21, 1927.

MAGNA-RAY

Particular description of goods.—Electromagnetic Health Belt.

Claims use since Aug. 1, 1926.

Ser. No. 247,809. (CLASS 37. PAPER AND STATIONERY.) NASHUA PACKAGE SEALING CO. INC., Nashua, N. H. Filed Apr. 21, 1927.

NATIONAL

Particular description of goods.—Devices for Moistening and/or Serving Adhesive or Gummed Tape, Labels, and the Like Strip Material, Particularly for Use on Counters, Desks, Etc., for Package Sealing and Labeling Purposes.

Claims use since on or about Jan. 15, 1915.

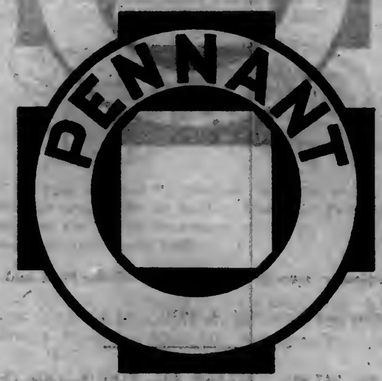
Ser. No. 247,831. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEIN, DOBLIN & CO., New York, N. Y. Filed Apr. 21, 1927.

HINLA

Particular description of goods.—Cotton Piece Goods.

Claims use since Dec. 11, 1926.

Ser. No. 247,844. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.



Particular description of goods.—Horse Feed and Mule Feed.

Claims use since Nov. 16, 1916.

Ser. No. 247,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.



Particular description of goods.—Dairy Feed.

Claims use since Sept. 18, 1916.

Ser. No. 247,847. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

POINTER

Particular description of goods.—Horse Feed and Mule Feed.
Claims use since Mar. 1, 1919.

Ser. No. 247,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

RED BELT

Particular description of goods.—Dairy Feed.
Claims use since Jan. 19, 1921.

Ser. No. 247,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

BRONCO

Particular description of goods.—Horse Feed and Mule Feed.
Claims use since Nov. 23, 1916.

Ser. No. 247,852. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

MONESAVR

Particular description of goods.—Dairy Feed.
Claims use since May 9, 1923.

Ser. No. 247,853. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

HUNTER

Particular description of goods.—Horse Feed and Mule Feed.
Claims use since Dec. 19, 1916.

Ser. No. 247,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

PINTO

Particular description of goods.—Horse Feed and Mule Feed.
Claims use since Jan. 3, 1917.

Ser. No. 247,859. (CLASS 32. FURNITURE AND UPHOLSTERY.) INDIAN SPLINT INC., Rochester, N. Y. Filed Apr. 22, 1927.

Rip Van Winkle

Particular description of goods.—Upholstered Chairs.
Claims use since about Mar. 1, 1927.

Ser. No. 247,868. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH LOUIS REED, doing business as Reerōbee Syrup and Bottling Factory, Waco, Tex. Filed Apr. 22, 1927.

REERŌBEE

PEPTO

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage, Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Mar. 17, 1925.

Ser. No. 247,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NELLIE B. SHRIMPLIN, doing business as The Goitrene Company, Chicago, Ill. Filed Apr. 22, 1927.

GOITRENE

The drawing is lined to indicate the color red.
Particular description of goods.—Medicinal Preparation Designed for Use in the Treatment of Goiter.
Claims use since about 1907.

Ser. No. 247,970. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROESTOCK PRODUCTS MFG. CO., Sarasota, Fla. Filed Apr. 25, 1927.

Skeet-it

Particular description of goods.—Insecticide.
Claims use since Apr. 16, 1927.

Ser. No. 247,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash. Filed Apr. 25, 1927.

BOBBIE



Particular description of goods.—Canned Fruits.
Claims use since Aug. 1, 1925.

Ser. No. 247,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash. Filed Apr. 25, 1927.



Particular description of goods.—Canned Fruits.
Claims use since Aug. 1, 1925.

Ser. No. 248,170. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANKLIN MILLS, Greers, S. C. Filed Apr. 29, 1927.



Particular description of goods.—Sheetings and Drillings.
Claims use since Oct. 15, 1904.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 31, 1927.

228,272. WALL CALENDARS AND PRINTED CALENDARS. THE BUZZA COMPANY, Minneapolis, Minn.
Filed February 19, 1926. Serial No. 227,507. PUBLISHED MARCH 22, 1927.

228,273. FRESH VEGETABLES. JILL BROTHERS, Weslaco, Tex.
Filed February 24, 1926. Serial No. 227,746. PUBLISHED MARCH 22, 1927.

228,274. TONIC FOR GENERAL DEBILITY. FLORIO & C. SOCIETÀ ANONIMA VINICOLA ITALIANA, Torino, Italy.
Filed March 4, 1926. Serial No. 228,100. PUBLISHED MARCH 22, 1927.

228,275. GLYCERIN, BLEACHING COMPOSITION, SIZING AND FINISHING MATERIALS FOR PAPER AND TEXTILE FABRICS, AND STARCH PREPARATIONS FOR SIZING AND SIMILAR PURPOSES. CHEMISCHE FABRIK STOCKHAUSEN & CIE., Krefeld, Germany.
Filed March 5, 1926. Serial No. 228,175. PUBLISHED MARCH 22, 1927.

228,276. CHEMICAL SOLUTIONS USED IN TRANSFERRING AND REPRODUCING DESIGNS AND DECORATIONS ON TEXTILES, WEARING APPAREL, LEATHER GOODS, FURNITURE, PARCHMENTS, WOOD SURFACES, AND THE LIKE—NAMELY, DRESS GOODS, SCARFS, HATS, HANDKERCHIEFS, STOCKINGS, SLIPPERS, POCKETBOOKS, DOILIES, PILLOWS, SCREENS, CURTAINS, DRAPERIES, TIES, FANS, GLOVES, PARASOLS, LAMP SHADES, PLACE CARDS, UNVARNISHED WOOD, AND INTERIOR WALLS. HELEN JOHNSTON HURT, New York, N. Y.
Filed September 15, 1926. Serial No. 237,269. PUBLISHED NOVEMBER 16, 1926.

228,277. WOMEN'S TEXTILE-FABRIC UNDERWEAR. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed September 17, 1926. Serial No. 237,387. PUBLISHED MARCH 15, 1927.

228,278. AUTOMOBILES, AUTOMOBILE CHASSIS, AND CONSTRUCTIVE PARTS THEREOF, AND CARROSSERIES. CLARKE D. PRASE, INC., New York, N. Y.
Filed September 21, 1926. Serial No. 237,511. PUBLISHED MARCH 22, 1927.

228,279. MONTHLY PUBLICATION. THE COMMERCIAL REPORTER, New York, N. Y.
Filed September 24, 1926. Serial No. 237,655. PUBLISHED MARCH 22, 1927.

228,280. OVERSTUFFED FURNITURE FOR HOUSEHOLD USE, BREAKFAST TABLES, MATTRESSES, AND BED SPRINGS. UNITED MANUFACTURING COMPANY, Portland, Oreg.
Filed March 24, 1926. Serial No. 229,135. PUBLISHED MARCH 22, 1927.

228,281. COFFEE. SATISFACTION COFFEE CO., Pittsburgh, Pa.
Filed April 7, 1926. Serial No. 229,827. PUBLISHED MAY 18, 1926.

228,282. A MALT BEVERAGE. PABST CORPORATION, Milwaukee, Wis.
Filed April 13, 1926. Serial No. 230,115. PUBLISHED SEPTEMBER 7, 1926.

228,283. MALT EXTRACTS, BEVERAGES, AND SIRUPS. OHIO MALT PRODUCTS COMPANY, Toledo, Ohio.
Filed April 19, 1926. Serial No. 230,406. PUBLISHED MARCH 22, 1927.

228,284. MEDICAL PREPARATIONS FOR THE TREATMENT OF DIGESTIVE AILMENTS. CHARLES SCHUMANN, Hunter, N. Y.
Filed April 24, 1926. Serial No. 230,686. PUBLISHED FEBRUARY 8, 1927.

228,285. ARTIFICIAL FLIES, GUT HOOKS, AND GUT LINES (EXCEPT FISHING HOOKS) MADE IN ENGLAND. S. ALLCOCK & COMPANY, LIMITED, Redditch, England.
Filed April 28, 1926. Serial No. 230,811. PUBLISHED MARCH 22, 1927.

228,286. CASTING FISHING LINES MADE OF SPANISH GUT. S. ALLCOCK & COMPANY, LIMITED, Redditch, England.
Filed April 28, 1926. Serial No. 230,812. PUBLISHED MARCH 22, 1927.

228,287. GUT CASTING FISHING LINES MADE IN ENGLAND. S. ALLCOCK & COMPANY, LIMITED, Redditch, England.
Filed April 28, 1926. Serial No. 230,813. PUBLISHED MARCH 22, 1927.

228,288. TREATED DUST CLOTH USED ON AUTOS, FURNITURE, OR PAINTED AND ENAMELED SURFACES. SOUTHWESTERN PRODUCTS COMPANY, Paris, Tenn.
Filed May 5, 1926. Serial No. 231,169. PUBLISHED MARCH 22, 1927.

228,289. CARBURETORS. VELETTA L. CARPENTER, Los Angeles, Calif.
Filed May 10, 1926. Serial No. 231,365. PUBLISHED JULY 20, 1926.

228,290. MOTOR BOATS. VICTOR ADDING MACHINE COMPANY, Chicago, Ill.
Filed May 10, 1926. Serial No. 231,420. PUBLISHED MARCH 22, 1927.

228,291. GLASSWARE. GRAHAM & ZENGER, INC., New York, N. Y.
Filed May 21, 1926. Serial No. 231,999. PUBLISHED MARCH 22, 1927.

228,292. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed May 27, 1926. Serial No. 232,308. PUBLISHED MARCH 22, 1927.

228,293. COTTON SHEETINGS. COLUMBUS MANUFACTURING COMPANY, Columbus, Ga.
Filed June 12, 1926. Serial No. 233,111. PUBLISHED MARCH 22, 1927.

228,294. COTTON SHEETINGS. COLUMBUS MANUFACTURING COMPANY, Columbus, Ga.
Filed June 12, 1926. Serial No. 233,112. PUBLISHED MARCH 22, 1927.

228,295. CANDY. JOHN G. WOODWARD & CO. (INC.), Council Bluffs, Iowa.
Filed July 2, 1926. Serial No. 234,068. PUBLISHED MARCH 22, 1027.

228,296. HOUSEHOLD TABLES. FINCH AND HISEY, Wayne, Mich.
Filed July 6, 1926. Serial No. 234,204. PUBLISHED MARCH 22, 1927.

228,297. STEEL WIRE KNOWN AS MUSIC WIRE, NEEDLE WIRE, ROPE WIRE, AND ROUND STEEL WIRE. W. D. HOUGHTON & COMPANY LIMITED, Warrington, England.
Filed August 7, 1926. Serial No. 235,697. PUBLISHED MARCH 22, 1927.

228,298. DRY, PASTE, OR READY-MIXED PAINTS. COLORS IN OIL, VARNISHES, AND PREPARED SHELLACS. MAX ABELMAN, doing business as M. Abelman Co., Boston, Mass.
Filed August 10, 1926. Serial No. 235,769. PUBLISHED MARCH 22, 1927.

228,299. GARBAGE RECEIVERS, ASH CANS, CAKE AND BREAD BOXES, KNIFE AND FORK BOXES, TEA AND COFFEE CANISTERS, FILING BOXES, SAFE-DEPOSIT BOXES, MEDICINE CHESTS, AND WORKBOXES. THE CASEY-FOSTER CO., Boston, Mass.
Filed August 16, 1926. Serial No. 235,999. PUBLISHED MARCH 22, 1927.

228,300. PREPARATION FOR THE TREATMENT OF COLDS AND COUGHS. NORMAN M. SMITH, doing business as Rumex Remedy Company, Minneapolis, Minn.
Filed December 15, 1926. Serial No. 241,548. PUBLISHED MARCH 22, 1927.

228,301. PASTE-FORM AND READY-MIXED PAINTS AND VARNISHES. BALTIMORE PAINT AND COLOR WORKS, Baltimore, Md.
Filed December 16, 1926. Serial No. 241,556. PUBLISHED MARCH 22, 1927.

228,302. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ESCONDIDO CITRUS UNION, Escondido, Calif.
Filed November 17, 1926. Serial No. 240,175. PUBLISHED MARCH 15, 1927.

228,303. SALT. INTERNATIONAL SALT COMPANY, INC., New York, N. Y.
Filed November 22, 1926. Serial No. 240,416. PUBLISHED MARCH 1, 1927.

228,304. HEATING-SYSTEM DEVICES IN THE NATURE OF RADIATOR INCLOSURES AND CABINETS SERVING TO DEFLECT, REFLECT, CONTROL, AND DISTRIBUTE HEAT. TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y.
Filed November 22, 1926. Serial No. 240,456. PUBLISHED MARCH 22, 1927.

228,305. HEATING-SYSTEM DEVICES IN THE NATURE OF RADIATOR INCLOSURES AND CABINETS SERVING TO DEFLECT, REFLECT, CONTROL, AND DISTRIBUTE HEAT. TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y.
Filed November 22, 1926. Serial No. 240,458. PUBLISHED MARCH 22, 1927.

228,306. A LAXATIVE, DIURETIC, AND ELIMINANT. MANUEL S. VALLDEJULI, Buffalo, N. Y.
Filed November 22, 1926. Serial No. 240,462. PUBLISHED MARCH 22, 1927.

228,307. LARDS, CREAMERY BUTTER, FRESH AND SMOKED HAMS, FRESH AND SMOKED BACON, FRESH AND SMOKED SHOULDERS, FRESH AND SMOKED SAUSAGE, PORK ROLL, DRIED BEEF, CHEESE, AND LARD COMPOUND, MADE FROM COTTONSEED AND OTHER OILS. THE WM. SCHLUDERBERG-T. J. KURDLE CO., Baltimore, Md.
Filed June 29, 1922. Serial No. 166,270. PUBLISHED MARCH 15, 1927.

228,308. REMEDIES AGAINST FEVER, RHEUMATISM, AND NEURALGIA. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed January 4, 1923. Serial No. 174,177. PUBLISHED JANUARY 22, 1924.

228,309. ARTIFICIAL-SILK, SILK, AND COTTON PIECE GOODS AND COMBINATIONS THEREOF AND KNITTED ARTIFICIAL-SILK, SILK, COTTON, AND WOOLEN PIECE GOODS AND COMBINATIONS THEREOF, NOT INCLUDING CORDUROYS, VELVETEENS, AND WARP SATEENS. CHOPAK TEXTILE CO., INC., New York, N. Y.
Filed January 29, 1923. Serial No. 175,236. PUBLISHED MARCH 15, 1927.

228,310. CORSETS. MILLS CORSET COMPANY, Worcester, Mass.
Filed June 30, 1924. Serial No. 199,380. PUBLISHED FEBRUARY 1, 1927.

228,311. AUTOMOBILE POLISHES—NAMELY, WAX POLISH FOR AUTOMOBILES, AND POLISHES FOR AUTOMOBILE BODIES. HENRY C. THOMPSON, Springfield, Mass., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts.
Filed November 13, 1924. Serial No. 205,242. PUBLISHED JUNE 16, 1925.

228,312. CHINA CLOSETS, BUFFETS, SERVING TABLES, BEDS, DRESSERS, ETC. MICHAEL GOLDBERG, doing business as Afactor With You Furniture Co., Philadelphia, Pa.
Filed December 12, 1924. Serial No. 206,616. PUBLISHED MARCH 22, 1927.

228,313. INFANTS' KNITTED WEAR—NAMELY, BOOTIES, CAPS, SWEATERS, SACKS; KNITTED SETS CONSISTING OF CAP, SACK, AND BOOTIE; KNITTED SUITS CONSISTING OF SWEATER, CAP, LEGGINGS, AND GLOVES; AND BABIES' CARRIAGE ROBES. WOLF & SONS KNITTING COMPANY, Jersey City, N. J.
Filed December 22, 1924. Serial No. 207,112. PUBLISHED MARCH 24, 1925.

228,314. COATS, VESTS, PANTS, OVERCOATS, RAINCOATS, DUSTERS, MACKINAWS, ULSTERS, SMOKING JACKETS, AUTOMOBILE COATS, BATH WRAPS, AND WOMEN'S AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, BATH WRAPS, AND MACKINAWS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed August 6, 1925. Serial No. 218,471. PUBLISHED SEPTEMBER 29, 1925.

228,315. MEN'S WEARING APPAREL—NAMELY, NEGLIGEE, DRESS, AND WORK SHIRTS OF BOTH KNITTED AND TEXTILE FABRICS; UNDERCLOTHING—NAMELY, MEN'S AND BOYS' UNDERSHIRTS, DRAWERS, AND COMBINATIONS OF BOTH KNITTED AND TEXTILE FABRICS; SUITS, PYJAMAS, MUFFLERS, SWEATERS, HOSIERY, GARTERS, COLLARS, HATS, CAPS, BELTS, SUSPENDERS, AND BATH ROBES. UNITED SHIRT SHOPS INCORPORATED, New York, N. Y.
Filed August 18, 1925. Serial No. 219,048. PUBLISHED JANUARY 18, 1927.

228,316. WINCHES AND PARTS THEREOF ADAPTED TO BE USED IN CONNECTION WITH MOTOR-DRIVEN VEHICLES FOR TAKING POWER THEREFROM. THE BRADEN COMPANY, Tulsa, Okla.
Filed September 30, 1925. Serial No. 220,991. PUBLISHED MARCH 22, 1927.

228,317. COFFEE, SPICES, FOOD-FLAVORING EXTRACTS, SALAD DRESSING, FOOD SIRUP, VINEGAR, PEANUT BUTTER, PREPARED MUSTARD, MAYONNAISE AND SANDWICH SPREAD, COMPOSED OF A MIXTURE OF SEASONED VEGETABLES. LINCOLN COFFEE & SPICE MILLS, doing business as Cornhusker Food Products Co., Lincoln, Nebr.
Filed October 31, 1925. Serial No. 222,619. PUBLISHED FEBRUARY 1, 1927.

228,318. GASOLINE, KEROSENE, LUBRICATING GREASES, LUBRICATING OILS, AND REFINED PETROLEUM PRODUCTS CONSISTING OF OIL FOR ILLUMINATING, HEATING, AND POWER PURPOSES. INDEPENDENT OIL AND GAS COMPANY, Tulsa, Okla.
Filed December 14, 1925. Serial No. 224,661. PUBLISHED SEPTEMBER 21, 1926.

228,319. FILTERS FOR FILTERING FUEL FOR USE IN INTERNAL-COMBUSTION ENGINES AND USUALLY LOCATED BETWEEN THE FUEL-SUPPLY TANK AND THE CARBURETOR. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill.
Filed December 31, 1925. Serial No. 225,341. PUBLISHED MARCH 22, 1927.

228,320. BUTTER AND EGGS. HICKMAN & COWARD, Buffalo, N. Y.
Filed December 31, 1925. Serial No. 225,360. PUBLISHED MARCH 15, 1927.

228,321. CANNED FISH. PYRAMID PACKING COMPANY, Sitka, Territory of Alaska.
Filed February 4, 1926. Serial No. 226,867. PUBLISHED APRIL 6, 1926.

228,322. CANDY. CHARLES A. CARICARI, doing business as The Phoenix Candy Company, New York, N. Y.
Filed February 9, 1926. Serial No. 227,057. PUBLISHED MARCH 22, 1927.

228,323. FINANCIAL PUBLICATION ISSUED MONTHLY. J. HENRY SCHRODER BANKING CORPORATION, New York, N. Y.
Filed December 17, 1926. Serial No. 241,636. PUBLISHED MARCH 22, 1927.

228,324. FINANCIAL PUBLICATION ISSUED MONTHLY. J. HENRY SCHRODER BANKING CORPORATION, New York, N. Y.
Filed December 17, 1926. Serial No. 241,639. PUBLISHED MARCH 22, 1927.

228,325. BAY RUM. CRUSELLAS RHUM QUINQUINA CO., INC., New York, N. Y.
Filed December 20, 1926. Serial No. 241,697. PUBLISHED MARCH 22, 1927.

228,326. VARNISH, JAPAN, FILLER, AND PREPARED SHELLAC. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky.
Filed December 20, 1926. Serial No. 241,731. PUBLISHED MARCH 15, 1927.

228,327. FRESH GRAPES, FRESH PLUMS, AND FRESH PEACHES. CHARLES D. PRUNER, Exeter, Calif.
Filed December 20, 1926. Serial No. 241,744. PUBLISHED MARCH 22, 1927.

228,328. PANCAKE FLOUR, GRAHAM FLOUR, CAKE FLOUR, BUCKWHEAT FLOUR, CORN MEAL, AND BUCKWHEAT COMPOUND. J. F. EESLEY MILLING COMPANY, Plainwell, Mich.
Filed November 26, 1926. Serial No. 240,599. PUBLISHED JANUARY 4, 1927.

228,329. ANTIMONIAL LEAD, PIG LEAD, SPELTER, SOLDER, BABBITT, AND TRAP LEAD. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 8, 1926. Serial No. 241,142. PUBLISHED MARCH 22, 1927.

228,330. RUBBER CEMENT. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed January 21, 1927. Serial No. 243,147. PUBLISHED MARCH 15, 1927.

228,331. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed January 21, 1927. Serial No. 243,160. PUBLISHED MARCH 22, 1927.

228,332. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. X-ZALIA CORPORATION, Boston, Mass.
Filed January 22, 1927. Serial No. 243,247. PUBLISHED MARCH 22, 1927.

228,333. SOLDERING FLUX. GARDEN CITY LABORATORY, Chicago, Ill.
Filed January 24, 1927. Serial No. 243,264. PUBLISHED MARCH 22, 1927.

228,334. DOORCHECKS. FRED S. HENSCHEL, doing business as Henschel & Company, Chicago, Ill.
Filed January 24, 1927. Serial No. 243,269. PUBLISHED MARCH 22, 1927.

228,335. DENTURE MATERIAL. M. F. PATTERSON DENTAL SUPPLY COMPANY, St. Paul, Minn.
Filed January 24, 1927. Serial No. 243,284. PUBLISHED MARCH 22, 1927.

228,336. TELEPHONE SPELLING CHARTS. THOMAS SERPICO, Brooklyn, N. Y.
Filed January 25, 1927. Serial No. 243,325. PUBLISHED MARCH 22, 1927.

228,337. WALL COVERINGS OF COATED PAPER IN SHEET FORM. WM. CAMBELL WALL PAPER COMPANY, Hackensack, N. J.
Filed January 26, 1927. Serial No. 243,346. PUBLISHED MARCH 22, 1927.

228,338. SANITARY NAPKINS. THE HOSPITAL SPECIALTY CO., Cleveland, Ohio.
Filed January 26, 1927. Serial No. 243,364. PUBLISHED MARCH 22, 1927.

228,339. SANITARY NAPKINS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 26, 1927. Serial No. 243,390. PUBLISHED MARCH 22, 1927.

228,340. FERTILIZERS. FERTILIZER SALES LTD., London, England.
Filed January 27, 1927. Serial No. 243,433. PUBLISHED MARCH 22, 1927.

228,341. CITROUS FRUITS IN THEIR NATURAL STATE. LIPOW BROS. FRUIT CO., Phoenix, Ariz.
Filed January 27, 1927. Serial No. 243,442. PUBLISHED MARCH 22, 1927.

228,342. CREAM ROUGE. HOWARD L. ROSS, New York, N. Y.
Filed January 27, 1927. Serial No. 243,457. PUBLISHED MARCH 22, 1927.

228,343. COTTON PIECE GOODS. TURNER HALSEY CO., New York, N. Y.
Filed January 27, 1927. Serial No. 243,463. PUBLISHED MARCH 22, 1927.

228,344. MEDICINAL PREPARATION FOR INTERNAL USE ACTING AS AN ANALGESIC TO RELIEVE PAIN. EPICOL PRODUCTS COMPANY, Minneapolis, Minn.
Filed January 28, 1927. Serial No. 243,482. PUBLISHED MARCH 22, 1927.

228,345. FIBER-BOARD AND CORRUGATED-BOARD BOXES OR SHIPPING CONTAINERS. CONTAINER CORPORATION OF AMERICA, Chicago, Ill.
Filed October 8, 1926. Serial No. 238,305. PUBLISHED MARCH 22, 1927.

228,346. RASPBERRY SIRUP, GRAPE JUICE, ORANGE JUICE, AND SWEET CIDER. SEEMAN BROTHERS INC., New York, N. Y.
Filed October 15, 1926. Serial No. 238,676. PUBLISHED JANUARY 25, 1927.

228,347. LEATHER-CONDITIONING CABINETS. BENTZ ENGINEERING CORPORATION, Newark, N. J.
Filed October 18, 1926. Serial No. 238,766. PUBLISHED MARCH 22, 1927.

228,348. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. GENERAL CITRUS CORPORATION, Los Angeles, Calif.
Filed October 23, 1926. Serial No. 239,100. PUBLISHED MARCH 22, 1927.

228,349. CANDY. JUNIOR CANDY COMPANY, Milwaukee, Wis.
Filed October 23, 1926. Serial No. 239,115. PUBLISHED MARCH 22, 1927.

228,350. PAPER AND STATIONERY—NAMELY, PAPER TOWELS AND TOILET PAPER. CONSTRUCTION SUPPLIES COMPANY OF AMERICA, New York, N. Y.
Filed October 26, 1926. Serial No. 239,237. PUBLISHED MARCH 22, 1927.

228,351. BELTING—NAMELY, A COMPOSITION TEXTILE AND RUBBER BELTING. TON-TEX CORPORATION, Grand Rapids, Mich.
Filed October 29, 1926. Serial No. 239,438. PUBLISHED MARCH 22, 1927.

228,352. CIGARS. LETTERIO RIGANO, doing business as Italian Cigar Company, Boston, Mass.
Filed November 8, 1926. Serial No. 239,824. PUBLISHED FEBRUARY 8, 1927.

228,353. TUMBLERS, GLASSES, GLASS BOTTLES, GLASS JARS, FANCY GLASS VASE JARS, AND GLASS DISHES. CAPSTAN GLASS COMPANY, Connellsville, Pa.
Filed November 11, 1926. Serial No. 239,918. PUBLISHED MARCH 22, 1927.

228,354. HAIR PREPARATION AND TONIC TO NOURISH THE SCALP, RELIEVE DANDRUFF, ITCHING SCALP, AND ECZEMA, AND ALSO A HAIRDRESSING TO GIVE THE HAIR A HIGH LUSTER. THE GLADIATOR CO., INC., New York, N. Y.
Filed November 12, 1926. Serial No. 239,980. PUBLISHED MARCH 22, 1927.

228,355. OIL-BURNING APPARATUS. REIF BROTHERS, Buffalo, N. Y., assignor to Reif-Rexoil Inc., Buffalo, N. Y.
Filed November 12, 1926. Serial No. 240,004. PUBLISHED MARCH 22, 1927.

228,356. MONTHLY PUBLICATION. VICTOR ROBINSON, doing business as The Medical Life Press, New York, N. Y.
Filed January 21, 1927. Serial No. 243,171. PUBLISHED MARCH 22, 1927.

228,357. TRANSMISSION AND BRAKE LINING. THE SCANDINAVIA BELTING COMPANY, Newark, N. J.
Filed January 21, 1927. Serial No. 243,173. PUBLISHED MARCH 22, 1927.

228,358. WRITING PAPER AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed January 21, 1927. Serial No. 243,179. PUBLISHED MARCH 22, 1927.

228,359. MAGAZINES AND BOOKS PUBLISHED BY SAID CORPORATION, AND MAGAZINES, FOLDERS, CATALOGUES, AND PAMPHLETS PRINTED FOR OTHERS. GEORGE BANTA PUBLISHING COMPANY, Menasha, Wis.
Filed January 22, 1927. Serial No. 243,190. PUBLISHED MARCH 22, 1927.

228,360. WHEAT FLOUR. THE KANSAS MILLING COMPANY, Wichita, Kans.
Filed January 22, 1927. Serial No. 243,217. PUBLISHED MARCH 15, 1927.

228,361. WHITE LEAD, BLUE LEAD, RED LEAD, SUBLIMED WHITE LEAD, SUPERSUBLIMED WHITE LEAD, SUBLIMED BLUE LEAD, SUBLIMED RED LEAD, LITHARGE, SUBLIMED LITHARGE, ORANGE MINERAL, LITHOPONE, AND ZINC OXIDE. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 8, 1926. Serial No. 241,144. PUBLISHED MARCH 22, 1927.

228,362. COMPOSITION FOR SIZING, STIFFENING, AND FINISHING THREAD, YARNS, AND OTHER TEXTILE MATERIALS, INCLUDING ARTIFICIAL SILKS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 9, 1926. Serial No. 241,206. PUBLISHED MARCH 22, 1927.

228,363. WHITE LEAD, RED LEAD, BLUE LEAD, SUBLIMED WHITE LEAD, SUPERSUBLIMED WHITE LEAD, SUBLIMED BLUE LEAD, SUBLIMED RED LEAD, LITHARGE, SUBLIMED LITHARGE, ORANGE MINERAL, LITHOPONE, AND ZINC OXIDE. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 8, 1926. Serial No. 241,145. PUBLISHED MARCH 22, 1927.

228,364. WHITE LEAD, RED LEAD, BLUE LEAD, SUBLIMED WHITE LEAD, SUPERSUBLIMED WHITE LEAD, SUBLIMED BLUE LEAD, SUBLIMED RED LEAD, LITHARGE, SUBLIMED LITHARGE, ORANGE MINERAL, LITHOPONE, ZINC OXIDE. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 8, 1926. Serial No. 241,146. PUBLISHED MARCH 22, 1927.

228,365. LIQUID POLISH FOR CLEANING AND POLISHING WOODWORK, FLOORS, LINOLEUM, AUTOMOBILES, OR OTHER FINISHED SURFACES. GUSTAV A. RUMPF, doing business as Du-Z Mfg. Co., Jenkintown, Pa.
Filed December 8, 1926. Serial No. 241,185. PUBLISHED MARCH 15, 1927.

228,366. NOM DE PLUME FOR MAGAZINE ARTICLES IN A WEEKLY PUBLICATION. F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 9, 1926. Serial No. 241,212. PUBLISHED MARCH 22, 1927.

228,367. WHEAT FLOUR. HOPKINSVILLE MILLING CO., Hopkinsville, Ky.
Filed December 10, 1926. Serial No. 241,282. PUBLISHED MARCH 15, 1927.

228,368. CREPE PAPER FOR DECORATIVE PURPOSES. THE TISSUE COMPANY, Saugerties, N. Y.
Filed December 11, 1926. Serial No. 241,361. PUBLISHED MARCH 22, 1927.

228,369. CANNED FISH. L. AVANZINO & BRO. INC., Boston, Mass.
Filed December 14, 1926. Serial No. 241,466. PUBLISHED MARCH 22, 1927.

228,370. MEDICINE FOR RHEUMATISM. RAFFAELE INSANA, doing business as R. Insana Co., Long Island City, N. Y.
Filed December 14, 1926. Serial No. 241,484. PUBLISHED MARCH 22, 1927.

228,371. SEMIANNUAL PUBLICATION ENTITLED "RAND MCNALLY BANKERS DIRECTORY." RAND MCNALLY AND COMPANY, Chicago, Ill.
Filed January 7, 1927. Serial No. 242,502. PUBLISHED MARCH 22, 1927.

228,372. HOT-WATER GENERATORS, WARM-AIR CIRCULATORS, HUMIDIFIER AND TAP FOR WARM-AIR CIRCULATORS, AND REGISTERS FOR WARM-AIR HEATING, NONELECTRICAL. THE MAKIN HEATING COMPANY, Philadelphia, Pa.
Filed January 8, 1927. Serial No. 242,543. PUBLISHED MARCH 22, 1927.

228,373. CHEMICAL FOR CLEANING DRAINS AND SINKS. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 8, 1927. Serial No. 242,547. PUBLISHED MARCH 22, 1927.

228,374. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND AUTO ENAMELS. MIDWEST VARNISH COMPANY, Chicago, Ill.
Filed January 10, 1927. Serial No. 242,602. PUBLISHED MARCH 22, 1927.

228,375. FLOOR-WAXING PRODUCT. VESTAL CHEMICAL CO., St. Louis, Mo.
Filed January 10, 1927. Serial No. 242,636. PUBLISHED MARCH 15, 1927.

228,376. GENERAL HOUSEHOLD CLEANING PREPARATION FOR FABRICS, UTENSILS, AND THE SKIN. FREDERICK LLOYD CONVERSE, doing business as the Tri-Po Products Co., Woodlynne, N. J.
Filed January 11, 1927. Serial No. 242,658. PUBLISHED MARCH 22, 1927.

228,377. PAPER FOR WRITING AND PRINTING PURPOSES AND MAILING ENVELOPES. RAYNOR & PERKINS ENVELOPE COMPANY, New York, N. Y.
Filed January 12, 1927. Serial No. 242,748. PUBLISHED MARCH 22, 1927.

228,378. PAPER FOR WRITING AND PRINTING PURPOSES AND MAILING ENVELOPES. RAYNOR & PERKINS ENVELOPE COMPANY, New York, N. Y.
Filed January 12, 1927. Serial No. 242,749. PUBLISHED MARCH 22, 1927.

228,379. PAPER FOR WRITING AND PRINTING PURPOSES AND MAILING ENVELOPES. RAYNOR & PERKINS ENVELOPE COMPANY, New York, N. Y.
Filed January 12, 1927. Serial No. 242,750. PUBLISHED MARCH 22, 1927.

228,380. VARNISHLIKE FINISH FOR WOOD AND OTHER SURFACES. DAVIES PRODUCTS, INCORPORATED, St. Paul, Minn.
Filed January 13, 1927. Serial No. 242,780. PUBLISHED MARCH 15, 1927.

228,381. VARNISHLIKE FINISH FOR WOOD AND OTHER SURFACES. DAVIES PRODUCTS, INCORPORATED, St. Paul, Minn.
Filed January 13, 1927. Serial No. 242,781. PUBLISHED MARCH 15, 1927.

228,382. TOYS—NAMELY, PULL TRUCKS, AND PARTICULARLY, DELIVERY TRUCKS, DUMP TRUCKS, AND MOVING VANS, WAGONS, AND WHEELBARROWS. THE DAYTON TOY & SPECIALTY COMPANY, Dayton, Ohio.
Filed January 14, 1927. Serial No. 242,822. PUBLISHED MARCH 22, 1927.

228,383. BOLTS AND NUTS, SELF-LOCKING BOLTS AND NUTS, AND METAL SCREWS. SOCIETE FRANCAISE DE FILETAGE INDESSERRABLE, D. D. G., Paris, France.
Filed January 14, 1927. Serial No. 242,861. PUBLISHED MARCH 22, 1927.

228,384. ALCOHOL PREPARATION FOR EXTERNAL USE. PUBLICKER INC., Philadelphia, Pa.
Filed January 18, 1927. Serial No. 243,015. PUBLISHED MARCH 22, 1927.

228,385. SKIN LOTION. CARLIN P. MOTT, doing business as Mott Chemical Products, Detroit, Mich.
Filed January 20, 1927. Serial No. 243,104. PUBLISHED MARCH 22, 1927.

228,386. WHEAT FLOUR. THE REA-PATTERSON MILLING COMPANY, Coffeyville, Kans.
Filed January 20, 1927. Serial No. 243,113. PUBLISHED MARCH 15, 1927.

228,387. TOOLS FOR RECONDITIONING THREADS OF BOLTS, AXLES, HUBS, ETC. REIFF & NESTOR COMPANY, Lykens, Pa.
Filed January 20, 1927. Serial No. 243,115. PUBLISHED MARCH 22, 1927.

228,388. DEODORANT FOR USE IN THE TREATMENT OF EXCESSIVE PERSPIRATION. A. MIRENTA & CO. INCORPORATED, Tacoma, Wash.
Filed January 20, 1927. Serial No. 243,126. PUBLISHED MARCH 22, 1927.

228,389. AUTOMOBILE TIRES AND TUBES THEREFOR. CONVERSE TIRE AND RUBBER COMPANY, Malden, Mass.
Filed January 21, 1927. Serial No. 243,140. PUBLISHED MARCH 22, 1927.

228,390. AUTOMOBILE TIRES AND TUBES THEREFOR. CONVERSE TIRE AND RUBBER COMPANY, Malden, Mass.
Filed January 21, 1927. Serial No. 243,141. PUBLISHED MARCH 22, 1927.

228,391. MEDICINE FOR THE RELIEF OF BODILY PAIN, HEADACHE, EARACHE, TOOTHACHE, COLDS, LA GRIPPE, RHEUMATISM, NEURALGIA, NEURITIS, AND FOR FEVER. JOSEPH A. HORIGAN, doing business as Horigan Manufacturing Company, Kansas City, Mo.
Filed January 21, 1927. Serial No. 243,157. PUBLISHED MARCH 22, 1927.

228,392. AIRCRAFT ENGINES. A. D. C. AIRCRAFT LIMITED, London, England.
Filed December 28, 1926. Serial No. 241,849. PUBLISHED MARCH 22, 1927.

228,393. CEREAL BREAKFAST FOODS. EZRA FOWLER, doing business as Fowler & Company, Dallas, Tex.
Filed December 23, 1926. Serial No. 241,882. PUBLISHED MARCH 15, 1927.

228,394. MACHINERY CASTINGS AND FORGINGS. DÜRKOPPWERKE AKTIENGESELLSCHAFT, Bielefeld, Germany.
Filed December 24, 1926. Serial No. 241,938. PUBLISHED MARCH 22, 1927.

228,395. ROAD VEHICLES, BOATS, SHIPS, MOTOR CARS, BICYCLES, MOTOR BICYCLES, WHEEL AXLES, VEHICLE DOORS, VEHICLE FRAMINGS, WHEEL HUBS, BICYCLE PEDALS, WHEELS, BRAKES, AEROPLANES, AND AIRSHIPS. DÜRKOPPWERKE AKTIEN-GESELLSCHAFT, Bielefeld, Germany.
Filed December 24, 1926. Serial No. 241,939. PUBLISHED MARCH 22, 1927.

228,396. COLD SOLDER. K-K SOLDER COMPANY, Seattle, Wash.
Filed December 27, 1926. Serial No. 242,006. PUBLISHED MARCH 15, 1927.

228,397. BREATH PELLETS. HERMAN HELLER, doing business as Re-Du-Sol Co., Los Angeles, Calif.
Filed December 29, 1926. Serial No. 242,128. PUBLISHED MARCH 22, 1927.

228,398. MEDICINE FOR COLDS, COUGHS, INFLUENZA, AND LA GRIPPE. WILL H. TARVER, doing business as Senco Mfg. Company, Little Rock, Ark.
Filed December 29, 1926. Serial No. 242,156. PUBLISHED MARCH 22, 1927.

228,399. PLUMBING AND STEAM-FITTING SUPPLIES. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,184. PUBLISHED MARCH 22, 1927.

228,400. BLOW-GUN TARGET GAMES. JAMES ARTHUR REDNER, doing business as Zulu Blow Gun Company, Battle Creek, Mich.
Filed December 30, 1926. Serial No. 242,211. PUBLISHED MARCH 22, 1927.

228,401. CEREAL BREAKFAST FOOD. HOLLAND FLOUR MILLS COMPANY, Kansas City, Mo.
Filed December 31, 1926. Serial No. 242,232. PUBLISHED MARCH 15, 1927.

228,402. WASHING MACHINES. THE AMERICAN LAUNDRY MACHINERY CO., Norwood Station, Cincinnati, Ohio.
Filed January 3, 1927. Serial No. 242,270. PUBLISHED MARCH 22, 1927.

228,403. TOOL STEEL. ALBERT M. DIEHL, doing business as The Diehl Steel Co., Cincinnati, Ohio.
Filed January 3, 1927. Serial No. 242,284. PUBLISHED MARCH 15, 1927.

228,404. POLISHES AND DRESSINGS FOR USE ON VARNISHED, LACQUERED, AND ENAMELED SURFACES TO CLEAN, RESTORE, AND PRESERVE THE SAID SURFACES. STRAUB & YORKE, Chicago, Ill.
Filed January 3, 1927. Serial No. 242,318. PUBLISHED MARCH 22, 1927.

228,405. CANNED SAUERKRAUT JUICE USED FOR FOOD PURPOSES. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed January 5, 1927. Serial No. 242,377. PUBLISHED MARCH 22, 1927.

228,406. SOAPS AND SOAP COMPOUNDS. VIKING LABORATORIES, INCORPORATED, Charleston, W. Va.
Filed January 6, 1927. Serial No. 242,453. PUBLISHED MARCH 22, 1927.

228,407. SOAP AND SOAP COMPOUNDS. VIKING LABORATORIES, INCORPORATED, Charleston, W. Va.
Filed January 6, 1927. Serial No. 242,454. PUBLISHED MARCH 22, 1927.

228,408. MEDICINAL SALVE USED IN THE TREATMENT OF ASTHMA, BRONCHITIS, CATARRH, CHEST COLD, HEAD COLD, SORE THROAT, COUGHS, BOILS, BRUISES, BURNS, HEADACHE, NEURALGIA, ITCHING PILES, MUSCULAR RHEUMATISM, LUMBAGO, ECZEMA, FROSTBITES, SUNBURN, CUTS AND SCRATCHES, QUINSY, AND INFLUENZA. ELMER E. BILLINGS, doing business as Zisko Ointment Company, Barberton, Ohio.
Filed January 6, 1927. Serial No. 242,460. PUBLISHED MARCH 22, 1927.

228,409. BEARING METALS. JAKOB NEURATH, Vienna, Austria.
Filed January 7, 1927. Serial No. 242,489. PUBLISHED MARCH 15, 1927.

228,410. FRICTION FIRE STARTER FOR USE BY BOY SCOUTS, CAMPERS, AND TOURISTS. JAMES C. RAMSEY, Roswell, N. Mex.
Filed January 7, 1927. Serial No. 242,500. PUBLISHED MARCH 22, 1927.

228,411. A MALT BEVERAGE. PABST CORPORATION, Milwaukee, Wis.
Filed May 8, 1926. Serial No. 231,338. PUBLISHED SEPTEMBER 7, 1926.

228,412. MIDDIES, MIDDY BLOUSES, SMOCKS, AND CHILDREN'S DRESSES. DAVID J. GROSS, New York, N. Y.
Filed June 25, 1926. Serial No. 233,731. PUBLISHED MARCH 22, 1927.

228,413. LADIES' WEARING APPAREL COMPRISING PETTICOATS, PANTALETS, BLOOMERS, SLIPS, AND STEP-INS MADE OF SILK, COTTON, TEXTILE FABRICS, OR COMBINATIONS THEREOF. STEINFELD BROS. INC., New York, N. Y.
Filed August 20, 1926. Serial No. 236,232. PUBLISHED MARCH 22, 1927.

228,414. FUEL GAS COMPRESSED IN STEEL CYLINDERS FOR THE WELDING AND CUTTING OF METALS AND OTHER PURPOSES. INTERNATIONAL OXYGEN COMPANY, Newark, N. J.
Filed August 27, 1926. Serial No. 236,552. PUBLISHED JANUARY 11, 1927.

228,415. COTTON AND SILK TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. IRIS KNITTING CORPORATION, Pottstown, Pa.
Filed September 7, 1926. Serial No. 236,938. PUBLISHED FEBRUARY 22, 1927.

228,416. BOOTS AND SHOES OF LEATHER, FABRIC, RUBBER, OR A COMBINATION THEREOF. CHURCHILL AND ALDEN COMPANY, Brockton, Mass.
Filed October 12, 1926. Serial No. 238,487. PUBLISHED MARCH 8, 1927.

228,417. GOWNS, FROCKS, AND DRESSES. HALF SIZE DRESS CO., New York, N. Y.
Filed October 21, 1926. Serial No. 238,966. PUBLISHED MARCH 22, 1927.

228,418. WOMEN'S SILK HOSIERY. DAVISON-PAXON-STOKES CO., Atlanta, Ga.
Filed October 26, 1926. Serial No. 239,241. PUBLISHED MARCH 22, 1927.

228,419. TRANSFER PATTERNS FOR EMBROIDERY. STEMOR COMPANY, INC., New York, N. Y.
Filed November 4, 1926. Serial No. 239,684. PUBLISHED MARCH 15, 1927.

228,420. HAND SEWING NEEDLES; PINS MADE OF STEEL, BRASS, IRON, OR ALUMINUM WIRE WITH HEADS OF SIMILAR MATERIAL, OR HEADS OF GLASS; SAFETY PINS MADE OF STEEL, BRASS, IRON, OR ALUMINUM WIRE; CROCHET NEEDLES, HAND KNITTING NEEDLES; HAIRPINS MADE OF STEEL, BRASS, IRON, OR ALUMINUM WIRE WITH HEADS OF SIMILAR MATERIAL OR HEADS OF GLASS; AND HATPINS MADE OF STEEL, BRASS, IRON, OR ALUMINUM WIRE WITH HEADS OF SIMILAR MATERIAL OR HEADS MADE OF GLASS. HUGO HEUSCH & CIE. G. M. B. H., Aachen, Germany.
Filed November 22, 1926. Serial No. 240,414. PUBLISHED MARCH 22, 1927.

228,421. LADIES' AND MISSES' HATS. STANDARD HAT COMPANY, San Francisco, Calif.
Filed December 8, 1926. Serial No. 241,189. PUBLISHED MARCH 22, 1927.

228,422. HOSIERY. R. M. WATKINS, doing business as Watkins Hosiery Mills, Chattanooga, Tenn.
Filed December 11, 1926. Serial No. 241,362. PUBLISHED MARCH 22, 1927.

228,423. UNFINISHED ART EMBROIDERIES AND STAMPED FABRICS—NAMELY, FABRICS OF LINEN, SILK, COTTON, AND WOOL HAVING DESIGNS THEREON FOR EMBROIDERY. SOCIETY MAID NEEDLECRAFT CO., Brooklyn, N. Y.
Filed December 24, 1926. Serial No. 241,964. PUBLISHED MARCH 15, 1927.

228,424. WOMEN'S HATS OF FELT, VELOUR, STRAW, VELVET, SILK, AND COMBINATIONS THEREOF. THE WILLIAM HENGERER COMPANY, Buffalo, N. Y.
Filed December 30, 1926. Serial No. 242,195. PUBLISHED MARCH 22, 1927.

228,425. MONTHLY MAGAZINE. SPANISH-AMERICAN PUBLISHING COMPANY, Los Angeles, Calif.
Filed February 1, 1927. Serial No. 243,668. PUBLISHED MARCH 22, 1927.

228,426. WEEKLY PERIODICAL. UNIVERSAL PICTURES CORPORATION, New York, N. Y.
Filed February 2, 1927. Serial No. 243,731. PUBLISHED MARCH 22, 1927.

228,427. APPLIANCES FOR RETAINING SUPPORTING PADS AND TRUSSES IN POSITION. JOHN G. HOMAN, doing business as The New Science Institute, Steubenville, Ohio.
Filed February 3, 1927. Serial No. 243,760. PUBLISHED MARCH 15, 1927.

228,428. SANITARY NAPKINS. KOTEX COMPANY, Chicago, Ill.
Filed February 3, 1927. Serial No. 243,764. PUBLISHED MARCH 15, 1927.

228,429. SPECTACLE FRAMES. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio.
Filed February 5, 1927. Serial No. 243,906. PUBLISHED MARCH 22, 1927.

228,430. SPECTACLE FRAMES. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio.
Filed February 5, 1927. Serial No. 243,908. PUBLISHED MARCH 22, 1927.

228,431. DRILL AND TOOL STEEL. ZIV STEEL & WIRE COMPANY, Chicago, Ill.
Filed February 5, 1927. Serial No. 243,910. PUBLISHED MARCH 22, 1927.

228,432. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed February 7, 1927. Serial No. 243,963. PUBLISHED MARCH 22, 1927.

228,433. LINIMENT. SMITH CHEMICAL CORPORATION, Johnson City, Tenn.
Filed January 28, 1927. Serial No. 243,505. PUBLISHED MARCH 22, 1927.

228,434. SPECIAL MEDICAL REMEDY AND PHARMACEUTICAL PREPARATION AGAINST ALL KINDS OF NERVOUS DISEASE. "NERVODO" AKTIENGESELLSCHAFT, Zurich, Switzerland.
Filed August 19, 1926. Serial No. 236,899. PUBLISHED MARCH 22, 1927.

228,435. PREPARATION FOR THE TREATMENT OF INDIGESTION, URIC-ACID CONDITIONS, CONSTIPATION, HEADACHES DUE TO LIVER DISORDERS, EXCESSIVE USE OF ALCOHOLIC BEVERAGES, LAXATIVE PREPARATIONS; DIURETIC PREPARATIONS, AND ELIMINANT PREPARATIONS. MANUEL S. VALLDEJULI, doing business as The Picot Company, Buffalo, N. Y.
Filed August 30, 1926. Serial No. 236,666. PUBLISHED JANUARY 25, 1927.

228,436. CANNED TUNA. M. FEIBUSCH, San Francisco, Calif.
Filed August 28, 1926. Serial No. 236,313. PUBLISHED OCTOBER 26, 1926.

228,437. CANDY AND CANDY BARS. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed October 2, 1926. Serial No. 238,050. PUBLISHED MARCH 22, 1927.

228,438. PERFUMES OF ALL KINDS; PERFUMED TALCUM, SACHET, AND FACE POWDER; PERFUMED PASTE, STICK, POWDER, AND LIQUID ROUGE; PERFUMED FACE AND MASSAGE CREAM, PERFUMED HAIR TONIC AND LOTIONS, PERFUMED BATH SALTS AND POWDERS, AND PERFUMED DENTIFRICES IN PASTE, POWDER, AND LIQUID FORM. MADELEINE VIONNET ET CIE., Paris, France.
Filed August 20, 1926. Serial No. 236,242. PUBLISHED MARCH 22, 1927.

228,439. PLUMBERS' AND STEAM-FITTERS' SUPPLIES—NAMELY, BOWLS, BASINS, TUBS, BABY BATHS, SINKS, TOILET BOWLS, LAVATORIES, AND TANKS. LILY FOUNDRY COMPANY, Los Angeles, Calif.
Filed August 20, 1926. Serial No. 236,215. PUBLISHED MARCH 22, 1927.

228,440. MONTHLY MAGAZINE. LOVE ROMANCES PUB. CO., INC., New York, N. Y.
Filed February 11, 1927. Serial No. 244,233. PUBLISHED MARCH 22, 1927.

228,441. NEWSPAPER SECTION PUBLISHED MONTHLY. ALLEN BUSINESS PAPERS INC., New York, N. Y.
Filed February 9, 1927. Serial No. 244,039. PUBLISHED MARCH 22, 1927.

228,442. PUBLICATION ISSUED FROM TIME TO TIME. THE CERAMICS PUBLISHING CO., INC., Newark, N. J.
Filed February 8, 1927. Serial No. 243,996. PUBLISHED MARCH 22, 1927.

228,443. COMBINED ALCOHOL METERS AND INDICATORS, HYDROMETERS, AND INSTRUMENTS FOR MEASURING THE GRAVITY OF LIQUIDS AND SOLVENTS. AMERICAN SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed January 29, 1927. Serial No. 243,521. PUBLISHED MARCH 22, 1927.

228,444. SHOE-STRING POTATOES. MAX I. GINSBERG, doing business as Los Angeles Saratoga Chip Co., Los Angeles, Calif.
Filed January 29, 1927. Serial No. 243,540. PUBLISHED MARCH 22, 1927.

228,445. MAGAZINES, BOOKS, AND SIMILAR PERIODICALS. THE AMERICAN NEWS COMPANY, INC., New York, N. Y.
Filed January 31, 1927. Serial No. 243,575. PUBLISHED MARCH 22, 1927.

228,446. PUBLICATION ISSUED WEEKLY. AMERICAN BAKERS' PUBLISHING COMPANY, New York, N. Y.
Filed February 21, 1927. Serial No. 244,646. PUBLISHED MARCH 22, 1927.

228,447. TEXTILE FABRICS—NAMELY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed February 12, 1927. Serial No. 244,315. PUBLISHED MARCH 22, 1927.

228,448. APPARATUS FOR CLAMPING MEAT. BIAGIO A. FURIATI, Brooklyn, N. Y.
Filed February 11, 1927. Serial No. 244,225. PUBLISHED MARCH 22, 1927.

228,449. GAS-SHUT-OFF VALVES. FELLINGER CORPORATION, New York, N. Y.
Filed February 10, 1927. Serial No. 244,147. PUBLISHED MARCH 22, 1927.

228,450. ENAMEL PAINTS. BREINIG BROTHERS, INC., Hoboken, N. J.
Filed February 10, 1927. Serial No. 244,130. PUBLISHED MARCH 22, 1927.

228,451. ASPHALT ROOF PAINT. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,049. PUBLISHED MARCH 22, 1927.

228,452. VARNISH. PATEK BROTHERS, INC., Milwaukee, Wis.
Filed February 7, 1927. Serial No. 243,964. PUBLISHED MARCH 22, 1927.

228,453. STORY STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed February 7, 1927. Serial No. 243,962. PUBLISHED MARCH 22, 1927.

228,454. SILK PIECE GOODS. KRAMER BROS. & GREENSPAN, INC., New York, N. Y.
Filed February 7, 1927. Serial No. 243,955. PUBLISHED MARCH 22, 1927.

228,455. SILK PIECE GOODS. ZOLLINGER & SCHROTH, INC., New York, N. Y.
Filed February 5, 1927. Serial No. 243,911. PUBLISHED MARCH 22, 1927.

228,456. STEEL CASTINGS. THE BONNEY-FLOYD CO., Columbus, Ohio.
Filed February 5, 1927. Serial No. 243,843. PUBLISHED MARCH 22, 1927.

228,457. CIGARS. MICHAEL S. BISHARA, Niagara Falls, N. Y.
Filed February 2, 1927. Serial No. 243,684. PUBLISHED MARCH 22, 1927.

228,458. ADHESIVE COATING FOR METAL. NOKRODE COMPANY, Galveston, Tex.
Filed February 1, 1927. Serial No. 243,660. PUBLISHED MARCH 15, 1927.

228,459. GRANULATED, POWDERED, AND WHOLE GUM ARABIC, GUM TRAGACANTH, AND KARAYA GUM. THURSTON & BRAIDICH, New York, N. Y.
Filed January 6, 1927. Serial No. 242,448. PUBLISHED FEBRUARY 22, 1927.

228,460. SHOE SOLES. AVON SOLE COMPANY, Holbrook, Mass.
Filed January 18, 1927. Serial No. 242,979. PUBLISHED MARCH 22, 1927.

228,461. SHAVING SOAP, LIQUID SOAP, TOILET SOAP, SKIN SOAP, FOOT SOAP, BATH SOAP, AND HAIR AND SCALP SOAP. IRVING MCEWEN, Omaha, Nebr.
Filed January 18, 1927. Serial No. 243,009. PUBLISHED MARCH 22, 1927.

228,462. HOSIERY. RICHMOND WOLLSTEIN, Rome, Ga.
Filed January 18, 1927. Serial No. 243,031. PUBLISHED MARCH 22, 1927.

228,463. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER, FABRICS, OR COMBINATIONS THEREOF. HUCKINS & TEMPLE, INC., Milford, Mass.
Filed January 20, 1927. Serial No. 243,093. PUBLISHED MARCH 22, 1927.

228,464. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, COATS, AND PANTS. WOOLF BROTHERS, INC., Kansas City, Mo.
Filed January 21, 1927. Serial No. 243,182. PUBLISHED MARCH 22, 1927.

228,465. MEN'S SUITS AND COATS. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed January 22, 1927. Serial No. 243,208. PUBLISHED MARCH 22, 1927.

228,466. SANITARY NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed January 25, 1927. Serial No. 243,322. PUBLISHED MARCH 15, 1927.

228,467. PUBLICATION ISSUED MONTHLY. CRANDALL PIERCE & COMPANY, Chicago, Ill.
Filed January 27, 1927. Serial No. 243,419. PUBLISHED MARCH 22, 1927.

228,468. SWEATERS AND BATHING SUITS. MALDEN KNITTING MILLS, Malden, Mass.
Filed January 27, 1927. Serial No. 243,444. PUBLISHED MARCH 22, 1927.

228,469. LADIES' DRESSES, COATS, AND CLOAKS. B. HELLER & Co., New York, N. Y.
Filed February 1, 1927. Serial No. 243,651. PUBLISHED MARCH 22, 1927.

228,470. DENTURES AND DENTURE PARTS, PARTICULARLY THOSE MADE OF STAINLESS STEEL. ERDLE AND PRANGE, New York, N. Y.
Filed February 1, 1927. Serial No. 243,647. PUBLISHED MARCH 15, 1927.

228,471. OVERALLS, JACKETS, PANTS, AND WORK SHIRTS. C. W. KLEMM INCORPORATED, Bloomington, Ill.
Filed August 29, 1924. Serial No. 202,019. PUBLISHED MARCH 22, 1927.

228,472. LADIES' AND CHILDREN'S OUTER CLOTHING—NAMELY, DRESSES, SUITS, AND COATS. M. RICH & BROS. CO., Atlanta, Ga.
Filed August 4, 1925. Serial No. 218,872. PUBLISHED FEBRUARY 8, 1927.

228,473. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. CONTINENTAL DRUG CORPORATION, St. Louis, Mo.
Filed November 14, 1925. Serial No. 223,285. PUBLISHED MARCH 22, 1927.

228,474. BABY PANTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed November 24, 1925. Serial No. 223,789. PUBLISHED JANUARY 12, 1926.

228,475. WASHING POWDER. THE WHITE WAVE COMPANY, Dowagiac, Mich.
Filed November 14, 1925. Serial No. 223,350. PUBLISHED FEBRUARY 15, 1927.

228,476. FRESH POTATOES, ONIONS, TURNIPS, AND APPLES. FRANK A. MOSS, Boston, Mass.
Filed November 19, 1925. Serial No. 223,534. PUBLISHED JANUARY 11, 1927.

228,477. PERMANENT-HAIR-WAVING MACHINES AND EQUIPMENT FOR PERMANENT-HAIR-WAVING MACHINES, SUCH AS CABINETS AND CRIMPERS. THE S. LEMUR COMPANY, Cleveland, Ohio.
Filed December 22, 1926. Serial No. 241,827. PUBLISHED MARCH 22, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

228,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELTON D. KOHR, York, Pa. Filed Jan. 22, 1927. Serial No. 243,222.

KOHR'S KUSTARD

Particular description of goods.—Custard.
Claims use since 1924.

228,479. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. P. RATIGAN, Los Angeles, Calif. Filed Feb. 7, 1927. Serial No. 243,969.

RATIGAN

Particular description of goods.—Oil-Well Equipment—Namely, Beam Hangers, Sucker-Rod Elevators and Polish-Rod Clamps, Sucker-Rod Rotors, Beam-Hanger Shock Absorbers, Polish-Rod Grips, Bell Nipples, Samson-Post Rockers, and Tubing Tongs.
Claims use since about 1917.

228,480. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES F. WIESENMEYER, Springfield, Ill. Filed Feb. 7, 1927. Serial No. 243,988.

Wiesenmeyer's
Super Tire Chains

Particular description of goods.—Automobile Tire Chains.
Claims use since Apr. 21, 1924.

228,481. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SACO-LOWELL SHOPS, Newton Upper Falls, Mass. Filed Feb. 17, 1927. Serial No. 244,515.

SACO-LOWELL

Particular description of goods.—Textile Machinery and Parts Thereof.
Claims use since 1912.

228,482. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) W. G. CLARK & Co., INC., North Attleboro, Mass. Filed Mar. 8, 1927. Serial No. 245,391.

Clark

Particular description of goods.—Vapor Cigar Lighters.
Claims use since May 25, 1921.

228,483. (CLASS 2. RECEPTACLES.) CHICAGO BOILER COMPANY, Chicago, Ill. Filed Mar. 21, 1927. Serial No. 246,076.

"Better Welded"

Particular description of goods.—Storage Tanks for Oil and Water.
Claims use since July 15, 1925.

228,484. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE COOPER CORP., Cincinnati, Ohio. Filed Mar. 21, 1927. Serial No. 246,080.

CENTRAL STATES

Particular description of goods.—Pneumatic-Tire Cases and Tubes Therefor.
Claims use since Sept. 8, 1924.

228,485. (CLASS 16. PAINTS AND PAINTER'S MATERIALS.) J. KAEPPEL, Minneapolis, Minn. Filed Mar. 26, 1927. Serial No. 246,414.

PEEL-NOT

Particular description of goods.—Mixed Paint Ready for Use.
Claims use since Jan. 10, 1924.

228,486. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GILLETTE AUTOPARTS CO., INC., South Hanover, Mass. Filed Oct. 7, 1925. Serial No. 221,862.

GILLETTE
CUSHION GRIP

Particular description of goods.—Brake Linings.
Claims use since July 7, 1922.

228,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BLISS LABORATORIES, INC., New York, N. Y. Filed Apr. 1, 1926. Serial No. 229,490.

BLISS

Particular description of goods.—Hair Tonic, Hair Powder, Astringent Remedies, Face Powder, Tissue Cream, Eyelash Stimulator, Nail-Bleach Powder, Whitening Cream, Toilet Water, Perfumes, and Follicle Lotion—Viz., Liquid Antiseptic.
Claims use since 1918.

228,488. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Apr. 14, 1926. Serial No. 230,163.

SELF STRIKER

Particular description of goods.—Spoons for Artificial Fish Bait.
Claims use since Feb. 1, 1926.

228,489. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Apr. 14, 1926. Serial No. 230,165.

EVANS

Particular description of goods.—Spoons for Artificial Fish Bait.
Claims use since Feb. 1, 1926.

228,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash. Filed May 5, 1926. Serial No. 231,133.

SANDWICH

Particular description of goods.—Canned Salmon.
Claims use since Apr. 20, 1926.

228,491. (CLASS 10. FERTILIZERS.) FRANK LEIDY, Jr., doing business as The Gro-Wer Plant Food Company, Westminster, Md. Filed May 7, 1926. Serial No. 231,268.

Gro-Wer

Particular description of goods.—Plant Food.
Claims use since Apr. 26, 1926.

228,492. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITNEY-JARVIS CO., Louisville, Ky. Filed June 2, 1926. Serial No. 232,636.



Particular description of goods.—Can Openers.
Claims use since Apr. 15, 1926.

228,493. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN NICKELOID COMPANY, Peru, Ill. Filed June 10, 1926. Serial No. 232,981.

BONDED

Particular description of goods.—Sheet Metals Made of Zinc, Copper, or the Like Plated with Nickel.
Claims use since Mar. 1, 1926.

228,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROCERS BAKING COMPANY, Louisville, Ky. Filed June 11, 1926. Serial No. 233,072.

HONEY HOLWEET

Particular description of goods.—Bread.
Claims use since Apr. 4, 1918.

228,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CELLAS', INC., also doing business as Labrocel Packing Co., Inc., New York, N. Y. Filed July 22, 1926. Serial No. 234,893.



Particular description of goods.—Canned Fillets of Anchovies in Olive Oil.
Claims use since 1913.

228,496. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) SOUTHWARK FOOD PRODUCTS CO., Philadelphia, Pa. Filed Dec. 24, 1926. Serial No. 241,966.

Our Best

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Feb. 18, 1921.

228,497. (CLASS 37. PAPER AND STATIONERY.) WOELZ BROTHERS, Appleton, Wis. Filed Dec. 27, 1926. Serial No. 242,037.

NICOLET

Particular description of goods.—Writing and Ledger Papers.
Claims use since Oct. 1, 1921.

TRADE-MARK REGISTRATIONS RENEWED

29,392. SOAP. Registered December 29, 1896. WILLIAM WALTKE & CO. Renewed December 29, 1926, to Wm. Waltke & Co., St. Louis, Mo., a Corporation of West Virginia, successor.

30,140. CHEMICALS ACTING AS INTESTINAL ASTRINGENTS AND ANTISEPTICS. Registered June 8, 1897. THE FIRM OF E. MERCK, Darmstadt, Germany. Renewed June 8, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

30,242. PERFUMERY, CONFECTIONERY, AND DISTILLED LIQUORS. Registered June 22, 1897. JOHANN CARL WILHELM FERDINAND TIEMANN, Berlin, Germany. Renewed June 22, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

30,243. PERFUMERY, CONFECTIONERY, AND DISTILLED LIQUORS. Registered June 22, 1897. JOHANN CARL WILHELM FERDINAND TIEMANN, Berlin, Germany. Renewed June 22, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

30,399. CANNED AND PRESERVED FRUITS, VEGETABLES, AND FISH EXCEPT SALMON. Registered July 20, 1897. R. C. WILLIAMS & CO. Renewed July 20, 1927, to R. C. Williams & Co. Inc., New York, N. Y., A Corporation of New York, assignee.

30,713. RICE STARCH. Registered October 19, 1897. J. & J. COLMAN, LIMITED, Norwich and London, England, a Corporation of Great Britain. Renewed October 19, 1927.

30,737. LAGER BEER. Registered October 26, 1897. THE LEISY BREWING CO., Peoria, Ill., a Corporation of Illinois. Renewed October 26, 1927.

59,502. ALL KINDS OF LEATHER. Registered January 8, 1907. THOMAS BAYLEY & COMPANY LIMITED, Nottingham, England, a Corporation of Great Britain. Renewed January 8, 1927.

62,185. LARD. Registered April 23, 1907. THE JOHN C. ROTH PACKING CO., Cincinnati, Ohio, a Corporation of Ohio. Renewed April 23, 1927.

62,215. GAS, OIL, AND VAPOR STOVES, BURNERS, AND OVENS. Registered April 23, 1907. AMERICAN STOVE COMPANY, Jersey City, N. J., and St. Louis, Mo. Renewed April 23, 1927, to American Stove Company, St. Louis, Mo., a Corporation of New Jersey.

62,383. CERTAIN MEDICINES. Registered April 30, 1907. FREDERICK A. STECK, Oil City, Pa. Renewed April 30, 1927, to Impervia Co. Inc., Rochester, N. Y., a Corporation of Delaware, assignee.

62,869. BEER. Registered May 28, 1907. GABRIEL SEDLMAYR, BRAUEREI ZUM SPATEN. Renewed May 28, 1927, to Gabriel und Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. Munchen, Munich, Germany, assignee.

62,870. BEER. Registered May 28, 1907. GABRIEL SEDLMAYR, BRAUEREI ZUM SPATEN. Renewed May 28, 1927, to Gabriel und Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. Munchen, Munich, Germany, assignee.

62,996. AN ASTRINGENT AND HÆMOSTATIC. Registered June 4, 1907. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Höchst-on-the-Main, Germany. Renewed June 4, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,161. DYESTUFF. Registered June 11, 1907. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the Rhine, Germany. Renewed June 11, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,162. DYESTUFF. Registered June 11, 1907. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed June 11, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,256. CHEMICALS USED IN REDUCING, DISCHARGING, AND BLEACHING. Registered June 11, 1907. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed June 11, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,257. DYESTUFF. Registered June 11, 1907. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed June 11, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,258. DYESTUFF AND CHEMICALS USED IN REDUCING, DISCHARGING, AND BLEACHING. Registered June 11, 1907. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed June 11, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,303. CERTAIN CHEMICALS. Registered June 11, 1907. BADISCHE ANILIN & SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed June 11, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,339. LEAD PIGMENTS. Registered June 18, 1907. PICHER LEAD COMPANY, Joplin, Mo. Renewed June 18, 1927, to The Eagle-Picher Lead Company, Chicago, Ill., a Corporation of Ohio, assignee.

63,485. SHOE POLISH AND SHOE BLACKING. Registered June 25, 1907. BOYER & COMPANY. Renewed June 25, 1927, to William F. Boyer, doing business as Boyer & Company, Philadelphia, Pa., successor.

63,486. SHOE POLISH AND SHOE BLACKING. Registered June 25, 1907. BOYER & COMPANY. Renewed June 25, 1927, to William F. Boyer, doing business as Boyer & Company, Philadelphia, Pa., successor.

63,487. METALLIC FASTENERS FOR BELTS. Registered June 25, 1907. THE BRISTOL COMPANY, Waterbury, Conn., a Corporation of Connecticut. Renewed June 25, 1927.

63,539. RAW CATGUT AND SEWING SILK FOR SURGICAL PURPOSES. Registered June 25, 1907. ERNST SCHEFFLER, Zwota, Germany. Renewed June 25, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,629. ARTISTS' COLORS, PIGMENTS, LIQUIDS, AND VARNISHES. Registered July 2, 1907. WINSOR AND NEWTON, LIMITED, London, England, a Corporation of Great Britain. Renewed July 2, 1927.

63,679. GRASS-BLEACHED TISSUE PAPER. Registered July 2, 1907. JAMES R. CROMPTON & BROTHERS, LIMITED, Elton Paper Mills, Bury, England, a Corporation of Great Britain. Renewed July 2, 1927.

63,710. TISSUE PAPER. Registered July 2, 1907. JAMES R. CROMPTON & BROTHERS, LIMITED, Elton Paper Mills, Bury, England, a Corporation of Great Britain. Renewed July 2, 1927.

64,014. CERTAIN PAPER. Registered July 16, 1907. JAMES R. CROMPTON & BROTHERS, LIMITED, Elton Paper Mills, Bury, England, a Corporation of Great Britain. Renewed July 16, 1927.

64,042. CERTAIN WHITE PIGMENT. Registered July 23, 1907. PICHER LEAD COMPANY, Joplin, Mo. Renewed July 23, 1927, to The Eagle-Picher Lead Company, Chicago, Ill., a Corporation of Ohio, assignee.

64,245. PIANOS. Registered July 30, 1907. SCHUMANN PIANO COMPANY, INCORPORATED, Rockford, Ill., a Corporation of Illinois. Renewed July 30, 1927.

64,486. A REMEDY FOR CERTAIN DISEASES. Registered August 6, 1907. CHAS. W. MIXER, Hastings, Mich. Renewed August 6, 1927.

64,645. CERTAIN MEDICINE. Registered August 13, 1907. SYDNEY B. LEONARDI, Tampa, Fla. Renewed August 13, 1927, to S. B. Leonardi & Co. Inc., New Rochelle, N. Y., a Corporation of New York, assignee.

64,712. WATCHES, PARTS OF WATCHES, AND WATCHCASES. Registered August 20, 1907. A. WITTNAUER CO., New York, N. Y., a Corporation of New York. Renewed August 20, 1927.

64,713. WATCHES, PARTS OF WATCHES, AND WATCHCASES. Registered August 20, 1907. A. WITTNAUER CO., New York, N. Y., a Corporation of New York. Renewed August 20, 1927.

64,714. WATCHES, PARTS OF WATCHES, AND WATCHCASES. Registered August 20, 1907. A. WITTNAUER CO., New York, N. Y., a Corporation of New York. Renewed August 20, 1927.

64,745. COFFEE. Registered August 20, 1907. MERCHANTS COFFEE CO. Renewed August 20, 1927, to The Merchants' Coffee Company, Baltimore, Md., a Corporation of Maryland, assignee by mesne assignments.

65,110. WATCHES, PARTS OF WATCHES, AND WATCHCASES. Registered September 10, 1907. A. WITTNAUER CO., New York, N. Y., a Corporation of New York. Renewed September 10, 1927.

65,399. WHEAT FLOUR. Registered September 24, 1907. THE KANSAS MILLING COMPANY, Wichita, Kans., a Corporation of Kansas. Renewed September 24, 1927.

65,400. WHEAT FLOUR. Registered September 24, 1907. THE KANSAS MILLING COMPANY, Wichita, Kans., a Corporation of Kansas. Renewed September 24, 1927.

65,512. WHEAT FLOUR. Registered October 8, 1907. SHEFFIELD KING MILLING CO. Renewed October 8, 1927, to H. H. King Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

65,567. CERTAIN KNITTED GOODS. Registered October 8, 1907. NOVELTY KNITTING CO., Albany, N. Y. Renewed October 8, 1927, to Novelty Knitting Company, Cohoes, N. Y., a Corporation of New York.

65,684. MOSAIC GAMES. Registered October 15, 1907. FRIEDRICH ADOLF RICHTER, Rudolstadt, Germany, and New York, N. Y. Renewed October 15, 1927, to The A. C. Gilbert Company, New Haven, Conn., a Corporation of Connecticut, assignee.

65,699. BUTTERINE AND OLEOMARGARINE. Registered October 15, 1907. JOHN F. JELKE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 15, 1927.

LABELS

REGISTERED MAY 31, 1927.

32,152.—*Title:* ITSNOG. For a Sirup for Making Beverages and for Flavoring. JOHN F. ABBOTT, doing business as Caribbean Products Co., Philadelphia, Pa. Published March 15, 1927.

32,153.—*Title:* ALEXANDRIA SPECIAL—LOVE AT FIRST SIGHT HIGH GRADE CIGARETTES. For Cigarettes. ANASTAS A. APOSTOLIDIS, New York, N. Y. Published March 10, 1927.

32,154.—*Title:* BEARSTRONG. For Knit Hosiery. ISRAEL BERENSON, Boston, Mass. Published February 8, 1927.

32,155.—*Title:* THO-RO TEXTILE AND FABRIC, CHEMICAL DRY CLEANING FLUID. For a Cleaning Fluid for Fabrics. JOSEPH I. BLANCK, Brooklyn, N. Y. Published February 10, 1927.

32,156.—*Title:* BIRD BLEND. For Food Tonic for Cage Birds. HENRY L. BORINI, Brooklyn, N. Y. Published April 20, 1927.

32,157.—*Title:* POWDERED MILK. For Powdered Milk. CHALLENGE CREAM OF BUTTER ASSOCIATION, Los Angeles, Calif. Published July 19, 1926.

32,158.—*Title:* SELMO HEALING OINTMENT. For a Salve for Itching or Irritating Skin. STEVE CHULICK, doing business as Selmo Laboratories Company, St. Louis, Mo. Published March 21, 1927.

32,159.—*Title:* SPECIAL BARLEY MALT EXTRACT. For Malt Extract. EDNA S. CLUEVER, doing business as Melo-Cream Distributing Co., Chicago, Ill. Published March 31, 1927.

32,160.—*Title:* SAN GIUSTO. For Salad Oil. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Published February 14, 1927.

32,161.—*Title:* OLD RELIABLE CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published August 15, 1925.

32,162.—*Title:* MERION BRAND CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published August 15, 1925.

32,163.—*Title:* CAPITOL CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published August 15, 1925.

32,164.—*Title:* SELECT CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published August 15, 1925.

32,165.—*Title:* DAIRYLAND CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published October 15, 1926.

32,166.—*Title:* FIRST CLASS BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published October 15, 1926.

32,167.—*Title:* BELLEVUE DAIRY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published October 15, 1926.

32,168.—*Title:* THE WARNER DAIRY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published October 15, 1926.

32,169.—*Title:* SELECT DAIRY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published September 15, 1926.

32,170.—*Title:* THE WHOLESOME KIND CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published September 15, 1926.

32,171.—*Title:* SUNSET BRAND BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published September 15, 1926.

32,172.—*Title:* EAGLE CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published September 15, 1926.

32,173.—*Title:* LEADER BRAND BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published September 15, 1926.

32,174.—*Title:* SPRINGER'S CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published April 15, 1925.

32,175.—*Title:* SMITH'S BRAND ICE CREAM. For Ice Cream. WILLIAM DOANE, St. Louis, Mo. Published April 15, 1925.

32,176.—*Title:* BANNER BRAND ICE CREAM. For Ice Cream. WILLIAM DOANE, St. Louis, Mo. Published April 15, 1925.

32,177.—*Title:* AMERICAN BEAUTY ICE CREAM. For Ice Cream. WILLIAM DOANE, St. Louis, Mo. Published April 15, 1925.

32,178.—*Title:* NICCO ICE CREAM. For Ice Cream. WILLIAM DOANE, St. Louis, Mo. Published December 20, 1926.

32,179.—*Title:* HOME MADE ICE CREAM. For Ice Cream. WILLIAM DOANE, St. Louis, Mo. Published December 15, 1926.

32,180.—*Title:* SUPREME ICE CREAM. For Ice Cream. WILLIAM DOANE, St. Louis, Mo. Published April 15, 1925.

32,181.—*Title:* PULVOIDS NO. 373 NATRICO. For Medicinal Preparation. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Published April 21, 1927.

32,182.—*Title:* BALANCED. For Laying Mash. FARMERS SYNDICATE INC., Cortland, N. Y. Published March 25, 1927.

32,183.—*Title:* BLEACHTEX. For Toilet Paper. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Published April 13, 1926.

32,184.—*Title:* OSF MONOGRAM MAYONNAISE. For Mayonnaise. OLIVER S. FOWLER, South Norwalk, Conn. Published January 1, 1926.

32,185.—*Title:* LEK WUNDER WITE. For Shoe Cleaning and Whitening Preparation. NATHAN A. FRANKEL, doing business as Leknarf Manufacturing Co., Louisville, Ky. Published March 23, 1925.

32,186.—*Title:* ANONA HOSIERY. For Hosiery. THE JOHN M. GIVEN COMPANY, New York, N. Y., Chicago, Ill., and Pittsburgh, Pa. Published March 31, 1927.

32,187.—*Title:* THUNDERBOLT. For Tire Patch. FRED J. HAGERLING, St. Louis, Mo. Published March 12, 1927.

32,188.—*Title:* BABY HUM. For Candy Bars. KNOWLAN CANDY COMPANY, Green Bay, Wis. Published February 17, 1927.

32,189.—*Title:* UNEQUALLED BRAND IRONING BOARD COVER. For Ironing-Board Covers. HARRY KOBRIN, doing business as Kobrin Mfg. Co., Brooklyn, N. Y. Published December 20, 1926.

32,190.—*Title:* THE L & B HOSE. For Hosiery. L. & B. HOSIERY CO. INC., New York, N. Y. Published February 7, 1927.

32,191.—*Title:* VAN DYKE. For Radio Tubes. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published April 19, 1927.

32,192.—*Title:* MONUMENT CARBON PAPER AND TYPEWRITER RIBBONS. For Carbon Paper and Typewriter Ribbons. MONUMENT INK COMPANY, INC., Indianapolis, Ind. Published December 6, 1926.

32,193.—*Title:* QUICK POLISHING POWDER. For Polishing Powder. FRANK NACK, Jr., doing business as The Quick Polishing Powder Co., Ferguson, Mo. Published November 27, 1926.

32,194.—*Title:* ROMAN. For Oranges. EARLE R. NASH, Riverside, Calif. Published April 2, 1927.

32,195.—*Title:* SAXON. For Oranges. EARLE R. NASH, Riverside, Calif. Published April 2, 1927.

32,196.—*Title:* SEE IT IN GLASS—BUY IT IN TIN. For Canned Black Raspberries. J. M. PAVER COMPANY, Chicago, Ill. Published February 1, 1927.

32,197.—*Title:* SEE IT IN GLASS—BUY IT IN TIN. For Canned Fancy Sugar Peas. J. M. PAVER COMPANY, Chicago, Ill. Published February 1, 1927.

32,198.—*Title:* TRYSOM. For Canned Gooseberries. THE J. M. PAVER COMPANY, Chicago, Ill. Published March 1, 1927.

32,199.—*Title:* TRYSOM. For Canned Peas. THE J. M. PAVER COMPANY, Chicago, Ill. Published March 1, 1927.

32,200.—*Title:* COUNTRY QUEEN. For Canned Beets. THE J. M. PAVER COMPANY, Chicago, Ill. Published March 1, 1927.

32,201.—*Title:* COUNTRY QUEEN. For Canned Blackberries. THE J. M. PAVER COMPANY, Chicago, Ill. Published March 1, 1927.

32,202.—*Title:* CHEF AND CUP. For Coffee. THOMAS M. ROYAL & CO., Philadelphia, Pa. Published November 28, 1926.

32,203.—*Title:* GIRL AND CUP. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published November 28, 1926.

32,204.—*Title:* SKIDOO CREAMY CLEANSER. For Cleaning Paste. THE SKIDOO COMPANY, Columbus, Ohio. Published February 15, 1927.

32,205.—*Title:* DAKOTA SUNSHINE HONEY. For Honey. F. H. SMITH & SONS, Amenia, N. Dak. Published April 1, 1926.

32,206.—*Title:* TRU-TONE. For Hair-Color Restorer. TRU-TONE PRODUCTS COMPANY, Philadelphia, Pa. Published January 15, 1927.

32,207.—*Title:* WESTBROOK'S PLAYING CARD TARGET. For a Game. ART WESTBROOK, Spokane, Wash. Published February 10, 1927.

32,208.—*Title:* SUN PROOF GENUINE KRAFT RAISIN TRAY PAPER. For Paper Raisin Trays. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published February 28, 1927.

PRINTS

REGISTERED MAY 31, 1927.

9,857.—*Title:* YOUR MOTOR SMILES WITH. For Lubricating Oil. JOS. T. AULTMAN, Milwaukee, Wis. Published April 1, 1927.

9,858.—*Title:* YOUR MOTOR CRIES FOR. For Lubricating Oil. JOS. T. AULTMAN, Milwaukee, Wis. Published April 1, 1927.

9,859.—*Title:* BATTLE CREEK SANITARIUM HEALTH FOODS. For Health Foods. BATTLE CREEK FOOD CO., Battle Creek, Mich. Published March 1, 1927.

9,860.—*Title:* DON'T JUST BUY "UNDERWEAR." For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 26, 1927.

9,861.—*Title:* THE NECKLINE OF BEAUTY. For a Sapphire and Diamond Necklace. BLACK, STARR & FROST, New York, N. Y. Published January 15, 1927.

9,862.—*Title:* CHASE'S CANDY MENU STAND. For Candy. CHASE CANDY COMPANY, St. Joseph, Mo. Published March 15, 1926.

9,863.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. THE D & C CO., INC., Wilmington, Del., and Brooklyn, N. Y. Published April 10, 1927.

9,864.—*Title:* THAT SPOT MAY MEAN SICKNESS FOR BABY. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published January 6, 1927.

9,865.—*Title:* DAUGHTER MAY CATCH DISEASE FROM THAT BANISTER. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published January 13, 1927.

9,866.—*Title:* THE DOCTOR WARNS. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published January 6, 1927.

9,867.—*Title:* WHERE OTHER HANDS HAVE TOUCHED—DISEASE GERMS THREATEN. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published January 13, 1927.

9,868.—*Title:* WATCH OUT. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published January 6, 1927.

9,869.—*Title:* MAKE BABY SAFE. For Washing Powder. GOLD DUST CORPORATION, Jersey City, N. J. Published January 13, 1927.

9,870.—*Title:* NATION WIDE SERVICE GROCERS. For Groceries. E. C. HALL COMPANY, Brockton, Mass. Published February 26, 1927.

9,871.—*Title:* LIBERTY ROOT BEER. For Root Beer. RICHARDSON CORPORATION, Rochester, N. Y. Published March 29, 1927.

9,872.—*Title:* FLIT—KILL INSECTS! THEY SPREAD DISEASE. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published December 30, 1926.

REISSUES

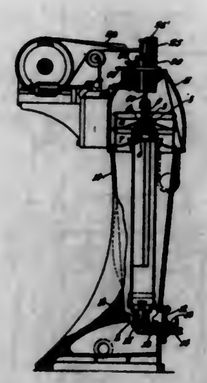
MAY 31, 1927.

16,639. BLOOD-COAGULATION MEDIUM. CLARENCE A. MILLS, Cincinnati, Ohio, assignor to The William S. Merrell Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 25, 1923. Serial No. 646,640. Original No. 1,397,896, dated Nov. 22, 1921, Serial No. 379,404, filed May 6, 1920. 7 Claims. (Cl. 167—7.)

6. A blood coagulant comprising as its principal ingredients a protein and a phospholipin and obtained by isolating the active material from a salt solution, or an extraction, of tissue.

7. A blood coagulant in a suspended, dissolved or emulsified form and comprising as its principal ingredients a protein and a phospholipin obtained by isolating the active material from a salt solution, or an extraction, of tissue.

16,640. CENTRIFUGAL MACHINE AND PROCESS INVOLVING THE USE OF THE SAME. LEO D. JONES and ARTHUR U. AYRES, Philadelphia, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 13, 1927. Serial No. 183,535. Original application filed May 1, 1924, Serial No. 710,388. Original No. 1,575,061, dated Mar. 2, 1926. Divided and this application filed May 29, 1925. Serial No. 33,729. 47 Claims. (Cl. 233—13.)
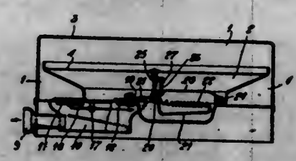


1. In the centrifugal treatment of a substance the process which comprises subjecting the substance to the action of centrifugal force to effect a desired change in the substance and to discharge the substance in dispersed form from the influence of the centrifugal force, and suitably regulating the pressure of the atmosphere within which the substance is so discharged to prevent undesirable alteration of the substance while it exists in the dispersed state in which it is discharged.

16,641. PYJAMA TROUSERS. GEORGE M. HARSH, Baltimore, Md. Filed Jan. 8, 1927. Serial No. 159,969. Original No. 1,593,631, dated July 27, 1926, Serial No. 89,405, filed Feb. 19, 1926. 7 Claims. (Cl. 2—237.)



6. A supporting band for wearing apparel consisting of a tube of elastic textile fabric, a strip of sheet rubber enclosed within the fabric and elastic stitching securing the rubber to the fabric causing the textile fabric to contract and expand with the rubber, the fabric lying flat on the rubber at all times.

16,642. GAS METER. GEORG KARL VILHELM JOHANSON, Lidingo, Sweden, assignor to Aktiebolaget Gasmätare, Stockholm, Sweden, a Corporation of Sweden. Filed Mar. 26, 1926. Serial No. 97,798. Original No. 1,417,998, dated May 30, 1922, Serial No. 321,100, filed Sept. 2, 1919. 2 Claims. (Cl. 73—1.)



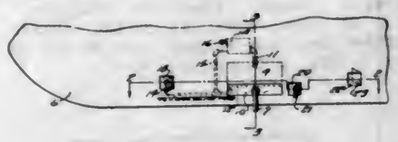
1. In a gas meter, the combination of two measuring chambers, a movable diaphragm separating said chambers, an inlet to said chambers, an outlet from said chambers, valves between each of said chambers and said inlet and said outlet, a spring mechanism between said diaphragm and said valves comprising a lever and means whereby said lever is connected with the diaphragm, a second lever, means whereby said last named lever is connected with the valves, a spring connecting the said second lever to a point on the first named lever remote from its fulcrum, said levers being so related that lines connecting their fulcra and the fixing points respectively of the spring cross one another in the limit positions of the levers, and means for locking said second lever against movement during the movement of the diaphragm until it reaches its limit positions of movement.

16,643. LOCKING DEVICE FOR TRUNKS. MILTON H. LUCE, Kansas City, Mo., assignor to Wheary Trunk Company, Racine, Wis. Filed Jan. 5, 1927. Serial No. 159,247. Original No. 1,578,537, dated Mar. 30, 1926, Serial No. 613,136, filed Jan. 17, 1923. 21 Claims. (Cl. 70—27.)



1. Trunk locking mechanism comprising the combination with the meeting margins of two trunk sections, of a locking lever fulcrumed to the wall of one section, the adjacent margin of the section being recessed and said lever having an offset portion adapted for swinging movement in said recess, a locking device carried by the offset portion of the lever, and a co-operating catch carried by the registering wall member of the opposing trunk section.

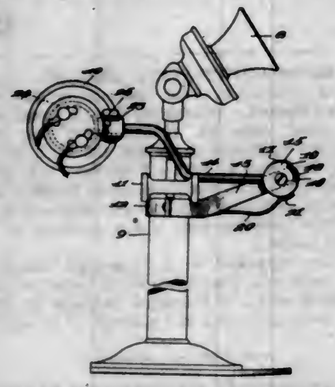
16,644. HEAT-TRANSFER SYSTEM FOR AIRCRAFT. HUMPHREY F. PARKER, Philadelphia, Pa. Filed Mar. 10, 1926. Serial No. 93,765. Original No. 1,503,374, dated July 29, 1924, Serial No. 557,229, filed Apr. 28, 1922. 20 Claims. (Cl. 244—3.)



7. A method of recovering water on aircraft consisting in passing engine exhaust gases isolated from the sustaining gas against the inner surface of a fabric wall, the outer surface of said wall being exposed to the air stream, whereby water is condensed from said exhaust gases.

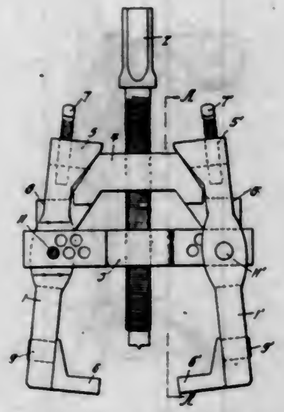
16,645. TELEPHONE ATTACHMENT. FAIRFIELD W. HOBAN, New York, N. Y., assignor, by mesne assignments, to Holdaphone, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 8, 1927. Serial No. 173,728. Original No. 1,530,897, dated Mar. 24, 1925, Serial No. 482,446, filed July 5, 1921. 8 Claims. (Cl. 179—149.)

1. A telephone attachment comprising a bracket member and means for mounting the same on a telephone instrument, a receiver carrying arm member pivoted to the bracket member and adapted to move between a position on the receiver hook and a position in advance of the same, one of said members having a head provided with a smooth friction surface terminating in a stop shoulder, and a friction spring carried by the other member and



bearing against the friction surface, said spring abutting against the stop shoulder when the carrying arm is in its advance position to hold it therein and bearing against the smooth friction surface during the travel of said arm to and when it is located on said receiver hook.

16,646. TOOL FOR REMOVING COLLARS AND THE LIKE. FLOYD ANDREW MITCHELL, Portland, Oreg. Filed Aug. 10, 1921. Serial No. 491,276. Original No. 1,259,036, dated Mar. 12, 1918, Serial No. 130,434, filed Nov. 9, 1916. 7 Claims. (Cl. 29—85.)

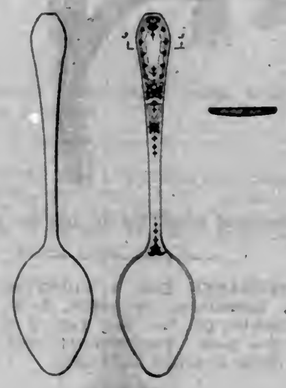


1. A tool for removing collars and the like from shafts and the like comprising in combination, a cross-piece, a pair of side pieces pivoted to said cross-piece, a yoke, a rod intermediate said side pieces having threaded engagement with said yoke, and means for transmitting stress from said yoke to said side-pieces for engaging them with a collar or the like.

DESIGNS

MAY 31, 1927.

72,747. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y. Filed Dec. 24, 1926. Serial No. 20,138. Term of patent 14 years.



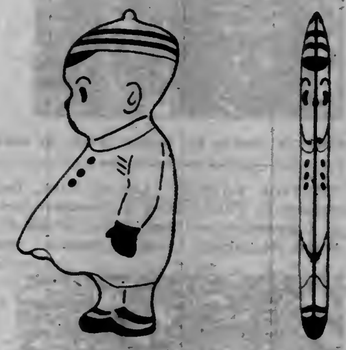
The ornamental design for a spoon or similar article as shown.

72,748. STAND MIRROR. LINWOOD M. ANDREWS, Chicago, Ill. Filed Mar. 21, 1927. Serial No. 21,233. Term of patent 7 years.



The ornamental design for a stand mirror, as shown.

72,749. DOLL. WALTER BERNDT, Brooklyn, N. Y. Filed Apr. 14, 1926. Serial No. 17,202. Term of patent 3½ years.



The ornamental design for a doll as shown.

72,750. TEXTILE FABRIC. LUCIEN BIVA, Brooklyn, N. Y., assignor to Titus Blatter & Company, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1927. Serial No. 20,723. Term of patent 7 years.



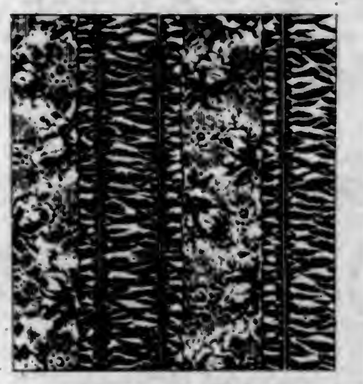
The ornamental design for textile fabric, as shown.

72,751. TEXTILE FABRIC. LUCIEN BIVA, Brooklyn, N. Y., assignor to Titus Blatter & Company, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1927. Serial No. 20,724. Term of patent 7 years.



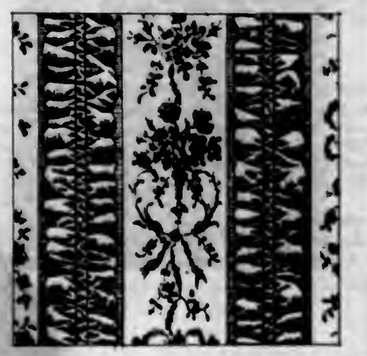
The ornamental design for textile fabric, as shown.

72,752. TEXTILE FABRIC. LUCIEN BIVA, Brooklyn, N. Y., assignor to Titus Blatter & Company, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1927. Serial No. 20,725. Term of patent 7 years.



The ornamental design for textile fabric, as shown.

72,753. TEXTILE FABRIC. LUCIEN BIVA, Brooklyn, N. Y., assignor to Titus Blatter & Company, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1927. Serial No. 20,726. Term of patent 7 years.



The ornamental design for textile fabric, as shown.

72,754. ARM FOR A CHANDELIER. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,164. Term of patent 3½ years.



The ornamental design for an arm for a chandelier, as shown.

72,755. SPREADER FOR A LIGHTING FIXTURE. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,165. Term of patent 3½ years.



The ornamental design for a spreader for a lighting fixture, as shown.

72,756. CHANDELIER. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,166. Term of patent 3½ years.



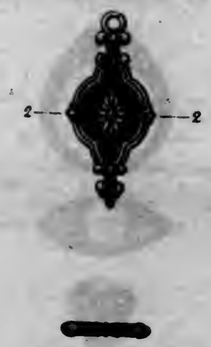
The ornamental design for a chandelier, as shown.

72,757. BRIDGE-LAMP ARM OR SIMILAR ARTICLE. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 18, 1927. Serial No. 21,189. Term of patent 3½ years.



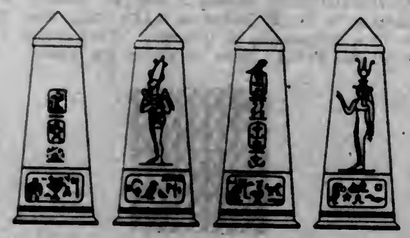
The ornamental design for a bridge lamp arm or similar article, as shown.

72,758. PENDANT FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 26, 1927. Serial No. 21,364. Term of patent 3½ years.



The ornamental design for a pendant for lighting fixtures, as shown.

72,759. BOX OR SIMILAR CONTAINER. RUBY T. BREWSTER, New York, N. Y. Filed Mar. 18, 1927. Serial No. 21,187. Term of patent 3½ years.



The ornamental design for a box or similar container, as shown.

72,760. TEXTILE FABRIC. JAMES H. BUNTING, Clifton, N. J., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Feb. 14, 1927. Serial No. 20,733. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

72,761. ARM FOR LIGHTING FIXTURES. LE ROY A. CRUMLEY, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 11, 1927. Serial No. 21,101. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures as shown.

72,762. LIGHTING-FIXTURE PLATE. LE ROY A. CRUMLEY, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,175. Term of patent 3½ years.



The ornamental design for a lighting fixture plate as shown.

72,763. PLATE. OLIVE W. DENNIS, Baltimore, Md., assignor to Baltimore & Ohio Railroad Company, Baltimore, Md. Filed Dec. 7, 1926. Serial No. 19,951. Term of patent 14 years.



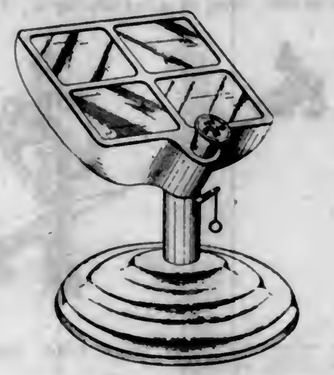
The ornamental design for a plate as shown.

72,764. BADGE OR SIMILAR ARTICLE. BERNARD J. DE PASSE, New York, N. Y. Filed Oct. 23, 1924. Serial No. 11,167. Term of patent 14 years.



The ornamental design for a badge or similar article as shown.

72,765. COMBINED CIGAR LIGHTER AND ADVERTISING-DISPLAY STAND. VICTOR E. EXTROM, Minneapolis, Minn. Filed Aug. 28, 1926. Serial No. 18,890. Term of patent 3½ years.



The ornamental design for a combined cigar lighter and advertising display stand, as shown.

72,766. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading under the firm name of Klebanoff and Grossman, New York, N. Y. Filed Jan. 3, 1927. Serial No. 20,262. Term of patent 3½ years.



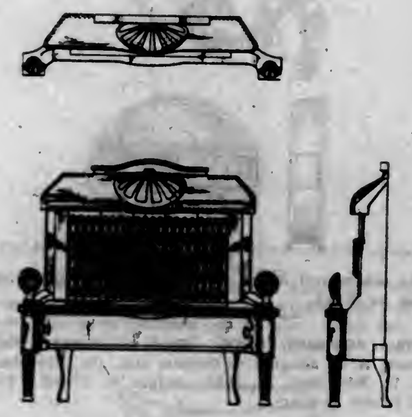
The ornamental design for a finger ring as shown.

72,767. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. ALFRED J. HEINKE, Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1926. Serial No. 19,302. Term of patent 3½ years.



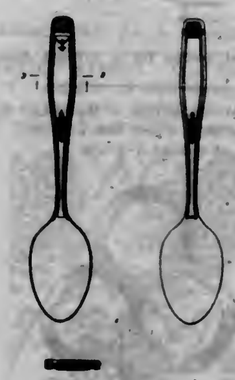
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

72,768. HEATER. STANLEY F. JACKES, St. Louis, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 11, 1927. Serial No. 21,098. Term of patent 7 years.



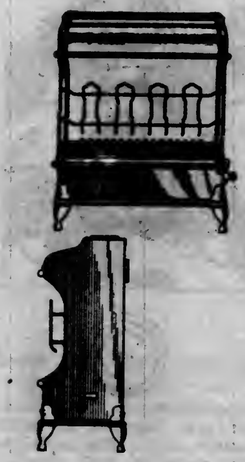
The ornamental design for a heater, substantially as shown.

72,769. SPOON. SIDNEY V. JAMES, Niagara Falls, N. Y., assignor to William A. Rogers, Ltd., Niagara Falls, N. Y., a Corporation of Ontario, Canada. Filed Mar. 24, 1927. Serial No. 21,314. Term of patent 14 years.



The ornamental design for a spoon as shown.

72,770. GAS HEATER. JOSEPH R. KING, Oklahoma City, Okla. Filed Mar. 17, 1927. Serial No. 21,177. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

72,771. GLASS JAR. WALTER VAIL JOHNSTON, Milwaukee, Wis. Filed Dec. 24, 1926. Serial No. 20,142. Term of patent 7 years.



The ornamental design for a glass jar as shown.

72,763. PLATE. OLIVE W. DENNIS, Baltimore, Md., assignor to Baltimore & Ohio Railroad Company, Baltimore, Md. Filed Dec. 7, 1926. Serial No. 19,951. Term of patent 14 years.



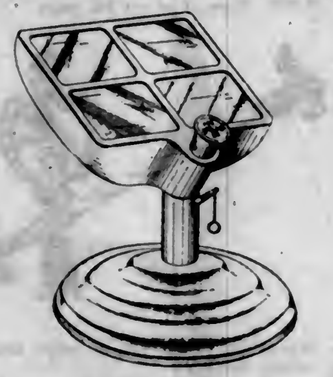
The ornamental design for a plate as shown.

72,764. BADGE OR SIMILAR ARTICLE. BERNARD J. DE PASSE, New York, N. Y. Filed Oct. 23, 1924. Serial No. 11,167. Term of patent 14 years.



The ornamental design for a badge or similar article as shown.

72,765. COMBINED CIGAR LIGHTER AND ADVERTISING-DISPLAY STAND. VICTOR E. EXTROM, Minneapolis, Minn. Filed Aug. 28, 1926. Serial No. 18,890. Term of patent 3½ years.



The ornamental design for a combined cigar lighter and advertising display stand, as shown.

72,766. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading under the firm name of Klebanoff and Grossman, New York, N. Y. Filed Jan. 3, 1927. Serial No. 20,262. Term of patent 3½ years.



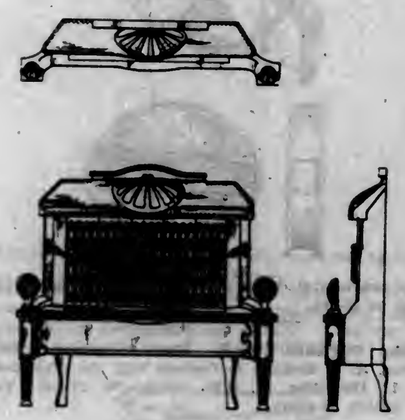
The ornamental design for a finger ring as shown.

72,767. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. ALFRED J. HEINKE, Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1926. Serial No. 19,302. Term of patent 3½ years.



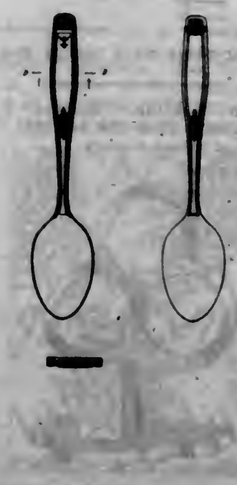
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

72,768. HEATER. STANLEY F. JACKES, St. Louis, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 11, 1927. Serial No. 21,098. Term of patent 7 years.



The ornamental design for a heater, substantially as shown.

72,769. SPOON. SIDNEY V. JAMES, Niagara Falls, N. Y., assignor to William A. Rogers, Ltd., Niagara Falls, N. Y., a Corporation of Ontario, Canada. Filed Mar. 24, 1927. Serial No. 21,314. Term of patent 14 years.



The ornamental design for a spoon as shown.

72,770. GAS HEATER. JOSEPH R. KING, Oklahoma City, Okla. Filed Mar. 17, 1927. Serial No. 21,177. Term of patent 7 years.



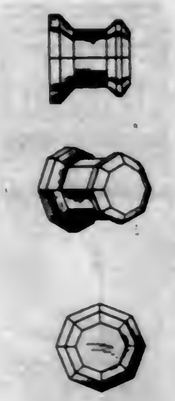
The ornamental design for a gas heater, as shown.

72,771. GLASS JAR. WALTER VAIL JOHNSTON, Milwaukee, Wis. Filed Dec. 24, 1926. Serial No. 20,142. Term of patent 7 years.



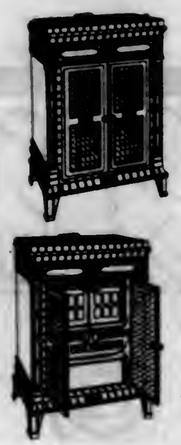
The ornamental design for a glass jar as shown.

72,772. KNOB. ALLEN F. KIPPER, Los Angeles, Calif., assignor to Rite Hardware Company, Los Angeles, Calif., a Partnership consisting of Preston S. Wright and Harold H. Tilton. Filed Sept. 18, 1926. Serial No. 19,108. Term of patent 14 years.



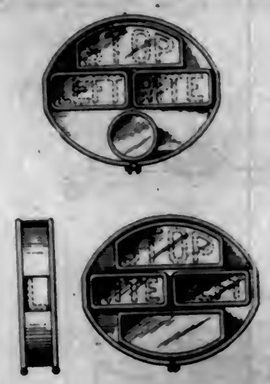
The ornamental design for a knob as shown.

72,773. HEATER. MAX R. LEHMAN, Quincy, Ill., assignor to Orbon Stove Co., Belleville, Ill., a Corporation of Illinois. Filed Mar. 30, 1927. Serial No. 21,402. Term of patent 3½ years.



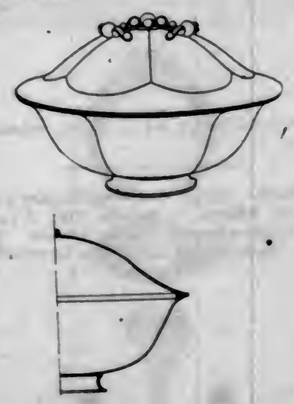
The ornamental design for a heater, substantially as shown.

72,774. AUTOMOBILE SIGNAL-LAMP CASING. THOMAS LONEY, Oakland, Calif. Filed Oct. 17, 1924. Serial No. 11,096. Term of patent 14 years.



The ornamental design for an automobile signal lamp casing as shown.

72,775. COVERED DISH. ERIK MAGNUSSEN, Providence, R. I., assignor to Gorham Mfg. Co., Providence, R. I. Filed Mar. 21, 1927. Serial No. 21,245. Term of patent 14 years.



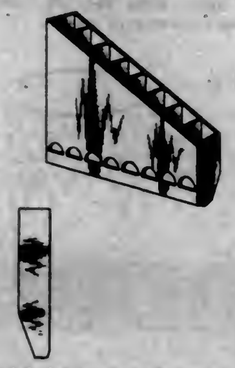
The ornamental design for a covered dish, as shown.

72,776. MATCH HOLDER. RUSSELL T. MANNING, Minneapolis, Minn. Filed Feb. 4, 1927. Serial No. 20,616. Term of patent 7 years.



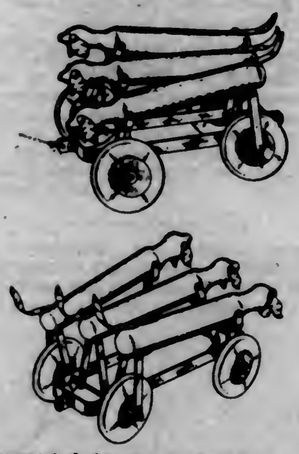
The ornamental design for a match holder, as shown.

72,777. CANDY CONFECTION. HUBERT A. MYERS, Toledo, Ohio. Filed Nov. 5, 1925. Serial No. 15,353. Term of patent 3½ years.



The ornamental design for a candy confection as shown.

72,778. WHEELED TOY. CHARLES HAMILTON PAJEAU, Glencoe, Ill., assignor to The Toy Tinkers, Inc., Evanston, Ill., a Corporation of Illinois. Filed Oct. 22, 1926. Serial No. 19,449. Term of patent 14 years.



The ornamental design for a wheeled toy as shown.

72,779. TEXTILE FABRIC. MAX ROTHSCHILD, New York, N. Y., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Feb. 14, 1927. Serial No. 20,739. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

72,780. TEXTILE FABRIC. MAX ROTHSCHILD, New York, N. Y., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Feb. 14, 1927. Serial No. 20,740. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

72,781. FINGER RING. SAMUEL SKALETZKY, New York, N. Y., assignor to Skaletzky Bros. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 24, 1927. Serial No. 21,819. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

72,782. DOLL. EDITH H. UFFORD, Salina, Kans. Filed Dec. 3, 1926. Serial No. 19,913. Term of patent 3½ years.



The ornamental design for a doll, as shown.

72,783. TUMBLER OR ARTICLE OF SIMILAR NATURE. OREN CLAY BUELL, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Oct. 6, 1926. Serial No. 19,251. Term of patent 14 years.



The ornamental design for a tumbler or article of similar nature, as shown.

72,784. TUMBLER OR ARTICLE OF SIMILAR NATURE. OREN CLAY BUELL, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 23, 1926. Serial No. 20,125. Term of patent 14 years.



The ornamental design for a tumbler or article of similar nature, as shown, and described.

PATENTS

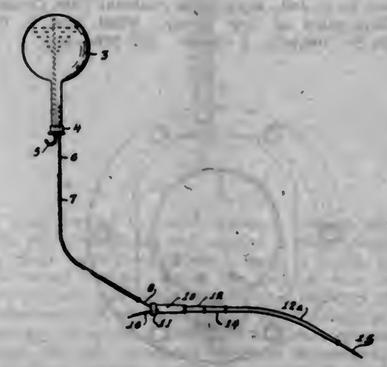
GRANTED MAY 31, 1927.

1,630,247. MEANS FOR DETERMINING COLOR COMBINATIONS. HAZEL H. ADLER, New York, N. Y. Filed Sept. 8, 1922. Serial No. 586,820. 17 Claims. (Cl. 88—14.)



3. A device of the character described comprising a plurality of rows of color indicating areas corresponding to the color sequence of a spectrum, each row including one entire range of the spectrum colors followed by a considerable part of a second identical range in the same order the colors in each row being arranged in sequence according to the notes of a musical scale and the color area for each color in each row differing in tone or pitch from the corresponding color area in the other rows, said rows being so arranged that the different pitches or tones for each color are disposed in alinement in graduated relation, and means settable at any selected color in any row for thereby selecting from any of said rows three-color harmonious color combinations of which the selected color forms an element corresponding to harmonious musical combinations.

1,630,248. METHOD AND MEANS FOR BLOOD TRANSFUSION. NARCISO COSIO AGUILAR, Mexico City, Mexico. Filed June 23, 1926, Serial No. 118,028, and in Mexico Aug. 14, 1925. 3 Claims. (Cl. 128—214.)



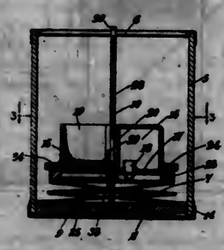
1. In an apparatus of the class described, a portable receptacle subject to change in elevation, a flexible tube leading from said receptacle, an elongated hollow member providing a mixture chamber, a second tube leading from said flexible tube into said hollow member in a direction approximately parallel to the longitudinal axis of said elongated hollow member, a hollow donor needle extending into said chamber in the same general direction in which the second tube enters said chamber, a mixture conveying tube leading from the elongated hollow member at the end opposed to that at which said second tube and needle enter, and a recipient needle continuing from said mixture conveying tube.

1,630,249. GOLF-CLUB SHAFT. JOHN F. BABBITT, Louisville, Ky., assignor to J. V. Pilcher, Louisville, Ky. Filed Feb. 3, 1927. Serial No. 165,730. 8 Claims. (Cl. 273—81.)



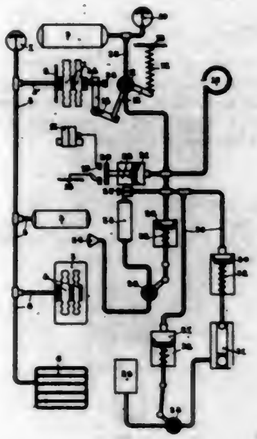
1. A golf club shaft having a wrapping of flexible material and ferrules compressed upon said wrapping at opposite ends thereof.

1,630,250. VOICE MECHANISM. LOUIS V. ARONSON, Newark, N. J., assignor to Voices Incorporated, a Corporation of Delaware. Filed May 28, 1924. Serial No. 716,344. 20 Claims. (Cl. 46—46.)



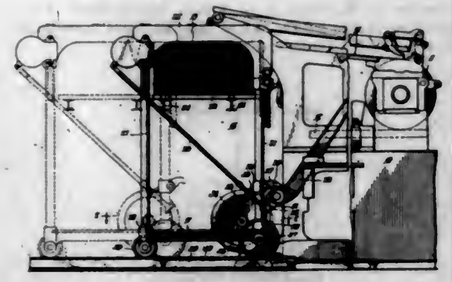
5. A sound producing device comprising a post, a weight supported by and mounted upon the post freely slidable therealong, a sound producing element carried by the weight extending longitudinally in a direction transverse to the length of the post, and means whereby sliding movement of the weight along the post will produce interrupted sound of the sound producing element.

1,630,251. FIRE-EXTINGUISHING AND LIKE APPARATUS. EMILE JOSEPH BÉCHARD, Levallois-Perret, France. Filed June 16, 1924, Serial No. 720,461, and in France July 21, 1923. 7 Claims. (Cl. 169—2.)



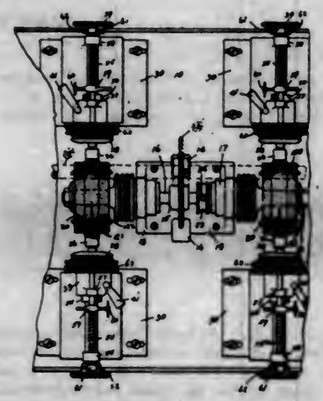
1. An apparatus for use on flying machines including a reservoir consisting of a plurality of expansible elements, devices capable of being placed in the crank case of the motor of the machine and in the gasoline tank thereof and adapted to be acted upon, respectively, by variations in temperature and pressure, means establishing communication between said devices and said reservoir, a tank for containing fluid under pressure, a valve controlling the outflow of the fluid from said tank, means operated by the expansion of the elements of said reservoir for actuating said valve, and fire extinguishing mechanism operated by the release of fluid from said tank.

1,630,252. PRINTING PRESS. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1924. Serial No. 710,759. 6 Claims. (Cl. 271—8.)



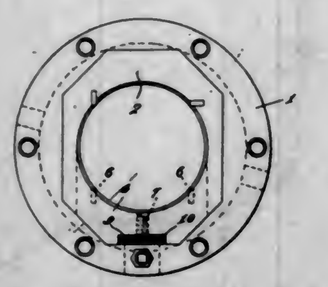
1. In a printing press, the combination of a main frame, a printing couple carried thereby, a feeder pile frame, a pile platform carried thereby, said feeder pile frame with its pile platform as a unit being bodily movable entirely away from said main frame in a direction longitudinally with respect to said main frame to render parts accessible for "make ready", and power mechanism for moving said feeder pile frame.

1,630,253. MACHINE FOR GRINDING LENSES. LUCIAN W. BUGHER, Indianapolis, Ind., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 6, 1924. Serial No. 742,000. 1 Claim. (Cl. 51—105.)



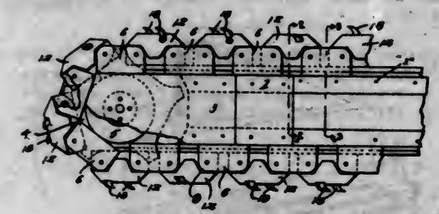
A machine for grinding lenses including a rotary grinder, a lens holding spindle arranged to hold the lens against the grinder, a lens block on one end of the spindle, means for rotating the spindle, a collar on the spindle near the lens block, a frame having a bearing for the outer portion of the spindle, a split housing on said frame, a bearing sleeve in said housing having a rack on the underside thereof and in which the inner portion of the spindle is rotatably mounted, means engaging the rack for longitudinally moving the sleeve when the housing is not clamped, whereby the sleeve may be moved inward against the collar in order to move the spindle to working position preliminary to the grinding operation and withdrawn after the grinding operation, means for clamping the housing, and yielding means for urging the spindle towards the grinder.

1,630,254. TAPPING-MACHINE CHUCK. ALFRED BURGE, Gary, Ind., assignor to National Tube Company, a Corporation of New Jersey. Filed Apr. 7, 1926. Serial No. 100,444. 2 Claims. (Cl. 279—44.)



1. A device of the class described comprising a support, a gripper removably seated in the support and having an opening therein, a block or section movably arranged in said opening and having a curved inner portion which forms a movable wall for the gripper, an eccentric for moving the block or section and means for adjusting the extent of movement of the block by the eccentric.

1,630,255. CUTTING APPARATUS FOR MINING MACHINES. JAMES CAMERON, Henryetta, Okla. Filed Nov. 6, 1925. Serial No. 67,373. 3 Claims. (Cl 262—33.)



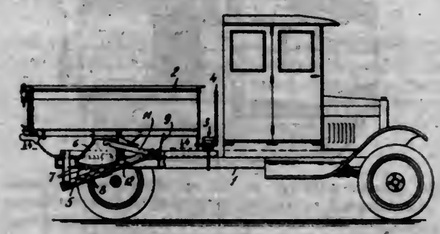
1. In a cutting apparatus including a chain structure strap plates forming links in the chain structure and arranged in pairs, each member of each pair having inwardly disposed flanges, rivets connecting the members of the pairs together, spacing sleeves located upon the rivets, and pick carrying blocks having openings receiving the spacing sleeves.

1,630,256. PUMP. THOMAS D. CLEAGE, St. Louis, Mo., and WASHINGTON S. SMITH and JAMES R. MURRAY, Tulsa, Okla. Filed Jan. 21, 1924. Serial No. 687,499. 1 Claim. (Cl. 103—179.)



A pump having an outer casing, a plunger arranged within said outer casing and adapted to reciprocate therein, a check valve through which liquid is drawn by said reciprocatory plunger, means for packing said reciprocatory plunger, said means comprising a plurality of compressible members surrounding said reciprocatory plunger, a plurality of members associated with said compressible member, the last mentioned members surrounding said reciprocatory plunger and being formed of a material which is capable of polishing said reciprocatory plunger, a pair of members between which said compressible members and said polishing members are interposed, and a plurality of polishing members surrounding said reciprocatory plunger at points below the compressible members and the associated polishing members, the last mentioned polishing members and the polishing members associated with said compressible members being adapted to prevent the adhesion of gypsum to said reciprocatory plunger.

1,630,257. VEHICLE DUMPING MECHANISM. EDWARD A. DEWALD, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a Corporation of Delaware. Filed July 3, 1924. Serial No. 723,914. 4 Claims. (Cl. 298—10.)



1. Vehicle dumping-mechanism of the class described, comprising a dump-body, a vehicle frame having a cross-bar located near the rear end of the dump-body and well to the rear of the vehicle axle, means on the vehicle frame for supporting said dump-body including steep downwardly and rearwardly sloping tracks, said tracks having thereon a plurality of pivot-sockets located a substantial distance below the vehicle frame, and feet on the dump-body extending a substantial distance below the body and provided with sectors for coacting with said tracks, said sectors having their front ends substantially the same vertical distance from the dump-body as their rear ends and having pivots on their peripheries for successively fitting into said pivot sockets.

1,630,258. EYEGLASS AND SPECTACLE FRAME. EDGAR R. DUBOIS, Newark, N. J., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 16, 1924. Serial No. 732,402. 3 Claims. (Cl. 88—43.)

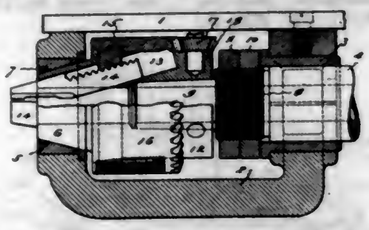


1. An eye-glass or spectacle frame of xylonite in which the bridge and the connections between the opposite ends of which and the rims are reinforced by means of a plurality of wires extending longitudinally within and through the said bridge and through adjacent portions of the rims, the end portions of the wires upon the inner sides of said rims being bent in opposite directions and seated within grooves in the said rims.

1,630,259. CHUCK. GUSTAF A. ENGLUND, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 27, 1925. Serial No. 52,819. 3 Claims. (Cl. 279—1.)

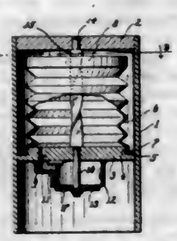
1. A chucking means comprising a frame having axially aligned bores, a bushing with a cylindrical opening located in one bore, a bushing with a tapering opening located in the other bore, a spindle rotatable fitted in the former bushing, a chuck body removably connected with the spindle, said body having a tapering nose rota-

tably fitted in the tapering bushing, jaws movable in the body, means located on the chuck body between said bushings for opening and closing said jaws, and means



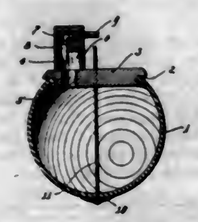
on the spindle adjacent to the spindle-supporting bushing and adapted to engage said bushing for adjusting the position of said tapering nose in the tapering bushing.

1,630,260. TALKING TOY MECHANISM. FRED EVANS, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated, a Corporation of Delaware. Filed Mar. 21, 1923. Serial No. 626,496. 13 Claims. (Cl. 46—46.)



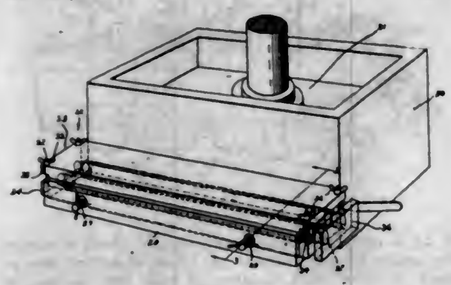
10. A sound producing device having in combination, a weighty head and a fixed head, a tubular bellows connecting said heads and adapted to be operated by gravity by said weighty head, a sound reed operated by the bellows, means having an opening through which the sound from the reed is adapted to issue, a valve rotatably and slidably mounted with respect to said opening, and means including a cam member cooperating with said weighty head to automatically cause rotation of the valve to control the issuance of sound from said sound opening responsive to the operation of the bellows.

1,630,261. TALKING TOY MECHANISM. FRED EVANS, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated, a Corporation of Delaware. Filed Mar. 22, 1923. Serial No. 626,782. 12 Claims. (Cl. 46—46.)



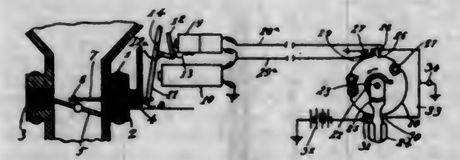
11. In a device of the class described, the combination of a collapsible air chamber, a sound device operatively connected therewith and operated thereby, and means for controlling the sound from said sound device, said last mentioned means comprising a member of flexible material having an opening therethrough, through which opening the sound is adapted to issue from the sound device, and means for causing said opening to be restricted by bringing the sides of the opening together to control the issuance of sound therethrough, said last mentioned means being operated by the operation of said air chamber.

1,630,262. PROCESS OF MAKING OPHTHALMIC BLANKS. FRANK FRASER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 16, 1924. Serial No. 726,324. 6 Claims. (Cl. 18—55.)



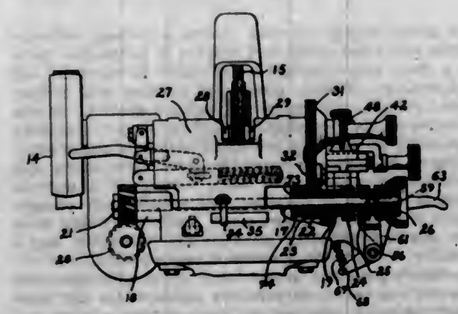
1. The process of forming a master blank of the character described, consisting of forcing a plastic cellulose composition material into a mold, and then applying pressure to the mold to thoroughly compress the cellulose composition material.

1,630,263. LOCKING-DEVICE CONTROL. EDWIN L. GRAUEL, Cincinnati, Ohio, assignor to The Graulock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 6, 1923. Serial No. 661,276. 16 Claims. (Cl. 70—50.)



1. In combination with an operation inhibiting mechanism, of electro-magnetic means controlling the same, and comprising a plurality of electro-magnets, armatures for said magnets, and inter-related locking mechanism between said armatures, said locking mechanism being arranged to require operation of one armature to set the device, and subsequent operation of the other to release the inhibiting mechanism.

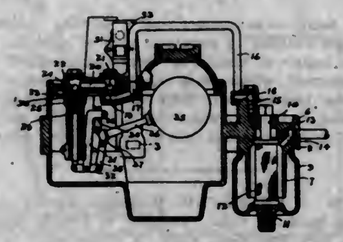
1,630,264. EDGING MACHINE. WILLIAM A. GUNNING, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed June 15, 1925. Serial No. 37,205. 5 Claims. (Cl. 51—101.)



1. In a machine of the character described, a base member, a shaft in the base member, a lens carriage pivotally mounted on said shaft, lens clamping shafts

contained within said carriage, a support secured to said base member, means carried by said support for moving said carriage about its pivot, and means also carried by said support and cooperating with said first named shaft whereby to start or stop the rotation of the said clamping shafts.

1,630,265. OIL-FEED CONTROL FOR OIL BURNERS. ARTHUR P. HOLDEN, PHILIP MORGAN, and SAMUEL ROLFE WILLIAMS, Toronto, Ontario, Canada. Filed Sept. 23, 1926. Serial No. 137,358. 5 Claims. (Cl. 158—36.3.)



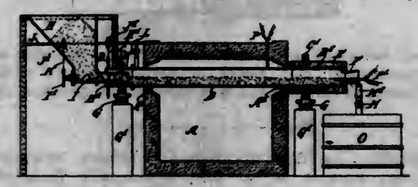
1. In an oil feed control for oil burners, the combination with an oil supply and a pump and means for regulating the flow of oil from the pump to the burner, of a reservoir adapted to receive the excess discharge from the pump, an oil passage connected with the main supply and leading to the intake of the oil pump, a free check valve in said passage adapted to close the inflow of oil to the pump, a passage connected with the passage to the pump and leading into the reservoir, a valve separate from said check valve adapted to close the passage from the reservoir to the pump and concurrently open the check valve and adapted to permit the closing of the check valve upon being opened, and float controlled means for operating the latter valve.

1,630,266. BRAIDING CARRIER. HENRY JANSSEN, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1926. Serial No. 96,123. 3 Claims. (Cl. 96—14.)



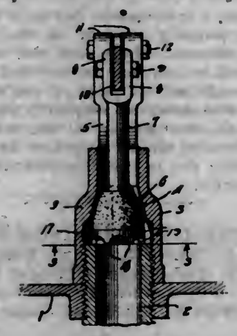
1. A braiding carrier comprising a base portion having a tubular standard, a bobbin non-rotataly mounted upon said fixed standard and provided with a locking head, and a combined thread take off and tensioning unit rotatable on the axis of the standard, said unit comprising a casing rotatable in said standard and having an upwardly extending portion provided with an axially arranged take-off eye and a pivoting bracket, a thread-guiding locking arm pivoted to said bracket, and an axially arranged thread tensioning device in said casing adapted to release said locking arm, the latter being normally pressed into engagement with the bobbin locking head by the tensioned thread.

1,630,267. METHOD AND APPARATUS FOR QUENCHING LITHOPONE. AUGUST SONNIN KREBS, Wilmington, Del., assignor to The Kreba Pigment & Chemical Company, Newport, Del., a Corporation of Delaware. Filed June 29, 1923. Serial No. 648,431. 5 Claims. (Cl. 134—78.)



1. The method of quenching calcined lithopone which consists in feeding the hot lithopone in a continuous fine stream into a running stream of water and continuously conveying the quenched lithopone to a settling tank by means of said running stream.

1,630,268. AUTOMATIC VALVE FOR WATER TANKS. OTTO LINSTADT, Madison, Nebr. Filed Nov. 9, 1926. Serial No. 147,336. 3 Claims. (Cl. 137—104.)

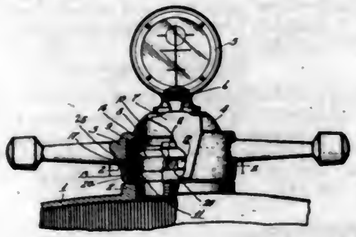


1. In an automatic valve for water tanks, the combination of a threaded valve casing, an inflow water pipe on which said valve casing is threaded, an upstanding and offset arm integral with the valve casing, a rod having one end pivotally affixed to said arm, a float connected with the free end of the arm, a valve stem pivotally connected with an intermediate portion of the rod, a resilient valve mounted on the valve stem and adapted to seat in the valve seat of the valve casing, and a head affixed to the lower end of the valve stem and bearing against the valve, said head having spaced lugs adapted to rest on the upper end of the inflow water pipe when the valve is unseated.

1,630,269. LOCKING CAP FOR RADIATORS. ALOYSIUS C. LIPPERT, Kenosha, Wis., assignor, by direct and mesne assignments, to The Norlipp Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1924. Serial No. 704,835. 8 Claims. (Cl. 220—24.)

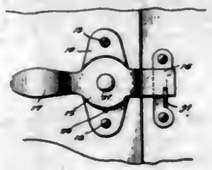
1. The combination of a collar member having means for attachment to the radiatorneck and having a circumferential groove provided with an abutment, a cap adapted

to loosely fit over said collar member and having an annular groove and an internal recess arranged to oppose the annular groove in said internal collar member, and



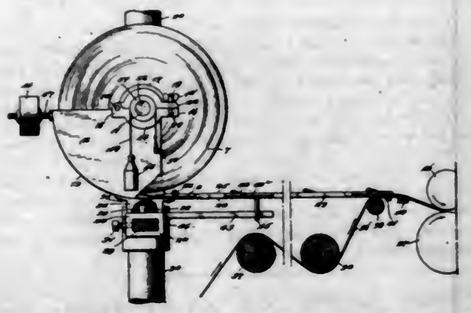
means contained in said grooves and cooperating with said abutment and said recess to permit relative turning movement of said cap and said collar in one direction only.

1,630,270. LATCH. RAYMOND G. MOORE, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 14, 1924. Serial No. 692,635. 5 Claims. (Cl. 292—228.)



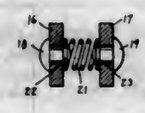
1. In a latch, a base member having a slot opening, a lever member pivotally mounted on said base member, and a spring disposed within said base member having one end secured to said base member and the other end extending through said slot opening and secured to said lever member said spring end adapted by abutment against one end of said slot opening to determine the normal operative position of said lever member and by abutment against the other end to limit the effective movement of said lever member.

1,630,271. METHOD AND MECHANISM FOR MARKING MATERIALS. HAROLD B. MOWRY, Sterling, Conn., assignor to The United States Finishing Company, New York, N. Y., a Corporation of Connecticut. Filed Apr. 18, 1923. Serial No. 632,815. 9 Claims. (Cl. 41—7.)



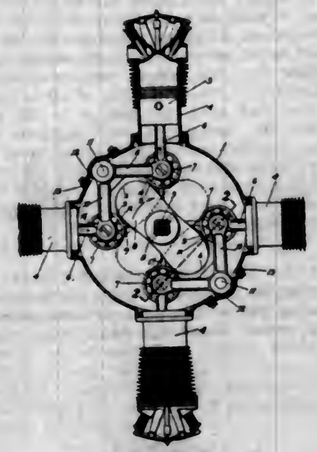
1. A device of the character described comprising in combination, a support for a roll of tape-like material, said support having a delivery end through which the tape-like material may be withdrawn and mountings for the support whereby the support and delivery end thereof may be laterally shifted and the delivery end elevated or depressed.

1,630,272. ELECTRIC CONNECTING SOCKET. FREDERICK W. C. NEUNER, Connersville, Ind., assignor, by mesne assignments, to Indiana Lamp Corporation, Connersville, Ind., a Corporation of Delaware. Filed Feb. 26, 1923. Serial No. 621,247. 6 Claims. (Cl. 173—328.)



1. A lamp socket comprising a tubular shell open at both ends adapted to receive a pair of electrical fixtures therein, a pair of insulating disks spaced apart and slidably mounted within said shell, and a contact spring positioned between said disks having the ends thereof so positioned as to make electrical contact with said fixtures and yieldingly maintain said disks in spaced relation.

1,630,273. DUPLEX-CAM MOTOR. HENRY A. NORDWICK, Stockton, Calif., assignor to Duplex Motor Company, San Francisco, Calif., a Corporation of Nevada. Filed June 17, 1926. Serial No. 116,559. 5 Claims. (Cl. 123—197.)

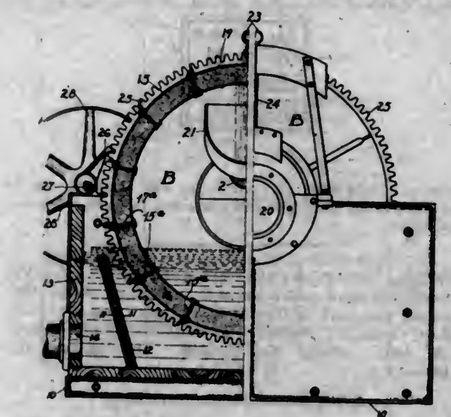


4. In an internal combustion engine, a shaft, a pair of cylinders disposed radially of the shaft at an angle to each other, pistons in the cylinders, connecting rods pivoted in the pistons, rollers on the outer ends of the rods, means rigidly connecting said rollers together to cause them to oscillate radially of the shaft during their strokes in reverse directions, and a cam for each roller to allow of four strokes of the same with each revolution of the shaft, said cam being generated with respect to the movement of the other roller on its cam as to cause said rollers to bear equally on their cams at any positions of the cams and rollers.

1,630,274. WATER FILTER. RAY A. NORTH, Green Bay, Wis. Filed Apr. 20, 1923. Serial No. 633,416. 1 Claim. (Cl. 210—201.)

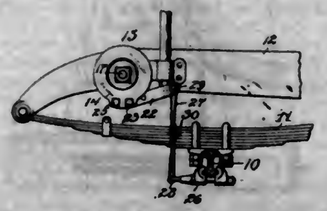
A water filter, comprising a reservoir, a hollow revoluble drum supported in the reservoir and having widely spaced outer and inner annular sectional walls, each wall including superimposed double sections, the outermost sections being formed with relatively large perforations and the innermost sections being of fine wire mesh, radially disposed longitudinally extending

partitions between the sections to form independent non-communicating pockets between the walls, the pockets being inset relative to the outer periphery of the drum, filtering material entirely filling the pockets, an inlet



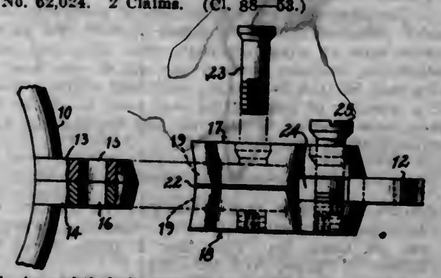
conveyor opening into the drum axially thereof at one end of the same, and an inclined imperforate chute supported within the drum and having its discharge end opening through the other end of the drum above its axis.

1,630,275. SHOCK ABSORBER. FREDERICK A. RUFF, Belleville, N. J. Filed Sept. 11, 1926. Serial No. 134,789. 2 Claims. (Cl. 267—63.)



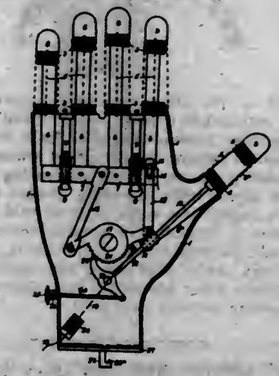
1. A shock absorber for springs comprising a casing with an annular channel on the outside, an elastic ring in the channel, a band encircling the ring and secured at one end to the casing, a lever secured at one end to the casing and near said end secured to the other end of the band, and a strand secured to the free end of the lever.

1,630,276. OPHTHALMIC MOUNTING. HARRY A. SANGREN, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 12, 1925. Serial No. 62,024. 2 Claims. (Cl. 88—53.)



1. An ophthalmic mounting comprising a split frame having offset end pieces with aligned openings therethrough, a pair of separated members having recesses to fit over the respective end pieces, openings to align with the openings in the end pieces, recesses to receive the end of a temple and openings communicating with the temple recesses, holding means through the end piece openings to hold the separated members and the end pieces together, and holding means through the openings communicating with the temple recesses to pivotally hold the temple in the temple recesses.

1,630,277. MECHANICAL DETACHABLE HAND AND FOREARM. JAMES SMITH, Edinburgh, Scotland. Filed Oct. 6, 1926, Serial No. 139,821, and in Great Britain Sept. 23, 1926. 4 Claims. (Cl. 3—12.)



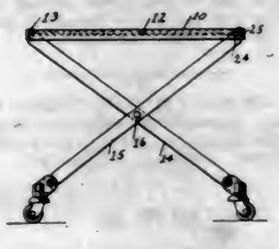
1. In an artificial hand comprising a palm plate with spiral spring fingers and thumb, flexible wires connected to each finger and thumb, flat springs projecting within each finger and thumb and operated by a movable plate through a pivoted ratchet sector, the combination therewith of movable transverse members between which the flat springs of the fingers are clamped, means for absorbing shock in connection with the movable transverse members, means for operating the thumb from the transverse members, and means for detachably and rotatably connecting and locking the hand to an artificial fore-arm, substantially as set forth.

1,630,278. NOZZLE FOR ATOMIZERS. JACOB STEISS, New York, N. Y., assignor to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 25, 1924. Serial No. 728,229. 4 Claims. (Cl. 299—120.)



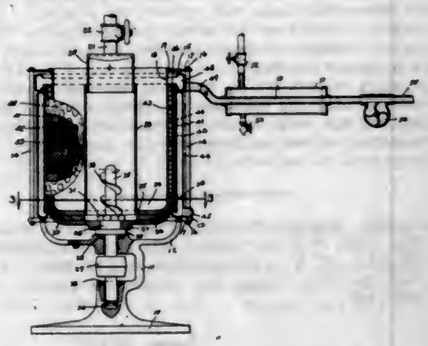
1. In a nozzle for atomisers, the combination of a tapered head at the end of a tube, a correspondingly tapered cap having a discharge orifice and screw-threads, a nut swiveled on the head and adapted to engage the threads of the cap to force it on the head, and an inwardly opening frusto-conical shell disposed within said cap and corresponding in taper therewith, the shell being of larger diameter at its closed end than the outer end of the cap, whereby the shell is forced into water tight engagement with the cap when liquid is forced against the inner side of the shell, and the closed ends of said shell and cap being in spaced relation to provide a whirl chamber, said shell having, in its closed end an opening which is closed in a direction parallel to the axis of the nozzle and shell and is tangential to the wall of said whirl chamber.

1,630,279. ROLLING TUB STAND. HOWARD T. STROOP, AUGUST F. HAUSER, and JULIUS HAMMER, Peoria, Ill. Filed Nov. 22, 1923. Serial No. 676,234. 1 Claim. (Cl. 280—43.)



A device of the class described, comprising two cooperating collapsible frames, each formed of two legs pivoted together intermediate their ends, rollers on said legs adapted to support the device for rolling in collapsed and extended positions, a platform having two opposite edges, and downwardly extending flanges at said edges adapted to engage the upper ends of said legs in abutting relation to thereby maintain the device in extended position, said platform being provided with two elongated slots adjacent one of said edges, two corresponding legs of said frames being pivoted to said platform by means of pins passing through said slots.

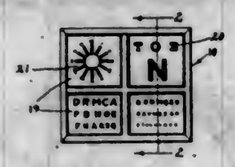
1,630,280. DEHYDRATOR FOR CLAY SLIPS. JACOB P. TETER, Indianapolis, Ind. Filed Apr. 19, 1924. Serial No. 707,789. 2 Claims. (Cl. 210—69.)



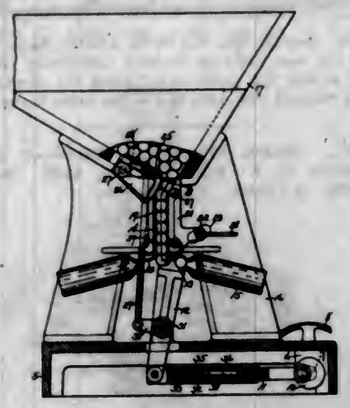
1. A dehydrator comprising a rotatable annular filtering wall, a second and stationary wall in spaced relation therewith forming an annular channel therebetween, means on the second wall for causing longitudinal or axial movement of the filtered solids, an annular receiver adjacent the top of the filtering wall into which the solids are discharged by said means, a pair of bowls beneath said walls and in spaced relation with each other forming a channel communicting with the first mentioned annular channel, means for supplying filtering material to said bowl channel, and means for rotating said bowls and said rotating wall for dehydrating said material.

1,630,281. EYE-TESTING CABINET. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 12, 1925. Serial No. 62,020. 2 Claims. (Cl. 88—20.)

1. In an eye testing cabinet, a box having a translucent side having test characters thereon and a reflective covering on the inside walls of the box except on the translucent side, a source of light between the translucent side and the side of the box opposite thereto, and a screen between the light and the translucent side whereby the direct rays from the light are screened from the translucent side.



1,630,282. HEAT-BRANDING MACHINE. ANTON VAN VERN, Hartford, and GEORGE F. MATTESON, Rocky Hill, Conn., assignors to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 18, 1924. Serial No. 738,492. 18 Claims. (Cl. 101—11.)



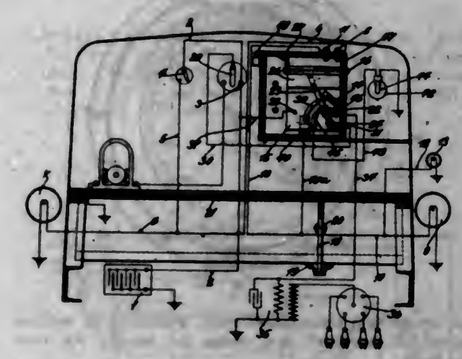
1. A branding machine comprising a hopper for supplying articles to be branded, a plurality of branding irons, and a carrier to receive said articles and present them alternately to the action of said branding irons.

1,630,283. PROCESS FOR PRODUCTION OF PHOSPHORIC ACID. WILLIAM H. WAGGAMAN and HENRY W. EASTERWOOD, Chicago Heights, Ill., assignors to Victor Chemical Works, Chicago, Ill., a Corporation of Illinois. Filed Jan. 23, 1924. Serial No. 687,931. 4 Claims. (Cl. 23—165.)

1. The process for the production of phosphoric acid which comprises heating by means of solid fuel an extended mass of mixed phosphate rock, silica and coke, introducing oxidizing gases at one end of said mass to burn said fuel and introducing additional oxidizing gases at a plurality of points along said mass to oxidize the phosphorus evolved by the reactions between the constituents of the charge.

1,630,284. DEVICE FOR PREVENTING THEFT OF AUTOMOBILES IN HIGHWAYS. GEORGE A. WETTENGEL, St. Louis, Mo. Filed Mar. 2, 1925. Serial No. 12,595. 6 Claims. (Cl. 177—314.)

1. In a motor vehicle, the combination with the usual ignition and lighting circuits and their respective opening and closing switches, of additional switching means arranged to be operated by the vibration of the vehicle when travelling to derange and interrupt the usual functioning of said two circuits, means normally latching said second switching means in an inoperative position, and

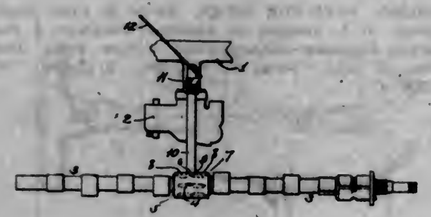


means operable by the authorized driver for releasing said latching means in the event of a holdup with intent to take the vehicle.

1,630,285. MANUFACTURE OF ARTIFICIAL SILK OR THE LIKE. JOZ OLGIERD ZDANOWICH, London, England. Filed Aug. 12, 1926, Serial No. 128,916, and in Great Britain May 6, 1925. 2 Claims. (Cl. 18—54.)

1. The process which consists in the extrusion of a directly spinnable acetylated solution of cellulose acetate into a coagulating bath, winding of the forming filament under substantially no tension and completing the formation of the filament with spontaneous slight increase of tension.

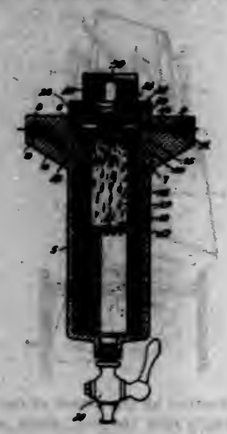
1,630,286. ATTACHMENT FOR GAS ENGINES. WILLIAM H. ALLEMAN, Ingalls, Mich. Filed July 2, 1926. Serial No. 120,180. 4 Claims. (Cl. 123—124.)



1. An attachment for explosive engines comprising a pipe extending from the cam shaft to the intake manifold, and means at and controlled by the cam shaft for periodically admitting air to the pipe.

1,630,287. FILTER. SAMUEL S. AMDURSKY, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Sept. 25, 1924. Serial No. 739,048. 4 Claims. (Cl. 210—165.)

1. In a device of the class described, the combination of a container having an internally threaded open end and lateral inlet and outlet passages, a filtering cartridge having threaded means for detachably supporting the same in said container end between said passages, a



closure for said container end, and means on said closure for unscrewing said threaded means and detaching said cartridge.

1,630,288. GOLF TEE. GEORGE NOEL BOLINGER, Shelbyville, Ill. Filed Oct 15, 1926. Serial No. 141,842. 2 Claims. (Cl. 273—33.)

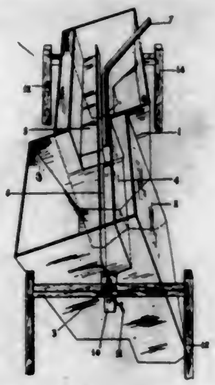


1. A device of the character described comprising a tee formed of a single piece of wire, said wire being bent at one end to form a substantially circular ball supporting ring, a shank arranged beneath said ring, an arm connected at its outer end to one end of said ring and its inner end to the upper end of said shank, the portion of said ring adjacent its point of connection with said arm being arranged substantially tangential to the circle defined by said ring, the outer end of said arm being curved upwardly adjacent its point of connection with said ring to form a loop, the free end of said ring being arranged in said loop and supported on said arm.

1,630,289. APPARATUS FOR MEASURING AND DISTRIBUTING LIQUIDS. MAURICE BOUFFART, Herstal, near Liege, Belgium. Filed Aug. 4, 1924, Serial No. 730,024, and in Germany Aug. 15, 1923. 7 Claims. (Cl. 73—28.)

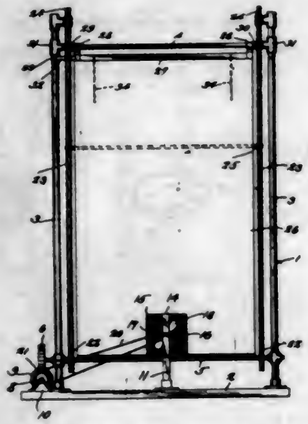
1. Apparatus for measuring and distributing liquids, comprising a unit mounted to oscillate about a horizontal axis and embodying a pair of measuring receptacles, means providing communication between said receptacles

at a predetermined level to deliver excess liquid from one to the other, and means for shifting the center of gravity of the unit automatically from one side of such axis to



the other in alternation by the action of the excess liquid so delivered so as to rock the unit about said axis first in one direction and then in the other.

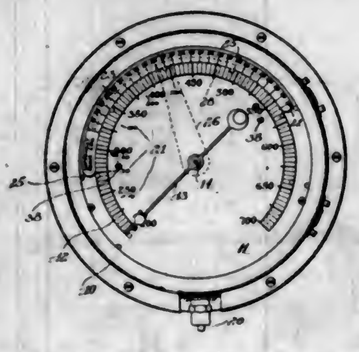
1,630,290. LEAF TURNER. LOUIS BOYD, Connellsville, Pa. Filed Nov. 1, 1926. Serial No. 145,532. 3 Claims. (Cl. 40—104.)



1. In a device of the class described, a book including a binding and leaves, means for mounting the binding for rotation about an axis, a leaf turner, means for mounting the turner for movement in an orbit about the book, means for moving the free ends of the leaves, one at a time, into the path of the turner, whereby the turner will turn the leaves backwardly and downwardly with respect to said axis, to form a pendant portion, and a projection on the book and movable against the last leaf of the book when the binding makes a partial rotation with respect to said axis, due to the weight of said pendant portion, whereby the turner will engage directly with the projection after the last leaf has been turned, and complete the rotation of the binding on said axis, thereby to restore the book to its original position.

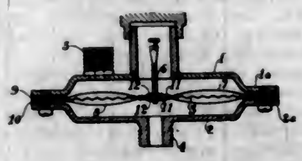
1,630,291. INDICATING INSTRUMENT. CHARLES B. CARSON, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Dec. 14, 1925. Serial No. 75,248. 2 Claims. (Cl. 73—118.)

1. In an instrument of the class described, the combination with an arcuate temperature scale, of a fixed arcuate pressure scale disposed along one side thereof, an arcuate temperature scale movable along the other



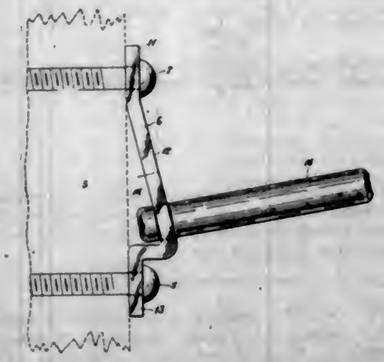
side of the said temperature scale, graduated to indicate degrees of superheat, and means for moving the movable scale.

1,630,292. SENSITIVE DIAPHRAGM FOR LIGHT PRESSURE. JAMES ELY, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed July 22, 1926. Serial No. 124,245. 3 Claims. (Cl. 137—157.)



1. In pressure-responsive devices of the diaphragm type, the combination of a diaphragm sensitive to small changes in pneumatic pressure and a shield against influences of moisture, said shield comprising a thin sheet of pliable material of the order of alum-tanned colon leather.

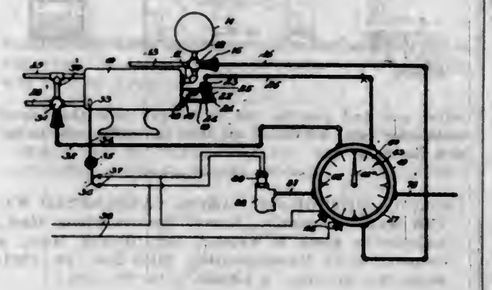
1,630,293. STEP FOR POLES. LEWIN B. FISH, Maplewood, N. J., assignor to American Telephone & Telegraph Company, a Corporation of New York. Filed Oct. 9, 1924. Serial No. 742,608. 2 Claims. (Cl. 228—47.)



1. The combination of a base-plate adapted to be permanently attached to a pole and having a declined offset central portion provided with a key-hole slot, and a

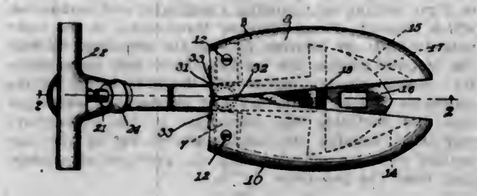
cylindrical step having detachable interlocking means near one end to co-operate with said key-hole slot so that it may be affixed to said plate in an inclined position with respect to the pole, said interlocking means being of a diameter not exceeding that of said step.

1,630,294. PROCESS-CONTROL APPARATUS. EDWARD B. FOOTE, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Mar. 5, 1924. Serial No. 697,168. 12 Claims. (Cl. 62—2.)



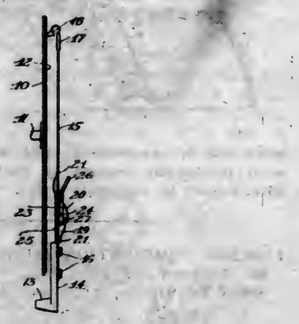
1. In apparatus of the character described, a container for material to be processed, means for discharging said material therefrom, conducting means for supplying a medium to said container for controlling the temperature of said material, a sensitive device subjected and responsive to the temperature in said container, control mechanism governed by said sensitive device and comprising rotary cam means, and operating connections actuated by said cam means for operating said discharge and supply means.

1,630,295. BOOT AND SHOE STRETCHER. CHARLES GREGORY, Denison, Tex., assignor of one-half to William Freeman, Denison, Tex. Filed May 8, 1925. Serial No. 28,931. 1 Claim. (Cl. 12—128.5.)



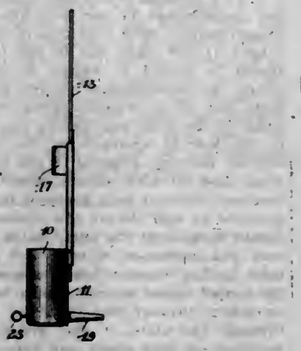
In a stretcher of the class described, a hollow body portion, an expanding member including pivoted sections connected with the hollow body portion and having grooves formed in the inner surfaces thereof; a movable expanding member operating within the grooves, a flexible member in the form of a wire extending through the hollow body portion and having connection with the expanding member, a plurality of oblong blocks slidably mounted on the flexible member, said blocks adapted to engage the inner surface of the hollow body portion to prevent rotation of the flexible member, and means at one end of the flexible member for moving the movable expanding member between sections of the expanding member.

1,630,296. RECORDER-PEN-ARM RELEASE. HENRY W. HEESCH, Rochester, N. Y., assignor to Taylor Instrument Cos., Rochester, N. Y., a Corporation of New York. Filed Dec. 26, 1923. Serial No. 682,609. 4 Claims. (Cl. 234—1.)



1. The combination with a flexible pen arm for recording instruments, of a relatively rigid piece engaging the arm at two points and a lever mounted on said piece and operable to press upon the arm portion intermediate said points to flex it out of the plane passing through said points.

1,630,297. PEN FOR RECORDING INSTRUMENTS. HENRY W. HEESCH, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 90,503. 2 Claims. (Cl. 120—43.)

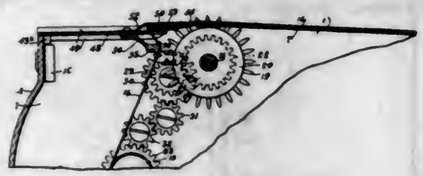


1. A pen for recording instruments comprising a reservoir having a tubular marking spout extending therefrom, the bore of said spout being open at both ends exteriorly of the reservoir and communicating at an intermediate point with the interior of the reservoir.

1,630,298. AUTOGRAPHIC REGISTER. PHILIP A. JACKSON, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed June 5, 1924. Serial No. 717,959. 15 Claims. (Cl. 281—5.)

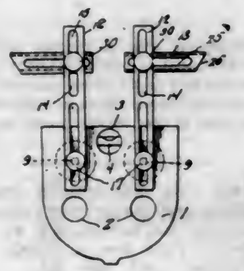
1. In an autographic register adapted to contain a record roll strip and one or more receipt strips, one of which is stored as a record, means for maintaining the record roll strip in engagement with the end of a writing table consisting of a plate carrying members attached

to its upper and under surfaces, the upper member overlapping the forward end of the writing table and the lower member extending below and rearward of the for-



ward end of the writing table with which the record strip frictionally engages to prevent it from shifting with respect to the other strips.

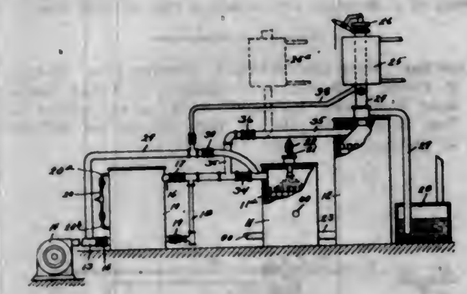
1,630,299. COMBINATION GAUGING DEVICE. MILTON M. JOHNSON, Cleburne, Tex. Filed Mar. 3, 1926. Serial No. 91,978. 2 Claims. (Cl. 33—174.)



1. In a gauging device and in combination, a body having countersinks in one side and journal apertures in communication with said countersinks, slotted wings arranged at the other side of the body, slotted wings designed to extend at angles to the first-named slotted wings, the second-named slotted wings being recessed at their rear sides, revoluble disks disposed in the countersinks of the body and having journal portions arranged in the journal apertures of the body and also having angular portions disposed in the slots of the first-named wings and threaded shanks extending from said angular portions, recessed nuts mounted on said shanks, washers mounted on said shanks and interposed betwe n the first-named wings and the nuts, coiled springs housed in the nuts and interposed between the nuts and the washers, bolts having angular heads disposed in the recesses of the second-named wings and also having threaded shanks extending through the slots of said wings and also through the slots of the first-named wings, washers mounted on said shank and arranged against the faces of the first-nam d wings, nuts mounted on the shanks and provided with recesses, and springs housed in the nuts and interposed between the washers and the nuts.

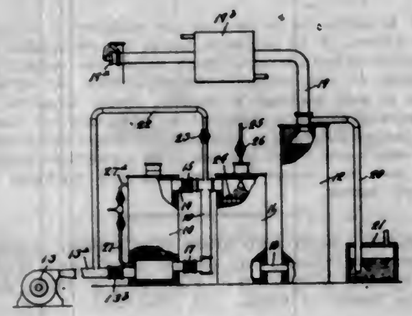
1,630,300. METHOD FOR MAKING CARBURETED WATER GAS. AUGUST C. KLEIN, Jamaica Plain, Mass., assignor to Stone & Webster, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1921. Serial No. 448,059. 3 Claims. (Cl. 48—205.)

1. The method of making carbureted water gas in a gas making set comprising a water gas generator, a carburetor and a superheater, which consists in a gas making cycle consisting of the following steps: heating a fuel bed in the generator by blasting the generator with air and excluding the blast gases from the carburetor and simultaneously passing free air into the carburetor to burn out any carbon deposited therein in a previous gas making cycle and to heat the carburetor; stopping the generator blasting and carbon burning operations and admitting steam into the heated fuel in the generator to form



water gas and passing the water gas into the heated carburetor; and admitting oil into the carburetor to enrich the water gas.

1,630,301. METHOD OF MAKING CARBURETED WATER GAS. AUGUST C. KLEIN, Jamaica Plain, Mass., assignor to Stone & Webster, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1921. Serial No. 516,230. 3 Claims. (Cl. 48—205.)

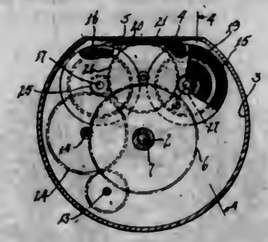


2. The method of making carbureted water gas with an oil having a substantial carbon depositing content and in a gas making set including a generator and carburetor, which consists of the following three steps, in the order named; first, air blasting fuel in the generator to heat the fuel and passing the hot blast gases into the carburetor; second, passing steam into the heated fuel in the generator to form water gas and passing the water gas into and enriching the water gas in the carburetor; and third, burning the carbon deposit out of the carburetor with air and excluding the products of combustion from the generator.

1,630,302. LOGGING DEVICE FOR RADIO TUNING INSTRUMENTS. ERIC H. LARSON, Chicago, Ill., assignor to The Logo-Dial Corporation, a Corporation of Illinois. Filed May 4, 1925. Serial No. 27,986. 2 Claims. (Cl. 40—86.)

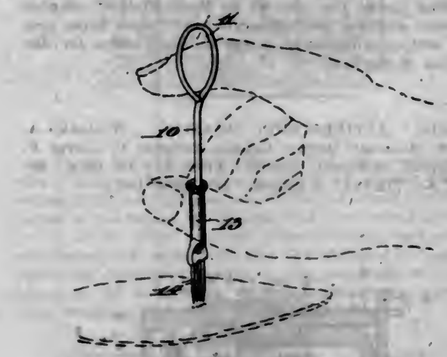
1. The combination with a rotor shaft, of a casing, a gear disposed within said casing and adapted for engagement with said rotor shaft, a manually actuated pinion in mesh with said gear for slowly rotating said rotor shaft, a pair of drums rotatably mounted within said casing, a tape having its opposite ends secured to said drums and being wound upon said drums, whereby rotation of said drums in the same direction will cause the tape to pass from one drum to the other, said casing having an aperture therethrough through which the

tape may be observed, a spring for resisting rotation of said drums in one direction, and gears connecting said drums with the shaft of said manually actuated pinion,



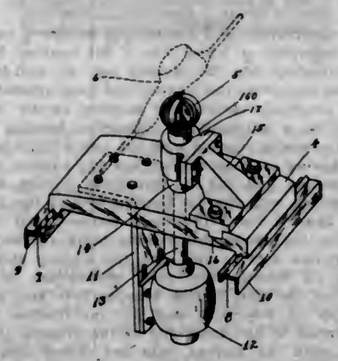
whereby the operation of said manually actuated pinion will cause the rotation of said drums at a relatively high rate of speed.

1,630,303. ANIMAL-TATTOO-MARKING INSTRUMENT. MARCELLUS W. MEEK, Arcadia, Calif. Filed Dec. 31, 1925. Serial No. 78,526. 3 Claims. (Cl. 101—30.)



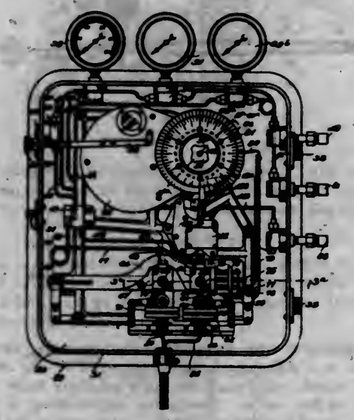
1. A tattoo marking implement comprising a shank, a finger-receiving loop on one end thereof, a tubular member mounted for rotation on the other end of said shank, a series of needles carried by the rotatably mounted member and a flange on the upper end of said rotatably mounted member.

1,630,304. LAST LATHE. CHARLES P. MORTON, Cincinnati, Ohio. Filed May 7, 1923. Serial No. 637,142. 1 Claim. (Cl. 142—15.)



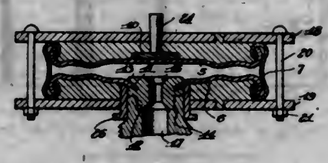
In a last lathe the combination with a lathe bed, of a carriage reciprocally mounted on the lathe bed and having a bore therethrough, a depending bracket mounted on the bottom of the carriage, a vertical motor carried by the depending bracket and having an elongated vertical armature shaft extending upwardly through the bore in the carriage, a bearing bracket adjustably mounted upon the upper side of the carriage for receiving the projecting end of the armature shaft, and a rotary cutter mounted on the free end of the armature shaft adapted to engage the side of the horizontally arranged work.

1,630,305. TIME-CONTROLLED REGULATING APPARATUS. HARRY Y. NORWOOD, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Dec. 9, 1921. Serial No. 521,222. 12 Claims. (Cl. 236—46.)



1. In a regulating apparatus, the combination of a container the condition within which is to be regulated and a regulating valve therefor, actuating means for said valve, a timing device, a temperature responsive device, mechanism comprising a lever arranged for movement by one of said devices for variable cooperation with the other device to effect conjoint control by said devices of said actuating means, and adjustable means for differentially varying the effective length of said lever for varying the proportional effect of one of said devices relative to the other on said actuating means.

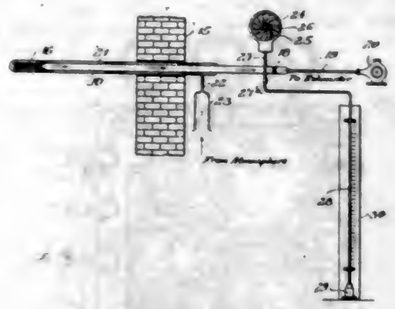
1,630,306. PRESSURE RESPONSIVE DIAPHRAGM. HARRY Y. NORWOOD, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Jan. 18, 1922. Serial No. 530,202. 4 Claims. (Cl. 137—157.)



1. In a device of the character described, the combination with a pressure-responsive diaphragm comprising opposed flexible walls and a peripheral wall, of a pair of plates disposed on opposite sides of the diaphragm and interconnected outside the confines thereof to assume a definite position relatively to the diaphragm, and means between the said plates and the said flexible walls, defining surfaces abutting with the flexible walls over substantially the entire surface thereof when the

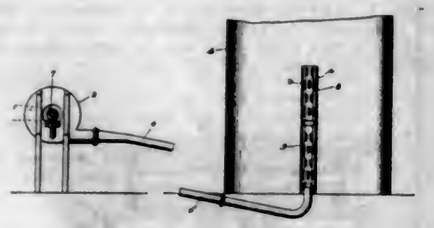
latter are in a definite expanded condition, said means consisting of material cast into the space between the plates and the said flexible walls while the latter are in expanded condition.

1,630,307. APPARATUS FOR MEASURING AND INDICATING THE FLOW OF GASES. HARRY Y. NORWOOD, Avon, and KENNETH L. TATE, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Aug. 4, 1925. Serial No. 48,170. 1 Claim. (Cl. 73—32.)



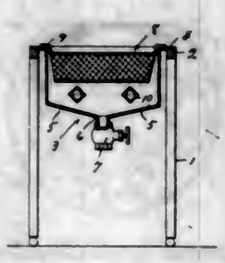
In apparatus for measuring temperatures, the combination of a manometric tube connected at one end to a body of liquid, a chamber having a capillary inlet and an effusion orifice outlet, means for maintaining a partial vacuum on the exterior of the outlet and a connection between the chamber and the manometric tube, the outlet orifice and the inlet being so proportioned that the external pressure on the orifice is less than .53 of the pressure in the chamber.

1,630,308. APPARATUS FOR DRYING, CURING, VENTILATING, OR OTHERWISE TREATING GRAIN OR THE LIKE. ANIBAL JULIO SANTOS PAZZI, LUIS JOSE DOMINGO PAZZI, and ADOLFO PEREZ ORDOÑEZ, Buenos Aires, Argentina. Filed Dec. 10, 1926, Serial No. 153,983, and in Argentina Sept. 25, 1926. 1 Claim. (Cl. 34—26.)



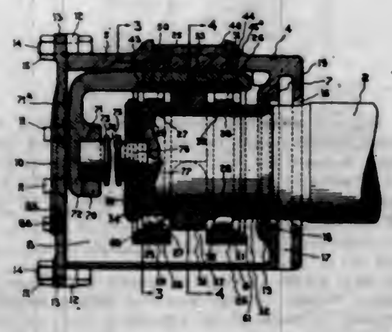
Apparatus for drying or otherwise treating grain or the like, comprising means for forcing a fluid into the grain, a fluid-distributing pipe connected with said means and adapted to extend through the grain, said pipe having elongated perforations in its walls, outwardly extending projections integral with the pipe, which projections are coextensive with and disposed beside the perforations, and a sheath of fabric surrounding the pipe throughout its length and spaced therefrom by the projections.

1,630,309. FRYING APPARATUS. ARTHUR R. PITMAN, Lynn, Mass. Filed Dec. 18, 1926. Serial No. 155,659. 2 Claims. (Cl. 53—7.)



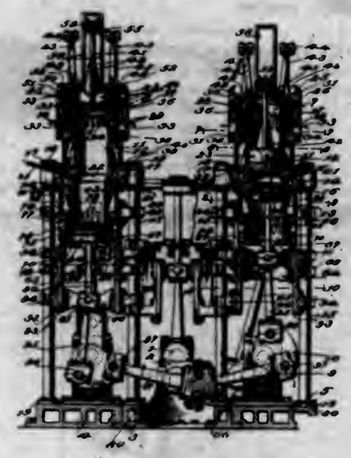
1. In a structure of the class described, a support, a grease container of box-like form having outstanding supporting flanges, inclined bottom portions and a valved drain at the center of the bottom, together with tubes extending across the interior of the container, adapted to receive suitable heating means, said tubes being provided with longitudinally spaced internal baffles for distribution of the heat.

1,630,310. ANTIFRICTION BEARING. WILLIAM A. PITT, Montreal, Quebec, Canada, assignor to George F. Sheppard, Montreal, Canada. Filed May 16, 1924. Serial No. 713,785. 5 Claims. (Cl. 308—180.)



1. The combination of a journal box having a top portion the underside of which has a flat bearing face, a journal extending into the journal box, an anti-friction bearing unit encircling the journal and fixed against axial movement relatively thereto but movable axially in unison therewith, a substantially cylindrical housing encircling and in bearing relation with the anti-friction bearing unit and having an external top bearing surface convex in axial section and flat in transverse section and in bearing relation with the flat bearing face of the journal box, said housing being internally recessed and having rings within the recess constituting outer raceways for the anti-friction bearing unit, and the housing and rings presenting an interior free from obstruction to axial movement of the anti-friction bearing unit and journal substantially as described, and an anti-friction thrust bearing carried by the front end of the housing in axial alignment with the journal, said end thrust being constructed and arranged to permit a limited axial travel of the journal and its anti-friction bearing unit relatively to the housing before taking up the end thrust.

1,630,311. INTERNAL-COMBUSTION ENGINE. CHARLES REINEKE, New York, N. Y., assignor to The Reineke Motor Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 29, 1921. Serial No. 525,702. 10 Claims. (Cl. 123—54.)



1. In an internal combustion engine, the combination with a cylinder having offset portions, of opposed pistons arranged in said cylinder, an oscillating crank shaft arranged at one end of the cylinder and intersecting the axis of one of the offset portions of the cylinder, and means connecting said crank shaft with the aforesaid pistons for permitting the power strokes of said pistons to be transmitted to the crank shaft at points outside of a vertical plane through the center of the crank shaft.

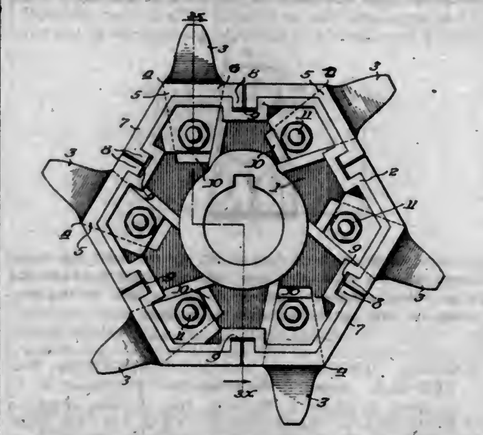
1,630,312. THERMAL TRANSLATING DEVICE. WILLIAM A. RHODES, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 6, 1919. Serial No. 343,103. 8 Claims. (Cl. 200—122.)



1. A translating device comprising a fluid, means for confining said fluid, a diaphragm separating the confined fluid into two parts, means for heating the fluid on one side of the diaphragm and mechanism for translating the motion of the diaphragm on the other side thereof.

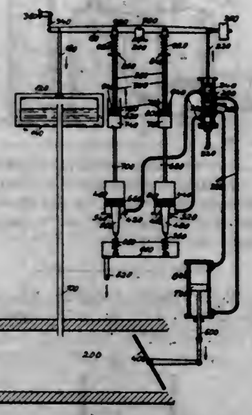
1,630,313. SPROCKET WHEEL. CLAUDE ROBABECK, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 30, 1925. Serial No. 26,855. 4 Claims. (Cl. 74—31.)

3. A sprocket wheel, consisting of a polygonal body portion, separately formed rim segments each conforming to two adjacent sides of the polygon of the body portion, sliding into assembly with the body portion in the direction of its axis and interlocking against displacement



thereon either circumferentially or radially, and removable teeth socketed in the body portion and intersecting the rim segments and holding them against disassembly.

1,630,314. AUTOMATIC REGULATOR. ERICH ROUČKA, Blansko, Czechoslovakia. Filed June 2, 1925, Serial No. 34,500, and in Czechoslovakia June 18, 1924. 16 Claims. (Cl. 137—78.)



1. A system of the character described, comprising normally balanced means responsive to variations in a condition to be controlled, means including a double-acting fluid pressure motor for varying said condition, a governor for controlling flow of fluid to and from said motor, and fluid pressure means directly actuated by the pressure difference of said fluid caused by the flow of fluid to and from the said motor in accordance with the actuation of said governor tending to restore balance in the system after each variation of said condition to be controlled.

1,630,315. UNDERGARMENT. ALEXANDER M. SCHNEIDER, New York, N. Y., assignor to G. Sperling, New York, N. Y. Filed July 13, 1926. Serial No. 122,054. 6 Claims. (Cl. 2—78.)

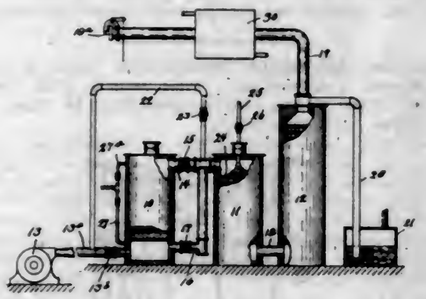
1. A combination undergarment comprising a substantially form fitting body portion with a closed crotch and leg openings diverging therefrom upwardly to points at the sides of the garment substantially at the waistline, and flounces comprising enlarged leg portions of tubular

form secured at said openings, each of said flounces being when developed a substantially quadrilateral member but with one side cut away to provide a substantially semi-



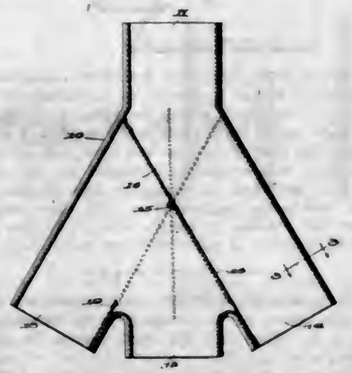
circular edge for attachment at one of said leg openings, the two side edges next adjacent said semi-circular edge being stitched together along the side of the garment in forming the tubular leg portion.

1,630,316. METHOD OF MAKING CARBURETED WATER GAS. ALLEN E. SHIPPEE, East Providence, R. I., assignor to Stone & Webster, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1921. Serial No. 438,115. 5 Claims. (Cl. 48—205.)



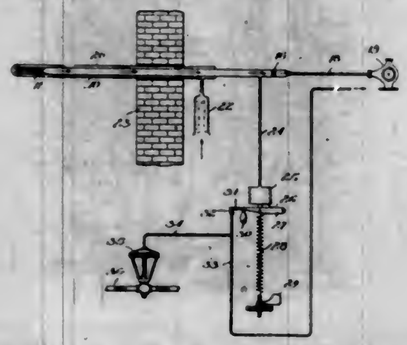
4. The process of making carbureted water gas in a gas making set comprising a generator and a carburetor, which consists in three steps, namely, an air blast run, a steam run including carbureting, and an independent run of free air through the carburetor.

1,630,317. AIR-CONTROL VALVE. FRANK J. SKONIER, Altoona, Pa. Filed Mar. 18, 1927. Serial No. 176,569. 3 Claims. (Cl. 251—14.)



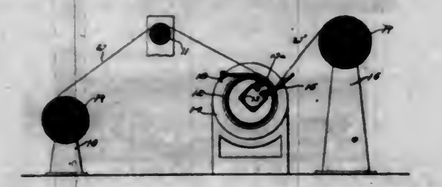
1. An air control valve device comprising a casing having an air pressure inlet at one end, an atmospheric air inlet and supply and exhaust outlets at the other end, said exhaust outlet having an inner wall extending within the casing, and a plate valve pivoted within the casing at the end of said wall and adapted to connect the air pressure inlet with the exhaust outlet and the atmospheric air inlet with the supply outlet or to connect the air pressure inlet with the supply outlet in the respective extreme positions of the valve, and to effect the several stated connections simultaneously when the valve is in intermediate position.

1,630,318. APPARATUS FOR MEASURING THE FLOW OF GASES. KENNETH L. TATE, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed May 16, 1925. Serial No. 30,846. 6 Claims. (Cl. 73—32.)



2. An apparatus of the character described, comprising a chamber having constricted inlet and outlet passages, means for maintaining a predetermined difference in the pressures to which said passages are externally subjected, one of said passages being constructed relative to the other to maintain a pressure difference between opposite sides thereof adapted to maintain a maximum flow therethrough substantially independent of fluctuations in the external pressure thereon, and a device responsive to variations of pressure in the said chamber.

1,630,319. AIR-SUCTION CRINKLING APPARATUS. KURT WANDEL, New York, N. Y., assignor, by mesne assignments, to Arkell Safety Bag Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1920. Serial No. 363,709. 8 Claims. (Cl. 92—69.)

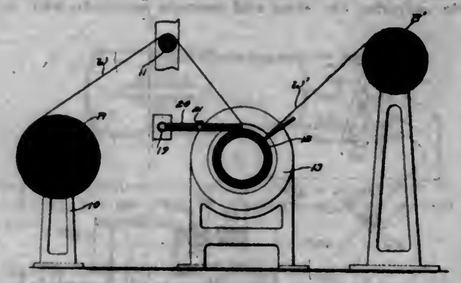


1. Paper crinkling apparatus, comprising a crinkling drum mounted for rotation with a doctor co-operative therewith and equipped for holding the paper adherent to the drum by air suction, such equipment consisting in a series of circumferential grooves in the surface of the drum alternating with continuous circumferential paper supporting areas, said paper supporting areas acting to hold the paper substantially out of said grooves, said grooves having communication with a source of air suction.

1,630,320. PAPER-CREPING APPARATUS. KURT WANDEL, New York, N. Y., assignor, by mesne assignments, to Arkell Safety Bag Company, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1920. Serial No. 366,823. 6 Claims. (Cl. 92—69.)

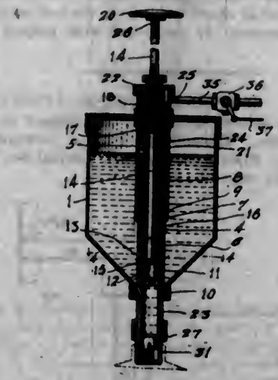
1. Paper crinkling apparatus, comprising a crinkling drum, a doctor co-operative therewith, and means ex-

ternal of the drum for holding the paper adherent thereto by air suction in advance of the doctor, said drum presenting a series of continuous supporting areas circum-



ferentially of the drum alternating with circumferential grooves constituting suction areas, said supporting areas acting to hold the paper substantially out of said grooves.

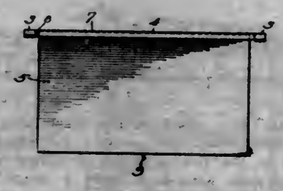
1,630,321. FORCE-FEED LUBRICATOR. JOSEPH W. WOODRUFF, Elizabeth, N. J. Filed Dec. 23, 1924. Serial No. 757,618. 7 Claims. (Cl. 184—29.)



1. A device of the character described, comprising a cylinder having an inlet and an outlet, a piston reciprocable with a sliding fit in said cylinder between said inlet and said outlet, said piston having an opening to establish communication therethrough between said inlet and outlet, a valve rod having a limited reciprocatory movement relative to said piston in opposite directions and a sliding fit in said opening to close and open the same, means on said valve rod above said opening in the piston to have an abutting engagement with said piston to limit relative movement of said piston and said valve rod in the direction to close said opening and cause movement of said piston with said valve rod after said opening is closed, and means for connecting said piston and said valve rod to limit relative movement of said piston and said valve rod in the direction to open said opening and cause movement of said piston with said valve rod in said direction after said opening is opened, whereby actuation of said valve rod in opposite directions closes and opens said opening and simultaneously actuates said piston in said cylinder.

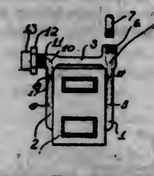
1,630,322. CARD-INDEX DEVICE. ALBERT G. WUEST, Monroe, Mich., assignor to The Weis Manufacturing Company, Monroe, Mich., a Corporation of Michigan. Filed Mar. 7, 1925. Serial No. 13,726. 4 Claims. (Cl. 129—16.)

1. A visible card-index card-holder comprising a sheet-metal tube having a slot on one side thereof for the card, and having a flattened intermediate portion to frictionally grip the card, leaving two cylindrical end portions projecting beyond the edges of the card, said slot extending to the outer ends of said end portions, so that the card may be inserted at one corner thereof in the end of the holder and moved along into said flattened



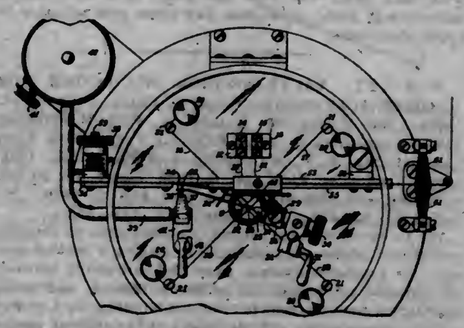
portion, with means forming a stop at one end of the flattened portion, to limit said insertion, preventing the card from being inserted through the cylindrical portion adjacent said stop, said stop preventing the card from being pushed into the adjacent cylindrical portion, and positioning the card between the two cylindrical portions.

1,630,323. CONNECTER AND SUPPORT FOR METERS. EDWARD P. BARTHOLOMAY, Rochester, N. Y. Filed June 5, 1926. Serial No. 114,007. 2 Claims. (Cl. 73—167.)



1. The combination with a gas meter casing having inlet and outlet openings in its opposite side walls, of a combined support and connection comprising two upright arms fitting against and secured to the exterior of the side walls of the meter and extending along the same and having passages communicating with the inlet and outlet openings in the said side walls of the meter, a connecting member formed integral with the said arms and extending across the meter, and means on the ends of the arms for connecting the inlet of the meter with the supply pipe and the outlet with a service pipe.

1,630,324. SIPHON RECORDER. EDWARD BLAKENEY, Kitchawan, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Dec. 6, 1921. Serial No. 520,247. 14 Claims. (Cl. 178—91.)



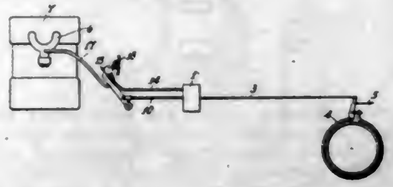
1. In an indicator for electric current, the combination of a fluid reservoir having a slot adapted to retain fluid by surface tension and a recording pen movable in said slot adapted to withdraw said fluid from the slot.

1,630,325. TROUGHLESS SKELETON FLANGE-WAY GUARD. HAROLD P. BLUM, Cleveland, Ohio, assignor to The Cleveland Railway Supply Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 4, 1926. Serial No. 127,076. 7 Claims. (Cl. 238—9.)



1. A flange way guard section of skeleton type, comprising a continuous base member for engagement and attachment to the ties, a series of spaced vertical legs formed integrally with said base, a flange way guard member formed integrally with said legs and adapted to lie parallel with the main rail, and a series of inwardly extending spacer members formed integrally with said legs and guard, and adapted for wedging engagement between the ball and the base flange of the main rail and having a trough shaped upper contour.

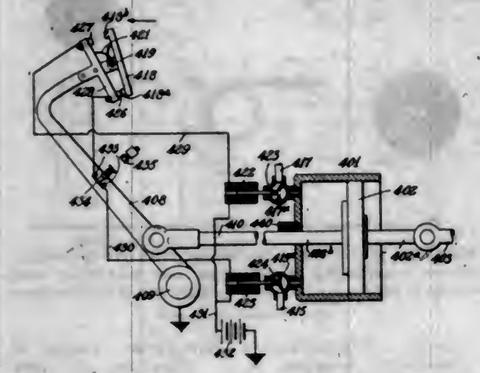
1,630,326. VALVE-CONTROL MECHANISM FOR POWER ACTUATORS. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Apr. 3, 1925. Serial No. 20,333. 17 Claims. (Cl. 303—50.)



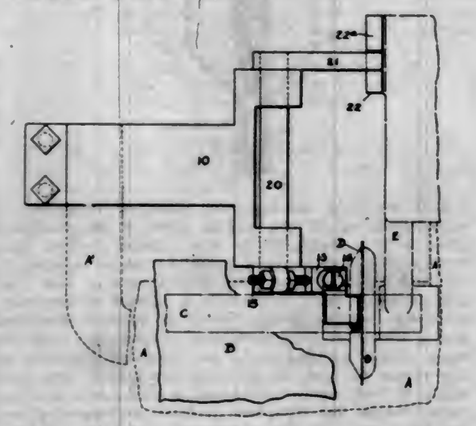
2. In an automotive vehicle, the combination with brake mechanism, a power actuator comprising a cylinder and a piston operatively connected with the brake mechanism and means for establishing differential pressures on opposite faces of the piston including controlling valve mechanism, of a pivoted rocking pedal, operative connections between said pedal and said valve mechanism, and a spring normally holding said pedal out of the position to which it is moved by the placing of the operator's foot in normal operative relation therewith, and holding the valve mechanism in off position, whereby the act of engaging the foot in normal operative relation with said pedal will rock the pedal in a direction to operate said valve mechanism and cause said actuator to apply the brakes.

1,630,327. VALVE-CONTROL MECHANISM FOR POWER ACTUATORS. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Apr. 3, 1925, Serial No. 20,333. Divided and this application filed July 3, 1926. Serial No. 120,420. 13 Claims. (Cl. 188—152.)

11. In an automotive vehicle, provided with an internal combustion engine for propelling it, having a suction passage for explosive charges from the carburetor between the throttle valve and the cylinders thereof, and brake mechanism for the vehicle, the combination of a power actuator comprising a cylinder and a piston therein, means for connecting said actuator with said suction passage and with the atmosphere to establish differential pressures on opposite faces of the piston including controlling valve mechanism, electro-magnetic devices for operating said valve mechanism, means for connecting the actuator piston with the brake mechanism of the vehicle, a pivoted pedal lever, operatively connected with the brake mechanism of the vehicle, a pedal mounted on said lever for operating the same and movable relatively with respect to the lever, and electric connections between the said pedal and said electro-magnetic devices operable by the relative movement of the pedal with respect to said lever.



1,630,328. SLOTTING-MACHINE ATTACHMENT. ALVIN L. BRUMBACH, Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Aug. 30, 1924. Serial No. 735,142. 3 Claims. (Cl. 90—11.)



1. In combination with a slotting machine comprising a supporting frame and a work holder and rotary-cutter carrier relatively movable thereon to effect stepped cutting movements transversely of the work holder; a movably mounted slot-wall bracing-finger mounted on the frame rearwardly of the cutter path, and means for automatically moving said bracing-finger into a previously cut slot preliminary to each succeeding slot-cutting movement and withdrawing the same preliminary to each step movement.

1,630,329. INK ERADICATOR. THOMAS W. CAPPON, Brooklyn, N. Y. Filed Mar. 8, 1924. Serial No. 697,750. 4 Claims. (Cl. 120—36.)

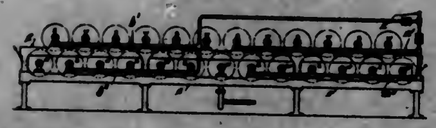
1. A fluid ink eraser, comprising in combination a container having a narrow operating aperture and a fluid applying pencil extending in front of the outer orifice of the container and freely slidable in said aperture and provided with an enlargement at its inner end adapted to limit outward movement of said pencil; said pencil being so proportioned to the container as to produce effective ejection of fluid by displacement when pressed inward.



1,630,330. WINDSHIELD. FREDERICK A. DILLINGHAM, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a Corporation of Ohio. Filed May 28, 1924. Serial No. 716,380. 3 Claims. (Cl. 296—86.)

1. In a windshield for automobiles and the like, a body member, a frame member, a body bracket carried by the body member, a frame bracket carried by the frame member, a lever interposed between said brackets, interfitting cone-shaped wedge members non-rotatably connected respectively with said lever and one of said brackets, means for forcing the wedge members into locking engagement, and a yieldingly locking connection between said wedge members, said yieldingly locking connection including a spring pressed plunger and a cooperating depression in the cooperating cone surface of said cone shaped wedge members.

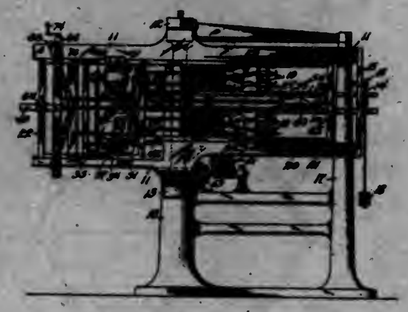
1,630,331. MULTIPLE-CYLINDER DRYING MACHINE. GERALD DOD, Southport, England. Filed Mar. 24, 1926, Serial No. 96,993, and in Great Britain Mar. 31, 1925. 5 Claims. (Cl. 34—48.)



1. A multi-cylinder drying machine comprising a plurality of sections, each section consisting of at least one cylinder, a steam-conduit along each side of the machine, means for supplying steam from one of said conduits to alternate sections, means for supplying steam from the other of said conduits to the intermediate sections, and means for discharging water of condensation from each cylinder at the end opposite its steam supply.

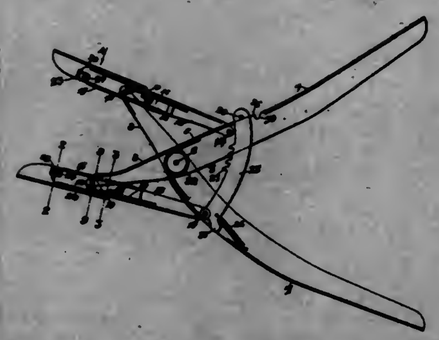
1,630,332. [WITHDRAWN.]

1,630,333. LATHE. GEORGE W. DUCHEMIN, Newark, N. J. Filed May 26, 1925. Serial No. 32,896. 2 Claims. (Cl. 142—13.)



1. A lathe for turning irregular forms comprising a support, a gate swinging intermediate its ends on the support, a sliding pattern and work carrying chuck support on the gate, chucks on the chuck support on one side of the pivot, a mechanism for rotating the chucks and for reciprocating the chuck support, said mechanism being mounted on the gate on the other side of the pivot, and a pattern wheel and cutters disposed so as to bear on pattern and work in the chucks.

1,630,334. SPRING COMPRESSOR. DAVID CHARLES FEATHER, Denver, Colo., assignor to The Feather Motor Appliance Company, Denver, Colo., a Corporation of Colorado. Filed May 17, 1926. Serial No. 109,663. 12 Claims. (Cl. 29—86.3.)

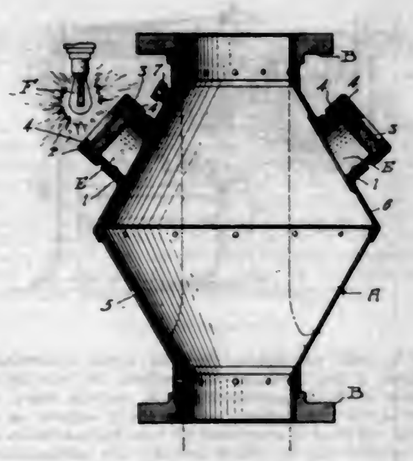


9. A tool of the character described comprising crossed levers, a spring to yieldingly resist their operative movement, jaws supported on corresponding arms of the lever, lock mechanism for the jaws controlled by the levers, to release the same in a determinate adjusted position of the levers, and a locking device adapted, for adjustment to determine said adjusted position of the levers.

1,630,335. SIGHT FLOW BOX. ERNEST B. FORD, Union, N. J., assignor to Foster Engineering Company, Newark, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,034. 8 Claims. (Cl. 116—117.)

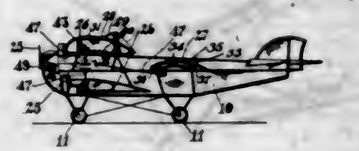
5. A sight flow box comprising a body having a chamber provided with an inlet and an outlet, a pair of oppositely disposed sight openings directed into said cham-

ber at an angle to each other and each obliquely to said inlet, whereby a large area of a column of water in said chamber can be viewed through either of said openings



and light directed into said chamber through the other opening to enhance visibility without interference by glare with vision through the first-mentioned opening.

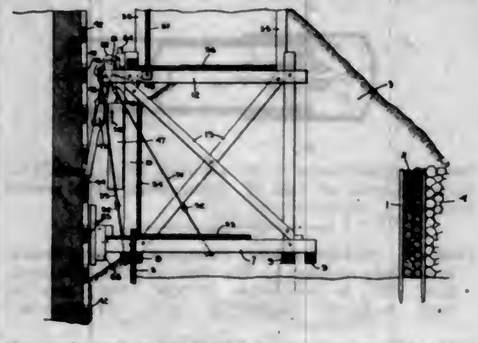
1,630,336. DIRIGIBLE AEROPLANE. JULIUS FOX, Cleveland, Ohio, assignor of one-fourth to Joseph H. Grummer and one-fourth to Eugene O. La Fevre, Cleveland, Ohio. Filed Mar. 26, 1926. Serial No. 97,492. 2 Claims. (Cl. 244—5.)



1. In a device of the class described, a dirigible aeroplane comprising front and rear wings, struts comprising spaced members supporting said wing, means for retaining gas of a weight lighter than air mounted between the spaced members of the struts of said front and rear wings, valve mechanism for controlling the gas content of said retaining means while said aeroplane is in operation to selectively vary the lifting power of the front and rear wings of said aeroplane for effecting changes in the direction of movement thereof.

1,630,337. APPARATUS AND METHOD OF CONSTRUCTING AND SINKING A CAISSON. JOHN R. FREEMAN, Providence, R. I. Filed Aug. 24, 1921. Serial No. 494,944. 11 Claims. (Cl. 61—40.)

1. An apparatus for sinking a caisson vertically comprising a support on the earth surrounding the caisson, a plurality of expansible jacks engaging and acting downwardly against the caisson periphery and engaging and reacting upwardly against the support, a load on the support of sufficient weight together with that of the support to take up the reaction of the jacks, means for expanding the jacks gradually to force the caisson into



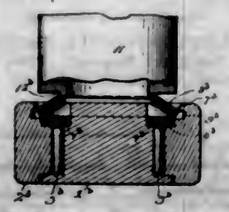
the earth, and means carried by the support and engaging the caisson periphery for centering and guiding the caisson in its descent.

1,630,338. METAL JOINT. JOHN F. GAIL, Evanston, Ill., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed June 23, 1919. Serial No. 305,976. 5 Claims. (Cl. 287—20.)



1. In a metal joint, the combination of a plate member having an opening therethrough, a sheet metal member extending at an angle from said plate member and having a tongue extending from one edge and through said opening and also having a shoulder at the base of said tongue seated against one side of said plate, and a retaining plate engaging the other side of said first plate and butt-welded to the end of said tongue.

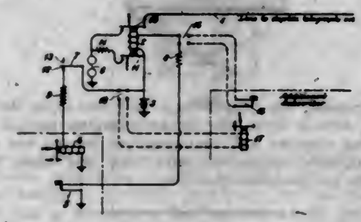
1,630,339. ANTIFRICTION BEARING AND METHOD OF ASSEMBLING THE SAME. JOSEPH A. GANSTER, Philadelphia, Pa. Filed July 13, 1925. Serial No. 43,196. 9 Claims. (Cl. 29—84.)



1. In an anti-friction bearing, the combination of inner and outer casing members and interposed rolling elements, a confining washer for the rolling elements applied to one of said members, and a circumferentially continuous deformed fastening washer fixedly interlocked with said casing member and forcibly engaging the confining washer to fasten it permanently in place.

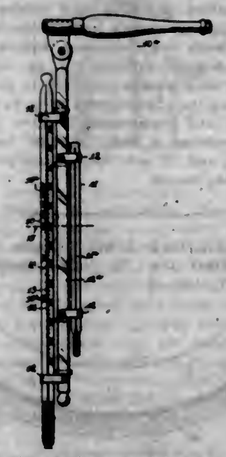
4. The method of assembling anti-friction bearings comprising inner and outer casing members and interposed rolling elements, one of which casing members is provided with a ledge and with an adjoining groove, which method consists in seating on the ledge a washer to confine the rolling elements and of a thickness to project into the plane of the groove, and forcing into the groove by deformation, a fastening washer, while causing the deformed washer to forcibly engage the projecting portion of the confining washer.

1,630,340. TELEGRAPH SYSTEM. MERTON C. HALL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 18, 1925. Serial No. 38,083. 7 Claims. (Cl. 178—58.)



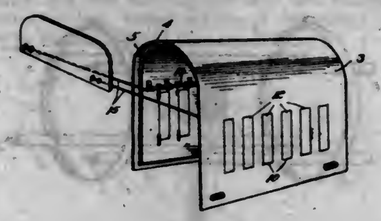
1. In a telegraph system, in combination, a line, means for signaling over said line, a subscriber's set connected to said line comprising a neutral relay having two armatures, a key, a polar relay, a sounder, and a source of potential, the winding of said neutral relay being arranged in a circuit in series relationship with said source of potential and said key, said sounder being arranged in another circuit in series relationship with said source of potential and the armature of said polar relay, one armature of said neutral relay being arranged to connect the winding of said polar relay to the line when said neutral relay becomes energized and to disconnect said polar relay from the line when said neutral relay is deenergized the other armature of said neutral relay being arranged to connect the winding of said polar relay to said source of potential when the neutral relay becomes deenergized.

1,630,341. THERMOMETER SCALE. EARL VERNON HILL, Chicago, Ill. Filed June 1, 1925. Serial No. 33,959. 10 Claims. (Cl. 73—24.)



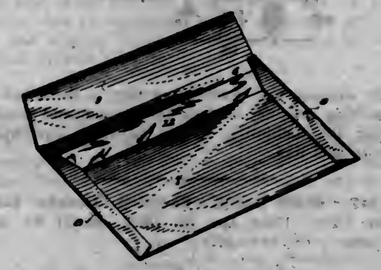
7. A combination scale comprising a main scale with graduations to represent degrees numerically increasing in one direction and a second scale placed opposite the first scale, the two scales having one graduation of like numerical order common to the two scales, and the second scale running inversely from the common graduation and bearing graduations which are correlated in a predetermined inverse relation to the corresponding graduations on the other scale, said predetermined inverse relation corresponding to a correlation of two conditions to be maintained as registered on the two scales.

1,630,342. HOOD CONSTRUCTION. MAX A. HUHNHOLZ, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,506. 2 Claims. (Cl. 180—69.)



1. In an automobile hood construction, the combination of an inner and an outer wall united to prevent the conduction of heat to the exterior surface of the hood whereby the finish thereon may be preserved from the burning action of the heat of the motor, and pivotally mounted shutters also provided with an inner and an outer wall to prevent the conduction of heat to the exterior thereof for preserving the finish thereon, the pivotal mounting of said shutters permitting the shutters to move into and out of said double wall hood whereby the inner and the outer walls of the shutters, when closed, are coplanar with the inner and the outer walls of said hood.

1,630,343. PAPER PACKAGE AND METHOD OF FORMING IT. DANIEL C. HURLBUT, Bennington, Vt., assignor to Bennington Wax Paper Company, Bennington, Vt., a Corporation of Vermont. Filed Feb. 19, 1924. Serial No. 698,800. 5 Claims. (Cl. 206—57.)



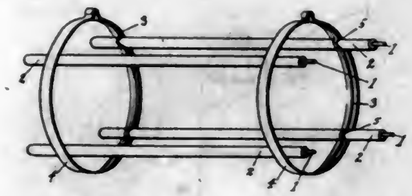
3. A paper package comprising an envelope open at one edge and including a back flap narrower than the envelope, end flaps secured to the back flap, a closing flap removably secured as a tuck between the back flap and the end flaps, and a mass of folded sheets of paper within said envelope.

1,630,344. WINDOW SHADE. HATTIE ILIGAN, East Elmhurst, N. Y. Filed Dec. 8, 1925. Serial No. 74,104. 4 Claims. (Cl. 156—10.)



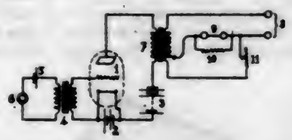
1. A window shade having a plurality of ventilating passages therein, and means integral with said shade for forming partial closures for said passages.

1,630,345. BALL CONVEYER. BENJAMIN LANZA, Philadelphia, Pa. Filed Nov. 20, 1926. Serial No. 149,683. 8 Claims. (Cl. 273—110.)



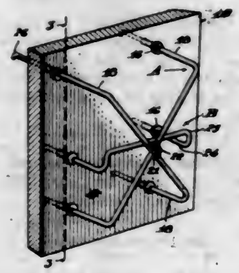
1. A device for holding the longitudinal rods of a guideway, in spaced relation, comprising: interfitted bands shaped to provide spaced sockets, each adapted to receive a rod and secure it against transverse displacement in all directions.

1,630,346. AMPLIFIER FOR ELECTRICALLY-DISTURBED TELEPHONE LINES. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 29, 1921, Serial No. 496,649, and in France June 25, 1915. 14 Claims. (Cl. 178—44.) (Granted under the provisions of the act of Mar. 3, 1921; 41 Stat. L., 1313.)



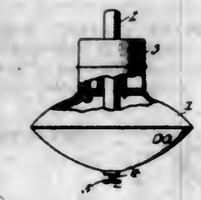
1. In combination, a telephone line, a thermionic tube transmitting amplifier at each end thereof, and means for reducing the audibility of the parasitic currents and speech in said line.

1,630,347. SEED RACK. EDWIN A. LUTHER, Los Angeles, Calif. Filed Apr. 27, 1925. Serial No. 26,003. 1 Claim. (Cl. 211—17.)



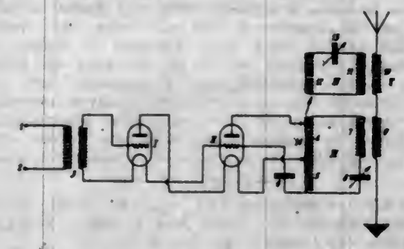
A rack of the class described comprising a back and a rear wall spaced from the back, said back having a series of groups of apertures formed therethrough, a packet holder for each group of apertures and each packet holder comprising a front and legs for slidable extension through said apertures, means on said legs to prevent complete withdrawal of the legs, there being a second series of groups of apertures in said back located within the first mentioned groups and an auxiliary packet holder for each of the group of apertures of the second series having legs for slidable and limited movements in said apertures.

1,630,348. WALKING TOP. LOGAN L. MALLARD, Norfolk, Va. Filed Jan. 10, 1926. Serial No. 81,775. 2 Claims. (Cl. 46—32.)



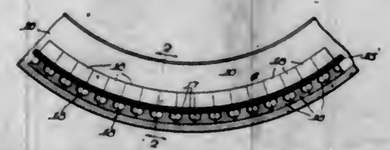
1. A spinning top comprising a body and a peg therefor provided with a head, the surface-engaging face of said head being serrated and the serrations having the walls thereof inclined alternately with long and short faces, as and for the purposes described.

1,630,349. ARRANGEMENT FOR SUPPRESSING IDLE CURRENT IN RADIOTRANSMITTERS. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Filed Apr. 6, 1925, Serial No. 20,929, and in Germany Apr. 10, 1924. 5 Claims. (Cl. 250—6.)



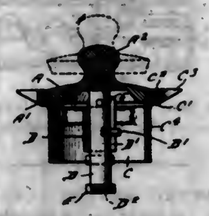
1. In combination, a source of a carrier wave of relatively high frequency, means for modulating said carrier wave at a relatively low frequency resulting in waves of carrier and side-band frequencies, an antenna circuit, means coupling said antenna circuit to said source, and means permitting the transmission of a wave of said side-band frequency and suppressing a wave of said carrier frequency comprising a tuned circuit coupled to said antenna circuit and to said source independently of the aforesaid coupling means.

1,630,350. RESILIENT TIRE. CLYDE S. MORSE, De Kalb, Ill. Filed Jan. 23, 1926. Serial No. 83,214. 2 Claims. (Cl. 152—8.)



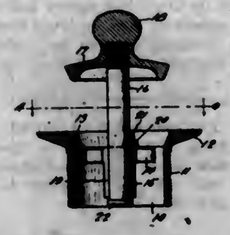
1. In a resilient tire, the combination of a circular casing, with a yieldable band located therein at a distance from the tread or outer portion thereof and a plurality of transversely disposed resilient tread engaging members carried by said band on its outer surface, each of said members having its outer portion widened circumferentially with respect to the casing and in contact with the corresponding portions of adjacent ones of said members to impart resiliency to said band and to form an unspaced support to the casing.

1,630,351. VALVE FOR PLUMBING FIXTURES. JOHN N. MORTIMER, Lakewood, Ohio, assignor to the Central Brass Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 29, 1926. Serial No. 98,088. 1 Claim. (Cl. 4—295.)



As a new article of manufacture, a waste valve for bathtubs comprising a valve provided with a stem, said stem having a laterally projecting pin intermediate its ends and a laterally projecting stop at its lower end, a ring having a seat for the said valve and a laterally extending flange at the upper end of the sleeve, said flange having one or more notches, said ring having a depending externally threaded sleeve and a spider arranged within the sleeve and having a centrally bored hub in which the valve stem works, said centrally bored hub being vertically slotted, and a stop lug carried by the spider and with which the laterally projecting pin is adapted to engage to limit the rotation of said stem.

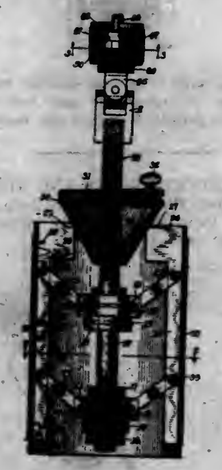
1,630,352. WASTE VALVE FOR BATHTUBS AND LAVATORIES. JOHN N. MORTIMER, Lakewood, Ohio, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 18, 1926. Serial No. 142,278. 1 Claim. (Cl. 4—295.)



As a new article of manufacture, a waste valve for bathtubs comprising an externally threaded sleeve provided at its upper end with an outwardly extending flange, said sleeve having a valve seat at its upper end, a centrally disposed spider having a longitudinally slotted hub, said hub having an upwardly projecting stop lug, and a valve provided with a stem, said stem having a laterally projecting pin intermediate its ends and a laterally projecting stop at its lower end, the length of said stem being such as to hold the valve elevated a sufficient distance above the spider to permit a tool to be brought into engagement with said spider for the purpose of screwing the sleeve into the bathtub.

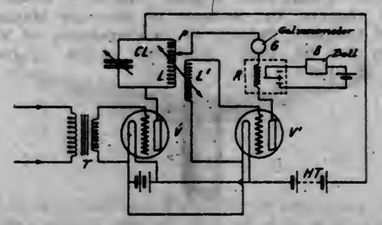
1,630,353. INTERNAL-CYLINDER GRINDER. LEO D. PANGBORN, ROGERS M. WARWICK, and GEORGE H. MCKAY, Chicago, Ill., assignors, by mesne assignments, to Chicago Hardware Foundry Company, Chicago, Ill., a Corporation of Illinois. Filed July 12, 1924. Serial No. 725,573. 10 Claims. (Cl. 51—206.)

1. An internal grinding device comprising, in combination, a central shaft, two spaced collars on said shaft, one collar being adjustable and the other being fixed, a plurality of parallel bars extending longitudinally of said shaft and being radially movable relatively thereto, a plurality of links pivotally connecting said bars to said collars, a cone adjustably mounted on said shaft and engaging said bars for adjusting said bars radially, and abrasive carrying means defining a cylindrical surface mounted on said bars.



8. A cylinder grinder having, in combination, a shaft, a plurality of bars adapted to be moved toward and away from said shaft, parallel links connecting each of said bars to said shaft, means for moving said bars away from said shaft and for locking said bars in adjusted position, and an expansible sleeve secured to one of said bars and adapted to be enlarged and locked in adjusted position by said bars.

1,630,354. RADIO SIGNALING APPARATUS. THOMAS DIXON PARKIN, Chelmsford, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Dec. 2, 1921, Serial No. 519,311, and in Great Britain Jan. 31, 1921. 3 Claims. (Cl. 250—8.)



1. The combination of two three-electrode valves one of which is on the point of self-oscillation when no oscillations are impressed on it, means for applying incoming oscillations to the grid circuit of one valve, an oscillatory circuit adapted to be tuned to a desired frequency connected to the anode of that valve and connected to the grid circuit of the second valve by means of an adjustable tap and a relay coil connected between the oscillatory circuit and the anode of the second valve.

1,630,355. SHUTTLE. LUIGI PAVIA, Allentown, Pa. Filed Oct. 16, 1926. Serial No. 141,940. 5 Claims. (Cl. 139—210.)

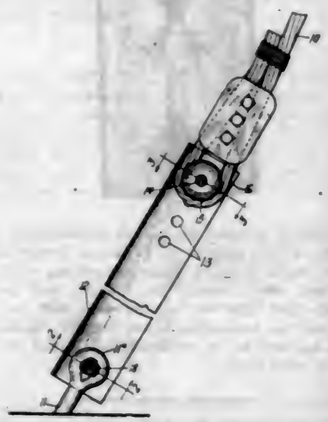
1. In combination, with a shuttle body having a longitudinal cavity and a transverse bearing, a spindle arranged in the cavity and split in a plane intersecting the axis

of the bearing from the butt toward the point of the spindle to form two legs, one such leg having pivotal contact, and the other being free of such contact, with



the bearing, and said body and spindle having coacting means to collapse or expand the split part of the spindle when the same is pivotally shifted one way or the other.

1,630,356. COMBINATION GUY AND GUARD. GEORGE W. PERKS, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed May 22, 1926. Serial No. 110,976. 8 Claims. (Cl. 189—31.5.)



5. A guy including a guard or telltale incorporated therein as a tension member.

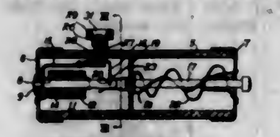
1,630,357. CORE FOR MOLDS. HENRY C. PERIL, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed May 23, 1925. Serial No. 32,254. 5 Claims. (Cl. 22—165.)



1. In a mold, divided by a plane of separation into cope and drag sections, a core crossing the plane of separation and having its respective ends projecting into the two sections, said core being constructed with transverse projections embedded in the material of a mold section and sustaining the core against tipping.

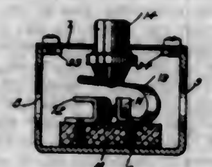
1,630,358. CUT-OUT. MAURITS J. SANDIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 1, 1922. Serial No. 548,659. 2 Claims. (Cl. 200—116.)

1. A cut-out device comprising a tubular insulating casing, terminal members mounted on the ends of the casing, relatively movable contact members connected to the terminal members and adapted to conductively connect the terminal members, latching means for securing the contact members in engagement, means for separating the contact members in a direction longitudinally of



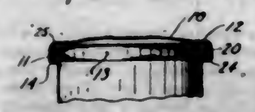
the casing upon their release by the latching means, and a barrier on one of the members extending transversely of the casing.

1,630,359. ELECTRIC SWITCH. GUY F. SCOTT, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 7, 1920. Serial No. 428,862. 4 Claims. (Cl. 200—159.)



1. In an electric switch, a switch box, a cover therefor provided with an opening, a push button extending through the opening and having a shouldered portion normally in engagement with the under side of the cover, a bridging member having one end connected to a stationary terminal member and its other end adapted to engage a stationary contact member, a stem extending loosely through the bridging member and having an expanded end to normally abut against the under side of said member and its other end rigidly seated in the push button, and an expanding member lying between the push button and the bridging member for yieldingly holding them in spaced relation.

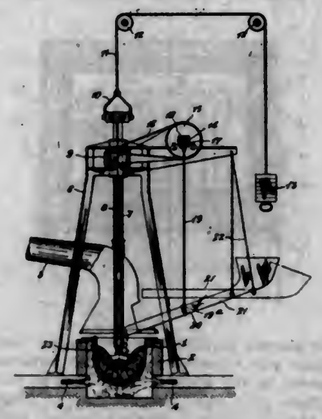
1,630,360. RECEIPTACLE CLOSURE. HERBERT T. SNYDER, New York, N. Y., assignor to Upressit Products Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,609. 2 Claims. (Cl. 215—95.)



1. In combination, a container, said container having a shoulder, a self gripping and releasable cap closure fitting over the opening of said container and having depending spring fingers engaging under said shoulder, a band enclosing the depending fingers to hold them in gripping relation to the shoulder, said band having a flange extending under the shoulder and a second flange extending over the top of the closure whereby accidental displacement of the closure is prevented.

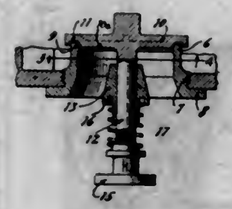
1,630,361. APPARATUS FOR RECLAIMING METALS. THERON D. STAY and CHARLES O. TESSIER, Cleveland, Ohio, assignors, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 28, 1921. Serial No. 511,021. 18 Claims. (Cl. 263—37.)

1. An apparatus for reclaiming light readily oxidizable metals comprising in combination, a melting furnace, molten metal agitating means in the furnace, means for actuating said agitating means, means for feeding scrap



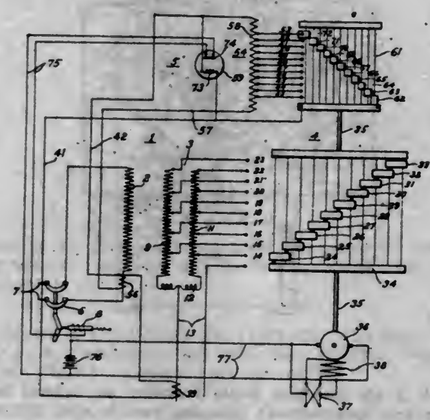
metal into the furnace in a substantially continuous stream, and means for concentrating the dross on the surface of the molten metal.

1,630,362. VALVE. WILLIAM S. SUTTON, Rockford, Ill., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 16, 1921. Serial No. 461,770. 2 Claims. (Cl. 137—53.)



1. A valve of the character described comprising a casing having an internal annular wall terminating at the outlet end in a valve seat; a valve disk having an enlarged central portion at its inner side and an annular groove adjacent its periphery; said groove having a relatively wide inwardly inclined wall constituting the periphery of said enlarged central portion, a narrow outwardly-inclined outer wall portion and a horizontal intermediate wall portion, an intermediate portion of said inwardly-inclined wall adapted to engage said valve seat when the valve is closed; said annular groove serving to receive the adjacent end of said annular casing, the outer and intermediate wall portions of said groove lying about and in normally spaced relation to the adjacent outer portion of said annular casing to provide a passage therebetween, said inwardly-inclined wall projecting within said casing when the valve is seated to provide a wedge-like annular space between said enlarged central portion of the valve disk and the adjacent portion of the internal annular wall of the casing below the valve seat whereby, when said valve is actuated, to cause the fluid to instantly pass through said passage and react upon the walls thereof and upon the valve seat to unseat and maintain said valve disk unseated, substantially as specified.

1,630,363. TRANSFORMER-TAP-CHANGING DEVICE. HENRY A. TRAVERS, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1926. Serial No. 116,314. 8 Claims. (Cl. 171—119.)



1. The combination with a transformer comprising primary and secondary windings, means for varying the number of effective turns of one of the windings, and a relay system responsive to predetermined differences in the current traversing the primary and secondary windings, of means for regulating the relay system in accordance with the operation of the means for varying the winding.

1,630,364. VEHICLE SPRING. WILLIAM H. WALLACE, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Spring Corporation, Detroit, Mich., a Corporation of Ohio. Filed Apr. 8, 1925. Serial No. 21,518. 4 Claims. (Cl. 267—47.)

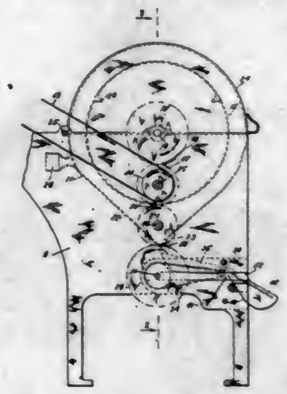


1. A spring comprising a plurality of superposed leaves of varying lengths some of which are formed of resilient metal and the others of relatively non-resilient metal, each of said leaves of non-resilient metal being backed-up by a plurality of leaves of resilient metal of which the one adjoining the leaf of non-resilient metal is of substantially the same length as the latter, as and for the purpose described.

1,630,365. CONDENSATION PRODUCT. HENRY C. P. WEBER, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,568. 6 Claims. (Cl. 91—68.)

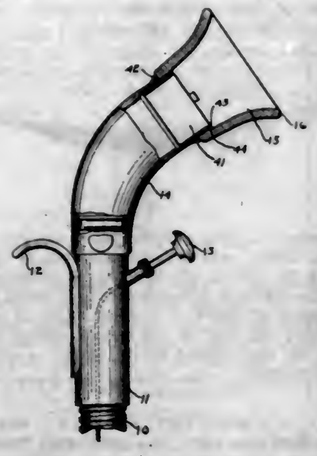
1. A method of forming a condensation product which consists in treating cellulose with a parchmentizing agent, treating the cellulosic material with a phenol and then treating the mixture with formaldehide to form resinous material.

1,630,366. DEVICE FOR SEPARATING PINS FROM SWEEPINGS. CHRISTIAN WILDHABER, New York, N. Y. Filed Apr. 9, 1926. Serial No. 100,893. 2 Claims. (Cl. 209—99.)



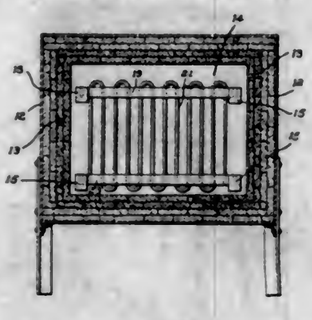
1. A pin assorting device including an inclined belt conveyer, longitudinally extending parallel slats dividing the acting portion of said conveyer, the distance between adjacent slats being smaller than the length of a pin, a slanting board adjacent the discharge end of said conveyer, said slats projecting forwardly of said conveyer, and a slanting board adjacent the forwardly extending ends of said slats.

1,630,367. SOUND COLLECTING AND TRANSMITTING. CHARLES K. WOODBRIDGE, New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed May 29, 1924. Serial No. 716,626. 16 Claims. (Cl. 181—21.)



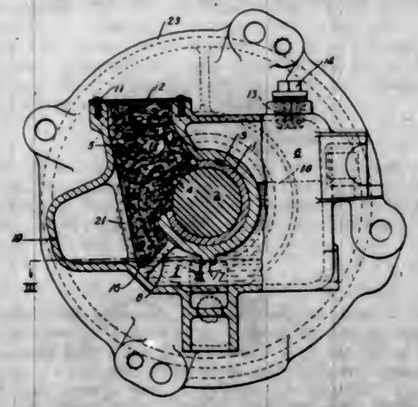
1. A sound-receiving device comprising a handle portion and an outwardly flaring mouthpiece portion, and means for adjustably connecting the handle portion and the mouthpiece portion to allow rotary movement of one relative to the other.

1,630,368. RESISTOR MOUNTING FOR ELECTRIC FURNACES. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 8, 1924. Serial No. 704,972. 6 Claims. (Cl. 204—64.)



1. In an electric furnace, the combination with a furnace chamber and a plurality of spaced refractory members supported by the walls of said chamber and extending therefrom into said chamber, of a resistor unit supported thereby having a single refractory member and a return-bent electric heating element supported by the bent portions only of said element and coacting with said last-named refractory member.

1,630,369. BEARING. CLAUDE BETHEL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1923. Serial No. 672,707. 11 Claims. (Cl. 308—132.)

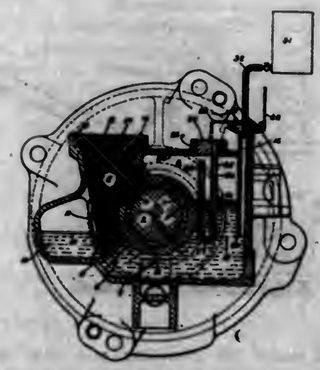


4. The combination with a bearing lubricator, of oil supply means therefor comprising a hermetically closed oil reservoir, a chamber extending upwardly from, and in communication with, the lower portion of said oil reservoir and having an opening communicating with the upper portion of said oil reservoir, an oil receptacle adjacent to said chamber having an opening communicating with said chamber, and oil-lifting means in said oil receptacle.

1,630,370. BEARING. CLAUDE BETHEL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 20, 1923. Serial No. 681,750. 19 Claims. (Cl. 308—132.)

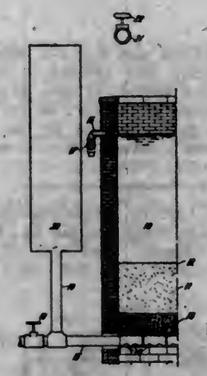
12. A hermetically closed vessel for holding a liquid, means for displacing liquid from said vessel by admitting

a gaseous medium to the upper portion thereof and filling means for injecting liquid into said vessel at a level



below the normal level of the liquid and expelling the gas trapped above said liquid without substantially disturbing the hermetical enclosure formed thereby.

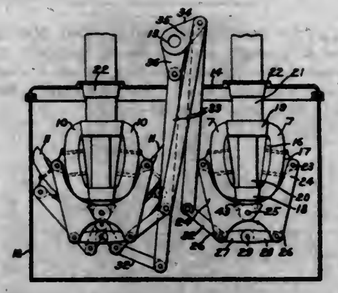
1,630,371. FILTRATION SYSTEM. HIRAM W. BLAISDELL, New York, N. Y., assignor to The Blaisdell Filtration Company, a Corporation of Delaware. Filed Apr. 27, 1922. Serial No. 556,993. 3 Claims. (Cl. 210—130.)



1. The process of renovating a filtration bed, comprising shutting off the outflow of water, permitting said outflowing water to accumulate between the filter bed and the shutting-off point, so that the accumulation of surplus water automatically flows back and up through the bed for the purpose specified.

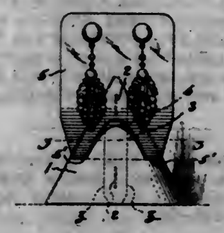
1,630,372. ELECTRIC SWITCH. WILLIAM ANSELM COATES, Chorlton-cum-Hardy, and GEORGE EDWARD GITTINS and DAVID REGINALD DAVIES, Stretford, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 5, 1922, Serial No. 566,031, and in Great Britain July 13, 1921. 2 Claims. (Cl. 200—18.)

1. The combination with three switches, of an operating shaft for closing the several switches, a crank mounted on and fixed to the shaft for controlling one of the switches during movement of the shaft in either direction, and cranks loosely mounted on the shaft and actu-



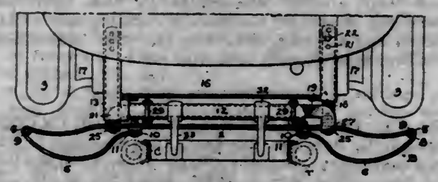
ated by the first named crank for controlling the other switches in accordance with the direction of movement of the shaft.

1,630,373. CARD-HOLDING DEVICE. DE'ETTE B. COMBS, Philadelphia, Pa. Filed Nov. 10, 1923. Serial No. 673,938. 1 Claim. (Cl. 40—149.)



A card holder, comprising a substantially semi-circular blank of sheet material, said blank being rolled to form a hollow conical member with the meeting portions of its diametric edge overlapped and secured together to retain said blank in the aforesaid conical form, and said conical member having a transverse semi-elliptical upwardly bowed slot having vertically spaced apart edges which converge toward the respective ends thereof, the lower edge of said slot defining an upwardly directed gripping tongue adapted to engage a card inserted in said slot and laterally flex the same so as to frictionally bind it against the upper edge of said slot.

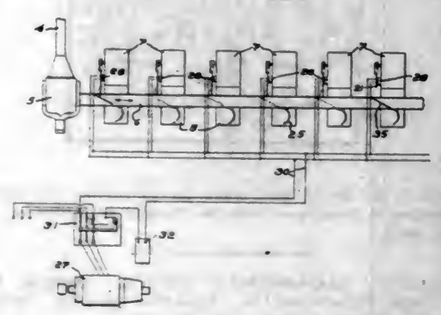
1,630,374. AUTOMOBILE BUMPER AND FITTING. WILLIAM G. COX, Cleveland, Ohio, assignor to The Eaton Axle and Spring Company, a Corporation of Ohio. Filed Sept. 15, 1923. Serial No. 662,830. 4 Claims. (Cl. 293—55.)



1. An automobile bumper having a supporting bar, and attachment fittings for said bar comprising a pair of

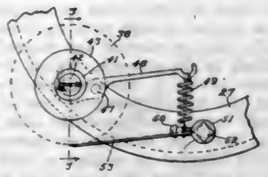
bracket members having upwardly-extending brace portions at one end and clamping extremities at their opposite ends and a connecting bar extending between said opposite ends.

1,630,375. COTTON-DISTRIBUTING MECHANISM. ROBERT S. CURLEY, Lowell, Mass., assignor, by mesne assignments, to Kitson Machine Shop, a Corporation of Massachusetts. Filed June 6, 1925. Serial No. 35,382. 10 Claims. (Cl. 19—69.)



1. In a cotton distributing apparatus, the combination of a series of cotton working machines, mechanism for supplying cotton to the machines, devices for controlling the delivery of cotton from said supplying mechanism to the machines, and means whereby said devices control the operation of said supplying mechanism.

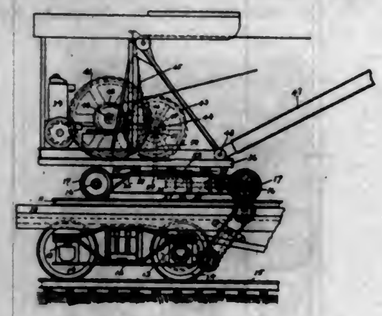
1,630,376. TENSION MECHANISM. JASPER DERBY, Medford, Mass., assignor to Andrew Terkelsen, Boston, Mass. Filed Oct. 20, 1924. Serial No. 744,860. 6 Claims. (Cl. 242—75.)



3. In a tire wrapping machine having means for supporting an article to be wrapped, the combination of a shuttle rotatable around the article, a rotary member upon which the roll is mounted carried by said shuttle, an arm engaging the periphery of the roll, a stud connected with said shuttle, a hub movably mounted upon said stud by which said arm is carried, a second stud projecting laterally from said movable hub, a one-piece brake lever pivoted intermediate its ends upon the shuttle and at one end peripherally engaging said rotary member, and a spring connecting the other end of said lever with said laterally projecting stud.

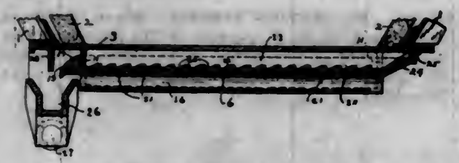
1,630,377. PROPELLING MECHANISM FOR CRANES. EUGENE G. DEUCHER, Cleveland, Ohio, assignor to The Universal Crane Company, Elyria, Ohio, a Corporation of Ohio. Filed Mar. 1, 1926. Serial No. 91,640. 22 Claims. (Cl. 105—28.)

1. A traveling power crane structure comprising a vehicle, a base movably mounted on said vehicle, a rotatable superstructure mounted upon said base, an engine carried by said superstructure, mechanism connected



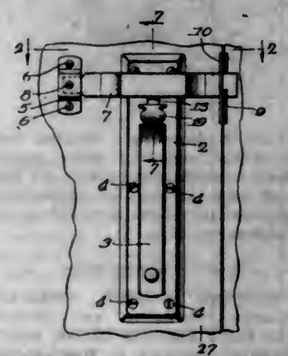
with said engine for propelling said base upon said vehicle, and mechanism adapted to be connected with the base propelling mechanism for propelling said vehicle.

1,630,378. ASH GATE. FRANK H. DUNBAR, Cleveland, Ohio. Filed Oct. 22, 1924. Serial No. 745,170. 6 Claims. (Cl. 110—171.)



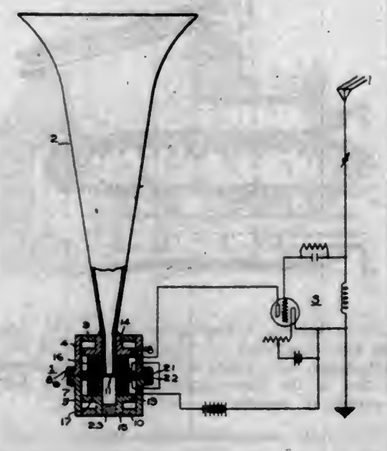
1. A hopper provided with a bottom discharge opening, a frame surrounding said opening, a door associated with said frame and slidable to open or close the opening, depending flanges at the sides of the frame and upwardly extending flanges carried by the door at each side thereof to form a channel for said depending flange of the frame.

1,630,379. DOOR LATCH. PETER FRANTZ, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a Corporation of Illinois. Filed Aug. 28, 1925. Serial No. 53,010. 6 Claims. (Cl. 292—231.)



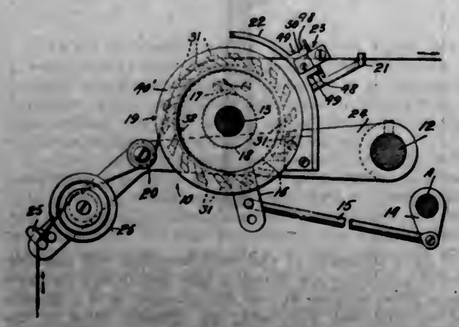
1. A door latch for doors of different thicknesses, comprising a latch bar, a pivoted lifting piece for raising said bar, the bar and lifting piece having the same relation for doors of different thicknesses, a thumb piece for one side of the door, a thumb piece for the other side of the door, one thumb piece extending over the other below said lifting piece, and means to fulcrum and support each thumb piece, so that each thumb piece has the fulcrum point thereon for doors of different thicknesses, whereby depression of either thumb piece will cause said lifting piece to raise the latch bar.

1,630,380. LOUD-SPEAKER UNIT. CLINTON R. HANNA, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 8, 1925. Serial No. 28,792. 6 Claims. (Cl. 179—114.)



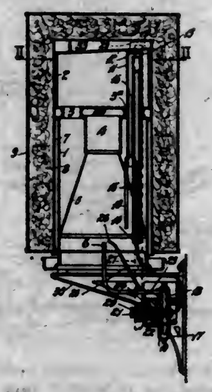
5. A telephone receiver device comprising a diaphragm, a tubular pole piece, a magnetizing coil thereon, a conical, non-conductive non-resonant annular disk adjacent said diaphragm, and surrounding the end of said pole piece.

1,630,381. METHOD AND APPARATUS FOR CLEANING YARN. LOUIS B. HASBROUCK, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y., a Corporation of New York. Filed Apr. 23, 1926. Serial No. 104,010. 22 Claims. (Cl. 28—68.)



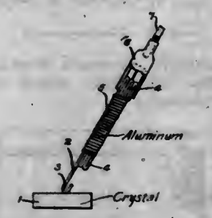
1. The method of cleaning yarn, which comprises applying cleaning means to a travelling yarn in such relation thereto as to remove particles and some fibrous matter from the yarn, so changing the relation of the cleaning means to the travelling yarn that the yarn draws from the cleaning means the fibrous matter and particles collected therein, and removing such fibrous matter and particles from the yarn at a further point in its travel.

1,630,382. WATER HEATER. PETER STEWART HANTON and JAMES DICK, Kew, Victoria, Australia. Filed Sept. 28, 1924, Serial No. 739,355, and in Australia Oct. 8, 1923. 8 Claims. (Cl. 122—160.)



1. In a domestic water heater, a burner, a container for water to be heated by said burner, an intake chamber of substantial height within said container and having a lower open end freely communicating with the interior of said container, and an upper end closed except for one or more restricted passages communicating with said container, means for admitting supply water to the upper part of said chamber, and temperature-responsive means within said chamber for controlling the supply of fuel to said burner, said temperature-responsive means being in a position to be actuated by the incoming supply water.

1,630,383. DETECTOR. EARL J. HAVERSTICK, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 28, 1923. Serial No. 648,228. 6 Claims. (Cl. 250—31.)

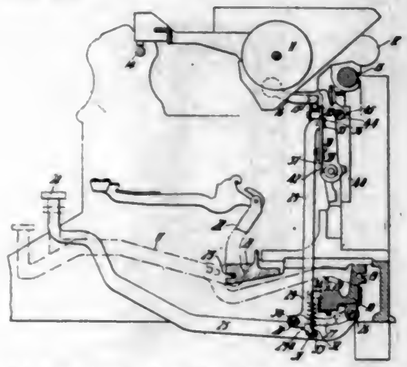


3. A rectifier comprising a sensitive crystal, an aluminum wire, the wire being bent upon itself whereby a portion thereof is reinforced, a clamp engaging one end of the reinforced portion, said wire having a bend beyond the other end of the reinforced portion, the rounded portion of said bend contacting the crystal.

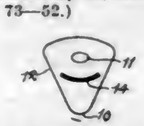
1,630,384. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 20, 1924. Serial No. 700,460. 5 Claims. (Cl. 197—91.)

2. In a typewriting machine having a carriage and a rack, a back-spacing mechanism for the carriage comprising a key-operated lever, a link extending therefrom, a back-spacing dog movable by said link first laterally into mesh with said rack and then in a direction longitudinal of the rack to back-space the carriage, and a single spring connected to said link to tend to co-operate with the key to shift the dog into mesh with the rack

at the start of the depression of the back-spacer key, and to return all the parts to normal positions at the relief of the key from pressure, said link being in the form of an elbow-lever, one arm of the elbow-lever being connected to the key-lever and the other arm being connected to the back-spacing dog to shift it into mesh with the rack, and said spring connected to the elbow to serve as a yielding fulcrum for said lever to co-operate therewith in shifting the dog at the beginning of the key-stroke.

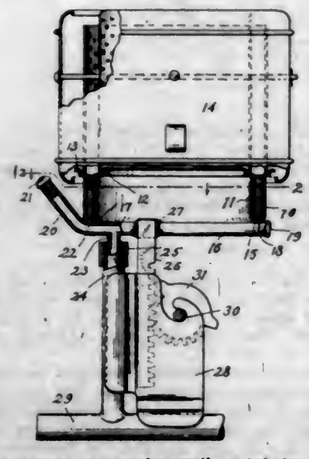


1,630,385. THERMOMETER. ALFRED T. HESPE, East Orange, N. J. Filed July 16, 1924. Serial No. 726,230. 4 Claims. (Cl. 73—52.)



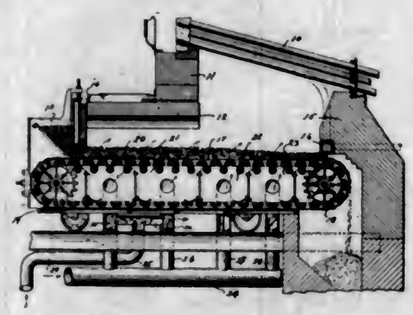
1. A glass tube thermometer having a longitudinal and translucid colored member arranged within the glass and between the mercury column and the observation side of the thermometer, said colored member being of a color contrasting with that of the body of the thermometer.

1,630,386. OIL STOVE. RUDOLPH HOFFMAN, Cleveland, Ohio. Filed Nov. 30, 1925. Serial No. 72,297. 4 Claims. (Cl. 158—42.)



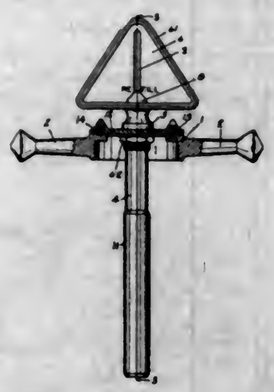
1. In burners, an annular well, a tubular member secured to the bottom of said well and extending across the same and provided with an upwardly inclined extension at one side of the well, a supply pipe secured to said member and having communication with the interior of the well through said member, said member being flattened between the sides of said well, and a guiding and lifting member secured to said flattened portion.

1,630,387. METHOD AND APPARATUS FOR BURNING FUEL. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed July 19, 1921. Serial No. 485,869. 8 Claims. (Cl. 110—40.)



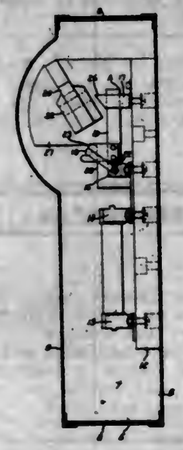
4. In a furnace, a mechanical stoker and means to supply superoxygenized air to selected parts of the grate of said stoker, said stoker being arranged to present the fresh fuel to the superoxygenized air supply and then to a normal air supply.

1,630,388. WATER GAUGE FOR AUTOMOBILE RADIATORS. LEWIS A. JARVIS, Grand Rapids, Mich. Filed May 1, 1922. Serial No. 557,618. 2 Claims. (Cl. 73—82.)



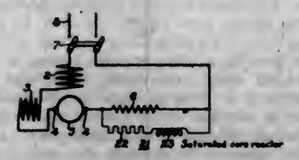
1. In a structure of the class described, the combination of a radiator cap having a hole therein and also having a filling opening at one side provided with a closure, the opening and hole being on opposite sides of the center of the cap, a dial member provided with an integral tubular shank disposed through said hole in said cap and secured therein, said dial member comprising a triangular frame and a weblike plate within the frame having a vertical slot therein, a float tube secured to the lower end of said shank a float disposed in said tube, a vane slidable in said slot in said dial member, and a rod connected to said float and carrying said vane.

1,630,389. SWITCH MECHANISM. OLIVER S. JENNINGS, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No. 493,241. 11 Claims. (Cl. 200—151.)



1. A barrier for a switch having a movable blade member comprising an insulating plate provided with a slot having an enlarged portion through which the end of the blade member passes in moving to closed position.

1,630,390. ALTERNATING-CURRENT MOTOR. KURT KRAUSS, Berlin-Friedenau, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 28, 1925, Serial No. 33,331, and in Germany May 28, 1924. 3 Claims. (Cl. 171—228.)

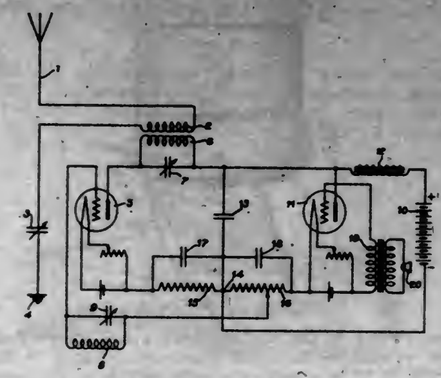


1. In an alternating-current commutator series motor, a commutating-pole winding and means connected in parallel to said winding for producing a predetermined variation in the magnitude and phase of the current in said winding relatively to the motor current in response to the variation of said last-mentioned current.

2. The combination with an alternating-current motor comprising a serially connected field winding, an armature having a commutator winding and a commutating-pole winding, of a shunt connected in parallel to said commutating pole winding to control the current therethrough, said shunt comprising a resistor and means offering a substantially constant reactive voltage drop independently of the current flowing therethrough.

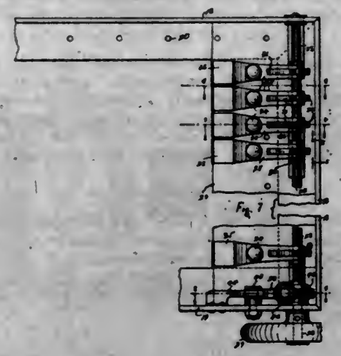
3. The combination with an alternating-current motor comprising a field winding, an armature having a commutator winding and a commutating-pole winding, said windings being connected in series, of impedance means connected in shunt to said commutating-pole winding, said impedance means embodying a resistor and a serially connected, iron-core choke coil, said choke coil operating above the knee of the saturation curve over substantially the entire operating range.

1,630,391. MODULATION SYSTEM. LUDWIG KÜHN, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921, Serial No. 498,185, and in Germany Dec. 1, 1920. 6 Claims. (Cl. 179—171.)



1. In combination, a pair of vacuum-tube devices, each having a plate circuit, a source of direct-current energy connected to said plate circuits in parallel, said connection including a resistor, a condenser in parallel to said resistor, and a connection from the grid circuit of one of said vacuum-tube devices to an adjustable point on said resistor.

1,630,392. CONVEYER PLAIT PRESS. JAMES C. LEDBETTER, Brooklyn, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., a Corporation of New York. Filed Sept. 5, 1924. Serial No. 736,003. 2 Claims. (Cl. 68—9.)

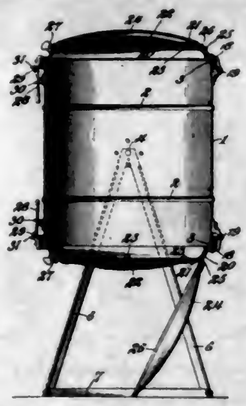


1. Plait holding means comprising a frame embodying a work support, a shaft rotatably mounted therein, a plurality of spring pressed fold retaining fingers journaled on the shaft, a ratchet wheel fixed to the shaft, a pawl attached to each finger and locking against the ratchet wheel to hold the finger down on the plait fold, and unlocking means cooperating with the shaft by which all the fingers are simultaneously lifted off the work.

1,630,393. INCINERATOR. THOMAS H. LEDDEN, Ridgway, Pa. Filed Aug. 18, 1926. Serial No. 130,004. 4 Claims. (Cl. 110—18.)

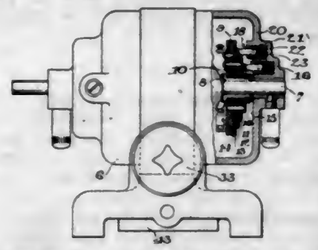
1. An incinerator having a cylindrical open-ended body member centrally pivoted at opposite sides to be turned with either end up, closure rings hinged at the ends of

the body and adapted to be locked over the same, foraminous grates carried by the rings and adapted to be swung



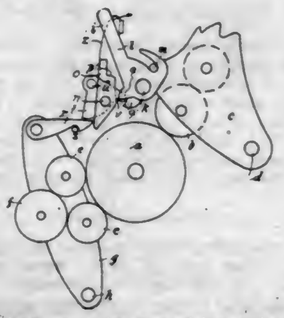
open therewith, and lids separately hinged to the rings and adapted to be locked in covering relation to the grates or to be swung open independently of the same.

1,630,394. SPEED GOVERNOR FOR ELECTRIC MOTORS. ROYAL LEE, Milwaukee, Wis. Filed Sept. 26, 1923. Serial No. 664,926. 6 Claims. (Cl. 171—222.)



1. The combination with an electric motor, of a speed controller comprising centrifugally operated breaker mechanisms for automatically maintaining the speed of the motor at any one of a plurality of predetermined speeds, and means under the control of the operator for rendering effective the mechanism maintaining the speed desired.

1,630,395. DUPLICATING APPARATUS. EDMUND LICHTENSTEIN, Berlin, Germany, assignor to Deutsche Maschinenbau- und Vertriebs-Gesellschaft m. b. H., Berlin, Germany, a firm. Filed Sept. 26, 1925, Serial No. 58,909, and in Germany Oct. 29, 1924. 7 Claims. (Cl. 101—147.)



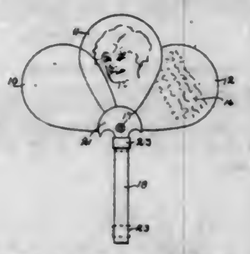
1. Duplicating apparatus comprising moistening mechanism and inking mechanism and means for preventing movement of the moistening mechanism to inoperative position until after the inking mechanism has been so moved, as well as means for preventing movement of the inking mechanism to operative position until the moistening mechanism has been so moved, both mechanisms being adapted to be so moved independently and free of compulsory connection by common engaging and disengaging means.

1,630,396. WAVING OF HAIR. WILLIAM MACDONALD and HUGH MACDONALD, Inverness, Scotland. Filed Nov. 2, 1925, Serial No. 66,371, and in Great Britain Nov. 3, 1924. 6 Claims. (Cl. 132—36.)



1. A hair-waving appliance comprising the combination of a jacket adapted for moist heat treatment of the hair, and a flexible sleeve element adapted to be mounted upon the jacket at the scalp end thereof, said sleeve having an outer beaded edge adapted to facilitate the formation of a vapour-tight joint between the tress of hair and the jacket at the scalp end thereof.

1,630,397. FAN. HYOKICHI MARUI, Osaka, Japan. Filed May 13, 1926. Serial No. 108,785. 2 Claims. (Cl. 230—33.)

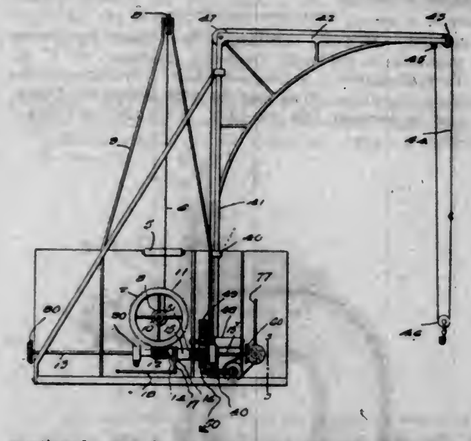


1. A fan having a plurality of blades, a projection formed integral with each blade, each said projection being disposed at a different angle to all other said projections and a common pivot for all said blades and a handle member through which said pivot passes and means upon said handle member for engaging all said projections, to retain said blades open.

1,630,398. FREIGHT-HANDLING EQUIPMENT FOR MOTOR TRUCKS. JAMES B. MCDEVITT, Uhrichsville, Ohio. Filed Jan. 21, 1926. Serial No. 82,764. 1 Claim. (Cl. 214—65.)

A power transmission means for operating a crane and hoisting mechanism and a vehicle dumping mechanism from an engine including, in combination, a drive shaft driven by the engine and having a gear at its end, a driven shaft formed transversely to the drive shaft and having a gear meshed with the first gear, a worm loose on said drive shaft, said worm having an end portion constituting the clutch member, a clutch member splined on said shaft, a third shaft alined with the second shaft and having a gear on its outer portion and another gear on its inner portion and also having a clutch member in opposed relation to said splined clutch member, a hoisting drum having a gear meshed with the third mentioned gear, an upright shaft for maneuvering a crane, a worm gear fixed to said upright shaft, a worm meshing with said worm gear, a reversible driving connection manually controlled and interposed between the third

shaft and the last mentioned worm, a dumping drum having a worm gear meshed with said first mentioned worm, and means for shifting the splined clutch member into engagement with the clutch member on the first

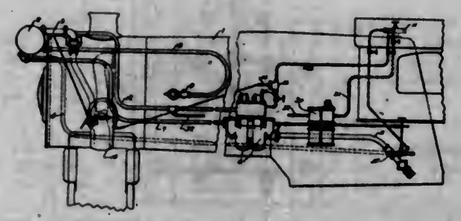


mentioned worm for operating the dumping drum or for engaging the splined clutch member with the clutch member on the third shaft for operating the hoisting drum and the reversible driving connection so that the crane may be maneuvered.

1,630,399. FORGING MACHINE. NEAL TRIMBLE MCKEE, Mount Vernon, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Apr. 25, 1922, Serial No. 634,633, and in Great Britain May 19, 1922. 3 Claims. (Cl. 78—82.)

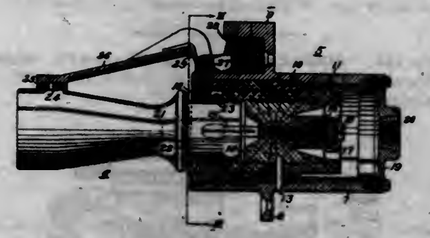
3. In a forging machine, the combination of a pair of gripping dies, a pair of forging dies alined with them, one die of each pair being mounted to a fixed portion of the machine, the other dies being mounted each to a lever, a cross-lever engaging both levers, a toggle joint the movable end of which engages the cross lever at its mid-point by means of a spherical joint, a cylinder, a piston reciprocable in the cylinder, means operatively connecting the piston to the middle joint of the toggle, and means to admit pressure fluid to the cylinder.

1,630,400. FEED-WATER HEATER ARRANGEMENT. NEAL TRIMBLE MCKEE, Bronxville, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Sept. 30, 1925. Serial No. 59,505. 4 Claims. (Cl. 122—441.)



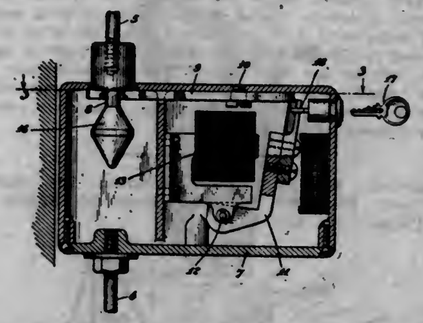
1. In a locomotive the combination of an exhaust steam, feed-heater, a pipe supplying exhaust steam from the main engine to it, a pipe supplying feedwater to it, a pipe carrying feedwater from it to the boiler, a pump supplying water to said second named pipe, a pipe supplying steam to the pump, a steam pipe supplying live steam to the main engine, and a valve in the pump steam pipe responsive to pressure conditions in the main engine steam pipe to open when the pressure is above a certain point and to close when it is below such point.

1,630,401. CONNECTER. HARRY R. MEYER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 17, 1920. Serial No. 381,841. 5 Claims. (Cl. 173—338.)



1. A connecter, comprising a pair of terminal members movable axially into conductive engagement and provided with interlocking means adapted to be moved into operative attaching engagement by relative rotary movement of the members about their axes and to prevent separation of the members, and means hinged to one of the members and adapted to operatively engage the other member to prevent relative rotary movement of the members.

1,630,402. SAFETY DEVICE. JAMES B. MONAHAN, New York, N. Y., assignor to Litho Etching Corporation, New York, N. Y., a Corporation of New York. Filed July 29, 1925. Serial No. 46,755. 6 Claims. (Cl. 192—129.)



1. A safety device for a machine of the character set forth including: a connecting rod consisting of two members, an actuating device for one of said members, a casing carried by one of said members, a latch engaging member on the other of said members to enter the casing, a complementary latching member within the casing, and means extraneous of the casing to control engagement of said latching members.

1,630,403. RATCHET-OPERATING DEVICE. HARRY ALTON MORRIS, Marietta, Ohio. Filed Aug. 13, 1925 Serial No. 50,047. 3 Claims. (Cl. 74—54.)

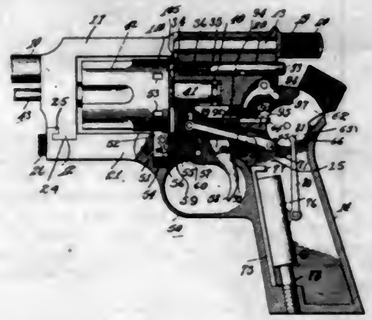
1. The combination with a rotatable shank and a wheel mounted thereon and provided with peripheral notches, of a lever journaled on said shank, a bolt slidably supported by the lever and engageable with the notches

in the wheel when moved inwardly, a spring normally holding the bolt in its outermost position, an extension handle having a socket slidable longitudinally on the outer end of the lever, and means within the socket en-



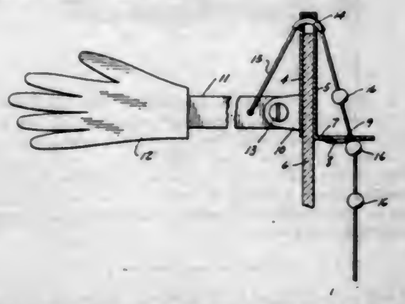
gageable with the outer end of the bolt when the handle is moved inwardly and operable when so moved to move the bolt in opposition to the spring and into engagement with one of the notches, whereby the wheel and shank may be rotated by swinging the handle.

1,630,404. FIREARM. GUSTAVO NICHOLSON, Aquino, Paraguay. Filed July 11, 1925. Serial No. 43,026. 6 Claims. (Cl. 42—62.)



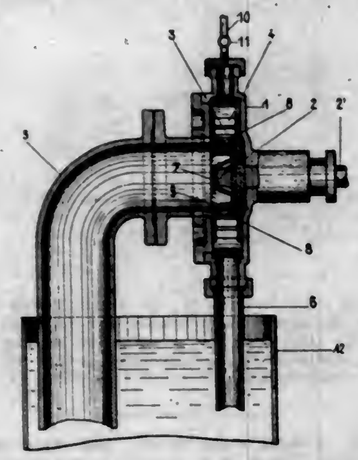
1. A firearm including a frame, a barrel, a cylinder, a hammer, and a trigger, means operable by the trigger, upon initial movement thereof, for cocking the hammer, trigger actuated means for rotating the cylinder upon partial movement thereof, means on the rotating means for engagement with the hammer when the latter is in cocked position to hold the same in such position until the cylinder has been rotated, and means operable by the trigger, upon final movement thereof for completing the movement of the rotating means whereby to release the hammer holding means.

1,630,405. SIGNAL. HOMER L. NIHELL, Los Angeles, Calif. Filed Feb. 10, 1926. Serial No. 87,258. 3 Claims. (Cl. 116—52.)



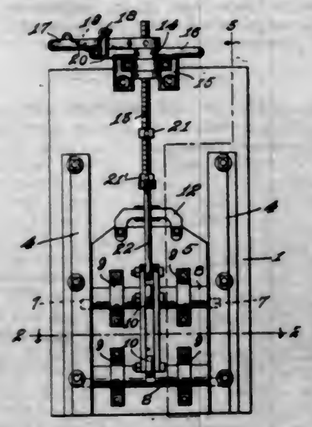
1. A direction indicator unit comprising a body arranged to detachably straddle and rest upon an upright panel, a swingable visual indicator mounted on the outside wall of said body, a line passing over the top of said panel and to the inside wall thereof and secured at the other end to said indicator, spaced abutments on said line, an outstanding member on the inside of said body having a way through which said line may pass but which said abutments will bridge and thereby will hold said line and maintain said indicator in selected angular position.

1,630,406. MIXING APPARATUS. HANS PRILLWITZ, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the Main, Germany. Filed Aug. 20, 1925, Serial No. 51,470, and in Germany Aug. 29, 1924. 2 Claims. (Cl. 259—96.)



1. Mixing apparatus of the turbine or centrifugal pump type, comprising a casing, a paddle-wheel in the said casing rotated by an external driving mechanism, a supply pipe having an inner diameter approximating the inner diameter of the paddle-wheel and extending into the interior cylindric opening of the said paddle-wheel, the end of the said supply pipe being provided with a large number of slots in the proximity of the paddles of the said wheel, and a pipe extending from the delivery side of the said paddle-wheel.

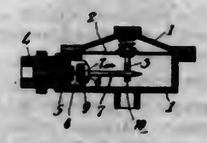
1,630,407. DITCH GATE. PRESTON ROOTS, San Benito, Tex. Filed Aug. 20, 1926. Serial No. 130,533. 2 Claims. (Cl. 251—56.)



1. A water gate of the class described comprising a frame, guideways therein, a gate slidably mounted between the guideways, shafts rotatably mounted on the

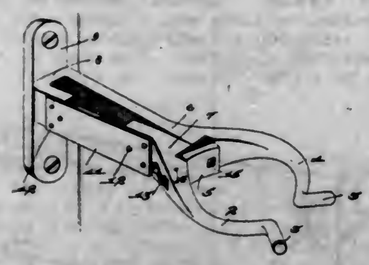
gate and having eccentric ends engaging the guideways, an arm on each shaft, a rod connected with the arms and having a horizontal part provided with a threaded hole, a screw shaft connected with the top of the gate and passing through the said hole, a nut member rotatably supported and through which the shaft passes, a handle on the nut member and a handle on the shaft.

1,630,408. GAS-PRESSURE REGULATOR. HANS ROSENTHAL, Berlin, Germany. Filed Nov. 12, 1925, Serial No. 68,722, and in Germany Nov. 18, 1924. 2 Claims. (Cl. 50—20.)



1. A gas pressure regulator of the character described, including a casing having inlet and outlet openings, a pressure responsive device situated within the casing, a socket member insertable in the inlet opening of the casing in the direction of flow, a valve mounted on the socket member, a valve rod, an enlarged end on said valve rod, a forked-shaped extension projecting from the socket member, a pin for mounting the enlarged end of the valve rod for oscillatory movement between the forked-shaped extension, the valve and valve rod being mounted on the socket member so as to be removable therewith, and a stud secured to the membrane and engaging said valve rod.

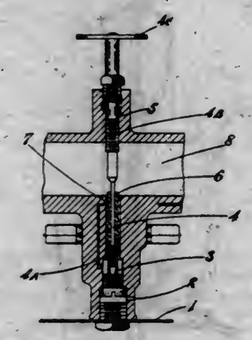
1,630,409. MILK-BOTTLE HOLDER. THOMAS C. ROUSE, Washington, D. C. Filed Dec. 8, 1925. Serial No. 74,092. 4 Claims. (Cl. 232—41.)



1. A milk bottle holder comprising a pair of jaws, and a resilient element constituting the support of one of the jaws and additionally tending to hold the jaws in the closed position to thereby provide the sole support for a milk bottle.

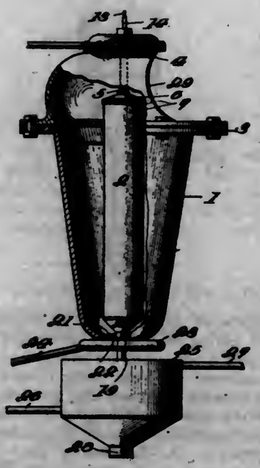
1,630,410. FUEL ATOMIZER. WILLIAM STEVENSON, Dunedin, Otago, New Zealand. Filed Jan. 30, 1925. Serial No. 5,833. 2 Claims. (Cl. 261—118.)

1. In a device of the character described, in combination, a mixing chamber, a channel leading to the mixing chamber, a nozzle projecting into the lower end of the channel, a needle valve projecting downwardly into the channel and coacting with the nozzle, a tubular atomizer arranged through the channel and engageable about the nozzle and having a bore wherethrough the needle valve operates and having its lower portion adjacent its point of connection with the nozzle provided with openings and



also having a series of superposed annular ridges formed on its outer surface for cooperating with the surrounding wall of the channel to break up and atomize the fuel as it passes through the channel prior to entering the mixing chamber.

1,630,411. PROCESS OF TREATING LATEX AND PRODUCT THEREOF. WILLIAM BURTON WESCOTT, Dover, Mass. Filed June 27, 1925. Serial No. 40,118. 5 Claims. (Cl. 18—50.)

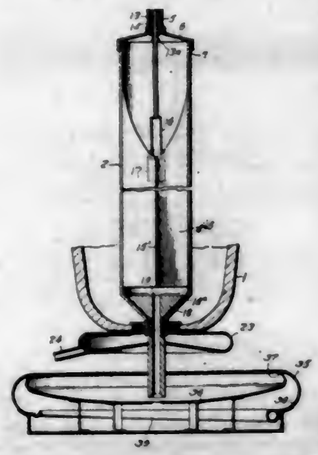


1. The process of making rubber preparations which comprises concentrating a caoutchouc latex in a centrifugal and spraying the so-concentrated material under drying conditions.

1,630,412. CENTRIFUGAL MACHINE. WILLIAM BURTON WESCOTT, Dover, Mass. Filed Nov. 7, 1925, Serial No. 67,614. Renewed Dec. 1, 1926. 15 Claims. (Cl. 232—14.)

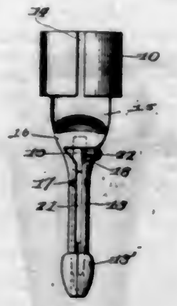
1. A centrifugal liquid separator for the separation of composite liquids into light and heavy components, com-

prising a rotor, means for supporting and rotating the same, means for supplying liquid to be separated to the rotor, means for facilitating separation within the rotor



and means for supplying a washing liquid to the lighter layer during such separation and means for discharging separated liquids at different points.

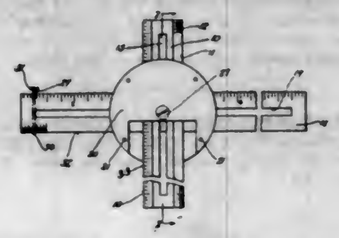
1,630,413. CLIP AND PENCIL FOR FOUNTAIN PENS. RAMON G. ANTONIO, Manila, P. I. Filed Apr. 5, 1922. Serial No. 549,867. 1 Claim. (Cl. 120—1.)



As an article of manufacture, a pencil comprising a tubular body having an enlarged outwardly tapering head on one end and a split ring on the other end for attachment to a support, the body being formed with a longitudinal slot between the head and split ring, one wall of the slot having lateral notches intermediate its ends, a tapering and longitudinally split pencil head holder slidable and rotatable in the tubular body and having a finger-piece arranged to be grasped to slide and rotate the holder and for engagement interchangably in said notches to hold the holder in different positions within the tubular member, the smaller end of the holder being adapted to be wedged in said head whereby to cause the holder to firmly grip the lead while a portion thereof projects beyond the head.

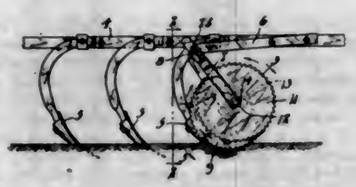
1,630,414. TOOL. WALTER BAIER, New York, N. Y. Filed Feb. 14, 1925. Serial No. 9,117. 3 Claims. (Cl. 33—103.)

1. A tool comprising a base disk, a scale therein, said base disk having a recess receiving said scale, a sighting disk having a recess therein, said sighting disk mounted on said base disk, means securing the sighting disk to



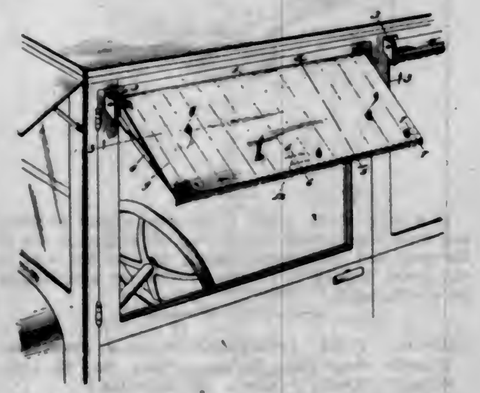
the base disk, and an additional scale slidably mounted in the sighting disk and lugs on said disks guiding said scales in longitudinal movement.

1,630,415. CULTIVATOR SHIELD. EDWARD E. BLUME and CARL ANDERSON, Claremont, Minn. Filed May 7, 1925. Serial No. 28,607. 9 Claims. (Cl. 97—188.)



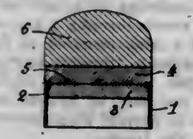
1. A shield for cultivators and analogous implements comprising a frame adapted to be carried at one side of a plowing element of an implement, a deflecting member journaled in said frame, and a member carried by said frame and contacting the ground adapted to drive said deflecting member in the opposite direction from the movement of the implement, and constituting a guard for preventing plowed material from spreading to the land side of said shield.

1,630,416. AWNING. CHARLES L. CLEMENTI and EDDIE W. HILDEBRANDT, Pueblo, Colo., assignors to The Auto Roller Awning Manufacturing Company, Pueblo, Colo., a Corporation of Colorado. Filed June 25, 1926. Serial No. 118,546. 4 Claims. (Cl. 156—44.)



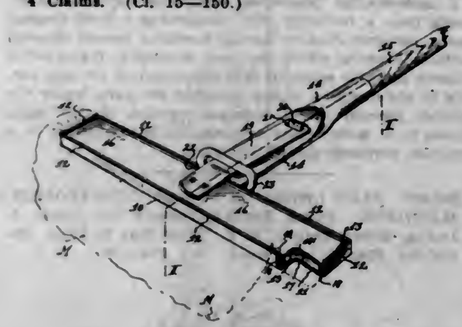
1. An awning comprising a spring roller, brackets therefor, arms pivoted at their inner ends to the brackets and having their outer ends oppositely curved and longitudinally slotted, a rod passing through and supported in the outer slotted ends of the pivoted arms and an awning fabric attached to the spring roller and automatically wound thereon, and having its outer portion engaging the said rod at the ends and intermediate the ends thereof.

1,630,417. METHOD FOR SECURING LEATHER DISKS TO THE ENDS OF BILLIARD CUES. THEODORE DETROYES, Villeneuve-sur-Yonne, France. Filed Dec. 15, 1925, Serial No. 75,645, and in France Dec. 20, 1924. 2 Claims. (Cl. 273—70.)



1. In an arrangement for securing the billiard disks to the ends of billiard cues, the combination of a ring having a circular flange, said flange being internally disposed in such manner as to form a cap adapted for the insertion of the accurately formed end of the cue, a disk engaged in the said ring and in contact with the flange, a second disk in contact with the outer face of the said flange, the two disks being suitably secured together, and a billiard disk which is cemented to the outer face of the last-mentioned disk.

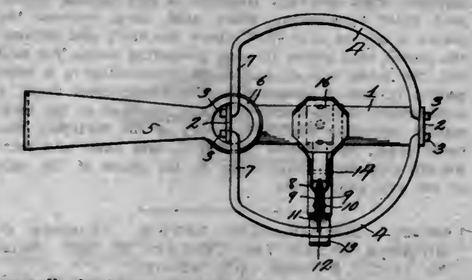
1,630,418. MOP HOLDER. URBANE J. EWING and ADA F. EWING, Wilkinsburg, Pa., assignors to Pittsburgh Lavatory Supply Inc., Pittsburgh, Pa., a Corporation of Delaware. Filed May 24, 1926. Serial No. 111,298. 4 Claims. (Cl. 15—150.)



1. A mop holder comprising a base section provided about its periphery with a raised web forming a shallow recess or pocket, a rod in substantially the same plane as the plane of the base section and attached thereto to one of the sides of the base section, a dished clamping member of less depth than the depth of the recess or pocket formed on the base section and adapted to fit with a slight clearance within the recess or pocket and below the top edges of the web of said base section and means for holding said dished clamping member within said recess or pocket of the base section with the recesses of said clamping member and base section facing each other.

1,630,419. TRAP. FRANK FORTIN, Washburn, Wis. Filed Oct. 16, 1925. Serial No. 62,742. 3 Claims. (Cl. 43—95.)

1. The combination with a trap comprising a base, pivoted cooperating bails carried by said base, of a latching and releasing mechanism, said mechanism comprising a bracket carried by the base and extending towards one of the bails when said bail is in open position, upwardly extending flanges carried by said bracket, a pawl pivotally mounted between said flanges, the outer end of said pawl being in the path of the bail and adapted to engage over the bail when the bail is in open position, a pivoted plate carried by the bracket, spring means for



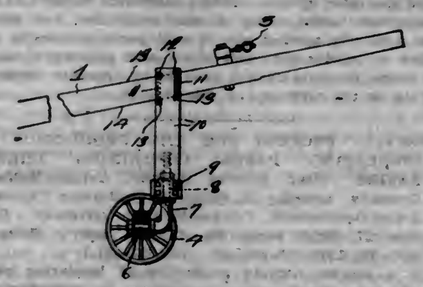
normally forcing the pivoted plate upwardly, and a roller carried by the inner end of the pivoted pawl and engaging over the pivoted plate adjacent its pivotal point.

1,630,420. PLUGGING KNIFE. RICHARD GARLAND, Junction City, Kans. Filed Dec. 22, 1925. Serial No. 77,038. 1 Claim. (Cl. 146—53.)



As a new article of manufacture, a knife for plugging watermelons, the same including a handle portion and a blade portion, the blade portion being offset at its juncture with the handle portion, the handle portion, as well as the blade portion being of arcuate design in cross section, the side edges of the blade being sharpened and tapering gradually toward the lower free end of the blade portion.

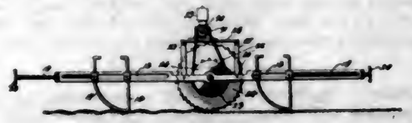
1,630,421. MOWING-MACHINE-TONGUE SUPPORT. THOMAS A. GEORGE, Fancy Farm, Ky. Filed Sept. 21, 1921. Serial No. 502,165. 1 Claim. (Cl. 280—82.)



A tongue supporting device for a mowing machine, said support comprising dowawardly extending spaced parallel plates, the upper ends of said plates engaging opposite sides of the tongue, U-bolts extending through the plates and securing the same to the tongue, a bear-

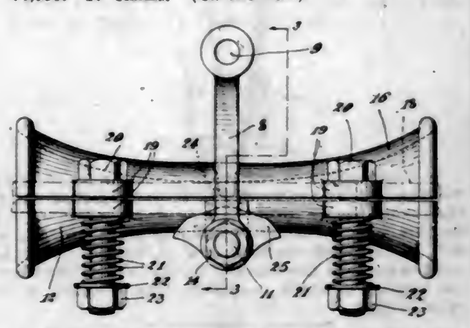
ing block disposed between the lower ends of the plates, transversely disposed bolts extending through the lower ends of the plates and the bearing block, a vertically disposed shaft pivotally mounted in the bearing blocks, said shaft terminating above said block between the plates, a nut on said shaft above the block and between the plates, said plates forming protecting means for said nut, the lower end of said shaft terminating in a rearwardly extending horizontally disposed integral shaft, a horizontally disposed axle pivotally mounted on the rearwardly extending shaft rearwardly of the vertically disposed shaft, and wheels pivoted to said axle, said rearwardly extending shaft being in the plane of the axis of the axle and wheels.

1,630,422. ROAD-PLANING DEVICE. CLARENCE O. GILLESPIE, El Paso, Tex. Filed Dec. 28, 1925. Serial No. 78,021. 5 Claims. (Cl. 262—19.)



1. In a machine of the character described, a frame, a rotary cutting element mounted in said frame, guide members supporting the opposite ends of the frame and opposite sides of said cutting elements, and means for adjusting said guide members longitudinally of said frame toward and away from said cutting members.

1,630,423. CABLE SUPPORT. ARTHUR WILLIAM GOTHBERG, Newark, N. J. Filed Dec. 22, 1925. Serial No. 76,950. 17 Claims. (Cl. 248—31.)

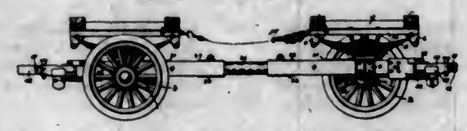


1. In combination with cable suspension means pivoted at its upper end for swinging movement, a cable support connected with the lower end of said suspension means, said support including complemental parts to clampingly hold the cable against shifting movement relative to the suspension means under normal conditions, and means for positively moving one of said parts relative to the other to release the cable when said suspension means is swung from its normal position by excessive tensional strain on the cable at one side thereof.

1,630,424. PROCESS FOR THE PRODUCTION OF INSULATING PAPER CONTAINING PHENOL RESINS. CARL AUGUST HAANEN, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Filed Nov. 27, 1926, Serial No. 151,260, and in Germany Apr. 29, 1926. 3 Claims. (Cl. 92—21.)

1. A process for the production of insulating paper containing phenol resins, consisting in replacing the water in the fibrous pulp by solvents for phenol resins, adding solutions containing phenol resins, precipitating the phenol resin in and upon the fibres by the addition of water and working up the fibrous material to form paper and pressed articles.

1,630,425. TRAILER. ERNEST F. HARTWICK, Detroit, Mich., assignor to Detroit Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed May 6, 1922. Serial No. 558,932. 4 Claims. (Cl. 280—33.55.)



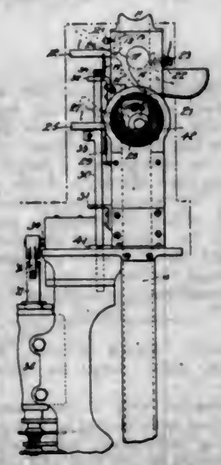
1. A vehicle consisting of a pair of trucks, each embodying an axle, wheels therefor, a pair of springs mounted on the axle and a bunk mounted on the springs, means connecting the bunks to transmit tractive force from one truck to the other, a reach rotatably mounted in both trucks whereby one may be hauled and steered by the other and means to prevent longitudinal movement of the reach relative to the trucks.

1,630,426. SLUB CATCHER. LOUIS B. HASBROUCK, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y., a Corporation of New York. Filed July 30, 1924. Serial No. 729,052. 9 Claims. (Cl. 28—64.)



1. A device for eliminating slubs, bunches and enlargements from a traveling yarn, comprising a fixed element and a movable element having normally spaced opposed surfaces between which the yarn is drawn, the movable element being so mounted that movement of its said surface in the direction of the travel of the yarn, under the friction thereon of an enlarged portion of the yarn, causes it to move bodily towards the fixed element in a direction perpendicular to the yarn.

1,630,427. SLUG DETECTOR FOR COIN-CONTROLLED MACHINES. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed May 6, 1922. Serial No. 558,947. 7 Claims. (Cl. 194—98.)



1. In a slug detector for coin controlled machines, a coin chute having openings in the sides thereof, magnifying lenses, and ring members arranged to engage and

retain the same in said opening, a coin detent mounted in said ring member arranged to operate in said chute opposite said lenses to arrest and retain a deposited coin, and means for releasing said detent.

1,630,428. TAKE-UP MOTION FOR LOOMS FOR WEAVING. JOHN HENRY HINDLE and THOMAS HINDLE, Haslingden, England. Filed Sept. 30, 1925. Serial No. 59,737, and in Great Britain Dec. 17, 1924. 2 Claims. (Cl. 139—308.)



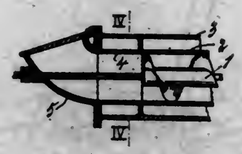
1. A take up motion for looms comprising two rollers placed vertically one above the other below the breast beam of equal diameter driven in the same direction at equal speed in combination with a jockey nip roller held in a loop of the cloth tightly against the peripheries of the other two rollers, a lap roller to take up the cloth therefrom, a frame in which the lap roller is mounted, a driving roller journalled in the same frame upon which the lap roller is rotated and means to drive the rollers substantially as described.

1,630,429. DEVICE FOR FACILITATING THE MARKING OF DOORS AND DOOR JAMBS FOR HINGES. GERD HOBBISIEFKEN, Burlington, Iowa. Filed Mar. 25, 1926. Serial No. 97,350. 3 Claims. (Cl. 33—194.)



1. A device to facilitate the marking of doors and door jambs for hinges, consisting of an elongated bar of general planular nature of the approximate length of a door and having a width approximately equal to the thickness of a door, and comprising a middle section and end sections provided each with a rectangular opening for locating the hinge, the sections having means for securing them together in aligned relation and providing for their adjustment relatively to each other to bring the upper and lower hinge openings towards or away from said middle hinge opening, and the upper section having an upper hooked flange from which the device is suspended from the door, and the lower section having a lower hooked flange adapted to bear against the bottom of the door to gage the adjustment.

1,630,430. SIEVE PLATE FOR SCREW PRESSES. KRISTIAN HOLTER and OLAF QVILLER, Oslo, Norway. Filed Apr. 15, 1926, Serial No. 102,286, and in Norway Feb. 2, 1926. 1 Claim. (Cl. 100—48.)



In a screw press for removing water from aqueous substances, pulps etc., the combination of a screw, a sieve plate surrounding the screw having an outlet end, said sieve plate in a zone adjacent to the outlet being made with a polygonal cross section, whereas the other part of the sieve plate is made circular in cross section.

1,630,431. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 29, 1922. Serial No. 578,292. 9 Claims. (Cl. 250—27.5.)

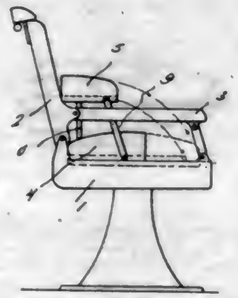


1. In an electron discharge device, a pair of insulating members, a pair of metallic supporting members extending between said insulating members, each of said supporting members having one end threaded and a notch adjacent one end of said thread, a filament supported between said insulating members, said filment having its ends arranged in said notches, a sleeve on each of said supporting members for gripping an end of said filament against said member, and a nut on each of said supporting members for holding said sleeve in gripping position.

1,630,432. SEAT FOR BARBERS' CHAIRS. REX HYDORN and DAVID FORSYTH, Bonners Ferry, Idaho. Filed Feb. 6, 1926. Serial No. 86,665. 2 Claims. (Cl. 155—132.)

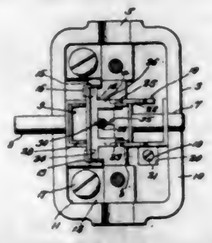
1. A seat comprising two sections arranged in one position end to end, and one section shiftable from the said position to and from an elevated position, a swingable connection between the two sections, and auxiliary means on one section for assisting said swingable connection

in the support of said section in its elevated position; the last-named section being provided with a U-shaped recess in its underside, and the said auxiliary means be-



ing in the form of a U-shaped support, pivotally connected to said section and movable in and out of the recess thereof.

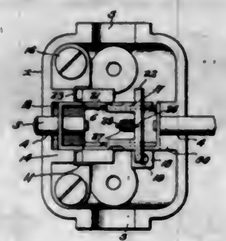
1,630,433. PUSH-THROUGH SWITCH. WILLIAM ILE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed Aug. 18, 1925. Serial No. 50,924. 7 Claims. (Cl. 200—72.)



1. An electric switch of the class described including snap switch mechanism comprising a support having side and end walls, the side walls having aligned recesses opening through the upper edges of the sides, the ends of the support having aligned openings, a slide guided in the support and having terminal push buttons slidable through said end openings of the support, said slide having a pair of arms at each end, a movable switch member fulcrumed in said recesses and arranged to be engaged and positively actuated by the pairs of arms of said slide, and a spring connection betwen the slide and the movable switch member against the action of which the pairs of arms of the slide operate the switch member.

1,630,434. ELECTRIC SWITCH. GEORGE MANN, Jackson, Mich., assignor, by mesne assignments, to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed Nov. 30, 1925. Serial No. 72,251. 1 Claim. (Cl. 200—72.)

An electric switch including a hollow insulating casing composed of approximately semi-cylindrical sections, one of the sections being provided with spaced enlargements recessed to form seats and provided with projecting flanges located at the space between the said enlargements and forming continuations of the walls of the said space, said section of the casing being also provided with spaced inwardly extending flanges at its opposite side, stationary switch blades secured in the recesses of the said enlargements, snap switch mechanism comprising an oblong support fitting between the said enlargements and against the flanges at the opposite side of the casing, said support being also provided with a projecting attaching lug adapted to be secured to the casing, a slide operating in the support, a movable switch member fulcrumed on the support and adapted to be carried into



and out of engagement with the stationary switch blades, and a spring connection between the slide and the movable switch member.

1,630,435. ELECTRIC MASSAGE MACHINE. BENNO F. JANCKE, New York, N. Y., assignor, by mesne assignments, to Halliwell-Shelton Electric Corporation, New York, N. Y., a Corporation of New York. Filed May 18, 1925. Serial No. 30,893. 6 Claims. (Cl. 172—15.)

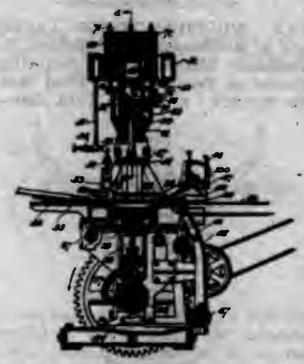


1. In an electric massage machine, the combination of a hollow supporting column, a separate motor casing wider than said column and containing a motor and connected to said column, rheostat means adapted to control the speed of said motor and located in said column, a switch casing located above said column, said casing having therein a plurality of wires connected to separate sections of said rheostat means, said casing also having a movable switch member provided with an operating head extending above said column.

1,630,436. METHOD AND MEANS FOR REPRESSING BRICKS. HOWARD K. KING, Philadelphia, Pa., assignor to Chambers Brothers Company, a Corporation of Pennsylvania. Filed July 14, 1926. Serial No. 122,402. 31 Claims. (Cl. 25—104.)

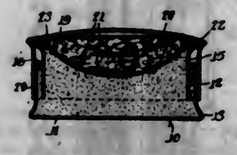
17. In a brick repressing machine, the combination of a mold box and plunger elements and operating mechanism associated and operating to bring all faces of the brick into exact dimension except the middle part of one face and to permit said middle part to project above said face to the extent required by surplus material in the brick, and means for removing said middle part to approximately the plane of the surrounding margin.

31. In a brick repressing machine, the combination of a plurality of mold boxes, a plurality of pairs of cooperating oppositely acting plungers, one of each pair of plungers being composite, comprising a panel element and a surrounding frame element, means for operating the frame elements and opposite plungers with definite strokes, means for operating the panel elements comprising communicating fluid containing cylinders, pistons operating therein, means connecting the pistons to the panel elements, a common fluid containing cylinder adapted to communicate with the first mentioned cylinders, a piston operating therein, a spring supporting element



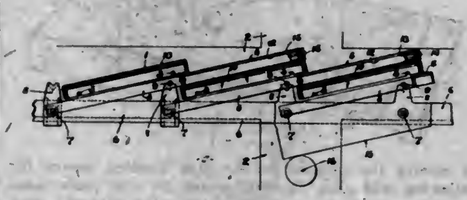
connected to said piston, a plurality of springs having their lower ends engaging said element, a top plate engaging the upper ends of said springs and connected to the means actuating the frame elements, means forming a passage having a check valve for permitting flow from the first mentioned cylinders to the common cylinder, means forming a second passage between the first mentioned cylinders to the common cylinder, a valve for controlling said passage, means operated by moving parts of the machine for controlling said valve and means for limiting the downward movement of the panel elements.

1,630,437. FACE-POWDER CONTAINER. JOHN HERBERT KJELLSTROM, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a Corporation of Illinois. Filed July 27, 1925. Serial No. 46,219. 1 Claim. (Cl. 132—82.)



A powder container having, in combination, a casing having a peripheral side wall and a closed end, a closure member comprising a perforated end wall and a peripheral side wall depending from said end wall and projecting into the side wall of said casing in telescoping relation to form a powder compartment of variable volume, the volume of said casing being substantially greater than the volume of said closure member whereby powder contained in said casing can be compressed and forced through said perforated wall by combined axial and rotary movement between said casing and the closure member.

1,630,438. WOOL, COTTON, RAG, AND THE LIKE DRYING MACHINE. WILLIAM EDWARD LAYLAND and JOHN HENRY WHITEHEAD, Leeds, England, assignors to Taylor Wordsworth and Company, Limited, Leeds, England. Filed July 8, 1926, Serial No. 121,165, and in Great Britain Apr. 30, 1926. 7 Claims. (Cl. 34—25.)



1. In a drying machine, the combination of side bars, movable trays having extensions connected to said side bars, and means supporting said extensions adjacent the movable trays.

1,630,439. COIN-CONTROLLED VENDING MACHINE. DAVID LAZAR, Long Island City, N. Y., and HARRY A. DREW, West New York, N. J.; said Drew assignor to said Lazar. Filed Mar. 16, 1923. Serial No. 625,659. 9 Claims. (Cl. 194—69.)

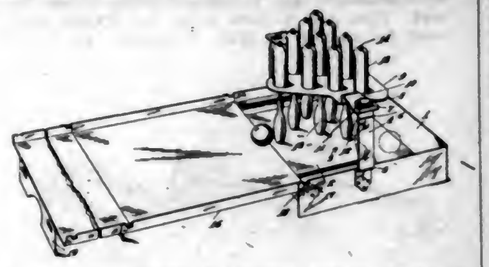


1. In a coin controlled vending machine, a container, a front cover panel therefor having an opening through which the articles to be vended may be passed, a hinged door for said opening supported in said cover, a coin slot disposed in the cover and coin chute leading downwardly therefrom, a coin ejecting device operating in said chute and comprising a yieldable trigger arrangement controlled from the outside of the cover and provided with slidable means to engage against a coin in the chute, and a door locking device operated by the forced movement of the coin by the operation of said trigger arrangement, the said device comprising a slidable bar provided with a bolt adapted to be moved through registered openings in the door and cover when the former is in closed position, means carried by the bar and disposed in the path of the coin through the chute for supporting the coin in the chute below the said trigger, whereby operation of the latter will move the bar to retract the bolt, and means for yieldably holding the bolt projected.

1,630,440. BOWLING ALLEY. RICHARD LINN LLOYD, Minneapolis, Minn. Filed Apr. 28, 1926. Serial No. 105,245. 6 Claims. (Cl. 273—44.)

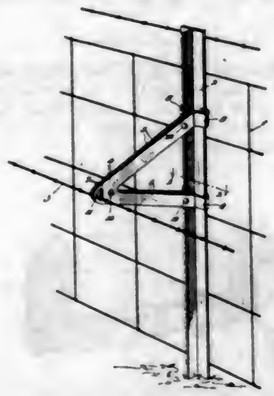
1. In a bowling alley a frame, brackets attached thereto, a plate having pin housings mounted theron, the said

plate having handles projecting therefrom, said handles having slots adapted to receive the brackets with tongues positioned therein, the said brackets having slots adapted



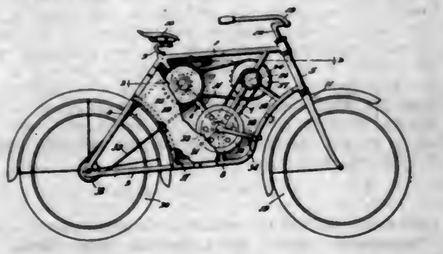
to receive the tongues in the said handles, means for gathering said pins, operable means for said plate being movable on said brackets for setting the gathered pins.

1,630,441. FENCE GUARD. GEORGE LOTZ, St. Johns, Ohio. Filed Apr. 26, 1926. Serial No. 104,741. 3 Claims. (Cl. 256—3.)



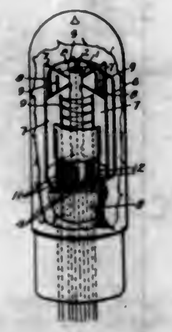
1. A fence guard comprising a bracket including a head portion formed with a pocket adapted to receive a strand of guard wire, upper and lower arms extending from said head portion in diverging relation to each other, said arms being resilient and formed with jaws adapted to engage opposite sides of a fence post, and means for drawing said jaws into gripping engagement with a fence post and retaining the bracket thereon.

1,630,442. BICYCLE. GEORGE MAKRIS, Massillon, Ohio. Filed July 29, 1926. Serial No. 125,788. 1 Claim. (Cl. 208—17.)



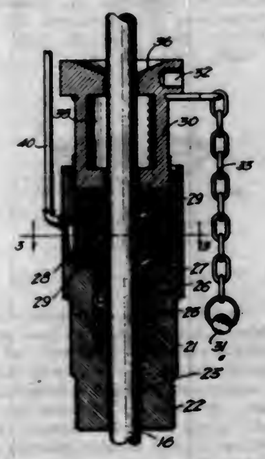
In a bicycle, a frame comprising an upper reach, a lower reach having its front portion curved upwardly and forwardly, a head tube connecting the front ends of the reaches, a fork connecting the rear ends of the reaches, a Y-brace having its vertical member connected to the lower reach and its inclined members to opposite ends of the upper reach, a stay connecting the upper curved portion of the lower reach with the forward inclined member of the Y-brace and a curved bar connecting the lower reach with the said fork, a crank shaft mounted upon the Y-brace at the intersection of its several members, a train of gearing including sprocket wheels mounted upon the inclined members of the Y-brace, and covering plates at the sides of the frame and connected at their marginal edges to members of the frame.

1,630,443. MULTIPLE-TRIODE VACUUM TUBE. FREDERICK S. MCCULLOUGH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 15, 1923. Serial No. 625,224. 18 Claims. (Cl. 250—27.5.)



1. A vacuum tube having a single cathode, a plurality of anodes and means therewithin for exerting a combined mechanical and electrical action to substantially segregate the space discharges between the cathode and the respective anodes.

1,630,444. LUBRICATING STUFFING BOX. WILLIAM L. MCLAINE, Los Angeles, and WILLARD L. BOROUGH, Fullerton, Calif. Filed Jan. 12, 1924. Serial No. 685,869. 3 Claims. (Cl. 184—24.)



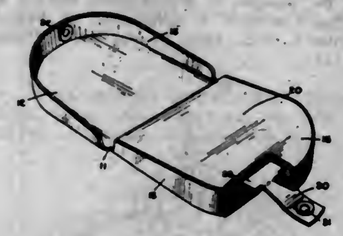
1. A stuffing box for a reciprocating rod comprising a body providing a lower packing chamber and an upper communicating oil chamber through both of which said rod passes; absorbent packing surrounding said rod within said packing chamber; an axially translatable tubular gland surrounding said rod within said oil chamber and extending into said packing chamber to engage said packing, said gland having a perforate wall permitting free passage of oil from said oil chamber to the rod and having a bore of greater diameter than that of the rod to permit unrestricted passage of oil directly to said packing; and a follower surrounding the rod and forming a closure for said oil chamber and adapted for translation to force said gland against said packing, said follower providing an auxiliary chamber to receive excess oil.

1,630,445. SHOE BOTTOM. ALBERT L. MURRAY, Auburn, Ind. Filed June 25, 1925. Serial No. 39,575. 3 Claims. (Cl. 36—32.)



1. A shoe sole having a comparatively soft rubber tread and a comparatively hard rubber welt engaging portion, the soft rubber tread being located in its entirety beneath the hard rubber portion, and renewable rubber spuds secured to the tread surface of said soft rubber tread.

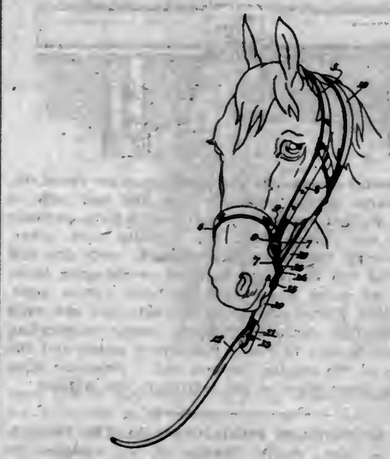
1,630,446. TRAY PURSE, TOBACCO POUCH, OR THE LIKE. GEOFFREY NICKLIN, Walsall, England. Filed Aug. 9, 1926, Serial No. 128,315, and in Great Britain July 23, 1926. 2 Claims. (Cl. 150—37.)



1. A pouch formed from a major and a minor blank of leather; the major blank divided by a fold into a back and a tray; an integral upstanding flange at the edges of the tray and at the edges of the back formed by blocking the major blank; and an integral upstanding flange at the edges of the minor blank formed by blocking said blank; the flanges on the minor blank and the back being secured face to face to form a pocket.

1,630,447. STEEL YOKE. FRANK O'DELL, Union City, Ind. Filed Sept. 14, 1926. Serial No. 135,396. 1 Claim. (Cl. 119—141.)

In a device of the character described, a main bar, a strap secured at one end of the main bar and adapted to be positioned around the neck of an animal, a transverse supporting bar secured to the main bar and curved to conform to the shape of the animal's jaw, snap hooks secured to the bar and adapted to be connected to the halter on the animal to which the device is secured to

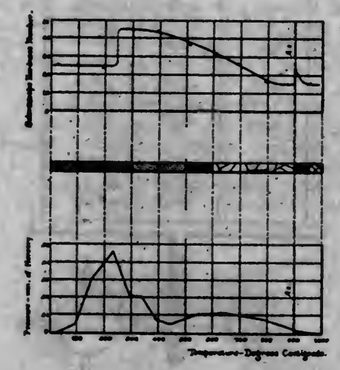


support the forward end of the device, and a pivoted rod carried at the forward end of the bar and extending outwardly therefrom.

1,630,448. STEEL ALLOY. WILHELM OERTEL, Remscheid-Hasten, Germany, assignor to Glockenstahlwerke Aktiengesellschaft vorm. Rich Lindenberg, Remscheid-Hasten, Germany. Filed July 31, 1924, Serial No. 729,370, and in Germany Jan. 9, 1922. 3 Claims. (Cl. 75—1.)

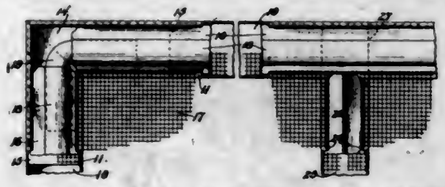
3. A steel alloy, which is highly resistant to chemical action and is of great strength, consisting of iron, 8 to 25% Cr, 0,1 to 1,2% C, 0,2 to 6% Mo, and 0,5 to 2% of Ni for increasing the ductility of the alloy when hot.

1,630,449. HEAT TREATMENT OF ELECTROLYTICALLY-DEPOSITED IRON. NORMAN B. PILLING, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 22, 1922. Serial No. 583,468. 2 Claims. (Cl. 148—13.)



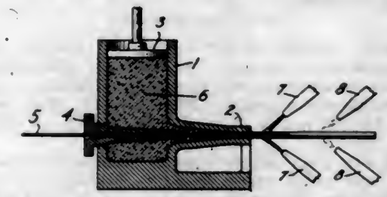
1. A method of treating electrolytically deposited iron which consists in heating said iron to temperatures between 250° C. and about 720° C. to cause a decrease in the brittleness and an increase in the hardness thereof.

1,630,450. METAL SCREEN. DELMAR D. PINKHAM, Texarkana, Tex. Filed Dec. 19, 1925. Serial No. 76,443. 5 Claims. (Cl. 156—14.)



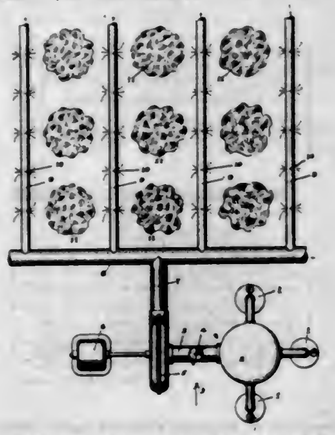
1. In a metal screen, the combination of an outer rectangular frame having separable side and end rails, a detachable mullion connecting the intermediate portions of two of said rails which are opposite each other, netting covering the panels thus formed, each side rail and each end rail having an inclined overhanging inner flange and an outer flange with an inner return bend, angular corner pieces connecting the side and end rails at the respective corners, clamping strips cooperating with the rail flanges to secure the corner pieces and the outer edges of the netting thereto, and a clamping strip securing the inner edges of the netting to the mullion.

1,630,451. METHOD OF PRODUCING COATED CORES. JOSEPH L. RAY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 14, 1925. Serial No. 9,160. 3 Claims. (Cl. 18—59.)



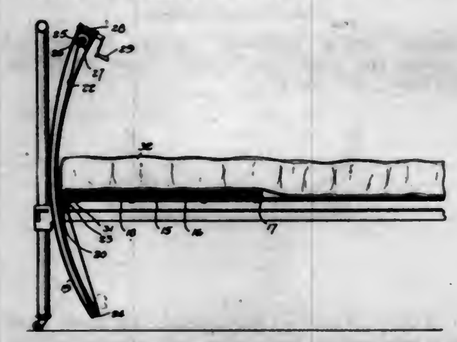
1. A process of coating cores which consists in extruding a mixture of pulp and heavy oil on said core, coating the same with a film of cohesive material, and enclosing the whole in a sheath.

1,630,452. METHOD OF HEATING ORCHARDS AND APPARATUS THEREFOR. WILLIAM C. SCHEU, Upland, Calif. Filed July 14, 1923. Serial No. 651,667. 2 Claims. (Cl. 126—59.5.)



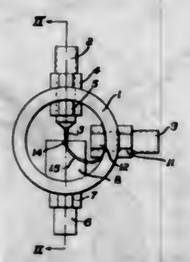
1. The method of making, distributing and burning a temporary gas for the protection of orchards against frost damage consisting in subjecting a fuel oil to heat to convert it into a temporary gas at a generating station, mixing air with said gas, conveying said gas to points in said orchard and retarding the reversion of said gas to its liquid condition while being conveyed, and emitting said mixed air and gas at burner stations in said orchard remote from said generating station, and burning said mixture at said points of emission in the orchard along said pipe lines.

1,630,453. BED ATTACHMENT. TURNER B. SMITH, Wilmington, Calif. Filed Jan. 5, 1926. Serial No. 79,378. 4 Claims. (Cl. 5—76.)



1. A bed attachment comprising a frame adapted to be supported upon the spring frame of a bed, a frame hinged to the first said frame to tilt thereon on an angle to the head of a bed, an arcuate arm fixed between its ends to the free end of the hinged frame so that a portion of definite length of said arm is constantly extended above the hinged frame, and operating means fixed on the upper portion of the arm and connected to the first frame by which the arm and hinged frame may be raised or lowered.

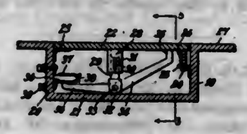
1,630,454. ELECTRODE HOLDER FOR GLOW-DISCHARGE TRANSMITTERS. PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1923. Serial No. 637,053. 6 Claims. (Cl. 179—121.)



1. A glow discharge transmitter capsule, comprising a cylindrical portion of insulating material open to the air at its ends and glow discharge electrodes attached thereto in operative relation.

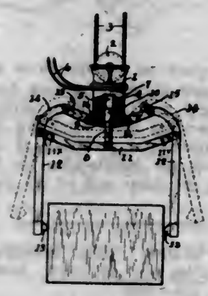
1,630,455. CIRCUIT CLOSER FOR HOLD-UP ALARMS. CARL WEBER, Hilton, Nebr. Filed May 27, 1926. Serial No. 111,981. 2 Claims. (Cl. 200—52.)

1. In an alarm, a switch comprising a box-like structure encased in a floor, a pair of resilient fingers in said box-like structure, a hinged platform covering said box-like structure, means in said box-like structure engaging the platform and fingers for closing the circuit thru said fingers upon depression of the platform comprising a bell crank, said bell crank being attached to the platform and resting upon the bottom of the box-like structure, a deformed portion on one finger engaged by said bell crank, said bell crank being adapted to flex one of said fingers



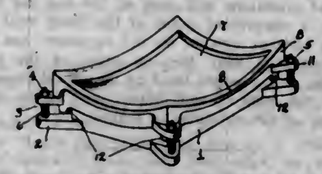
to lift the latter into contact with the opposite finger, and slidable means securing the bell crank to the platform allowing said bell crank support to rest upon the bottom of the box-like structure.

1,630,456. GRAB. WILLIAM G. WEBB, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a Corporation of Ohio. Filed Aug. 25, 1925. Serial No. 52,304. 14 Claims. (Cl. 294—88.)



1. A grab comprising a suspension member, a solenoid carried by said member, and having a movable core, load engaging jaws supported by the core of the solenoid, and operating means interposed between the suspension member and jaws to actuate the jaws when the same are moved by the solenoid.

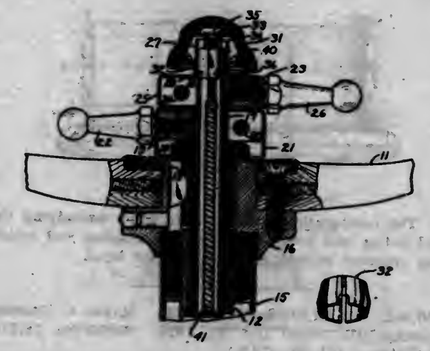
1,630,457. VULCANIZING APPARATUS. HERBERT K. WHEELOCK, Akron, Ohio. Filed Aug. 27, 1926. Serial No. 131,908. 7 Claims. (Cl. 18—18.)



3. An apparatus of the character described, having in combination a vulcanizing plate and retractable means to position a layer of cushioning material over the surface of said plate.

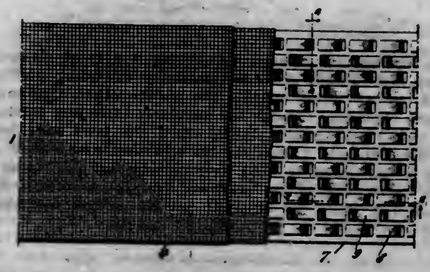
1,630,458. SWITCH. CLARENCE H. WILLIAMS, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Mar. 12, 1925. Serial No. 15,051. 3 Claims. (Cl. 200—159.)

1. A switch comprising a cylindrical cage having upwardly extending spring fingers formed therein, one of said fingers having its upper end bent inwardly and then outwardly to form a hooked portion, and a tiltable switch mechanism comprising an insulating member insertable in said cage, a spider forming a plurality of spring fingers secured to said member, and a cap removably secured to said spider, said insulating member having flat faces against which said first-named spring fingers



bear, one of said flat faces being provided with a recess for receiving said hooked portion to resiliently retain said switch mechanism in fixed position with respect to said cage.

1,630,459. PAD FOR LAUNDRY AND OTHER MACHINES. WILLIAM A. ZEIDLER, New York, N. Y., assignor to Zeidler Economy Spring Pad Co., Inc., New York, N. Y., a Corporation of New York. Filed July 21, 1923, Serial No. 652,990. Renewed Apr. 25, 1927. 6 Claims. (Cl. 68—9.)



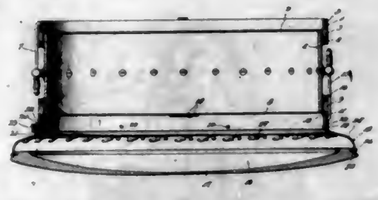
2. In a device of the class described, a spring element composed of a sheet metal base with tongues cut therefrom, said tongues being struck up in a series of rows, the tongues in each row standing in one direction and the tongues in adjacent rows standing in the opposite direction.

1,630,460. CONTACT BRUSH AND METHOD OF MAKING SAME. WALTER M. AUSTIN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 28, 1922. Serial No. 597,539. 5 Claims. (Cl. 200—166.)



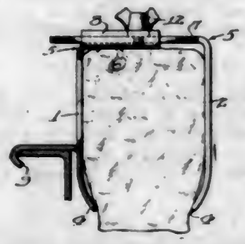
3. A contact brush comprising a plurality of superimposed laminæ, certain of said laminæ possessing an inherent tendency to crowd the adjacent inner laminæ.

1,630,461. SNARE DRUM. FREDERICK J. BACON and DAVID L. DAY, Groton, Conn. Filed Aug. 27, 1925. Serial No. 52,860. 4 Claims. (Cl. 84—411.)



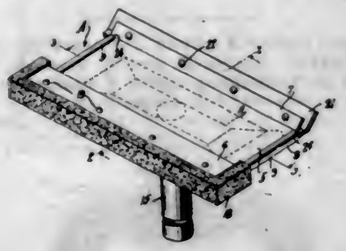
1. The combination with a snare drum embodying the usual batter and snare heads, of a resonating and amplifying chamber enclosing the said snare head.

1,630,462. MATTRESS RETAINER. MABEL C. BARBER, Chicago, Ill. Filed Dec. 31, 1925. Serial No. 78,516. 6 Claims. (Cl. 24—72.5.)



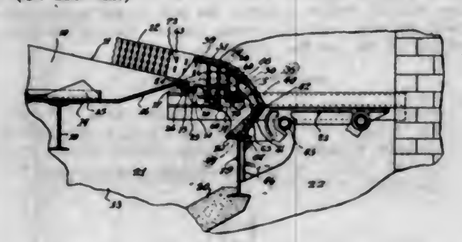
3. A mattress retainer comprising a pair of clamping jaws each formed with an angularly extending portion, said portions being slidable one on the other, tightening means extending through the angularly extending portions to lock them against sliding when the jaws have been adjusted to grip a mattress therebetween, and a hook on one of said jaws to hook over an adjacent portion of a bed frame to hold the mattress against substantial displacement when the adjacent portion of the bed frame has been moved out of horizontal position.

1,630,463. WINDOW-CLEANING DEVICE. HARRY T. BARLOW, Brooklyn, N. Y., assignor to Wonder Window Washer Corp., New York, N. Y., a Corporation of New York. Filed Dec. 3, 1926. Serial No. 152,328. 2 Claims. (Cl. 15—126.)



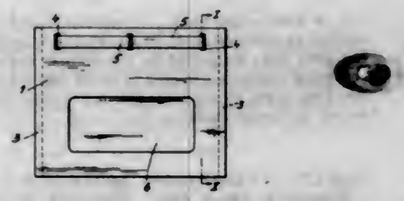
1. A cleaning device, comprising a plate, a second dished plate fixed to and spaced apart from the said first mentioned plate forming a reservoir adapted to contain liquid, an absorbent conducting member between the said plates at one edge of the device in communication with the reservoir, a gasket between the said plates at the opposite edge of the device extending into the interior thereof to prevent any leakage of the liquid therein, a hollow stem in communication with the reservoir, a handle removably secured to the reservoir, and a sealing member secured to the handle to seal the reservoir.

1,630,464. REAR-END STRUCTURE FOR REAR-DUMP STOKERS. ROYCE L. BEERS, Detroit, Mich., assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed June 16, 1922. Serial No. 568,798. 13 Claims. (Cl. 110—44.)



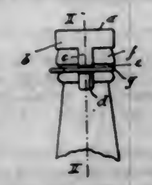
8. A rear-end plate for coaction with duplicate plates to form a rear end bottom structure for an underfeed stoker, comprising a relatively deep vertical web, a relatively shallow marginal head bordering the top surface of the web, complemental provision at opposite lateral faces of the heads for interlocking the heads together, and provision at the front end of the plate for locking it to a retort.

1,630,465. ENVELOPE. CARL BIEDERMANN, Lucerne, Switzerland. Filed Apr. 27, 1923. Serial No. 635,158. 1 Claim. (Cl. 229—68.)



An envelope for repeated use comprising in combination a pocket of aluminum foil open at the top end having a window at a convenient point of the front wall through which the address written on the enclosure can be read and vertical slits near the top edges of the rear and front walls, and a paper band to be passed through said slits, and the ends of said paper band to be connected on the rear of the envelope by sealing.

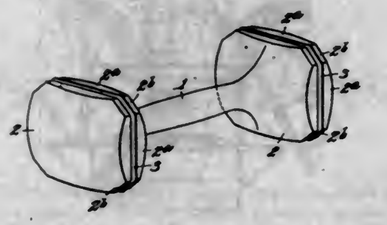
1,630,466. BOTTLE CLOSURE. JOHN GUSTAV BÖGEHSEN, Lyngby, Denmark. Filed Feb. 25, 1927. Serial No. 170,809, and in Denmark Dec. 15, 1925. 1 Claim. (Cl. 215—82.)



A bottle stopper comprising a cap, adapted to close the mouth of a bottle, two diametrically opposed clips depending from said cap, each of said clips being provided

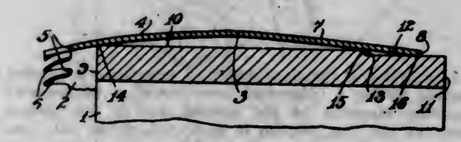
intermediate its length with an impressed transverse groove adapted to engage a groove in the bottle, and a resilient metallic member adapted to seat in said transverse grooves to retain the cap in place, the ends of said metallic member being spaced from each other and formed into eyelets.

1,630,467. HAND SUPPORT FOR USE IN HORIZONTAL EXERCISES. HOBART J. BRADSTREET, Steubenville, Ohio. Filed Sept. 29, 1925. Serial No. 59,889. 1 Claim. (Cl. 272—64.)



A hand support of the character described, comprising a handle carrying corresponding integral heads upon the opposite ends thereof, each head having a plurality of peripherally arranged flat faces adapted for firmly seating upon a floor and other faces joining said flat faces, the ends of said handle at the point of intersection of said heads being rounded or curved, each head also having therein an annular groove, and a resilient band seated in and projecting from the groove of the head.

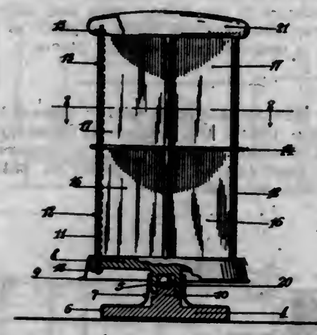
1,630,468. BAND SAW AND WHEEL THEREFOR. JOSEPH WALLACE CAUSEY, Electric Mills, Miss. Filed Dec. 8, 1926. Serial No. 153,237. 8 Claims. (Cl. 143—30.)



1. The combination with a centrally full tensioned band saw, of a supporting pulley therefor having the rear portion thereof slightly reduced in diameter and extending parallel to its axis, so as to bear upon and support the saw at its rear edge and also at a point a short distance removed from said rear edge, as well as adjacent the front edge but rearwardly of the teeth.

1,630,469. SANDWICH-DISPLAY FIXTURE. WILLIAM CECIL, New York, N. Y. Filed Nov. 24, 1926. Serial No. 150,430. 1 Claim. (Cl. 211—25.)

As a new article of manufacture, a sandwich display fixture comprising in combination a relatively fixed base member, a ball bearing therein, an upper display element comprising a base, four bolts secured in said base and projecting upwards therefrom, four compartment units, each composed of a partition member bent at right angles and fitted with two spacing sleeves at the free edges thereof, said compartment units being adapted to be assembled in pairs on said bolts to form four lower and four upper compartments, a shelf between the upper and lower compartments, a dome resting on the said upper compartment units and said bolts, nuts for securing the said base member, compartment units, shelf and dome together to form said upper display element, said



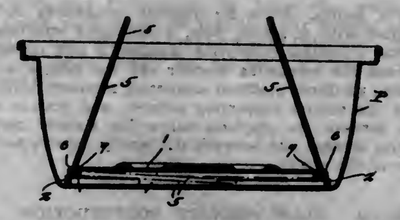
base member having a socket fitted over and resting upon said ball bearing for rotatably and detachably mounting said display element on the said base member.

1,630,470. APPARATUS FOR BREAKING DOWN ORE BODIES. WALTER B. CLIFFORD, Kimball, W. Va., assignor to The Clifford Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 24, 1922. Serial No. 584,042. 5 Claims. (Cl. 262—12.)



1. Mining apparatus comprising a metallic tube having a longitudinal bore formed therein and lateral passages communicating therewith, an integral flexible envelope surrounding the metallic tube, separate connections between opposite ends of the tube and ends of the envelope for positively and rigidly clamping the latter to the tube at both ends to prevent longitudinal movement of the envelope, and means for supplying liquid under pressure to the longitudinal bore.

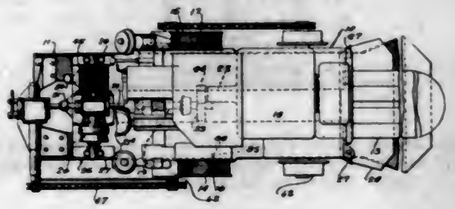
1,630,471. RACK FOR ROASTERS. ROLLIN E. COLLINS, Parnassus, Pa., assignor to The Aluminum Company of America, Pittsburgh, Pa. Filed Jan. 26, 1926. Serial No. 83,900. 2 Claims. (Cl. 53—6.)



2. A lifting rack for roasting pans and the like including a plate, there being a pair of notches in each side portion of the plate, an inturned ear adjacent each notch providing a bearing sleeve, the notches of each pair being located between two of the ears, bails having alining terminals bearing in the sleeves of each pair, said

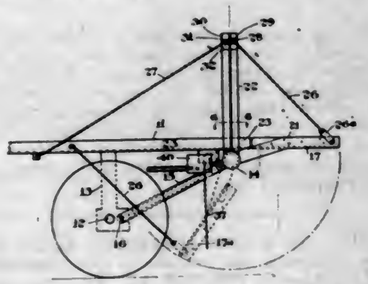
balls being adapted to swing within the notches to lapped positions on one surface of the plate and within the notches to converging positions beyond the other face of the plate, there being means integral with the plate for limiting the sliding movement of the alining terminals of the balls relative to the sleeves when said balls are in either of the two positions stated, thereby to prevent withdrawal of said terminals from the sleeves.

1,630,472. MINING-MACHINE SKID. EDWARD J. DOBERSTEIN, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 13, 1923. Serial No. 651,290. 9 Claims. (Cl. 262—30.)



1. In combination with a draft operated cutting element, adapted for movement along the mine floor, a supporting skid, and auxiliary winding devices on said skid located within prolongations of the longitudinal boundaries of said cutting element.

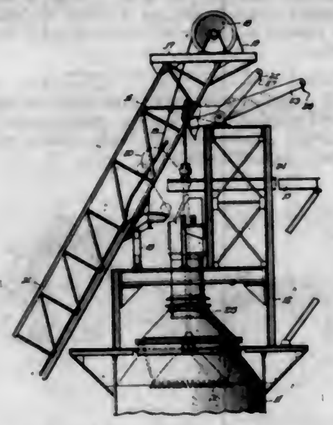
1,630,473. LOADING AND UNLOADING DEVICE FOR VEHICLES. PAUL DUCONDU, Montreal, Quebec, Canada. Filed Oct. 18, 1924. Serial No. 744,382. 13 Claims. (Cl. 214—77.)



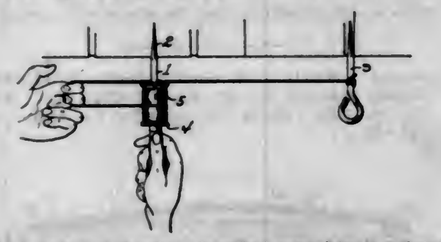
1. A loading device for vehicles, comprising in combination with a vehicle floor, a cantilever structure including a central supporting member, a link connection between the supporting member and the vehicle, a load bearing platform, platform supporting members projecting from the central supporting member, and tension members between the platform supporting member and the central member and between the central member and the floor of the vehicle.

1,630,474. BLAST-FURNACE CONSTRUCTION. WYMAN EATON, Chicago, Ill., and DAVID T. CROXTON, Cleveland, Ohio; said Eaton assignor of his entire interest to Freyn Engineering Company, Chicago, Ill., a Corporation of Maine. Filed Mar. 31, 1924. Serial No. 703,307. 4 Claims. (Cl. 214—18.)

1. In a blast furnace construction, a bell and skip incline supporting structure carried upon the upper portion of the furnace, a skip incline and furnace bells and bell operating mechanism, the skip incline being supported from one side of the supporting structure and the bell mechanism being supported upon the opposite side of the supporting structure.

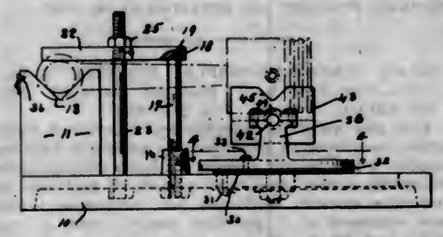


1,630,475. LINE REEL AND PIN. WILLIAM GEORGE ELDER, Bardstown, Ky., assignor to Elder Manufacturing Company, Bardstown, Ky. Filed Oct. 13, 1926. Serial No. 141,417. 2 Claims. (Cl. 33—85.)



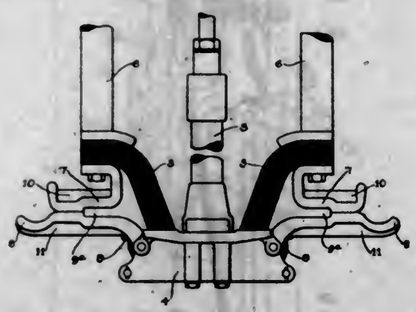
1. A device of the class described comprising a pointed member having a transverse hole therein, a flanged reel rotatably mounted on the member and a line wound upon the reel and adapted to pass through the hole, the reel having notches in one of the flanges thereof for receiving a part of the line to prevent rotary movement of the reel.

1,630,476. PISTON, WRIST PIN, AND CONNECTING-ROD ALIGNING JIG. HERMAN A. ERICKSON, Fresno, Calif. Filed May 6, 1924. Serial No. 711,398. 6 Claims. (Cl. 33—180.)



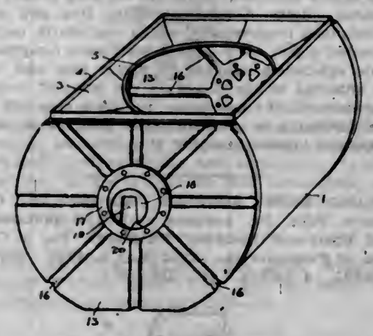
1. A device of the character described comprising a base, a mandrel support carried by said base; a V-block; and means for mounting said block on said base so that it is rockable on a horizontal axis and rotatable around a vertical axis.

1,630,477. CIRCUIT INTERRUPTER. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 5, 1922. Serial No. 572,967. 13 Claims. (Cl. 200—144.)



2. The combination in an electric switch provided with a pair of relatively movable contact members, of metallic means for concentrating the magnetic forces set up by the passage of current through the switch for exerting an opening force on said contact members.

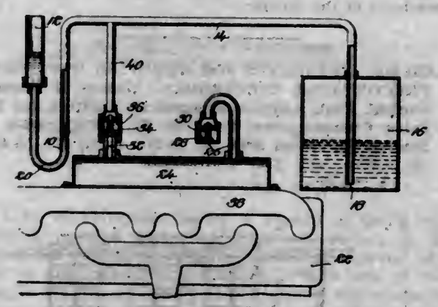
1,630,478. TUB FOR WASHING MACHINES. FREDERICK MACDONALD FAIRGRIEVE and ARCHIBALD FAIRGRIEVE, Toronto, Ontario, Canada. Filed Jan. 24, 1924. Serial No. 688,277. 2 Claims. (Cl. 68—21.)



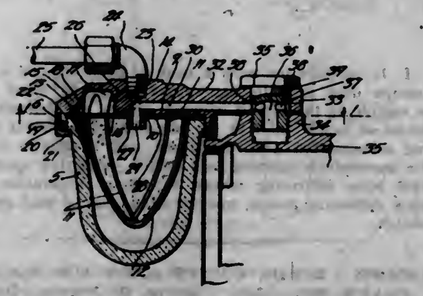
1. A tub for a washing machine having a rectangular opening in the top extending from end to end, a top piece secured to the edges of said opening by a ribbed seam and having a central cover opening and being dished inwardly to said cover opening, a cover closing said opening and formed with a downwardly extending flange adapted to engage the edge of said opening, and a flange spaced back from the edge of said opening and extending downwardly from said top piece to form a baffle spaced from said cover flange.

1,630,479. THERMOSTATIC PUMP. JAMES FENTRESS, Chicago, Ill. Original application filed Dec. 8, 1925, Serial No. 72,900. Divided and this application filed May 12, 1926. Serial No. 108,464. 6 Claims. (Cl. 230—16.)

1. In a thermostatic pump, in combination, a closed receptacle having intake and discharge ports communicating therewith, a normally closed liquid valve at the intake opening permitting the entrance and preventing the discharge of air at that point, and a normally closed liquid valve at the discharge port permitting the outward passage of air from the receptacle and preventing its return to the receptacle, the valves being so adjusted that the heating and consequent expansion of air in the receptacle closes the intake valve and opens the discharge valve and that cooling of the receptacle and consequent contraction of the air content closes the discharge valve and opens the intake valve.



1,630,480. FILTER. DOUGLAS F. FESLER, Chicago, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed July 3, 1922. Serial No. 572,711. 5 Claims. (Cl. 210—165.)



3. A filter element comprising an imperforate disc having a central opening, a plurality of bowed wires, the ends of which are secured to said disc adjacent the edge thereof, a filter bag held in position by said bowed wires, and means for securing the edge of the open end of said filter bag directly to the edge of said disc.

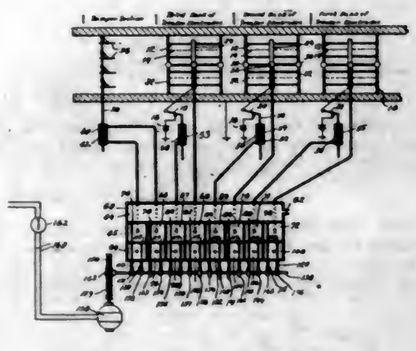
1,630,481. CAR-COUPLER UNCOUPLING MECHANISM. JOHN THOMAS FITZPATRICK, St. Louis, Mo., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Delaware. Filed Dec. 17, 1923. Serial No. 681,257. 6 Claims. (Cl. 213—170.)



1. In a car coupler releasing mechanism, the combination with the operating rock shaft and means for pivotally connecting the same to the car body, of a rock

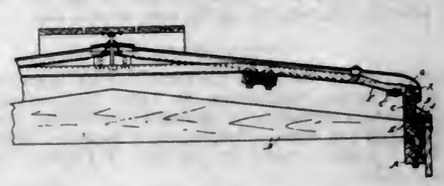
arm extending outward from said shaft above the coupler having a bifurcated outer end with the extreme end portions thereof bent towards each other, and a link for connecting the pin to said rock arm having a portion for spreading the furcations upon an abnormal outward movement of the coupler.

1,630,482. APPARATUS FOR REMOVING DUST FROM PRECIPITATOR ELECTRODES. GORDON B. FORBES, Garfield, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 10, 1925. Serial No. 55,431. 11 Claims. (Cl. 183—7.)



1. In combination with a bank of electrodes of a high tension dust precipitating apparatus of the usual type, a switch in the circuit thereof, means for delivering a series of rapid blows to the electrodes thereof for shaking accumulated dust therefrom, and automatic means for successively opening said switch, rendering operative said blow delivering means, rendering inoperative said blow delivering means, and for again closing said electric switch.

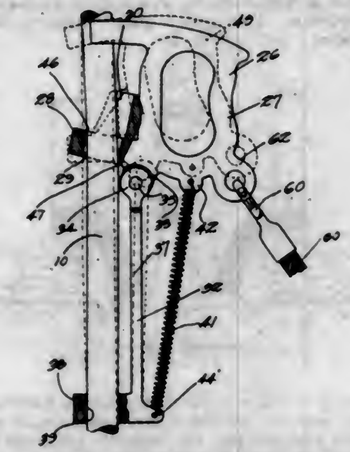
1,630,483. REPAIR CONSTRUCTION FOR WOODEN-FRAME BOX CARS. EDWIN G. FRANCK, Detroit, Mich., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Delaware. Filed May 7, 1923. Serial No. 637,307. 4 Claims. (Cl. 105—404.)



1. In a repair construction for wooden box cars, the combination with the original wooden side plates, of flanged metallic structural bars superposed on said side plates on their edge, carlines connected to the tops of said bars and roofing sheets supported by said carlines.

1,630,484. LADDER-CLIMBING DEVICE. GEORGE E. FRITTS, Harbor City, Calif. Filed Oct. 20, 1924. Serial No. 744,616. 4 Claims. (Cl. 227—8.)

1. In a climbing device, the combination of: a gripping member; a slide member extending through said gripping member; a subsidiary member slidably embracing said slide member and pivotally secured to said gripping

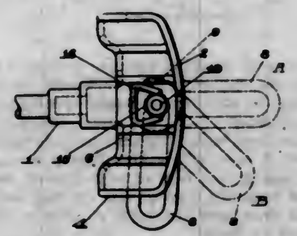


member; and means connected to said gripping member and to said subsidiary member for causing said gripping member to grip said slide member.

1,630,485. DETERMINING CRITICAL TEMPERATURE. GUSTAV F. GERDTS, Bremen, Germany. Filed Dec. 12, 1924, Serial No. 755,584, and in Germany Aug. 26, 1924. 1 Claim. (Cl. 73—32.)

The herein described method of marking during a heat treatment objects of metal including iron and steel at predetermined temperatures, which consists in contacting the heated object with a hard test piece comprising inorganic substances adapted to partly fuse and leave a trace adhering to the object at the point of contact at the predetermined temperature, the trace thus left on the object hardening to a substantially indelible record at a temperature higher than 100° C.

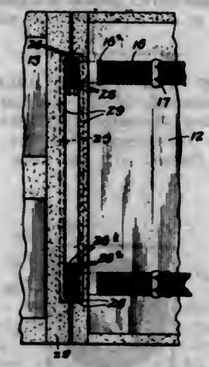
1,630,486. LINK COUPLER. GEORGE W. GRASER, Beaver Falls, Pa., assignor to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 5, 1923. Serial No. 636,897. 4 Claims. (Cl. 213—86.)



1. In a car coupling, a coupler having a recess formed therein, an elevated portion in said recess, a link loosely mounted in said recess, a washer between said link and coupler adapted to rest on said elevated portion when the link is in operative position and adapted to permit the link to tilt by gravity toward one side or the other of said coupler.

1,630,487. SAMPLE BOOK. FRANK A. HARRISON, Chicago, Ill. Filed Oct. 8, 1925. Serial No. 61,167. 4 Claims. (Cl. 129—41.)

1. In a loose-leaf binder a plurality of leaves each provided with hinge means comprising a wire piece having its center portion secured to the margin of said leaf and its end portions looped to form spaced slots, covers



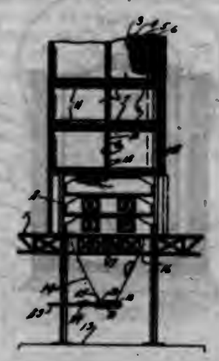
for the opposite sides of said leaves, and tapes secured to said covers in registering position with said slots and passing through the latter.

1,630,488. MOUNT FOR THE TONGUES OF CIGARETTE-ROD-FORMING MECHANISM. FRANK DI IANNI, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a Corporation of New Jersey. Filed June 5, 1926. Serial No. 113,952. 10 Claims. (Cl. 131—43.)



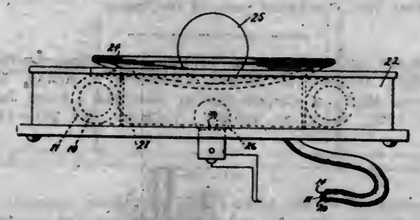
1. A mount for the tongue of a cigarette rod-forming mechanism, comprising a support, means for adjusting said support both vertically and horizontally to control the position of the tongue in said mechanism, and a device for demountably attaching said tongue to the adjusted support.

1,630,489. SHAFT-KILN CONSTRUCTION. STEWART W. JAMESON, Duluth, Minn. File Apr. 25, 1924. Serial No. 708,865. 5 Claims. (Cl. 222—3.)



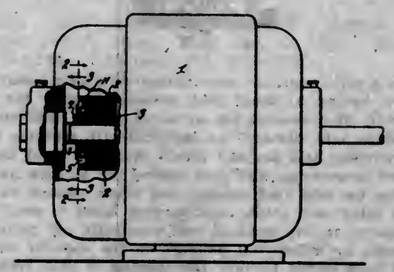
2. A shaft kiln structure embodying refractory lining means, and a shell for said lining comprising peripherally flanged sections independently removable and providing four-corner meeting joints between said sections, said flanges being exteriorly accessible and exposing flange connecting means accessible exteriorly of the kiln.

1,630,490. ADVERTISING DEVICE. PAUL E. KLOPSTEG, Chicago, Ill., assignor to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed June 25, 1925. Serial No. 39,431. 8 Claims. (Cl. 46—49.)



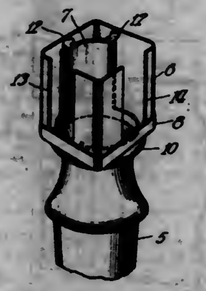
2. In an advertising device, a support of poorly conducting material presenting a smooth surface at its upper side, an object including conducting material resting on and presenting a relatively smooth area of contact to the smooth surface of the support, and stationary means adjacent to the support for producing an unsymmetrical rotatory magnetic field extending over the surface of the support.

1,630,491. SHORT-CIRCUITING DEVICE. WALTER J. KRAUSE, Cleveland, Ohio, assignor to The Ohio Electric & Controller Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 13, 1924. Serial No. 719,871. 3 Claims. (Cl. 172—279.)



1. A short circuiting device for motors of the class described comprising an endless helical spring having a layer of cotton thread thereover and a jacket of relatively thin copper wire covering said cotton thread.

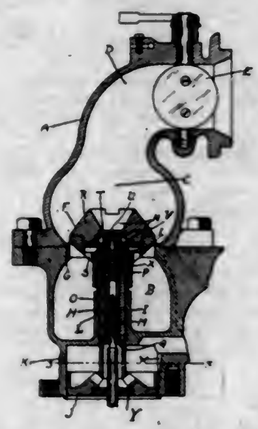
1,630,492. CONNECTION FOR TUBES. FRANK KUSTERLE, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed June 9, 1924. Serial No. 718,716. 6 Claims. (Cl. 15o—194.)



1. In a structure of the class described, the combination of a tube, a mount secured on said tube at an interval from its end, a second tube of larger size and

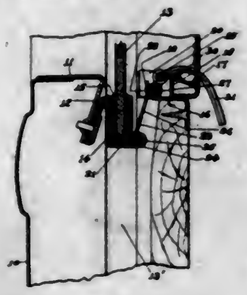
different shape telescoping the end of the first mentioned tube and having its end seated against said mount, the periphery of said abutment corresponding to the size and shape of the larger tube, and a welded connection between the telescoping ends of the tubes.

1,630,493. CARBURETOR. JOHN G. LANNING, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a Corporation of Michigan. Filed July 30, 1920. Serial No. 400,087. 1 Claim. (Cl. 261—48.)



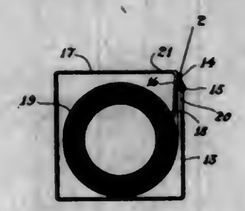
In a carburetor, the combination with an automatic air valve having a liquid fuel passage through the stem thereof, of a control pin arranged within said stem to regulate said passage, an independently movable sleeve surrounding said pin and within said stem, said movable sleeve cooperating with said control pin to form an inlet orifice for said fuel passage and being exposed to pressure below said orifice, said member being of small mass compared to the mass of said automatic air valve, and movable by differential pressure on the opposite sides of said inlet orifice to vary the opening of said orifice independent and in advance of the movement of said valve and yieldable resilient means between said sleeve and said valve for permitting said independent movement and gradually restoring said sleeve to normal position.

1,630,494. LIFTING AND RETAINING DEVICE FOR SLIDING WINDOWS. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 14, 1922. Serial No. 552,549. 4 Claims. (Cl. 276—48.)



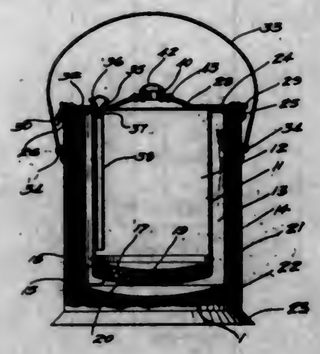
4. In a window lifting and retaining device a stationary retaining support in combination with a loop member, a plate movably connected at one edge to the window and at the other edge to one reach of the loop member, said plate arranged to engage said support to retain the window in its raised position, and a lifting strap connected to the other reach of said loop member.

1,630,495. BOX FOR PAPER ROLLS. NICHOLAS MARCALUS, Plainfield, N. J., assignor to Automatic Paper Machinery Company, Inc., Plainfield, N. J., a Corporation of New Jersey. Filed Oct. 2, 1925. Serial No. 60,036. 3 Claims. (Cl. 206—58.)



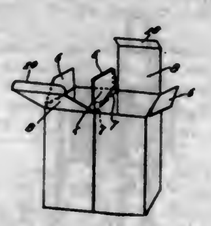
1. A box comprising a single folded piece of material and a metal strip having a serrated edge attached with its serrated edge adjacent the free edge of one of the walls of the box, a cover flap for said box forming an integral part of the same piece of material as said box and adapted to fit inside or outside of the wall of the box carrying the metal strip, said metal strip being attached to said box longitudinally of and adjacent the free edge of said cover flap thereby forming a cutting edge for material within the box, and said metal strip being adapted to be concealed or exposed by the position of said flap outside or inside of said box.

1,630,496. DIPPING CONTAINER FOR EXPLOSIVE CARTRIDGES. WILLIAM H. MARSHALL, ROBERT J. KILLGORE, and LUTHER E. BEDORTHA, Denver, Colo., assignors, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Oct. 25, 1924. Serial No. 745,824. 8 Claims. (Cl. 220—9.)



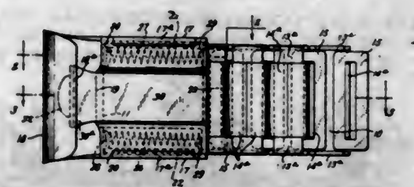
1. A dipping container for explosive cartridges comprising: walls forming a dipping chamber; a hinged cover for said container; a member carried by said cover through which liquid oxygen may be introduced into said dipping chamber; and means for directing said liquid oxygen to the bottom of said chamber.

1,630,497. CARTON. WARREN A. MORRIS, Wyoming, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Mar. 12, 1925. Serial No. 15,034. 9 Claims. (Cl. 229—38.)



1. A composite package with enclosing walls comprising individual container elements, having flaps of the several container elements engaging adjoining container elements and each container detachably secured to an adjacent container by means of an engaging flap.

1,630,498. BRACELET CHAIN FOR WRIST WATCHES OR THE LIKE. AXEL PERSON, Attleboro, Mass., assignor to Harvey Clap & Co., Attleboro, Mass., a Partnership. Filed Feb. 20, 1926. Serial No. 89,599. 5 Claims. (Cl. 24—233.)



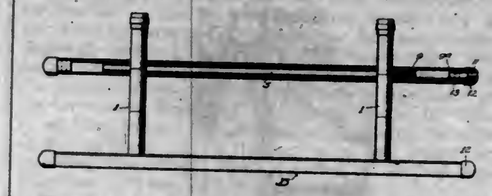
1. A connector for bracelet chains or the like comprising, in combination, a box-like member having top, bottom and side walls, said top wall being extended and curved downwardly at one end to form a hook, a slidable member in said box-like member, sliding thereinto from the end thereof remote from said hook, and a pair of springs within said box-like member urging said last member to slide thereinto, said bottom wall being bent upwardly at an intermediate longitudinal portion and forming with said side wall a pair of longitudinal passages in which said springs rest.

1,630,499. EXPANSIBLE SHACKLE BOLT AND THE LIKE. FRANK A. ROSS, Wilmette, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 9, 1921. Serial No. 476,128. 9 Claims. (Cl. 85—2.)



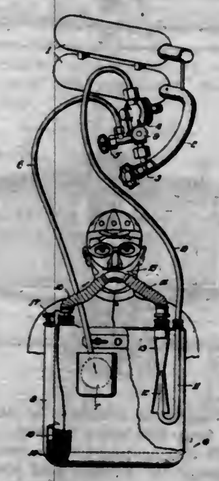
1. A hollow pivot having a bearing surface comprising a longitudinally rifted middle portion and unrifted end portions integral therewith and an expanding device arranged to flex said rifted portion outwardly for taking up wear of the bearing surface of the pivot.

1,630,500. BINDER. WILLIAM J. STEENROD, Benton Harbor, Mich., assignor to Baker-Vawter Company, Benton Harbor, Mich., a Corporation of Michigan. Filed Aug. 20, 1923. Serial No. 658,296. 1 Claim. (Cl. 129—12.)



Clamping mechanism for a post binder including a clamping bar equipped with a pair of posts and a hollow clamping bar orificed to receive such posts; said mechanism comprising a longitudinally folded sheet metal locking bar slidingly fitting within said hollow clamping bar, said locking bar having parallel sides adjacent the inner faces of said clamping bar orificed in alignment to receive said posts and arranged to clampingly engage a post at one end, and the sides of the bar near the other end being formed with opposite semi-cylindrical bends arranged to together provide a central screw threaded seat communicating with the adjacent post orifice and being also formed with contiguous plane portions secured together on diametrically opposite sides of such seat, and comprising also a key-operated locking screw in said seat arranged to cooperate with the other locking post in said orifice.

1,630,501. LIFE-SAVING APPARATUS. MARCUS C. STEESE, Duluth, Minn. Filed Apr. 12, 1920. Serial No. 373,185. 2 Claims. (Cl. 128—191.)

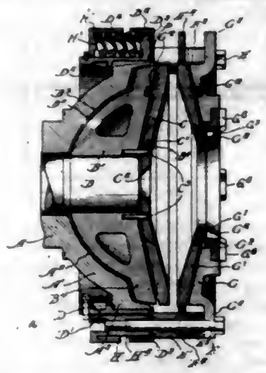


1. In a device of the class described, a source of oxygen supply, a valve operatively associated with said source, a Venturi tube, and a connection between said source and said Venturi tube including said valve, said connection terminating in a relatively large opening at the point of greatest restriction of said Venturi tube for controlling said valve and the supply of oxygen from said source.

1,630,502. CRUSHING DISK. EDGAR B. SYMONS, Los Angeles, Calif., assignor to Symons Brothers Company, Milwaukee, Wis., a Corporation of South Dakota. Filed Jan. 24, 1925. Serial No. 4,375. 14 Claims. (Cl. 83—10.)

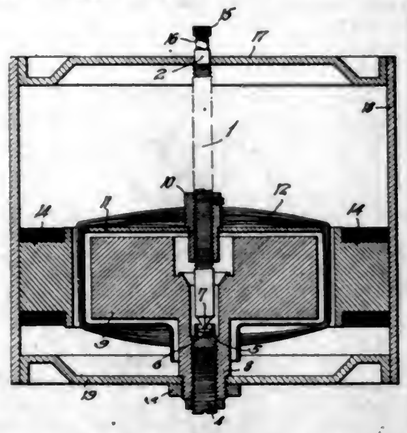
3. A crushing disk for use with disk crushing machines, comprising a plurality of concentric crushing ring sec-

tions, the outer edge of each ring being shaped to overlie the inner edge of the ring next outermost, the inner and outer surfaces of the sections being generally continuous,



and means, positioned on the non-operative face of an outer crushing ring adapted, in cooperation with an inner crushing ring, to hold said outer ring in fixed position upon the crushing head.

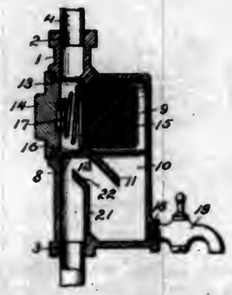
1,630,503. ARMATURE FOR DISTANT-CONTROL INDICATORS FOR CONTINUOUS AND ALTERNATING CURRENT. HANS USENER, Kiel, Germany. Filed Apr. 28, 1923, Serial No. 635,395, and in Germany Dec. 16, 1922. 4 Claims. (Cl. 177—327.)



1. An electromagnetic indicator of the character described having fixed field poles, an iron core disposed between said poles and having a sleeve extending from one of its ends, means for holding said sleeve fixed at its free end to maintain said core in fixed position between said poles, and an armature winding disposed between said poles and completely surrounding said core and means journalled in said sleeve for rotatably supporting said winding to permit it to freely rotate around said core.

1,630,504. OIL FILTER. RICHARD A. WALKER, Skidmore, Mo. Filed Apr. 3, 1926. Serial No. 99,598. 3 Claims. (Cl. 210—165.)

1. In an oil filter, a casing having an oil inlet, an oil outlet, a water outlet having a closure, and a clean out opening having a removable closure, the casing having a partition dividing it into a filtering chamber and a settling chamber, the filtering chamber communicating with said oil inlet and with said clean out opening and said settling chamber, the latter communicating with said oil outlet and said water outlet, the casing having a partition intermediate of said oil outlet and said water outlet and having an end portion overlapping and spaced from the end portion of the first named partition, said



water outlet being lower than both of said end portions when the casing is in either of two positions at right angles to each other, and a strainer extending across said filtering chamber.

1,630,505. CENTERING CALIPERS. FRANK WALTHER, Detroit, Mich. Filed Dec. 21, 1923. Serial No. 681,983. 1 Claim. (Cl. 33—191.)



A caliper of the class described, comprising a stationary leg; a pair of cross bars mounted fixedly on said leg, at opposite sides thereof, intermediate its ends, adjacent the upper end thereof and projecting outwardly therefrom at opposite sides; a pair of movable arms, each pivotally connected, adjacent its upper end, between the outer ends of said cross bars; a pair of links, each pivotally connected at one end to one of said movable arms at opposite sides thereof; a head having a bore formed therein; a neck on said head projected through an opening formed in said leg, adjacent the upper end thereof, the end of said neck being upturned to prevent its removal from said opening; a similar head having a neck projecting through a longitudinally extending slot formed in said leg, said neck being upturned to prevent the removal of said neck from said slot, the opposite ends of said links being connected to said last mentioned neck at opposite sides of said leg; a stem projected through said bore in said first mentioned head and secured in said bore in said second mentioned head; a coil spring loosely positioned on said stem, intermediate said heads, and adapted for engaging at its opposite ends, said heads; and a nut threaded on said stem for effecting relative movement of said heads, said relative movement effecting a swinging of said movable arms on their mountings.

1,630,506. INSECTICIDE. CHESTER A. WILKINS, Sacramento, Calif., and STANLEY D. WILKINS, St. Louis, Mo. Filed Feb. 4, 1924. Serial No. 690,657. 6 Claims. (Cl. 167—6.)

1. A composition of matter for insecticide purposes, the same comprising as its chief ingredients desiccated molasses and a poison.

5. A composition of matter for insecticide purposes, the same being substantially in the form of a powder and comprising as ingredients desiccated molasses, an arsenious poison, and a fruit flavor in substantially the proportions stated.

1,630,507. PROCESS OF COATING MATERIALS HAVING AN IRON OR STEEL BASE. LEO A. WYND and JULIAN L. SCHUELER, Peoria, Ill. Filed Feb. 26, 1926. Serial No. 90,868. 7 Claims. (Cl. 91—70.2.)



7. A process for applying smooth zinc coatings to iron or steel material, independent of wiping, which consists in subjecting the material to an activated cleaning prior to its entrance to a coating bath, passing the material thru the coating bath, the entrance of the material and the exit of the material from the coating bath being thru substantially clean zinc surface.

1,630,508. GALVANIZING APPARATUS. LEO A. WYND and JULIAN L. SCHUELER, Peoria, Ill. Filed Mar. 20, 1926. Serial No. 96,301. 1 Claim. (Cl. 91—12.5.)



In a galvanizing apparatus, in combination, a furnace provided with a plurality of longitudinally disposed and spaced heating chambers, a pan for each chamber removably supported therein, individual heating means for each pan, means for dividing the said pans into compartments at each end, and means located above each end of the furnace adapted to supply a flux to the end compartments of said pans to provide a clean zinc system for the ingress and egress of articles through said pans.

1,630,509. METHOD AND APPARATUS FOR FUEL BURNING. HENRY ADAMS, Plainfield, N. J. Filed Mar. 2, 1923. Serial No. 622,335. 18 Claims. (Cl. 110—22.)



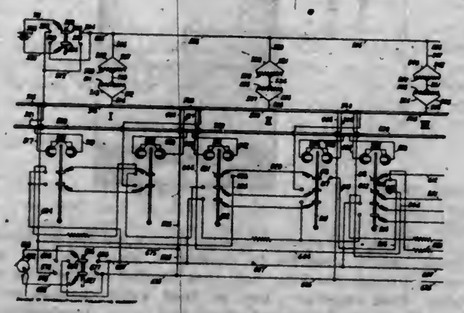
1. The combination with a furnace having a wall and a combustion chamber adjacent to said wall, of a casing passing through said wall at a downward inclination to the line of the floor of said chamber and communicating at its inner end with said chamber and having at its outer end means for inlet of air into the casing, a fuel burner arranged in the casing at the outer end thereof and extending into the casing for discharging therein, a projector arranged in the casing at the outer end thereof and having its discharge end in the casing inwardly of the discharge end of the fuel burner for discharging a stream of fluid of greater velocity than the stream of burning fuel so that the burning fuel is drawn along in the casing by induction of the stream of fluid and mingles therewith and is discharged from the inner end of the casing into the combustion chamber at an inclination to the bottom of said chamber substantially the same as the inclination thereto of said casing, means for inlet of air into the casing transversely of the casing inwardly of the discharge end of the projector, and means for regulating the amount of air admitted by the last mentioned air inlet means.

1,630,510. BARREL CLOSURE. GEORGE HAMILTON AMES, Brooklyn, N. Y. Filed Jan. 29, 1924. Serial No. 689,222. 3 Claims. (Cl. 220—39.)



1. In a device of the character described the combination of a containing vessel provided with a bung hole and with a threaded portion encircling said bung hole, a cap provided with a threaded portion mating said first mentioned threaded portion so as to enable said cap to be screwed down relatively to said containing vessel, said containing vessel being further provided with a channel, a gasket fitted into said channel, a filling of soft metal located within said channel and engaging said gasket, a pair of cutting edges carried by said cap and separated by a channel, and a gasket of resilient material located within said last mentioned channel and thus carried by said cap.

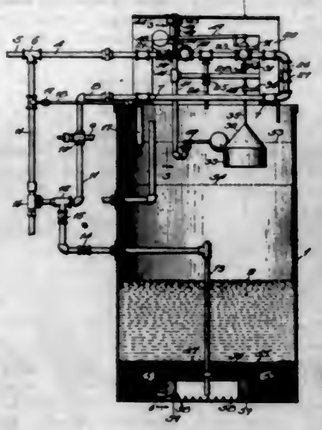
1,630,511. CONTROL OF TRAINS. ARTHUR REGINALD ANGUS, Westminster, London, England. Original application filed Dec. 22, 1921, Serial No. 524,228, and in Australia Dec. 13, 1921. Divided and this application filed Sept. 1, 1925. Serial No. 53,814. 4 Claims. (Cl. 246—59.)



1. Electrical train-controlling apparatus comprising on a train electro-responsive means adapted when energized by a current of a first strength to give clearance to said train and when energized by a current of a second strength to cause the production of a warning operation on said train and adapted to be caused by the cessation of either of said currents without the production of the other thereof to bring about the production of a stopping operation on said train and receiving means arranged to be in energisable relation to running rails alone and adapted to be caused by currents of two specific different

strengths therein to energize said electro-responsive means by currents of said first and second strengths respectively, and, on the track and in connection with three consecutive sections thereof in which the rails of each section on each side of the track are electrically continuous and the rails of each section on one side of the track are separated from adjacent rails by insulation, current-supplying means for supplying the running rails with which said receiving means is arranged to be in energizable relation on said one side of the track in the first of said three sections with currents of said two specific different strengths and in the second of said three sections with current of the one of said specific different strengths corresponding to current of said first strength, traffic-controlling means pertaining to said second and third sections and adapted (a) in a position corresponding to the clear condition of both said second and third sections to cause said current-supplying means to supply said rails on said one side of said first section with current of the one of said specific different strengths corresponding to current of said first strength, (b) in a position corresponding to the clear condition of said second section and the danger condition of said third section to cause said current-supplying means to supply said rails on said one side of said first section with current of the one of said specific different strengths corresponding to current of said second strength, and (c) in a position corresponding to the danger condition of said third section to cause said current-supplying means not to supply said rails on said one side of said second section with current of either of said specific different strengths.

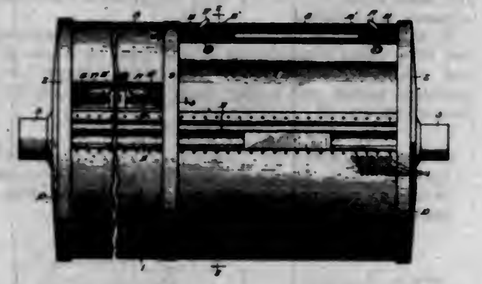
1,630,512. MECHANISM AND PROCESS FOR EFFECTING REGENERATION. FOREST F. AULT, Wilmette, Ill., assignor to The Borrowmite Company of America, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1921. Serial No. 445,415. 7 Claims. (Cl. 210—24.)



1. The method of regenerating a filter bed for softening water, which consists in causing a maximum flow of brine through the filter bed, then cutting off the flow of brine, then causing a flow of flush water through said bed for a predetermined time and at a substantially maximum flow, and then substantially instantaneously stopping the flow of flush water.

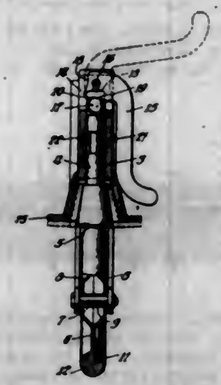
1,630,513. DOOR MECHANISM FOR WASHING MACHINES. FRITZ BALZER, Moline, Ill., assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill., a Corporation of New York. Filed Jan. 4, 1924. Serial No. 684,291. 3 Claims. (Cl. 220—41.)

1. In a washing machine, in combination, a rotary cylinder and an enclosing casing therefor, said casing and said cylinder both being provided with doors adapted to be brought into registry to permit access from the exterior of said casing to the interior of said cylinder, said cylinder door being mounted for sliding motion circumferentially of said cylinder, and having a latch member



for holding same in open or closed position, said latch member and said cylinder being provided with cooperating parts for holding part of said latch member, when said cylinder door is open, in a position to prevent the closing of said casing door.

1,630,514. CASTER MOUNTING. MATTHEW F. BAYER, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Jan. 18, 1923. Serial No. 613,404. 5 Claims. (Cl. 16—35.)

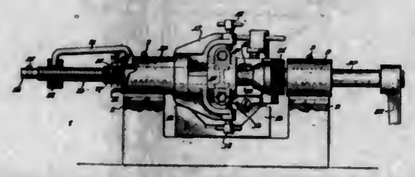


1. In a device of the class described, the combination of a bearing member having a bearing socket and a slotted upper end, the slot and socket communicating with each other, a caster wheel bracket having a stem journaled to rotate in said socket and also to slide axially therein, a caster wheel journaled in said bracket and a flange extending from said bearing member and arranged to tangentially engage the periphery of said wheel upon axial movement of said stem in said bearing member, a cam pivotally mounted in said slotted upper end for imparting said axial movement to said stem, anti-friction means interposed between the upper end of said stem and said cam, said cam having a pair of seats, each of which is adapted to engage said anti-friction means in one of the extremities of its operative movement, and means for retaining said stem in said socket.

1,630,515. REAMING OR BORING TOOL. GEORGE W. BENEDICT, Detroit, Mich., assignor to Kent-Moore Organization, Detroit, Mich. Filed May 5, 1924. Serial No. 711,092. 1 Claim. (Cl. 77—2.)

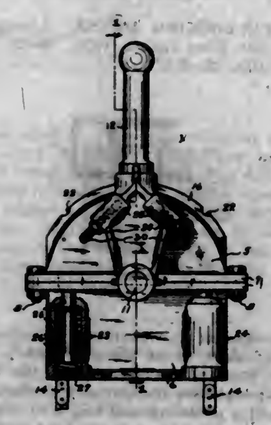
A reconditioning machine comprising a base, clamping means on said base adapted for holding a bearing of a connecting rod, a rotatable arbor detachably supported

on said base and adapted to extend through the bearing of the connecting rod, a reversible feed screw coaxially of said arbor, said feed screw having reduced ends either of which may be placed in an end of said arbor, a detent in each reduced end of said feed screw engageable with the end of said arbor for securing said feed screw thereto, a nut on said feed screw, and an arm disposed above



said feed screw and having the ends thereof detachably mounted in said nut and in said base so that said nut will be held stationary relative to said base yet permit of said nut being adjusted when said arm is removed therefrom, and a bit carried by said arbor and adapted to be shifted through the bearing of said connecting rod by rotation of said arbor.

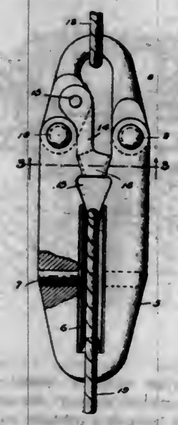
1,630,516. CONTROLLER. KNUTH BERGER, Seattle, Wash. Filed Aug. 2, 1926. Serial No. 126,606. 6 Claims. (Cl. 74—89.)



1. In a controller of the class described, a frame, a pulley pivotally mounted on said frame, a flexible connector member carried by said pulley, a handle for oscillating said pulley, said handle having a neutral position, and having an operative position on each side of said neutral position, and resilient recoil means for permitting an overthrow of said handle past either of said operative positions and returning said handle to said operative position.

1,630,517. SNATCH BLOCK. KNUTH BERGER, Seattle, Wash. Filed Aug. 2, 1926. Serial No. 126,607. 2 Claims. (Cl. 254—194.)

1. A snatch block comprising two substantially U-shaped members, the adjoining legs of said members secured together on one side for pivotal movement, means for locking the adjoining legs together on the other side, a sheave rotatively carried by one of the members, said sheave carrying member having an enlarged slot adapted to guide a running line into engagement with the sheave, a dog pivotally connected to the other member, and



adapted to serve as a closure for said slot and as a means for retaining the legs of the U-shaped members in spaced relation.

1,630,518. NIPPER. WILLIAM A. BERRY, Xenia, Ohio, assignor to The Hooven & Allison Company, Xenia, Ohio, a Corporation of Ohio. Filed Apr. 2, 1926. Serial No. 99,240. 3 Claims. (Cl. 118—39.5.)



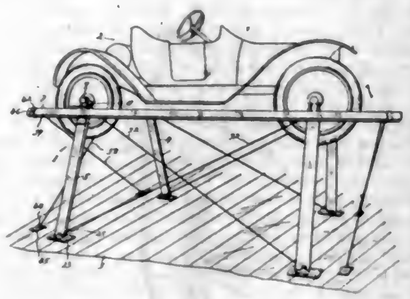
1. In a device of the character described a pair of cooperating nipper blades having flared opening portions, oppositely disposed, flattened holding faces, and contiguous smoothing grooves each of said flattened faces terminating at its respective groove, and having its side margins diverging gradually to the full width of said groove.

1,630,519. BRAKE-ROD HEAD. WILLIAM W. BLAKELY, Detroit, and CHARLES A. GOODSPEED, Highland Park, Mich.; said Goodspeed assignor to said Blakely. Filed June 11, 1923. Serial No. 644,697. 9 Claims. (Cl. 287—58.)



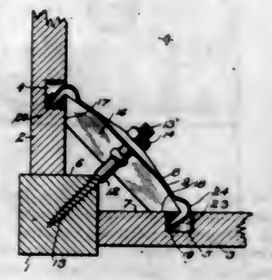
9. In combination, a rod having a flaring end portion, a head sleeved upon said flaring end portion, a shoulder on the rod constituting an abutment for said head, and a second abutment member for the head held on the rod by the flaring portion aforesaid.

1,630,520. DOUBLE-DECKING DEVICE. WILLIAM W. BLAKELY, Dexter, Mich. Filed Apr. 20, 1925. Serial No. 24,633. 9 Claims. (Cl. 105—368.)



1. The combination with a vehicle and a support therefor, of means on the support for holding the vehicle in elevated position including upright members supporting the wheel hubs of the vehicle, clamps secured to said upright members at the upper ends thereof, anchor plates secured to said support adjacent to the lower ends of said upright members, and bracing means connecting the clamps at the upper ends of the members to the anchor plates at the lower ends of the members.

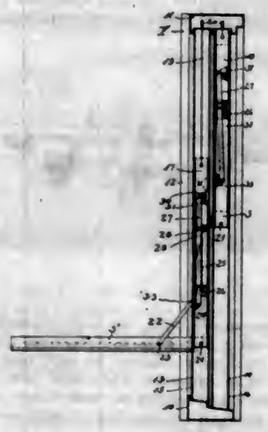
1,630,521. FURNITURE BRACE. SVEN G. BOLIN, Kansas City, Mo. Filed Mar. 7, 1925. Serial No. 13,863. 3 Claims. (Cl. 45—48.)



3. A furniture brace having, in combination, a body portion, and oppositely disposed angular hooks on said body portion, said hooks being formed with lateral edges adapted to engage the side wall of a cylindrical hole in angular relation to the axis of said hole, said edges converging toward the point of the hooks.

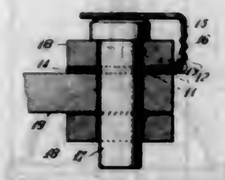
1,630,522. WINDOW STRUCTURE. CHARLES F. BOUCEK, Chicago, Ill., assignor to Ruda Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 4, 1926. Serial No. 92,113. 5 Claims. (Cl. 20—49.)

1. In a window structure, the combination of a window frame having upright side channels, runner frames slidable in said channels, a window sash pivoted to said runner frames to swing vertically into open or closed position, a lever in each runner frame, brake shoes on said levers, said runner frames having openings adjacent to said brake shoes, wedge mechanism in said runner frames, and connections between said wedge mechanism and said sash adapted upon swinging of said sash to open position to actuate said levers to cause the brake shoes to be



projected through said openings into friction engagement with the sides of said channels to thereby lock said sash against vertical movement in said channels.

1,630,523. PIN-LOCKING MEANS. LLOYD J. BROWN, Evanston, Ill. Filed June 1, 1926. Serial No. 112,992. 1 Claim. (Cl. 85—5.)

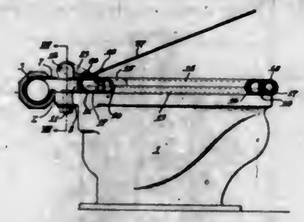


Locking means of the character described, composed of a blank of sheet metal provided with a plurality of corrugations disposed transversely of the blank at an angle to the peripheries thereof, said corrugations extending throughout a predetermined length of the blank while the opposite end of the blank is provided with a plain surface, the corrugated end of the blank being provided with a pin receiving aperture, the corrugated end of said blank at a predetermined point intermediate of the aperture and the opposite end of the blank being bent so as to provide a pair of legs or portions disposed at right angles to each other, the juncture between the legs or portions, within the angle defined thereby, being provided with reenforcing ribs disposed lengthwise, while the plain surfaced portion of one of said legs is bent into parallel spaced relation with the apertured leg.

1,630,524. TOILET SEAT. AUGUST J. BRUDER, Holly, Mich. Filed Dec. 2, 1925. Serial No. 72,617. 1 Claim. (Cl. 4—217.)

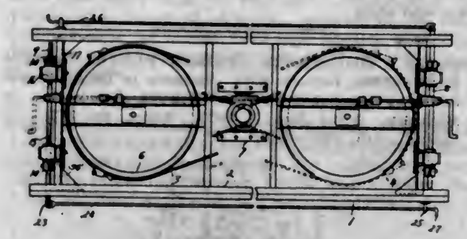
The combination of a toilet bowl, an outlet T connection thereon, and a hollow seat pivotally and detachably connected to said bowl and having an opening establishing a ventilating connection between said bowl and the connection, said seat being composed of a bottom section

having posts, front and back top sections fitted in said bottom section, posts carried by said top section and adjoining the posts of said bottom section, the front top



section having a lap joint with the front and back top section, and means connecting the adjoining posts of the sections together.

1,630,525. ATTACHMENT FOR VEHICLES. JAMES HARRY CLARK, River Rouge, Mich. Filed Feb. 20, 1923. Serial No. 620,125. 15 Claims. (Cl. 280—91.)



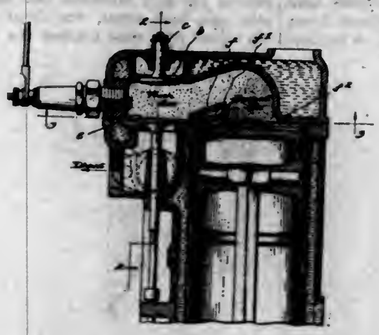
1. The combination with a vehicle having a main frame, a wheeled truck connected thereto and mechanism for steering said truck, of a shaft supported from said frame, plates secured to said truck, blocks upon said shaft adapted to engage said plates to retain said truck in a pre-determined position with respect to said frame, a handle secured to one of said blocks, a rod connected to said shaft and extending to the opposite end of said frame, and a handle upon said rod.

1,630,526. MACHINE TOOL. STUART A. COGSDILL, Detroit, Mich., assignor to Cogsdill Manufacturing Company, Detroit, Mich., a Copartnership. Filed Mar. 30, 1925. Serial No. 19,521. 5 Claims. (Cl. 279—77.)



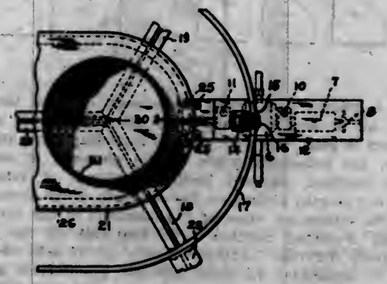
1. In a machine tool, the combination with a cutter shank having a longitudinally extending recess in its side, of a holder having a recess extending longitudinally from one end thereof for receiving said shank, and having a second recess extending longitudinally of and communicating with the first mentioned recess, a pawl rotatable about its longitudinal axis arranged to lie within the second recess during the assembling of said shank with said holder and to extend into the recess in said shank and have an extended contact with said shank longitudinally thereof when said shank is assembled with said holder.

1,630,527. INTERNAL-COMBUSTION ENGINE. EVERETT B. CUSHMAN, Lansing, Mich. Filed Feb. 16, 1924. Serial No. 693,214. 8 Claims. (Cl. 123—191.)



1. In an internal combustion engine, a cylinder, a piston travelling substantially to the top of the cylinder, a combustion chamber in which substantially the entire chamber is comprehended in a relatively long passage of substantially smaller diameter than the cylinder, the axis of the long passage being substantially at right angles to the axis of the cylinder, and a spark plug together with an exhaust valve and port, and an intake valve and port located at the extreme end of such long and narrow combustion chamber remote from the piston.

1,630,528. DRILL MECHANISM. JOHN W. DOYLE, Seattle, Wash. Filed Apr. 19, 1926. Serial No. 102,933. 1 Claim. (Cl. 77—6.)

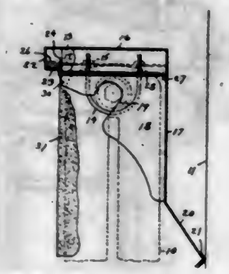


Apparatus of the class described embodying a work support, an arcuate trackway formed around one edge of said work support, another arcuate trackway positioned above said work support, a frame supported and guided for arcuate movement by said trackways, a power operated drill unit carried by said frame and adjustable vertically thereon, means for counter balancing the weight of said drill unit, and a substantially horizontal drill in said drill unit supported with its axis directed toward the vertical axis of the center of curvature of said trackways for all positions of said drill unit on said arcuate trackways.

1,630,529. RADIATOR COVER. KARL DELICA, Portland, Oreg. Filed July 22, 1925. Serial No. 45,211. 1 Claim. (Cl. 237—79.)

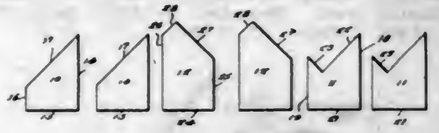
A radiator cover having a pair of horizontal bracket members each of which consists of a channel member adapted to be placed horizontally over the sections of a radiator with the open side of the channel uppermost, each bracket having a U bolt clamp passing around the

under side of the section connection under its respective bracket and fastening to the under side of said channel in a manner to hold its bracket in a permanent position; a removable shelf resting on said brackets and having downturned front, side and rear edges, the front edge having an inturned lip whose rear edge touches the front



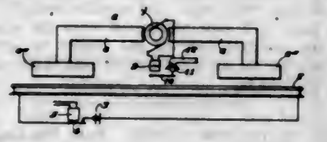
of the brackets and the rear edge of said shelf touching the back of said brackets, said rear edge extending downwardly and backwardly to form a spring contact with the wall behind the radiator, said shelf being capable of removal by a lifting action thereon without the removal of any fastenings.

1,630,530. PUZZLE. RICHARD FRYER, Humboldt, Saskatchewan, Canada. Filed Sept. 15, 1924. Serial No. 737,888. Renewed Apr. 20, 1927. 2 Claims. (Cl. 273—157.)



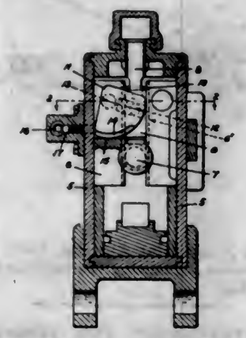
1. A puzzle comprising three sets of two elements each, all of said elements being substantially of oblong contour in plan, and each element including three straight edges, the remaining edges of the elements of one set being inclined, opposed inclined surfaces of relatively different lengths formed on the elements of the second set, and the remaining edges of the elements of the third set having V-shaped notches with the side of the V of relatively different lengths, whereby all of said elements may be associated to form different geometrical figures.

1,630,531. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LEMUEL F. HOWARD, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 27, 1922. Serial No. 603,462. 12 Claims. (Cl. 246—63.)



1. In combination, a track rail carrying direct current, a train provided with a generator having a field disposed to receive magnetic flux due to the direct current in said track rail, means on the train for driving the armature of said generator, and train governing apparatus controlled by the current delivered by said armature.

1,630,532. MACHINE-GUN UNIT. THOMAS M. JEFFERY, U. S. Army, Aberdeen Proving Ground, Md. Filed Jan. 13, 1926. Serial No. 81,079. 10 Claims. (Cl. 89—27.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

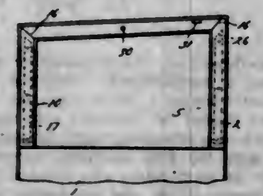


10. The combination with a sear, of a lever fulcrumed adjacent the sear and swingable across the path of travel of the sear, and a sliding connection between the lever and sear.

1,630,533. ADJUSTABLE STRIKER PLATE. EVERETT E. LUNDBERG, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 5, 1925. Serial No. 677. 13 Claims. (Cl. 292—340.)

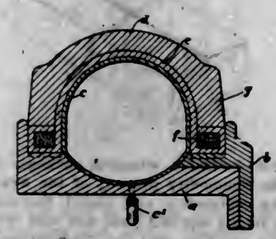
1. The combination with a door jamb having an opening therein, of a retainer plate bridging the opening, a sheet metal wedge-shaped striker plate adjustably mounted on the retainer plate, means carried by the retainer plate for adjusting the striker plate, and means also carried by the retainer plate for holding said striker plate in adjusted position.

1,630,534. DOOR-WINDOW FINISH-STRIP ASSEMBLY. WILLIAM MARSHALL, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed July 19, 1926. Serial No. 123,537. 3 Claims. (Cl. 296—44.)



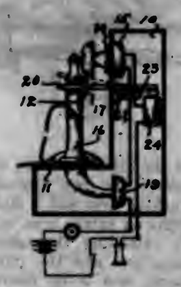
3. A door assembly comprising a door frame having a cross bar, and depending upright members at the ends of said cross bar, an inverted substantially U-shaped finish strip for said frame having the base of the U extending longitudinally of said cross bar and having the leg portions of the U extending longitudinally of the said upright members, and anchorage strips for said finish strip secured to said upright members and disposed within the leg portions of said U-shaped finish strip.

1,630,535. PNEUMATIC TIRE. HANS MAUL, Pasing, near Munich, Germany. Filed Dec. 2, 1926. Serial No. 152,117. 1 Claim. (Cl. 152—10.)



In combination with an inner tube, a tire casing comprising a tread portion and inwardly inclined lateral walls, said walls being of substantial cross-section, the tread portion being of sufficient cross-section to automatically shift the lateral walls to a position parallel to the plane of the tire and to each other on deflation of the inner tube.

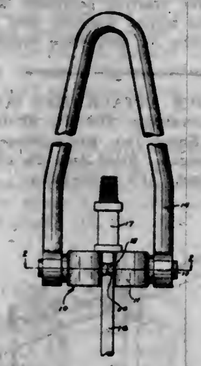
1,630,536. MEANS OF MECHANICALLY INTERCONNECTING SEPARATE TELEPHONE SYSTEMS. RUSSELL L. MAURER, Indianapolis, Ind., assignor of one-half to Edward A. Maurer. Filed May 1, 1926. Serial No. 105,920. 2 Claims. (Cl. 179—170.)



1. The combination with a telephone having an upright standard, a transmitter carried on the standard, a telephone switch-operating, receiver arm extending from the standard normally tending to move upward, and a detachable receiver, of a table supporting said telephone, an extension from the table, a receiver carried by the extension adapted to be covered by the transmitter of said telephone, a transmitter carried by the table against which the telephone receiver may be placed, a lever pivotally carried by the extension adapted normally to press the telephone switch arm downwardly, and an electro-magnet carried by the table to operate said lever whereby said arm may travel upwardly.

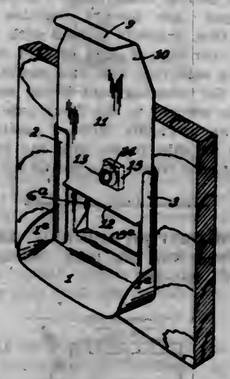
1,630,537. SUCKER-ROD ELEVATOR. SAMUEL McGIBBON, Buena Park, Calif. Filed May 2, 1925. Serial No. 27,456. 5 Claims. (Cl. 294—91.)

1. A sucker rod elevator including a body, said body having a rod receiving recess therein, said body having a pair of opposed straight holes therein, a plunger mounted to move linearly in each hole, said plungers being adapted in one position to be arranged across said recess to close the same, means to urge said plungers to recess closing position, means to move said plungers to



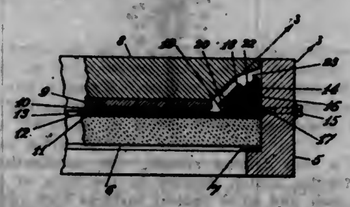
open position, said means including latches, said latches and said plungers having teeth thereon in direct engagement.

1,630,538. COMBINATION SPOUT AND GATE FOR BINS. RAMIRO PAUL MICALLEF, Fontana, Calif. Filed June 7, 1926. Serial No. 114,132. 3 Claims. (Cl. 221—145.)



1. In a combination spout and gate for bins, a vertical, sheet metallic gate support formed from a single sheet with grooves on its opposite sides and a spout portion at its lower side, and a sheet metallic gate slidably mounted in the grooves.

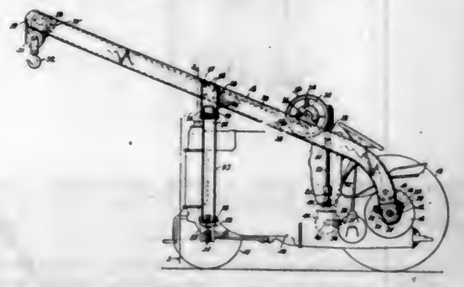
1,630,539. NEGATIVE-MAKING DEVICE. ASHLEY G. OGDEN, Baltimore, Md., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Apr. 22, 1926. Serial No. 103,762. 4 Claims. (Cl. 95—73.)



1. A device for making on one film a plurality of accurately registered negatives of a small original, comprising a photographic exposure frame having a glass

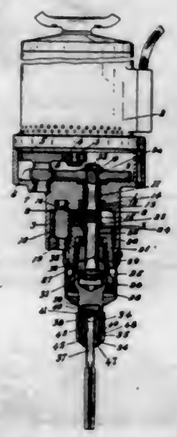
bottom to which the original is secured, a guideway formed along one side of the frame, a slide carrying the film and movable in said guideway, means for accurately indicating successive relative positions of said original and said slide, and means whereby said slide is locked in successive positions for successive exposures.

1,630,540. DERRICK ATTACHMENT FOR TRACTORS. THOMAS F. RAINSFORD, Detroit, Mich., assignor to Whitehead and Kales, Inc., River Rouge, Mich., a Corporation of Michigan. Filed Aug. 26, 1925. Serial No. 52,655. 10 Claims. (Cl. 212—142.)



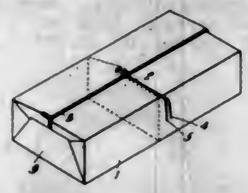
1. The combination with a tractor having front and rear axles, of a derrick comprising, a frame formed of a pair of U-shaped bars secured together in forwardly converging relation, brackets formed with apertured lugs secured to the rear end of each of said frame members, U-bolts engaging said rear axle and passing through said apertured lugs for securing said frame members to said rear axle, means secured to the front axle for supporting said frame in an upwardly inclined position, a hoisting tackle mounted on said frame with the block thereof at the front end of said frame, and means for operating said hoisting tackle.

1,630,541. TOOL-DRIVING SPINDLE. ERIC SANDSTROM, Erie, Pa. Filed Nov. 25, 1921. Serial No. 517,833. 2 Claims. (Cl. 10—136.)



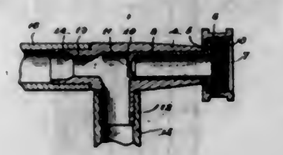
1. In a tool driving spindle, the combination of a driven friction clutch member in the form of a sleeve having inner and outer conical surfaces both inclined in the same direction; a forward driving friction clutch member having a conical surface conforming to and engaged by one of the conical surfaces of the friction clutch member when it is subjected to thrust; and a reverse driving friction clutch member having a conical surface conforming to and engaging the other surface of the driven member when the driven member is subjected to pull.

1,630,542. PACKAGE WRAPPING. MYRTLE SCHULZ, Riverside, Ill. Filed July 10, 1922. Serial No. 574,012. 1 Claim. (Cl. 229—87.)



In a sealed severable wrapped package, the combination with the commodity proper; of the wrapping proper enclosing the commodity and sealed thereon said wrapping having folded meeting ends and said wrapping being sealed; and a severing cord for the wrapper proper, said severing cord being loosely confined between the wrapper proper and the commodity and encircling the latter, both free ends of the severing cord being interfolded with folded edges of the wrapper proper and both ends only anchored by said interfolded edges, said ends both being extended to the exterior of the wrapper proper where they are adapted to be grasped and pulled, substantially as specified.

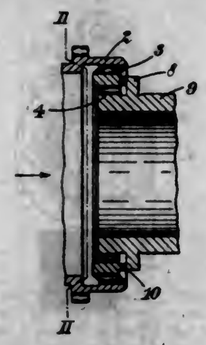
1,630,543. RECEPTACLE FILLING AND DRAINING DEVICE. WILLIAM H. SCOTT, Rochester, N. Y. Filed July 27, 1925. Serial No. 46,206. 3 Claims. (Cl. 162—1.)



3. An ejector of the class described comprising a tubular T-shaped member, the two aligned arms of which form a faucet attaching arm and a discharge arm while the lateral arm forms an intake arm, said member having a cylindrical bore extending throughout the length of the faucet attaching arm and the intake arm, the passage of the discharge arm being restricted adjacent its intake end and flared outwardly beyond the same, and a tubular member having a cylindrical exterior throughout the greater portion of its length and fitting and extending the entire length of the faucet attaching arm and provided at its inner end with an end wall located at one side of the bore of the intake arm and extending across the faucet attaching arm and provided with a restricted opening forming a jet aperture disposed opposite the restricted end of the bore of the discharging arm.

1,630,544. DRIVING OF ROTARY BLOWERS OR PUMPS FOR USE ON INTERNAL-COMBUSTION ENGINES. FREDERICK ROBERTSON SMITH and SPIRITO MARIO VIALE, Coventry, England. Filed May 12, 1926, Serial No. 108,646, and in Great Britain May 16, 1925. 1 Claim. (Cl. 64—92.)

In the driving of a rotary blower for use as a supercharger on an internal combustion engine, the combination of a driving member and a driven member free of engagement with one another, internally arranged teeth on one of said members and externally arranged teeth on the other member in the same radial planes as the internal teeth, a rigid connecting ring free to float radially in the plane of the teeth on said driving and driven members, and teeth formed externally and internally



upon said ring adapted to engage respectively with the teeth on the driving and driven members, substantially as set forth.

1,630,545. TOP CONSTRUCTION. SYDNEY SMITH, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Jan. 15, 1925. Serial No. 2,536. 11 Claims. (Cl. 296—137.)



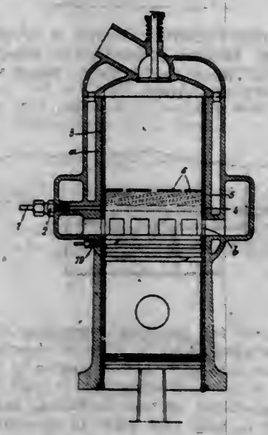
1. A vehicle top frame comprising a continuous sheet of metal having a substantially flat deck portion and integral curved side members, the lower edge of said metal being reversely bent to form a channel, a reinforcing member within said channel, and transversely extending reinforcing members secured to the under side of said frame and to said first-named reinforcing member.

1,630,546. STEAM GENERATOR. HUGH SWARTZ and PAUL C. MULLIGAN, Seattle, Wash., assignors, by direct and mesne assignments, to Dual Oil Burner Company, a Corporation. Filed Apr. 12, 1926. Serial No. 101,331. 2 Claims. (Cl. 122—40.)



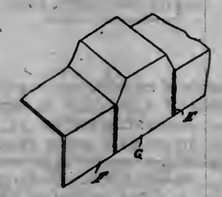
1. In a steam generator of the class described, an outer casing having a closed outer end, a manifold fitting on the inner end of said casing, a conduit extending through said manifold fitting and into said casing, thence bent double near the outer end of said casing and extending back to a point near the inner end of said casing, the inner end of the conduit being open, a partition in said casing near the inner end, a deflector member extending lengthwise of said casing from said partition to a point near the opposite end of said casing and dividing said casing into an upper and lower compartment, said partition member having openings at the end of said upper compartment for the passage of steam and said manifold fitting having a steam outlet port, and means for supplying liquid to the inlet end of said conduit.

1,630,547. LUBRICATING ARRANGEMENT FOR THE CYLINDERS OF TWO-STROKE CYCLE ENGINES. EUGÈNE HENRI TARTRAIS, Montmorency, France. Filed Jan. 14, 1926, Serial No. 81,143, and in France Jan. 21, 1925. 6 Claims. (Cl. 184—18.)



1. In combination with a two stroke cycle engine having an inner sleeve, a lubricant inlet at the outer periphery of said cylinder, an annular groove at the outer periphery of said sleeve and communicating with said lubricant inlet, narrow and deep apertures provided in said sleeve, opening into the interior of said cylinder, and conduits of great length and relatively small cross section opening into said groove and into said apertures.

1,630,548. CAR-BODY CONSTRUCTION. WILLIAM D. THOMPSON, Detroit, Mich., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Delaware. Filed June 11, 1920. Serial No. 388,208. 2 Claims. (Cl. 105—410.)



1. A fashioned metal plate comprising successive portions in the body thereof arranged in separated parallel planes, and a marginal portion in a common plane, said margin having closed cut out portions which compensate for the difference in length of the fashioned and unfashioned portions.

1,630,549. CURTAIN AND DRAPE FIXTURE. HENRY TIELKEMEYER, St. Louis, Mo. Filed Apr. 22, 1926. Serial No. 103,771. 2 Claims. (Cl. 156—10.)

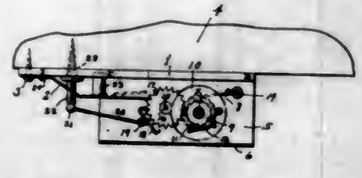
1. A drape or curtain fixture comprising a bracket having a vertical series of holes and a slot extending

from each hole downwardly toward the inner edge of the bracket and having an upwardly extending seat defined



from the upper edge of the connected slot by an abrupt shoulder and arranged to receive a projection from the end of a curtain rod.

1,630,550. FIRE ALARM. JAMES G. TREMAIN, Port Huron, Mich., assignor of one-half to Joseph Tremain, Detroit, Mich. Filed Aug. 1, 1923. Serial No. 655,042. 3 Claims. (Cl. 116—106.)



2. A fire-alarm for buildings comprising a clockwork and a hammer adapted to be vibrated thereby, an anvil for said hammer secured to such a portion of the building as is adapted to transmit vibrations, a plate to normally prevent the operation of the clockwork, and a fusible block adapted to hold said plate in operative position, said anvil serving to secure the alarm in position.

1,630,551. SAFETY-RAZOR-BLADE SHARPENER. JOHN VAUGHAN, Milwaukee, Wis., assignor, by direct and mesne assignments, of three-eighths to Allen Nor, Milwaukee, Wis., and one-eighth to William F. Simonsen. Filed Dec. 26, 1922. Serial No. 608,956. 4 Claims. (Cl. 51—211.)

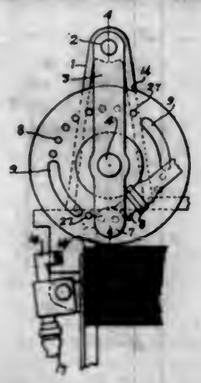


1. As a new article of manufacture, a safety razor blade sharpener consisting of a flat slab of abrading material having a concave sharpening surface of greater width than the width of an ordinary safety razor blade.

4. A sharpening device, consisting of a slab like body provided with a concave abrasive sharpening face of greater width than the width of a razor blade, the radius of the curve of said face corresponding to the bevel of the edge of the blade to be sharpened thereon in any position of use.

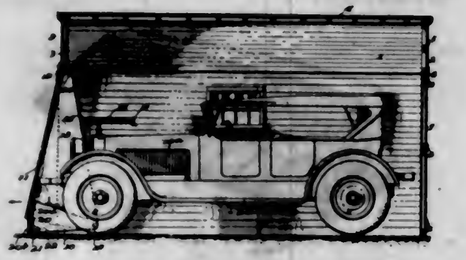
1,630,552. ROTARY FEEDER. ROBERT J. WATERWORTH, Sidney, Ohio, assignor of one-half to L. M. Studevant, Sidney, Ohio. Filed Oct. 5, 1926. Serial No. 139,735. 8 Claims. (Cl. 271—20.)

1. In a feeder, a rotary feeding head, a flattened portion on the periphery thereof said head having supplementary suction passageways communicating with said flattened portion, a main suction passageway communicating with the periphery of the feeder head, a suction means adapted to supply suction to said passageways



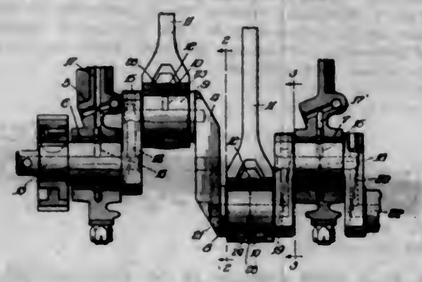
whereby the leading edge of a sheet to be fed will be drawn against the flattened portion of the feeder head and bent at an angle to the sheets upon which it rests.

1,630,553. GARAGE. WILLIAM F. WATSON, Athens, Ga. Filed July 19, 1926. Serial No. 123,459. 17 Claims. (Cl. 20—1.13.)



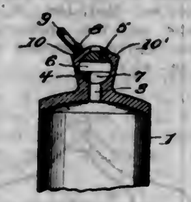
17. In a garage, a vertical wall including a section adapted to yield in an outward and upward direction under impact or pressure, and means automatically adjustable on opening of said yieldable section to substantially close the space between the yieldable section and the underlying surface.

1,630,554. OIL-FEED CONSTRUCTION. CHILDE HAROLD WILLS, Marysville, Mich. Filed Nov. 6, 1920. Serial No. 422,160. 12 Claims. (Cl. 184—7.)



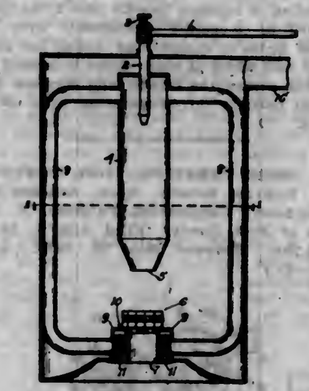
1. A rotating member, a bearing therefor, said member having an oil passage therein and having a channel communicating with said passage upon a chord of the circle of said member extending between the exterior of the member and said passage.

1,630,555. TUBE. ROY M. WITT, Tampa, Fla. Filed June 18, 1926. Serial No. 116,968. 2 Claims. (Cl. 221—60.)



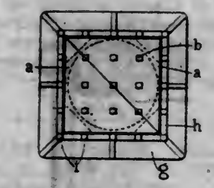
1. A tube for paste and the like comprising a head having a discharge passage therein and a bore intersecting the passage, a rotary valve in the bore and having a slot therein for registering with the passage when the valve is moved to a certain position, a yoke shaped handle connected with the ends of the valve for moving the same, said valve having a slot leading from the first slot through one side of the valve for placing said first slot in communication with the interior of the tube when the valve is in closed position and the head having shoulders thereon for limiting the movement of the handle.

1,630,556. BURNER FOR HEAVY HYDROCARBONS. EDSON R. WOLCOTT, Port Arthur, Tex. Filed Dec. 20, 1923. Serial No. 681,851. 5 Claims. (Cl. 158—53.)



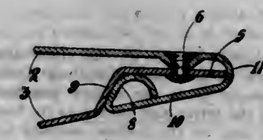
1. A hydrocarbon burner comprising supply means for liquid hydrocarbon, a volatilizing chamber adapted to receive such liquid hydrocarbon from said supply means and provided at its lower end with an opening adapted to permit free and continual discharge of residual material, a burner means positioned directly below said lower opening of the volatilizing chamber and adapted to receive the residual hydrocarbon therefrom, means for conducting to said burner means hydrocarbon vapor produced by action of heat on the hydrocarbons supplied to the said volatilizing chamber, said burner means being provided with means for supplying air thereto for combustion of both the residual hydrocarbon and the said hydrocarbon vapor and means for conducting the hot products of combustion from said burner means to a position to heat the said volatilizing chamber.

1,630,557. COVER FOR MANHOLES. WALTER JOSEPH Woodsow, London, England. Filed Oct. 29, 1926, Serial No. 144,980, and in Great Britain Dec. 19, 1925. 5 Claims. (Cl. 94—34.)



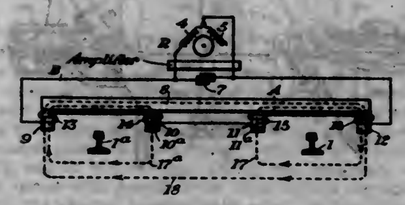
1. A cover for a manhole comprising in combination a plurality of separate triangular sections which are loose with respect to each other and which together form the cover proper, and a frame having seatings to support each of the said separate triangular sections at their three angles, substantially as set forth.

1,630,558. JOINT FOR SHEET-METAL PLATES. HAMILTON NEIL WYLIE and FREDERICK MICHAEL GREEN, Coventry, England. Filed May 20, 1926, Serial No. 110,506, and in Great Britain May 28, 1925. 4 Claims. (Cl. 189—36.)



1. A joint for sheet metal plates wherein one plate is bent in two positions to form a step, thereby bringing its edge closer to another plate to which it is fastened, and an extension of the second plate is bent to lie over and above the step and to meet the bent edge of the first plate so that it forms a smooth continuation of the latter's surface.

1,630,559. TRAIN-CARRIED RECEIVER FOR AUTOMATIC TRAIN-CONTROL SYSTEMS. CONRAD H. ZIERDT, Rosedale, Penn Township, Allegheny County, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 5, 1925. Serial No. 60,504. 2 Claims. (Cl. 246—63.)



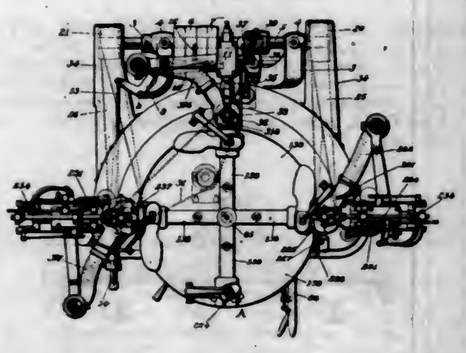
1. A train-carried receiver comprising a bar extending transversely across the track rails and having four downwardly projecting legs, two of which are on opposite sides of one track rail and the other two of which are on opposite sides of the other track rail, and a winding made up of a coil on each leg, said coils being connected in series in such manner that the electromotive forces induced therein by an alternating current flowing through the two track rails in multiple are additive.

1,630,560. HAIR-CURLING DEVICE. PERCY MORTON BEARD, Tulsa, Okla. Filed Mar. 3, 1926. Serial No. 92,015. 7 Claims. (Cl. 132—37.)



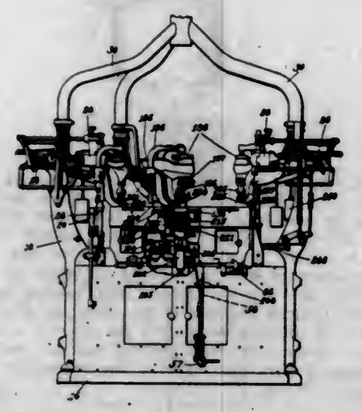
1. A hair curling device of the class described comprising a hollow member, and a heating member disposed within and spaced from the hollow member to thereby indirectly heat the latter and having at its free end prongs to engage the end of the hollow member to center the heating member therein.

1,630,561. HEEL MACHINE. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 4, 1918. Serial No. 265,245. 106 Claims. (Cl. 12—87.)



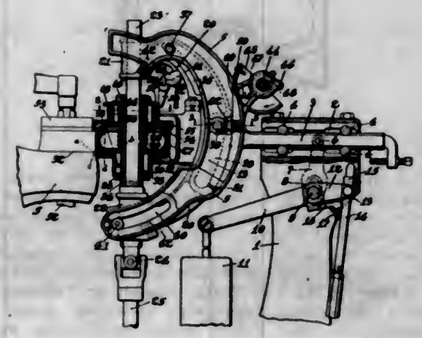
6. In a machine of the class described, the combination of a trimming tool, a randing tool, and a scouring tool, means for operating said tools at uniform speeds, means for successively presenting the heel of a shoe to the treatment of each of said tools, and means for moving the heel relatively to each of said tools as each acts upon the heel to cause the tool to treat the same extent of heel surface in successive equal units of time from one breast corner to the other.

1,630,562. MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Dec. 4, 1918, Serial No. 265,245. Divided and this application filed Jan. 21, 1926, Serial No. 82,710. Renewed Mar. 5, 1927. 41 Claims. (Cl. 12—87.)



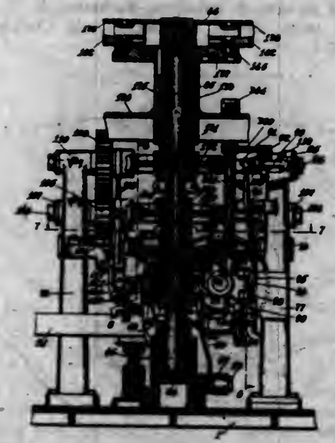
20. A machine of the character described, comprising a rotatable table, a circular series of shoe-supporting and heel-pressing instrumentalities thereon, means for holding and releasing the same, a series of connections extending downward below the table for actuating said instrumentalities, a common treadle and actuating connection adapted to co-operate successively with the members of said series of connections, means for guiding the members of said series of connections to normal positions, and a spring urging the treadle and common connection to a normal position for co-operating with the series of connections.

1,630,563. HEEL-TREATING TOOL SUPPORT. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 5, 1920, Serial No. 401,289. Renewed May 25, 1926. 21 Claims. (Cl. 12—87.)



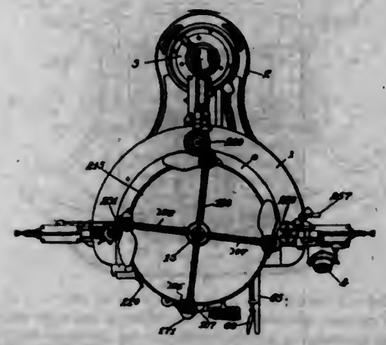
8. A machine having a tiltable rotary heel treating tool, means to limit tilting of the tool in one direction to an initial position with the axis substantially vertical, and a mounting for the tool permitting it to move to tilt its axis from the vertical to treat different parts of a heel and fixing the axis of tilting at such a position that the force of gravity acts on the tool and associated parts of the mounting yieldingly to resist tilting of the axis of the tool from the vertical.

1,630,564. HEEL-FINISHING MACHINE. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 13, 1920, Serial No. 351,117. Renewed May 28, 1926. 35 Claims. (Cl. 12—87.)



7. A heel finishing machine comprising a series of rotary heel finishing tools including a rotary polishing brush, a jack, means for moving the jack to present the heel of a shoe mounted thereon successively to the different tools, a member movable by the operative to initiate the movement of the jack, a wax holder displaceable to apply wax to said rotary polishing brush, and means connecting said wax holder to said movable member to hold said wax holder in position to apply wax to said brush while said movable member is in displaced position.

1,630,565. HEEL MACHINE. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 6, 1923, Serial No. 630,835, and in Canada Apr. 7, 1922. 15 Claims. (Cl. 12—87.)



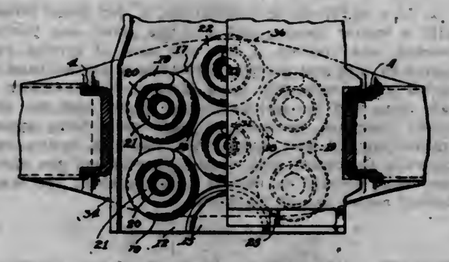
1. In a machine of the character described, a plurality of tools adapted for operating upon a shoe heel and arranged in a circle, a turret rotatable about the center of said circle and carrying a plurality of work supporting devices each rotatably mounted on the turret, means for intermittently rotating said turret to transfer a heel to said tools successively, means for intermittently rotating the work-supporting devices relatively to the turret, means for effecting intermittent reverse rotation of the turret in the direction opposite to the direction of its work-transferring movement, and controlling means constructed and arranged to cause rotation of the work-supporting devices relatively to the turret while the turret is stationary and between two reverse movements of the turret.

1,630,566. TOILET ACCESSORY. WILLIAM FRIEDMAN, New York, N. Y. Filed July 26, 1926. Serial No. 124,984. 4 Claims. (Cl. 206—56.)



1. A toilet accessory comprising means for holding a make-up stick and permitting the same to be moved longitudinally, and means associated with said holding means for shaving the end of said stick when moved longitudinally in one direction.

1,630,567. CAR TRUCK. BYERS W. KADEL, Baltimore, Md. Filed Apr. 1, 1926. Serial No. 99,063. 21 Claims. (Cl. 105—197.)

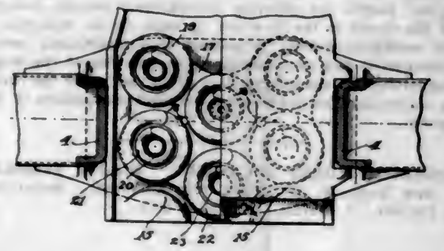


2. In a car truck, in combination, a side frame formed with a bolster opening and a spring plank seat portion beneath the bolster opening, a spring plank positioned on said spring plank seat portion of the frame, a standard five unit nest of springs supported on said spring plank above the spring plank seat portion of the frame and an additional spring unit positioned inwardly of the center spring unit of the five unit group, said additional unit being spaced with respect to the other springs corresponding to the spacing between said other springs and the entire group being shifted outwardly so that its center of gravity corresponds with the longitudinal center line of the frame.

1,630,568. CAR TRUCK. BYERS W. KADEL, Baltimore, Md. Filed Apr. 1, 1926. Serial No. 99,064. 17 Claims. (Cl. 105—197.)

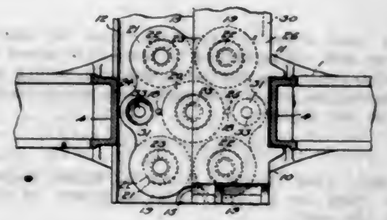
1. In a car truck, in combination, a side frame formed with a bolster opening and a spring plank seat portion

beneath said opening, a standard nest of springs supported by said spring plank seat portion and an additional spring unit located outward of the center spring of said nest,



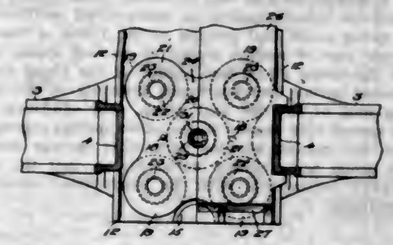
said standard nest being positioned inwardly so that the whole group balances about the center line of the side frame.

1,630,569. CAR TRUCK. BYERS W. KADEL, Baltimore, Md. Filed May 12, 1926. Serial No. 108,661. 19 Claims. (Cl. 105—197.)



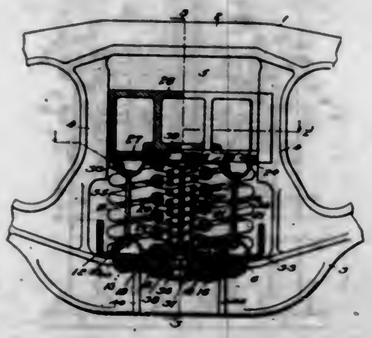
1. In a car truck, in combination, a side frame formed with a bolster opening and a spring plank seat portion beneath said opening, a five unit nest of springs supported by said seat portion and arranged as two pairs of spring units, each pair being disposed longitudinally of said frame and the springs of each spaced with just sufficient clearance therebetween, said pairs being spaced transversely of said frame with the fifth spring unit centrally positioned with respect thereto and the entire nest being located so that it balances about the longitudinal center line of the frame.

1,630,570. CAR TRUCK. BYERS W. KADEL, Baltimore, Md. Filed May 12, 1926. Serial No. 108,662. 19 Claims. (Cl. 105—197.)



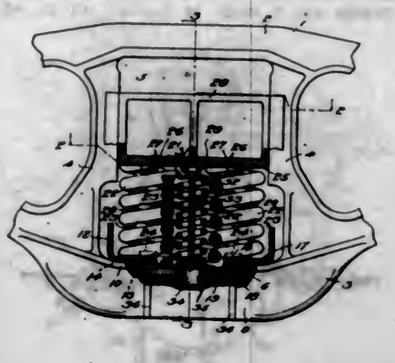
1. In a car truck, in combination, a side frame formed with bolster columns leaving an opening therebetween normally adapted for a four unit nest of springs and a spring plank seat portion beneath said opening, a five unit nest of springs supported by said spring plank seat portion and arranged with two pairs of transversely arranged springs, longitudinally spaced to allow just sufficient clearance with respect to the bolster columns, the spring units of each pair being spaced sufficiently transversely of the frame for receiving the fifth spring unit centrally disposed with respect thereto, said five unit nest of springs being positioned so that it balances about the longitudinal center line of the side frame.

1,630,571. CAR TRUCK. BYERS W. KADEL, Baltimore, Md., and DONALD S. BARROWS, Rochester, N. Y. Filed May 20, 1926. Serial No. 110,510. 15 Claims. (Cl. 105—197.)



1. In a car truck, in combination, a side frame formed with a bolster opening and a spring plank seat portion underlying said opening, a nest of springs of uniform normal height supported by said spring plank seat portion, and a bolster supported by said nest of springs, said bolster being so constructed that the springs will be successively loaded.

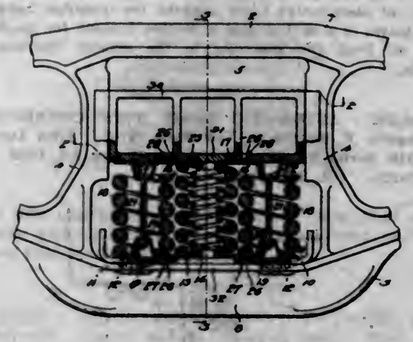
1,630,572. CAR TRUCK. BYERS W. KADEL, Baltimore, Md., and DONALD S. BARROWS, Rochester, N. Y. Filed May 20, 1926. Serial No. 110,511. 17 Claims. (Cl. 105—197.)



1. In a car truck, in combination, a side frame formed with a bolster opening and a spring plank seat portion underlying said opening, a spring plank supported on said spring plank seat portion, a nest of springs of uniform

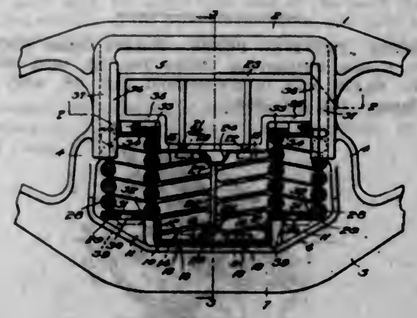
normal height supported by said spring plank seat portion and spring plank, and a bolster supported by said nest of springs, said spring plank being so constructed that the springs will be successively loaded.

1,630,573. CAR TRUCK. BYERS W. KADEL, Baltimore, Md., and DONALD S. BARROWS, Rochester, N. Y. Filed June 9, 1926. Serial No. 114,739. 20 Claims. (Cl. 105—197.)



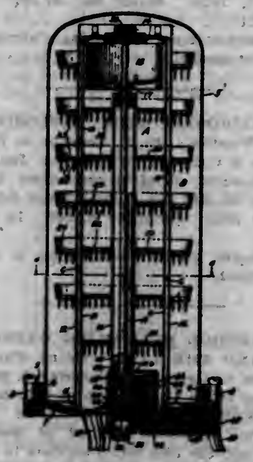
1. In a car truck, in combination, a side frame formed with a bolster opening and a spring plank seat portion underlying said opening, a nest of springs supported by said spring plank seat portion, a bolster supported by said nest of springs, and additional springs of approximately the same diameter positioned one on either side of said nest, the springs in said nest being longer than the additional springs whereby the latter are not stressed until after a predetermined compression of said nest of springs.

1,630,574. CAR TRUCK. BYERS W. KADEL, Baltimore, Md., and DONALD S. BARROWS, Rochester, N. Y. Filed June 9, 1926. Serial No. 114,740. 13 Claims. (Cl. 105—197.)



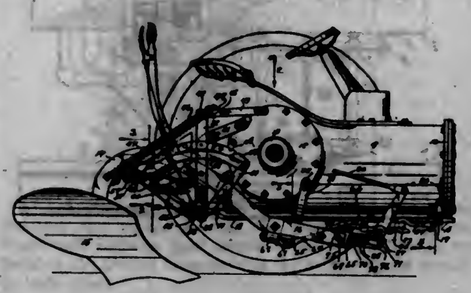
1. In a truck, in combination, a side frame formed with a bolster opening, a main spring supporting portion underlying said opening, an auxiliary spring supporting portion at a higher elevation adjacent said first mentioned spring supporting portion, a plurality of springs supported by said main spring supporting portion and a bolster supported by said springs, spring means disposed on the auxiliary spring supporting portion of the frame and extending toward said bolster, said spring means being of such a height that it is not stressed until after a predetermined compression of the other springs.

1,630,575. CARBONATOR. GEORGE H. MAAS, Milwaukee, Wis. Filed July 26, 1917. Serial No. 182,968. 12 Claims. (Cl. 261—19.)



1. In an apparatus of the class described including a casing, a movable chamber structure within the casing, means for supplying gas and liquid to the casing, and means operated by movement of the chamber structure for governing the flow of liquid into the casing.

1,630,576. TRACTOR-SUPPORTED PLOWING ATTACHMENT. MARTIN B. MONSON, Jefferson County, near Wheatridge, Colo., assignor, by direct and mesne assignments, to The Moro Plow & Manufacturing Company, Denver, Colo., a Corporation of Colorado. Filed Mar. 20, 1925. Serial No. 16,981. 8 Claims. (Cl. 97—47.)



1. In combination with a tractor and paired plow elements including rear and forward plow beam portions, of supporting means directly mounted upon said tractor, for suspending said rear plow beam portions therefrom, embodying rocker crank-like elements pivotally mounted at their lower ends and at their upper ends provided with a cross-member disposed in arcuately operative association with the under side of its complementary rear plow beam

portion, adjustable means for swinging said crank elements, and means for pivotally connecting the forward plow beam portions with said tractor at positions forwardly of the rear of said tractor.

1,630,577. NITROGLUCOSIDE EXPLOSIVE. ROBERT C. MORAN, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Original application filed Jan. 23, 1923, Serial No. 614,455. Divided and this application filed Nov. 6, 1925. Serial No. 67,207. 20 Claims. (Cl. 52—13.)

1. An explosive mixture comprising a nitrated glucoside of a polyhydric alcohol.

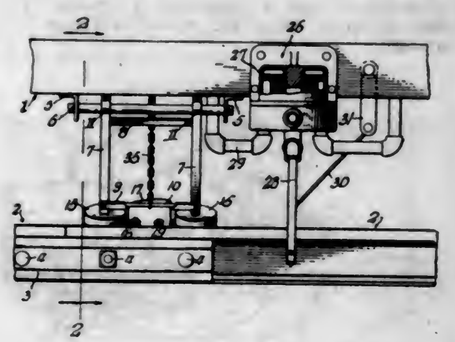
1,630,578. NITROGLUCOSIDE EXPLOSIVE. ROBERT C. MORAN, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Original application filed Jan. 23, 1923, Serial No. 614,455. Divided and this application filed Nov. 6, 1925. Serial No. 67,208. 19 Claims. (Cl. 52—13.)

1. An explosive mixture comprising a nitrated glucoside of a glycol.

1,630,579. METHOD OF MAKING GYPSUM STUCCO BLOCKS AND THE LIKE. CALEB PAYNE, Chicago, Ill., assignor to Gypsum Engineering & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1924. Serial No. 743,136. 3 Claims. (Cl. 18—55.)

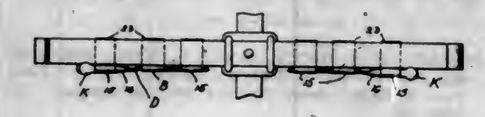
1. The herein described method of making gypsum stucco blocks and the like which consists in confining the mass during hydration and subjecting the mass at the time of initial set to a substantial amount of pressure, thereby compacting the mass and eliminating surplus water.

1,630,580. AUTOMATIC MAKE-AND-BREAK CONTACTOR. HARRY W. PROTZELLER, East Chicago, Ind., assignor to O. F. Jordan Company, East Chicago, Ind., a Corporation of Indiana. Filed Apr. 8, 1926. Serial No. 100,767. 10 Claims. (Cl. 104—279.)



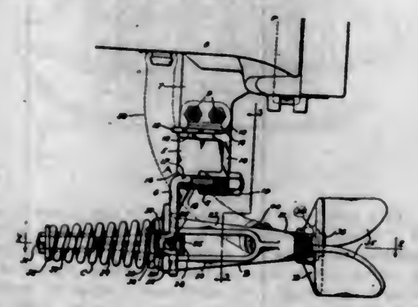
1. A contactor of the kind described embodying therein, a supporting plate, means thereon adapted for a guiding engagement along a track rail, relatively movable contact members mounted on said plate and normally inactive means mounted on said plate and adapted to engage a part of a joint in said rail to cause a relative movement of said members into contact and to hold the same therein as long as said normally inactive means engages said rail joint part.

1,630,581. LUBRICATING DEVICE FOR VEHICLE SPRINGS. WILLIAM K. RILEY, Huntington Park, Calif. Filed Dec. 8, 1923. Serial No. 679,404. 8 Claims. (Cl. 184—1.)



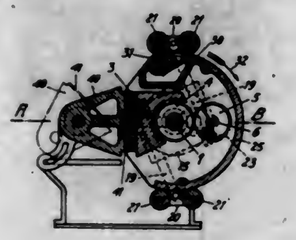
1. A spring lubricating device comprising an oil reservoir, oil distributing units adapted for insertion between the leaves of a spring, and a flexible conduit for conducting oil from the reservoir to the several distributing units.

1,630,582. AUTOMATIC TRAIN PIPE CONNECTER. JOSEPH V. ROBINSON, New York, N. Y. Filed Dec. 5, 1919, Serial No. 342,806. Renewed Aug. 16, 1926. 13 Claims. (Cl. 285—58.)



1. In an automatic train pipe connecter, the combination of a coupling head, a base having oppositely disposed bearings which project rearwardly from the rear side of the base, a universal joint mounted in said bearings for permitting universal movement to said head, a conduit connected with said coupling head, means extending from said conduit to the rear of said base, a projection mounted on the rear end of said means and cooperating with the rearwardly projecting portion of said bearings to resist undue rotary movement of said coupling head about its longitudinal axis, and a spring for extending said head.

1,630,583. PRINTING PRESS. JOHANN GEORG SCHICK, St. Gallen, Switzerland. Filed Jan. 22, 1926, Serial No. 83,129, and in Switzerland Jan. 28, 1925. 2 Claims. (Cl. 101—313.)



1. In a printing press a bed to hold a form, a revoluble shaft extending through the bed from end to end, an ink cylinder concentric with said shaft and provided with a fountain, inking roller carrying means mounted for rotation and the axis of rotation of which is concentric with said shaft and ink cylinder, a countershaft geared

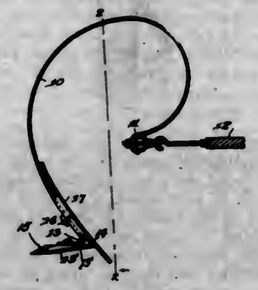
to the first named shaft and to said inking roller carrying means, and means actuated by said countershaft to impart reciprocating motion to said ink cylinder, said means including cams on said countershaft and tappet members in said cylinder coacting with said cams.

1,630,584. RAILWAY-TRACK JOINT. WILLIAM H. SCHNEIDER, Freeport, N. Y. Filed Feb. 17, 1926. Serial No. 88,742. 13 Claims. (Cl. 238—151.)



1. The combination with a railway track joint of a fibrous packing therein adapted to receive and retain a track joint lubricant.

1,630,585. COMBINED CULTIVATOR TOOTH AND SWEEP. PHILIP SIMONS, Pewamo, Mich. Filed Dec. 3, 1924. Serial No. 753,668. 3 Claims. (Cl. 97—205.)



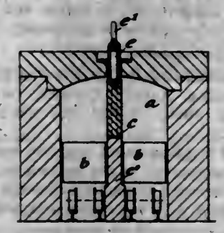
1. The combination of a harrow tooth, and a triangular horizontally disposed blade provided with a shank at its tip secured to the rear side of said tooth supporting the blade with its apex at the rear of the tooth and in spaced relation to the point of the tooth, said blade being upwardly and inwardly curved from each cutting edge thereof.

1,630,586. THERMOSTAT SWITCH. IRA EDWARD SMITH, Stockton, Calif. Filed May 8, 1925. Serial No. 28,847. 1 Claim. (Cl. 200—140.)



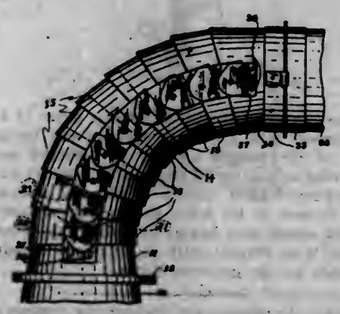
A thermostat switch comprising a contact structure consisting of a substantially horizontal tube containing a conducting liquid and spaced contacts depending into the tube adjacent one end thereof, a turnable bracket on which said tube is mounted, an element movable by varying temperature conditions, connecting means between the element and bracket for turning the latter when said element moves, another contact structure similar to the first named structure and including a second tube, a bracket in which said second tube is mounted and itself turnably mounted on the first named bracket, and clamping means for maintaining the last named bracket in any desired position relative to said first bracket.

1,630,587. KILN AND OTHER HEAT-TREATMENT FURNACE. CHARLES WILLIAM SPEIRS, Battersea, London, England, assignor to Morgan Crucible Company Limited, Battersea, London, England. Filed Jan. 21, 1926, Serial No. 82,749, and in Great Britain Sept. 9, 1925. 13 Claims. (Cl. 25—142.)



1. A tunnel kiln wherein the firing zone is formed by an electric resistor fixed vertically in the centre of the tunnel so that the heat is radiated equally from both sides on to two streams of articles passing either in the same or opposite directions.

1,630,588. BLOWER PIPE FOR WIND STACKERS. HERBERT B. SPERRY, Chicago, Ill., assignor to Appleton Manufacturing Company, a Corporation of Illinois. Filed Apr. 20, 1923. Serial No. 633,390. 10 Claims. (Cl. 193—26.)

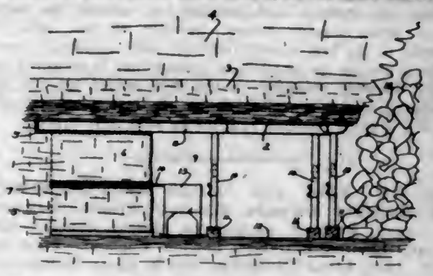


1. A flexible elbow comprising a plurality of pivoted sections, and means forming the pivotal connection between said sections, said means having stops thereon for limiting the pivotal movement of the sections with respect to each other.

1,630,589. METHOD OF AND MEANS FOR SUPPORTING ROOF STRATA DURING THE MINING OF MINERALS. WILLIAM P. TABER, Adena, Ohio. Filed June 6, 1925. Serial No. 35,444. 4 Claims. (Cl. 61—84.)

1. The herein described method of supporting roof strata during the mining of minerals, which consists in excavating at the top of a mineral vein, a hole which

extends beyond the vertical plane of the section of minerals next to be removed, then inserting in said hole a support to rest at its inner end upon the solid minerals



beyond the section thereof to be taken out, and then sustaining said support at its outer end in the space from which the minerals have previously been removed.

1,630,590. PROCESS OF MOLDING FACED CONCRETE UNITS. WILLIAM ROSCOE TUCKER, Dawsonville, Ga. Filed Nov. 22, 1926. Serial No. 150,151. 1 Claim. (Cl. 18—60.)

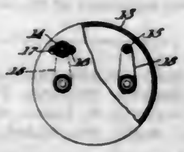
The process of molding faced concrete units which consists in placing aggregate in the bottom of a mold, pouring in sufficient mercury to partly submerge the aggregate, and filling the mold with a concrete mixture.

1,630,591. FURNACE-DAMPER DEVICE. JAMES VRBA, Marshalltown, Iowa, assignor to Lennox Furnace Company, Marshalltown, Iowa. Filed Nov. 24, 1924. Serial No. 751,959. 4 Claims. (Cl. 126—285.)



3. The combination with a radiator drum of a deflector plate formed with a damper opening and having at the bottom of the damper opening an enlarged socket, and also having at the top of the damper opening an enlarged body portion formed with a socket, and a damper body having formed at its lower end a tapered bearing fitted into said socket and having formed at its upper end an enlarged body formed with a pivot pin opening at its upper end, for the purposes stated.

1,630,592. ELECTRICAL MEASURING INSTRUMENT. EDWARD F. WESTON, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a Corporation of New Jersey. Filed Nov. 2, 1925. Serial No. 66,350. 4 Claims. (Cl. 171—95.)



1. An electrical measuring instrument having pin-shaped terminals arranged parallel to each other and means for adjusting the spacing of the latter while maintaining their parallel arrangement.

1,630,593. PROCESS OF MAKING ESTERS FROM ALDEHYDES. CHARLES O. YOUNG, Jackson Heights, N. Y., assignor to Carbide & Carbon Chemicals Corporation, a Corporation of New York. Filed Aug. 12, 1925. Serial No. 49,838. 4 Claims. (Cl. 260—106.)

2. Process of making esters which comprises bringing anhydrous aldehyde into contact with a catalyst comprising the aluminum alkoxy derivative of ethylene glycol monoethyl ether having the formula $(C_2H_4(OC_2H_5)O)_3Al$.

1,630,594. WINDOW VENTILATOR. VICTOR M. ALLEN, Waverly, N. Y. Filed Aug. 14, 1920. Serial No. 403,568. 5 Claims. (Cl. 98—99.)



1. In a window ventilator, the combination of a frame having a longitudinal recess in the under side of its top bar and provided with an upturned longitudinal rib on the front wall of said recess, a plurality of panels pivotally mounted in the frame, the pivot of one of the panels being elongated, a worm wheel fixed on said elongated pivot, a shaft disposed transversely to the worm wheel, means for setting said shaft, a worm on said shaft meshing with the worm wheel, and an overhanging lip extending along the top of the uppermost panel and playing in the recess in the frame to engage over and bear upon the upturned rib.

1,630,595. SAFETY STARTING CRANK FOR INTERNAL-COMBUSTION ENGINES. ARTHUR E. BABCOCK, Dolores, Colo. Filed Sept. 16, 1926. Serial No. 135,921. 3 Claims. (Cl. 123—185.)



3. In a device of the type described, a shaft adapted at one end for engagement with the shaft of an internal combustion engine, a crank for rotating the shaft comprising an arm and an angular extension on said arm forming a hand grip, said arm being formed in two relatively rotatable sections one of which is rotatably engaged with the opposite end of the shaft and the other of which bears said hand grip, a ratchet mechanism connecting the

shaft and the first named section of the arm including a pawl carried by the arm, a cam for disengaging said pawl to render the same inoperative and a connection between the cam and the last named section of the arm, shifting the cam to disengage the pawl when the arm is rotated.

1,630,596. ANTISEPTIC ADHESIVE TAPE. PETER BANFF, Chicago, Ill. Filed Nov. 16, 1925. Serial No. 69,396. 2 Claims. (Cl. 128—268.)



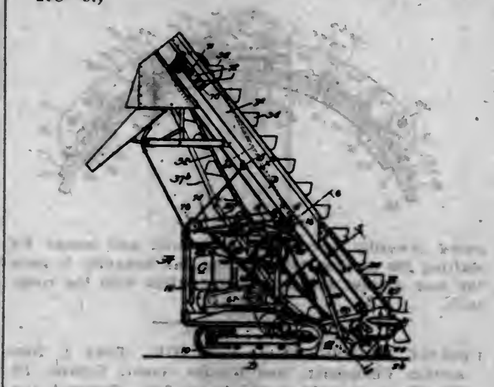
1. An antiseptic adhesive tape comprising an impervious web of appropriate width having one face thereof provided throughout with an adhesive substance and its other face non-adhesive throughout, a lengthwise extending folded medicated element secured to said web by the adhesive coating and coextensive with said web, said element of materially less width than the width of the web and spaced equi-distant from each side edge of the latter, and a pair of removable, oppositely extending protecting elements for said adhesive coating and said medicated element, each of said protecting elements having its outer side edge flush with the side edge of said web and its inner face at the outer portion thereof removably secured throughout to the adhesive face of the web at one side of the medicated element to provide a normally connected outer portion and a permanently disconnected inner portion, said protecting elements when removed exposing portions of said adhesive face to permit of said portions anchoring the web to retain the medicated element in position, said protecting elements having the inner portions thereof extending in opposite directions, normally overlapping each other, disconnected from each other, opposing and disconnected from said medicated element and providing oppositely disposed finger grips for removing said protecting elements.

1,630,597. ADHESIVE TAPE. PETER BANFF, Chicago, Ill. Filed Dec. 2, 1926. Serial No. 152,173. 3 Claims. (Cl. 128—268.)



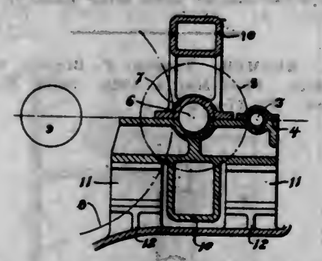
1. An antiseptic adhesive tape comprising an antiseptic web impervious to water and pervious to air and having its outer face non-adhesive throughout and its inner face adjacent the longitudinal median thereof and on each side provided with an adhesive coating, said coatings spaced from each other to provide the inner face of the web with a central portion free of adhesive, a medicated element having each side marginal portion of one face thereof secured with said web by an adhesive coating, and a pair of oppositely extending, overlapping protecting elements for said medicated element, said protecting elements being removably secured to said web by said coatings adjacent the sides of said medicated element.

1,630,598. LOADER. HARRY H. BARBER, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a Corporation of Illinois. Filed July 30, 1923, Serial No. 654,534. Renewed Feb. 21, 1927. 58 Claims. (Cl. 198—9.)



1. In a machine of the class described, a supporting structure, a track upon said structure, a conveyor boom having a forward loading end, a pair of parallel rollers upon said boom and being so located as to cause an overbalance of said loading end and to engage said track, said boom being adapted to travel and tilt upon said track and said track forming the sole downward thrust resisting support for said boom in predetermined positions.

1,630,599. DOUBLE-REDUCTION GEAR. KARL BAUMANN, Urmston, England, assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed July 16, 1923, Serial No. 651,778, and in Great Britain July 25, 1922. 7 Claims. (Cl. 74—7.)



1. In a double reduction gearing embodying a high speed shaft, an intermediate speed shaft and a low speed shaft, a rigid frame member carrying two of said shafts so as to maintain them in parallel relationship, and mounting means for said frame member comprising a section of I-beam having the plane of its web substantially normal to the axis of the third shaft, whereby said frame may tilt with respect to said third shaft by flexure of said web.

1,630,600. DOOR CLOSURE FOR ROTATABLE RECEPTACLES. MAURICE F. BENTHAM and RAYMOND H. MOORE, Harvey, Ill., assignors to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Oct. 16, 1926. Serial No. 141,909. 21 Claims. (Cl. 220—55.)

1. The combination with a rotatable receptacle having an opening therein, and a door for the opening having marginal engagement with the receptacle, of a door-securing device comprising a member outside of and movable relatively to and across the door, a link, pivotal connec-

tions between the link-ends and the member and receptacle respectively, one of which is detachable, the pivots being disposed so the connection with the member will



swing inwardly toward the receptacle, and means for shifting the member to swing the link inwardly to force the door against and into tight relation with the receptacle.

1,630,601. CORNER-BEAD ERECTOR. JOHN J. BERSCHEID, Champaign, and GEORGE GARST, Urbana, Ill. Filed Mar. 18, 1926. Serial No. 95,740. Renewed Apr. 23, 1927. 4 Claims. (72—128.)



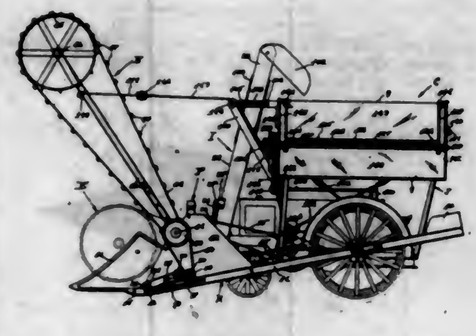
1. In a device of the character described, an elongated body member having a substantially V-shaped channel extending throughout one edge thereof to receive a corner bead strip, said body further having a groove formed therein at the crotch of said channel to receive a portion of said strip, and means carried by the body for holding the strip in the channel while being placed in position.

1,630,602. REAMER. FLORINO F. BLANCO, San Jose, Costa Rica. Filed May 4, 1925. Serial No. 27,970. 2 Claims. (Cl. 77—72.)



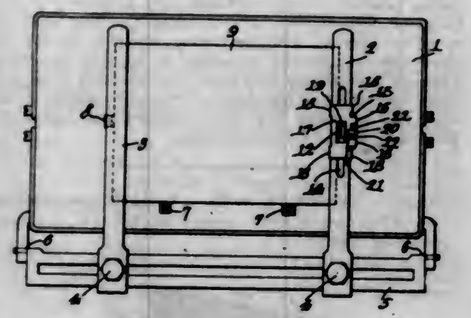
1. A reamer comprising a body having spaced rows of teeth, the teeth of the several rows similarly inclining throughout their length, and the teeth of alternate rows inclining in a reverse direction to the teeth of the intermediate rows.

1,630,603. ENSILAGE HARVESTER. ALF M. BOXRUD, Minneapolis, Minn. Filed Dec. 21, 1920. Serial No. 432,224. 20 Claims. (Cl. 56—16.)



1. In a device of the class described, a cutter for ensilage material, a central and adjacent outer conveyors passing rearwardly from said cutter, the latter occupying higher positions than that of the central conveyor, an ensilage chopper at the delivery end of the central conveyor and cross feed mechanism at the rear extremities of the outer conveyors to direct ensilage material therefrom to said central conveyor.

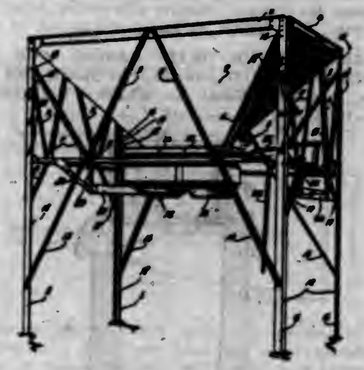
1,630,604. PUSHER. WALTER R. BRANHAM, Fort Valley, Ga. Filed Sept. 14, 1926. Serial No. 135,456. 7 Claims. (Cl. 101—414.)



1. The combination with the platen and the gripper of a printing press, of a feeder arm adapted to ride along the platen as the gripper approaches the platen, and means for mounting the arm intermediate its ends on the gripper for swinging movement transversely of the gripper, one end of the arm forming a stop to hold the other end of the arm at an acute angle to the platen when the gripper is spaced from the platen and when the arm is in an inoperative position.

1,630,605. MATERIAL-HANDLING EQUIPMENT. MORGAN R. BUTLER, Waukesha, Wis. Filed Apr. 11, 1925. Serial No. 22,343. 5 Claims. (Cl. 214—1.)

1. An apparatus for handling material, such as sand, gravel and the like, comprising, in combination, a supply bin, a supporting frame for mounting the supply bin above the ground to permit the passage thereunder to receive material therefrom, said supporting frame including vertical standards spaced apart to permit the passage of the motor vehicle or the like beneath the supply bin be-



tween any adjacent standards, and means for controlling the discharge of material from the supply bin and including an actuating lever positioned adjacent one standard.

1,630,606. PAPER BAG AND TWINE HOLDER. ENOCK A. CARLSON, Delvalle, Tex. Filed Apr. 21, 1926. Serial No. 103,554. 2 Claims. (Cl. 211—2.)



2. A paper bag holder comprising a metal strap reversely bent to provide a series of oppositely facing U-shaped loops, one member of each of the loops having a slot extending inwardly from an edge thereof and the other member having an opening, and a pin having its point inserted in an opening of one loop and its head engaging the slot of the adjacent loop.

1,630,607. ANIMAL TRAP. WINFIELD CATLIN, Rockville, Ind., assignor of one-half to Clarence A. Weaver, Hillsboro, Ind. Filed Apr. 6, 1926. Serial No. 100,145. 3 Claims. (Cl. 43—88.)



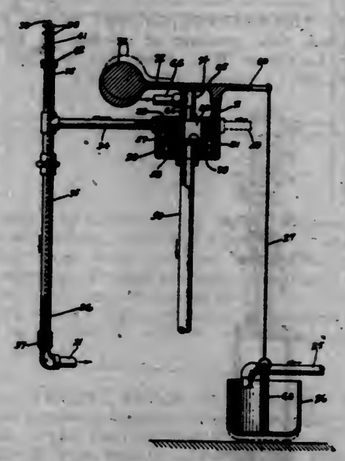
1. A trap including a pair of bars forming jaws having their inner ends pivoted in overlapping relation and having outer free ends, means to regulate contact between the inner portions of the bars in overlapping set position, springs connected at their outer ends to the outer ends of the jaws, said springs being flexibly connected to the jaws adjacent to their inner ends, a holder to which the inner ends of the springs are connected, said holder being otherwise free of connection with the jaws, and an anchor chain connected to said spring holder.

1,630,608. VEHICLE-DIRECTION INDICATOR. FARRO W. CHADWICK, San Francisco, Calif. Filed May 17, 1926. Serial No. 109,584. 11 Claims. (Cl. 116—51.)



1. A vehicle direction indicator comprising separate head and tail portions pivotally suspended in normal vertical position upon a common pivot mounting and normally disposed in proximate parallel relation; and means for swinging the portions outwardly together to horizontal position and for swinging either of said portions further outwardly independently upon the common pivot mounting into longitudinal alignment with the other portion to form an indicator pointing to right or left as desired.

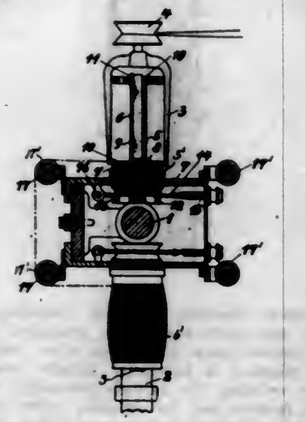
1,630,609. PRESSURE-CONTROLLED FLUID-FEEDING APPARATUS. CHARLES H. CHALMERS, Minneapolis, Minn. Original application filed Aug. 4, 1922, Serial No. 579,671. Divided and this application filed Nov. 14, 1925. Serial No. 69,099. 12 Claims. (Cl. 158—42.1.)



1. A pressure controlled fluid feeding apparatus including a fluid chamber, fluid supply and discharge pipes connected therewith, an air intake also connected with the chamber, a flange within said chamber encircling the air intake, said flange co-operating with the fluid level to define a pressure chamber within said fluid chamber, a fluid return pipe communicating with said pressure cham-

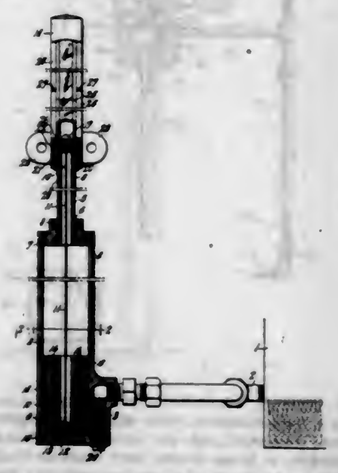
ber, and means adapted upon normal operation of the apparatus to maintain a pressure in said pressure chamber to prevent the return of the fluid from said fluid chamber to its source and to cause it to be discharged from said fluid chamber through said discharge pipe.

1,630,610. SUPPORT AND BRAKE FOR BOBBINS OF SPINNING MACHINES. HERMANN DEPPERMANN, Nowawes, near Potsdam, Germany. Filed Sept. 22, 1925, Serial No. 57,819, and in Germany Sept. 27, 1924. 10 Claims. (Cl. 118—55.)



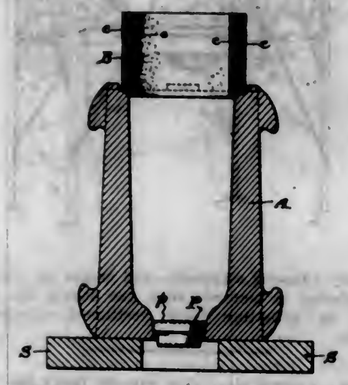
1. In a spinning machine, a lifter frame, a spindle having a floating bearing in said frame, one end of said spindle projecting from one side of the frame for engagement of a bobbin thereon and arranged with means for positively coupling and releasably holding a bobbin on the spindle, and a friction wheel constituting one member of a brake mechanism to retard the rotation of the spindle fixed to the spindle at the opposite side of the lifter frame in proximity to the bearing of the spindle in the lifter frame.

1,630,611. LIQUID-LEVEL GAUGE. GEORGE F. FALK, La Crosse, Wis., assignor of one-half to Stanley A. Taylor, La Crosse, Wis. Filed May 29, 1923. Serial No. 642,281. 3 Claims. (Cl. 73—82.)



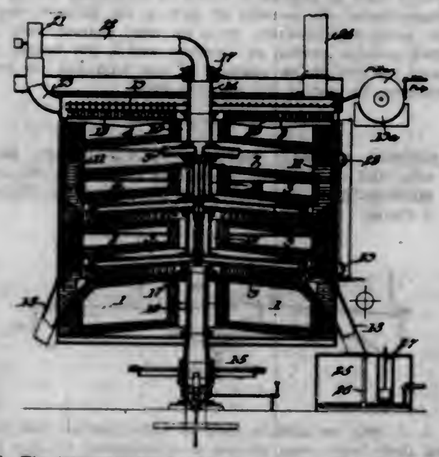
2. A device of the class described comprising a chamber, means whereby liquid may be admitted into said chamber to correspond in level therein with the level of the liquid in the tank or reservoir from which it flows, a float movable in said chamber responsive to the liquid level in said tank or reservoir, an indicator rod having a ball and socket joint with said float to be moved by said float for indicating the liquid level in said tank or reservoir.

1,630,612. SHRINK-HEAD CASING FOR INGOT MOLDS. EMIL GATHMANN, Baltimore, Md. Filed Mar. 8, 1926. Serial No. 93,136. 3 Claims. (Cl. 22—189.)



1. An ingot mold top or shrink head casing made of porous, refractory material, the melting or slagging point of which is lower than the temperature of liquid steel and which has its surface structure impregnated and coated with material, the melting or slagging point of which is higher than the temperature of liquid steel.

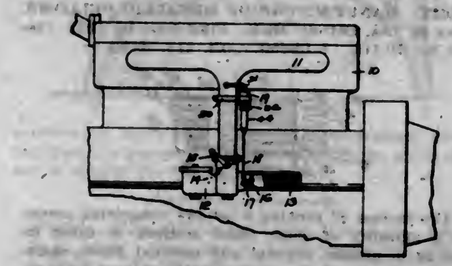
1,630,613. PROCESS OF DRYING AND CALCINING LITHOPONE. WALTER G. GRAVES, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 23, 1926. Serial No. 83,304. 2 Claims. (Cl. 134—78.)



1. The improvement in the process of making lithopone, which comprises carrying on the entire drying and calcining thereof as one continuous operation in one vessel.

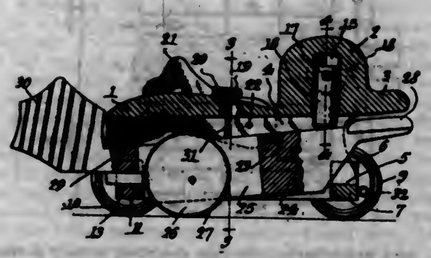
1,630,614. AUTOMATIC CHOKE ACTUATOR. ERNEST J. HIPNER, Lexington, Ky. Filed May 13, 1926. Serial No. 108,875. 15 Claims. (Cl. 261—64.)

1. The combination with the intake manifold of an internal combustion engine and carburetor connected therewith, said carburetor having a choke valve and throttle valve, of a cylinder associated with the intake manifold, a head for the cylinder having an inner bore in communication with the interior of the intake manifold above the throttle valve, a suction operated valve disc mounted within the cylinder beneath the head and adapted to be seated upwardly against the head, said



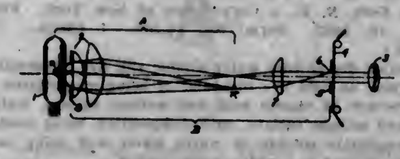
valve disc having an inner opening in permanent communication with the inner bore and outer opening or openings in communication with said bore when the valve disc is unseated and out of communication with said bore when the valve disc is seated, a plunger operating within the cylinder beneath the valve disc, and connecting means between the plunger and choke valve.

1,630,615. FIGURE WHEELED TOY. ALBERT L. HIGGINS, Bar Harbor, Me. Filed June 19, 1926. Serial No. 117,081. 8 Claims. (Cl. 46—45.)



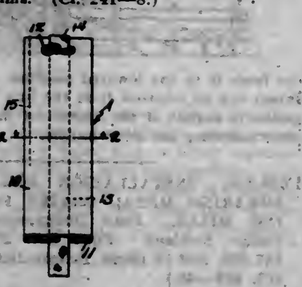
1. A figure wheeled toy including a body having a head portion, there being a bottom recess within the body, wheels supporting the body, a member comprising a part of the figure pivotally mounted within the body and having an extension at one end movable relative to the head portion, and an eccentric ground engaging wheel journaled on and supporting one end portion of the pivoted member.

1,630,616. OPTICAL SYSTEM FOR PROJECTION APPARATUS. ROGER M. HILL, Washington, D. C. Filed Nov. 21, 1923. Serial No. 676,089. 6 Claims. (Cl. 88—24.)



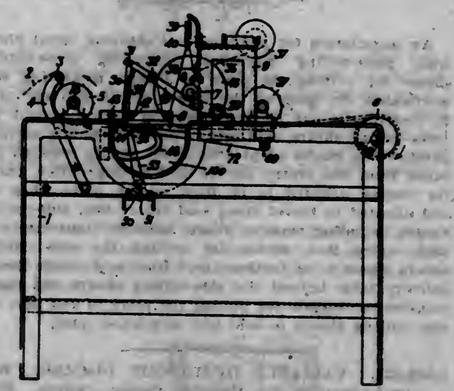
6. An illuminating system for projection apparatus the combination with a radiant, a primary condenser system, a diaphragm disposed intermediate the radiant and primary condenser system, a film aperture, an objective system to the front of the film aperture, the two systems being optically arranged with respect to each other and the film aperture for projection purposes, of an auxiliary condenser interposed between the film aperture and the primary condenser, said condenser being of such focal length and so positioned with respect to the radiant image and the film aperture as to image at the plane of the film aperture the field of light defined by said diaphragm.

1,630,617. METHOD FOR MAKING BELTS. ANNA JEWETT, Lawrence, Kans. Filed Dec. 28, 1925. Serial No. 78,066. 3 Claims. (Cl. 241—8.)



1. A method of the character described consisting of first providing a length of folded material of the desired size, attaching a flexible strip to one of the folds, stitching the adjacent longitudinal free edges of the folds and subsequently pulling the strip whereby to turn the material.

1,630,618. METHOD OF AND MEANS FOR MANUFACTURING LATHING FOR WALLS AND CEILINGS. KARL MARTIN JOHANSSON, Stockholm, Sweden. Filed Sept. 16, 1926, Serial No. 135,884, and in Sweden May 20, 1926. 7 Claims. (Cl. 140—71.)

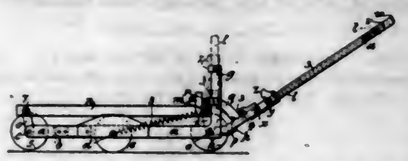


1. A method of manufacturing lathing which comprises taking a wire-netting, stretching a number of substantially parallel single wires over one side of said netting, bending said wires through meshes of the netting so as to form loops on the opposite side of the netting, introducing reinforcing bars through said loops, and contracting the loops so as to cause the wires to hold the bars firmly to the wire-netting.

1,630,619. LIFTING TRUCK OR TROLLEY. WALTER EDWARD KIMBER, Highgate, London, England, assignor to Ajax Trucks Limited, Manchester, England, a Corporation of Great Britain. Filed Oct. 11, 1926, Serial No. 140,851, and in Great Britain July 13, 1925. 6 Claims. (Cl. 254—10.)

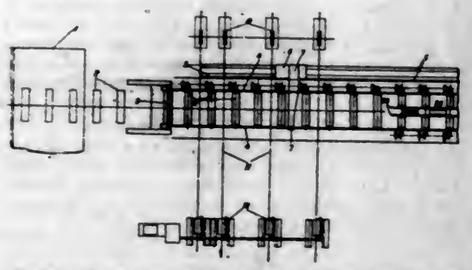
1. A liftable truck or trolley comprising a wheeled frame pivotally supporting a liftable frame adapted for receiving the load, a pivoted lever handle, a pivoted link device adapted for engagement by the lever handle for elevating the liftable frame, toothed detent means pivoted above the said link device on the wheeled frame and

adapted to engage the link device and retain the liftable frame in the elevated position, and trigger means on the lever handle adapted for engaging the detent means when



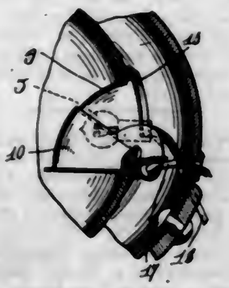
the lever is in the lowered position, whereby the toothed detent can be released from the link device by the trigger means to permit of the descent of the liftable frame only after lowering the lever handle.

1,630,620. INSTALLATION FOR HANDLING AND SHEARING METAL PLATES FROM PLATE-ROLLING MILLS. JOHN ROBERTSON LAMBERTON, Coatbridge, Scotland. Filed Dec. 27, 1926, Serial No. 157,358, and in Great Britain Oct. 9, 1926. 1 Claim. (Cl. 164—49.)



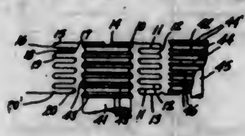
An installation for handling and shearing metal plates from plate-rolling machines comprising cross-cutting shears for cutting the plate to length, measuring stop mechanism for gauging the length cut, a delivery table to receive the cut length, a setting device beyond the cross-cutting shears, said setting device including movable parallel side guides adapted to be set at any required distance from the centre line of said setting device, transfer clamps adapted to be fixed to the plate when set and adapted to travel along said centre line, side-cutting shears including massive slides movable transversely of said centre line, means for setting the side cutting shears closer to or further apart from said centre line, a delivery table beyond the side-cutting shears and clamp transfer mechanism for pulling the plate to and past the side cutting shears to said last mentioned table.

1,630,621. VARIABLE HEADLIGHT DIMMER. WILLIAM LAVENTURE, Ste. Madeline, Quebec, Canada. Filed Nov. 8, 1926. Serial No. 147,120. 3 Claims. (Cl. 240—45.)



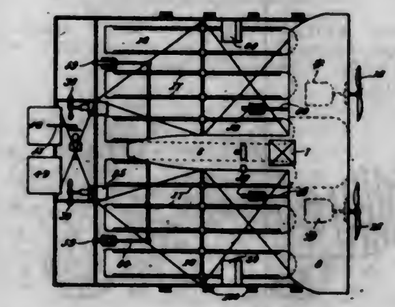
1. A headlight including a casing, a reflector mounted therein, and a lamp mounted in the reflector, in combination with a pair of telescopic shield members pivotally mounted with respect to said casing and reflector and adapted to cover said lamp, a flange provided at the rear end of the inner member, said flange engaging the outer wall of the reflector and being engageable by the rear end of the outer section.

1,630,622. MANUFACTURE OF METALLIC BELLOWS. JOHN M. LEA, Detroit, Mich. Filed Nov. 19, 1925. Serial No. 70,115. 7 Claims. (Cl. 113—116.)



1. The process of forming a bellows comprising assembling a plurality of sheet metal sections so fitted together as to present internal and external joints, maintaining said assembled sections under pressure, and applying solder simultaneously to the internal and external joints by rotating the assembly in contact with rotary soldering tools.

1,630,623. HYDROCRAFT. AKOS LUDASY, Wilkinsburg, Pa. Filed July 21, 1925. Serial No. 45,078. 11 Claims. (Cl. 114—66.5.)



1. In a hydrocraft of the type described, a body portion, a cross shaft journaled therein, a transverse series of pontoons, upwardly converging supporting bars for the pontoons with the upper ends of the bars fixed to the shaft, means for rotating the shaft to vary the angularity of the pontoons in respect to the surface of the supporting water, a cabin carried by the upper part of the body portion, marine propulsion means carried by the frame and projecting below the pontoons, and a rudder carried by the body portion and depending below the propulsion means.

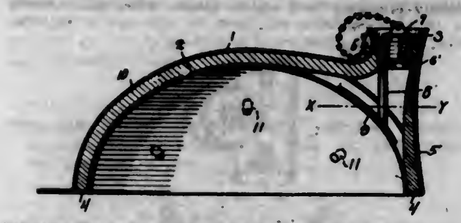
1,630,624. DYE COMPOSITION. JOSEPH MERRITT MATTHEWS, New York, N. Y., assignor to Glorient, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 18, 1925. Serial No. 24,265. 1 Claim. (Cl. 8—6.)

A stable dry powder water soluble silk dye composition comprising an acid dye incapable of being precipitated in the presence of maleic acid and sodium sulfate, maleic acid, and sodium sulfate, said composition being readily and completely soluble in warm water and being non-hygroscopic and non-caking when packed.

1,630,625. SCALP-TREATMENT HOT-WATER CAP. RALPH MAURIELL, Oceanport, N. J. Filed July 3, 1926. Serial No. 120,478. 4 Claims. (Cl. 128—259.)

1. A hot water bottle for the treatment of the scalp comprising a flexible dome shaped receptacle to form a

cap for the head including double walls, a filling neck at one end of the receptacle communicating therewith



between the walls and a vertical reinforcement extending from the bottom of the receptacle to the filling neck, and a stopper for the filling neck.

1,630,626. WINDOW JACK. SAM MENNEILEY, Lincoln Park, Mich. Filed Apr. 8, 1926. Serial No. 100,499. 2 Claims. (Cl. 304—24.)



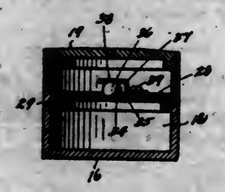
1. A window jack of the class described adapted for use on a building wall having an opening formed therein comprising: a cross bar for extending across said opening and for engaging one side of the wall of the building at opposite sides of said opening; a pair of bars connected to said cross bar and projecting therefrom through the opening in said wall; a pair of curved depending bars pivotally connected at one end to the outer ends of said bars; a platform pivotally mounted on the free ends of said depending bars, said depending bars moving upon downward pressure being exerted upon said platform into engagement with the opposite side of said wall, said side being tangent to the curve of said bars; and means for preventing the swinging of said platform on its mountings.

1,630,627. CUTLERY. HANNIBAL E. MILLER, Charlotte, N. C. Filed Oct. 10, 1925. Serial No. 61,762. 4 Claims. (Cl. 22—163.)



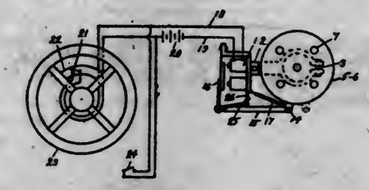
1. A pattern for forming a handle for cutlery, said pattern comprising a plate, a tang adapted to be inserted in the shell of the handle, said tang having a spring arm spaced from the body portion of the tang, means to allow metal to be poured around the tang, means to prevent the metal from filling the space between the spring arm and the body portion of the tang, and means to allow removal of the tang from the handle when the metal has cooled.

1,630,628. AUTOMATIC DRAIN DEVICE. ARTHUR L. MITCHELL, Dallas, Tex. Filed July 19, 1926. Serial No. 123,502. 1 Claim. (Cl. 277—45.)



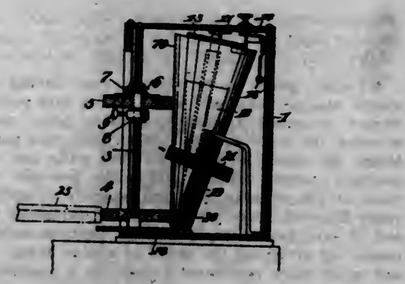
A controlling valve for a water heater system comprising a disk having an aperture therethrough countersunk at its upper end to form a valve seat, a freely movable valve operable upon said seat to open said aperture only upon the relief of the inlet pressure to drain the system, and a retaining plate secured to the upper face of the disk and extended over said valve to limit its upward opening movement.

1,630,629. ELECTRICALLY-OPERATED IGNITION CONTROL. JOHN P. NIKONOW, New York, N. Y. Filed Sept. 14, 1926. Serial No. 135,475. 1 Claim. (Cl. 123—146.5.)



In an electrically operated ignition control, the combination with an ignition unit of a magnet adapted to turn said unit to the position for retarding the spark, means to operate said magnet, means to support said magnet, means to keep said unit in a position for advanced spark when said magnet is not operated, and means to manually lock said unit in a retarded position.

1,630,630. GOVERNOR FOR PHONOGRAPHS. SUKEJIRO NISHIDA, Osaka-Fu, Japan. Filed Sept. 8, 1925, Serial No. 55,128, and in Japan Sept. 19, 1924. 3 Claims. (Cl. 188—187.)



1. In a governor for disc type phonograph, comprising a wheel adapted for engaging with the disc of said phonograph at its periphery, a rotatable shaft therefor, a second wheel slidably mounted on said shaft and rotatable with the same, a rotatable threaded rod disposed in parallel with said shaft, a nut member locked of its rotation but adapted to travel as the rod rotates and associated with said second wheel, a rotatable conical body having a side line parallel to said shaft along which side line

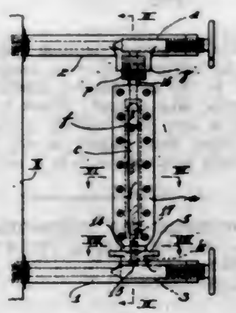
said second wheel engages frictionally, governor elements associated with said body for retarding the rotation of said disc, and means for transmitting the rotation of said body to said threaded rod.

1,630,631. COMPOSITE STEEL BAR. PETER J. PAULY, St. Louis, Mo., assignor to Pauly Jail Building Company, St. Louis, Mo., a Corporation of Missouri. Filed May 16, 1925. Serial No. 30,818. 1 Claim. (Cl. 148—31.)



A composite steel bar comprising an inner core and an outer sheath, said core constituting the bulk of the bar and consisting of mild steel, and the sheath consisting of self hardening non-annealable manganese steel.

1,630,632. WATER GAUGE. MICHAEL PERICH, Pittsburgh, Pa. Filed Nov. 28, 1923. Serial No. 677,400. 1 Claim. (Cl. 73—54.)



A water gauge comprising a case having laterally spaced edge portions, end walls uniting said portions and formed integrally therewith, a glass plate, means for securing the plate to one side of said edge portions to bridge the space between said end walls and the edge portions, means bridging the edge portions and end walls at the opposite side, and laterally extending oppositely disposed flange portions formed integrally with one end of said gauge, the said flange portions serving as a means for attaching the gauge to a pipe flange, and said end walls being perforated to provide a conduit through the gauge.

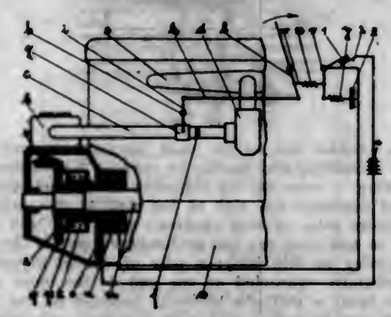
1,630,633. SIGNAL DEVICE. EARL H. PITNEY, Minneapolis, Minn., assignor of one-half to James W. Hamilton, St. Paul, Minn. Filed Apr. 26, 1923. Serial No. 634,742. 3 Claims. (Cl. 177—327.)

2. A signal device, comprising a casing, solenoids mounted therein, a rack-like core reciprocable by the solenoids, signal means pivotally mounted on said casing, means operatively connecting the rack-like core to the signal means, said connecting means having a limited movement independently of said signal means, and means lockingly engaging said signal means when the core is



in a normal condition and having operative engagement with said core to be withdrawn from locking engagement with said signal means upon an actuation of said core.

1,630,634. COUPLING DEVICE FOR BLOWERS OF COMBUSTION MACHINES. FERDINAND PORSCHE, Stuttgart-Unterturkheim, Germany, assignor to Daimler-Motoren-Gesellschaft, Wurttemberg, Germany, a Corporation of Germany. Filed Jan. 14, 1925, Serial No. 2,457, and in Germany Sept. 3, 1923. Renewed May 19, 1926. 7 Claims. (Cl. 123—119.)



1. In an internal combustion engine having a carburetor, an air inlet conduit connected to said carburetor and having an inlet opening therein normally communicating with the atmosphere, a movable valve adapted to control said inlet opening, a blower connected to said air inlet conduit and adapted to force air through it and through said carburetor, said blower being adapted to be connected to a driven member of said engine by means of a clutch embodying two relatively movable clutch members adapted to be moved into operative position and into inoperative position, said clutch members embodying cores capable of being magnetized, spring means adapted to normally separate said clutch members, a coil associated with one of said clutch members, a source of electric current, a switch embodying a switch lever and adapted to connect said coil to said source of current and to disconnect it therefrom, a spring associated with said switch lever and adapted to urge it into a position in which said switch lever is in the inoperative position, a control lever connected to said valve, and a lost-motion connection between said control lever and said switch lever, said lost-motion connection being adapted to urge said switch lever into the operative position when said control lever is actuated, before said valve is moved to close said inlet opening.

1,630,635. METHOD OF IMPROVING THE COLOR OF PULP. FRANCIS G. RAWLING, Knoxville, Tenn. Filed Sept. 1, 1926. Serial No. 133,085. 5 Claims. (Cl. 92—21.)

1. In the pulping of vegetable fibrous material containing organic acids the process of making lighter the color of the pulp after it has been treated with apparatus con-

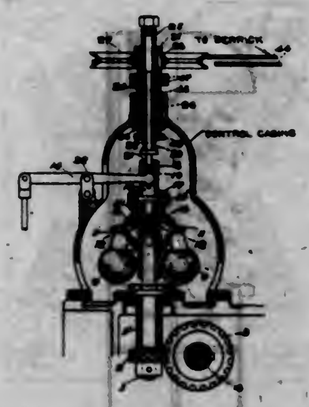
taining parts formed of iron and dark colored iron and acid compounds have been formed, which process comprises adding an oxide of an alkaline earth to the pulp and effecting a reaction between the alkaline material and the acid and the formation of ferric hydroxide with resulting lightening of color.

1,630,636. DEMOUNTABLE RIM. EUGENE REYNOLDS, Albuquerque, N. Mex. Filed Mar. 31, 1924. Serial No. 703,133. 5 Claims. (Cl. 301—35.)



1. A demountable rim comprising a pair of circumferentially divided rim sections, a plurality of levers each pivotally attached at one end to one rim section and having a split in the other end, a grappling link pivoted to each lever for engagement with the other rim section, and locking means cooperating through the splits with the levers to hold them in locked position.

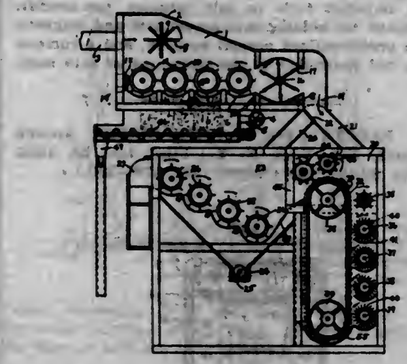
1,630,637. COMBINED AUTOMATIC AND MANUAL CONTROL FOR DRILLING ENGINES. CHARLES H. SHEARSLEY and EDGAR H. CROSSEN, Franklin, Pa. Filed Apr. 7, 1924. Serial No. 704,890. 8 Claims. (Cl. 264—3.)



1. In a drilling engine, the combination of a centrifugally operated motive-fluid controlling device driven by the engine, a support, a control sleeve threaded in said support whereby said sleeve is capable of fine adjustment, abutments on said sleeve forming maximum and minimum adjustment stops, a tubular adjusting screw threaded into said sleeve, a rod having one end in operative engagement with said controlling device and the other end extending into said tubular adjusting screw, a spring reacting between said tubular adjusting screw and said rod, and means operable from a distance for turning said control sleeve.

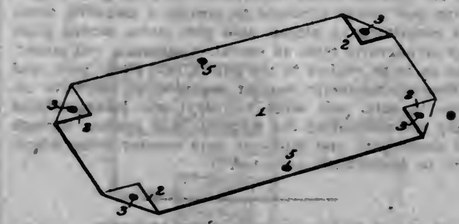
1,630,638. HULL AND COTTON SEPARATOR AND CLEANER. JOHN ARNOLD STRAUN, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex. Filed Sept. 16, 1925. Serial No. 56,614. 7 Claims. (Cl. 19—36.)

1. In a device of the character described, a breaker chamber, means to feed cotton thereto, means to break up said cotton, an agitating chamber below said breaker chamber, a belt having saw teeth thereon, a series of vertically spaced conveyer rolls adjacent said belt where-



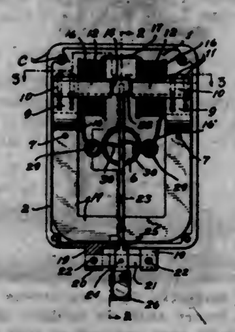
by said cotton may be moved back and forth across said belt, a cleaning chamber, and means to remove the cotton from said belt and discharge it to said cleaning chamber.

1,630,639. DRIP SHEET. THOMAS MILTON TAYLOR, York, Pa., assignor to Keystone Roofing Manufacturing Company, York, Pa., a Corporation of Pennsylvania. Filed July 23, 1924. Serial No. 727,794. 6 Claims. (Cl. 184—106.)



1. A drip sheet adapted to be suspended beneath a motor vehicle or the like in such a manner as to assume a trough-like form, said sheet being made of water or oil proof paper.

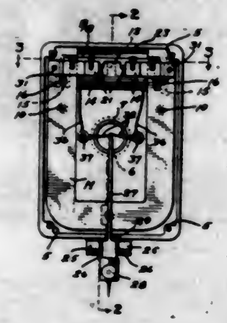
1,630,640. ELECTRIC PHONOGRAPH REPRODUCER. ADOLPH A. THOMAS, New York, N. Y. Filed Dec. 30, 1925. Serial No. 78,279. 20 Claims. (Cl. 179—100.1.)



1. In an electric phonograph reproducer free from an acoustic diaphragm, a vibratory lever adapted to be actuated by the vibrations of a record needle, said lever

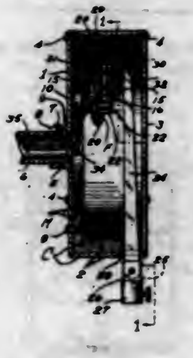
comprising a short arm and a long arm, a permanent magnet having pole pieces, a magnetic member mounted on the free end of said long arm in operative relation to said pole pieces, whereby the needle vibrations are transmitted in amplified ratio to said member, non-acoustic resilient means for holding said needle arm and magnetic member in predetermined normal position, and a current-generating coil controlled by the movement of said member.

1,630,641. ELECTRIC SOUND REPRODUCER. ADOLPH A. THOMAS, New York, N. Y. Filed Jan. 23, 1926. Serial No. 83,191. 20 Claims. (Cl. 179—100.1.)



1. An electric sound reproducer comprising a magnet having pole pieces arranged to provide a magnetic shunt path containing an airgap, said pole pieces having polar faces arranged to form an operative airgap, a coil mounted so as to be subject to the flux in said shunt path, and a vibratory magnetic member mounted in operative relation to said pole faces to vary said last-mentioned airgap for controlling the magnetic flux passing through said shunt path and said coil, said member being adapted to be acoustically actuated.

1,630,642. ELECTRIC SOUND REPRODUCER. ADOLPH A. THOMAS, New York, N. Y. Filed Mar. 10, 1926. Serial No. 93,547. 18 Claims. (Cl. 179—100.1.)



1. In an electric phonograph reproducer, means for establishing a magnetic field, a coreless coil mounted centrally on a rotary shaft to oscillate in said field, a needle arm pivoted near one end so that the needle vibrations are transmitted to the other end in amplified ratio, and an amplifying connection between said other end of the arm and said shaft.

1,630,643. ELECTRIC PHONOGRAPH REPRODUCER. ADOLPH A. THOMAS, New York, N. Y. Filed Jan. 18, 1927. Serial No. 161,947. 10 Claims. (Cl. 179—100.1.)



1. An electric phonograph reproducer comprising a vibratory stylus arm carrying a pair of magnetic members arranged to provide parallel magnetic paths, a magnet having pole pieces so arranged with respect to said magnetic members that vibratory movements of said arm cause simultaneous flux variations in said members, and a coil influenced by said flux variations.

1,630,644. ROTARY ROASTING RANGE. ARTHUR E. TROISEL, Berkeley, Calif., assignor to Montague Range and Furnace Co., San Francisco, Calif., a Corporation of California. Filed Oct. 30, 1923. Serial No. 671,723. 6 Claims. (Cl. 126—41.)

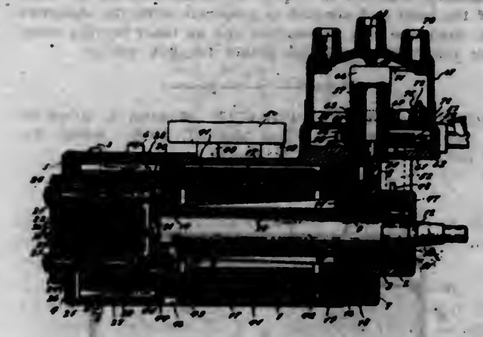


1. In a range of the character described, an elongated horizontally disposed plate, said plate being substantially semi-circular in cross-section and having its concave side open, unobstructed and exposed to the atmosphere, and means for applying a gas flame to the convex side of the plate so that heat may be conducted and radiated to an article to be roasted which is placed in front of the convex side of the plate.

1,630,645. MAGNETO. RICHARD VARLEY, Englewood, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Aug. 14, 1924. Serial No. 731,957. 25 Claims. (Cl. 123—149.)

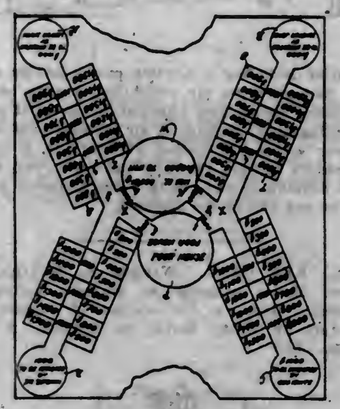
1. A magneto comprising a casing having an elongated bearing extending axially into the casing and rigidly connected to one end thereof, a shaft passing through

and rotatably mounted in the bearing and having a radially extending support on its inner end, a pair of magnet bars secured intermediate of their ends to the radial



support and extending substantially parallel to the shaft, and a stator member having an induced winding thereon disposed in the space between the bars beyond the support.

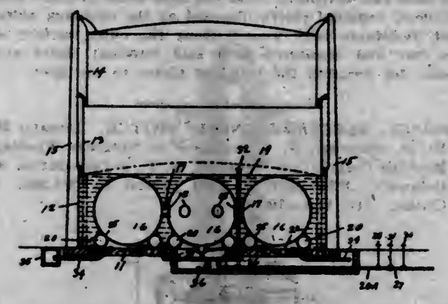
1,630,646. GAME APPARATUS. ELIZABETH H. WATERMAN, Binghamton, N. Y. Filed Oct. 17, 1925. Serial No. 63,011. 3 Claims. (Cl. 275—34)



1. In a game, a board provided at its central portion with a representation of a winning station and a losing station, sets of columns exteading from said stations towards the edge of the board, the representation of a starting station being arranged at the outer end of each set of columns, each column of each set of columns being subdivided into spaces marked with indicia decreasing in value from one end of the column to the other, and representations of gateways placing each set of columns in communication with the winning and losing terminals, the gate-way leading to the losing station bearing indicia of the lowest value, and the gate-way leading to the winning station bearing indicia of the highest value.

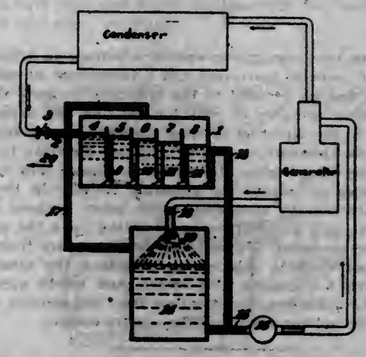
1,630,647. GAS HOLDER. ARTHUR H. T. WILLIAMS, Portland, Oreg. Filed July 12, 1926. Serial No. 121,801. 4 Claims. (Cl. 48—177.)

1. A gas holder having, in combination, a low pressure gas container; a plurality of high pressure spherical gas containers within said low pressure container; means for supplying gas from said high pressure containers to said low pressure container; and means for preventing the accumulation of water under said high pressure con-



tainer consisting of a water-tight connection between the outer portions of said high pressure containers and the floor of said low pressure container.

1,630,648. ABSORPTION REFRIGERATOR. ELIAS WIRTH, Winterthur, Switzerland, assignor to Sulzer Frères Societe Anonyme, Winterthur, Switzerland, a Corporation of Switzerland. Filed Nov. 18, 1924, Serial No. 750,534, and in the Netherlands Dec. 22, 1923. 6 Claims. (Cl. 62—119.)



1. In an absorption refrigerating system including a generator, condenser and absorber an evaporator comprising a plurality of liquid chambers, connecting passages between said chambers, a vapor chamber above said liquid chambers, means for connecting one of said liquid chambers to said condenser, means for connecting another of said liquid chambers to said absorber, and means for connecting said vapor chamber to said absorber.

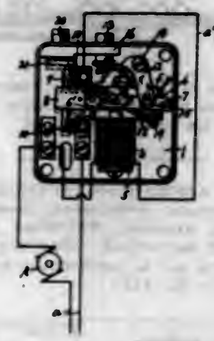
1,630,649. ELECTRIC HEATER. HENRY A. ZIOLA, Toledo, Ohio, assignor to The Swartsbaugh Mfg. Co., Toledo, Ohio, a Corporation. Filed July 21, 1924. Serial No. 727,361. 4 Claims. (Cl. 201—71.)



1. As a new article of manufacture, a heating unit for electric stoves comprising a hollow core of refractory substance having an integral base at one end, and formed

with openings through its wall at approximately the point where the body of the core joins the base, and also formed with a partition integral with the core and with the base and extending from the base some distance into the core, terminal plates disposed at the openings aforesaid, resistance wire wound about the outer surface of the core and connected with said terminal plates and means for securing the terminal plates to the base.

1,630,650. ELECTROMAGNETIC SWITCH. DONALD M. BLISS, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of Delaware. Filed Mar. 11, 1924. Serial No. 698,393. 3 Claims. (Cl. 200—106.)



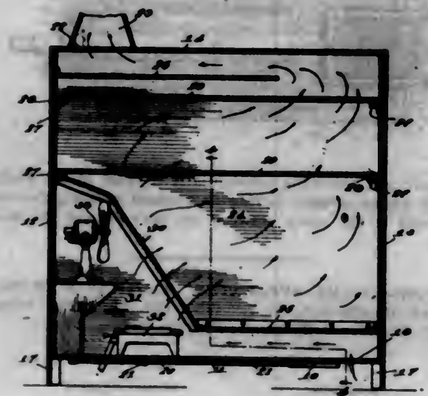
3. In an electro-magnetic switch, a detent, an armature having an endwise movement and a transverse movement, a switch member secured to the armature to move therewith, means operable at will for shifting the armature endwise in one direction to close the switch, a spring for moving the armature transversely in one direction for engaging the detent when the switch is closed, said spring serving also to retract the armature endwise in the opposite direction to open the switch when released from the detent, and an electro-magnet acting upon the armature when energized for releasing said armature from the detent and allowing said spring to return the armature and switch for opening said switch, and means operable at will for releasing the armature from engagement with the detent independently of the electro-magnet.

1,630,651. WHEEL. JEROME BOLICK, Conover, N. C. Filed May 13, 1922. Serial No. 560,645. 1 Claim. (Cl. 301—9.)



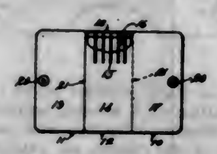
A wheel construction embodying a one-piece hub section, said hub section having radiating openings to receive spokes, said hub section having transversely disposed openings arranged between the first mentioned openings, a disk mounted at one side of the hub section, bolts extending through the transversely disposed openings and having enlargements defining shoulders, said shoulders adapted to engage the disk, nuts on the ends of the bolts and adapted to cooperate with the shoulders to clamp the disk in position, and an inner bearing member removably supported within the hub section.

1,630,652. DRYING APPARATUS. MARTHA E. BUSSLER, New Orleans, La. Filed May 17, 1926. Serial No. 109,697. 3 Claims. (Cl. 34—19.)



1. A drier including a box-like casing having a lower air inlet and an upper air outlet, and having baffles extending partly thereacross adjacent to the inlet and outlet preventing direct passage of air therebetween, a heater and blower within the casing at one side, a series of article hangers between the inlet and outlet, and a reticulate wall defining in the casing a compartment in which said heater and blower are disposed.

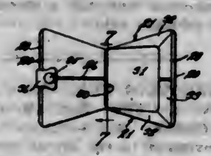
1,630,653. KEY CASE. WARNER R. BUXTON, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a Corporation of Massachusetts. Filed July 24, 1924. Serial No. 728,031. 5 Claims. (Cl. 150—40.)



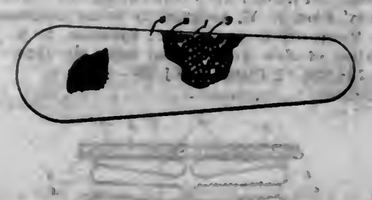
1. In a key case, a case made up of two pieces of flexible material partially overlapped with the corresponding side edges of the overlapping portions of each in substantially coincident relation, said overlapping portions being fastened together along the coincident side edges, and a key support secured to one of said overlapping portions.

1,630,654. FLEXIBLE POCKET RECEPTACLE. WARNER R. BUXTON, Longmeadow, Mass. Filed Sept. 16, 1925. Serial No. 56,771. 9 Claims. (Cl. 150—37.)

1. A pocket receptacle, comprising, a casing made up of flexible material in the form of a flattened down tube, means for closing the ends of the latter, said casing affording a pocket and a winged tray formed as an extension of the mouth of the pocket and adapted to be folded over upon the pocket to close the latter, both walls of said casing being constructed to bend along predetermined lines, which extend one from each corner of the casing inwardly at an acute angle with the adjacent side edge of the casing.

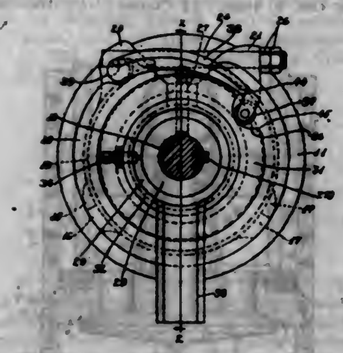


1,630,655. SPRING-PAD CONSTRUCTION. ALBERT B. CLISSON, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 4, 1924. Serial No. 735,639. 3 Claims. (Cl. 68—9.)



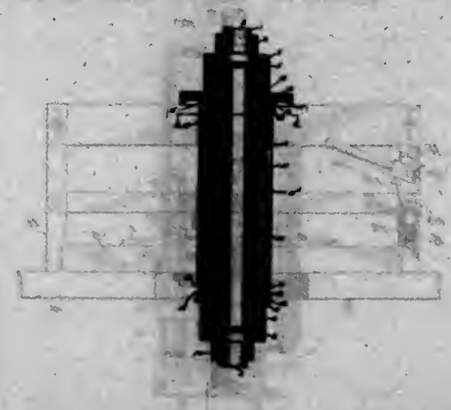
1. A spring pad comprising upper and lower plates and a padding consisting of coiled springs connected by connecting pieces at their upper ends and at their lower ends by connecting pieces forming continuations of the end coils of the springs, the connecting pieces being arranged against the opposing sides of the plates.

1,630,656. FRICTION CLUTCH. ALFRED A. CONWAY, Cincinnati, Ohio. Filed Dec. 31, 1924. Serial No. 759,210. 8 Claims. (Cl. 192—80.)



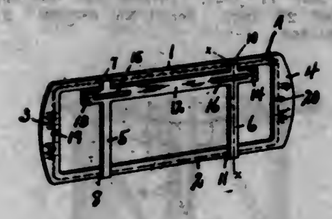
1. A clutch of the class described comprising a split friction band, a friction hub, a lever pivotally mounted on the band, a pair of cams engaged by the lever, and means carried by the cams for actuating the cams relative to one another for positively clamping the band on the hub.

1,630,657. INSULATING SECTION FOR PIPES. MARK V. CROKER, Newton Upper Falls, Mass. Filed Oct. 29, 1924. Serial No. 746,701. 13 Claims. (Cl. 285—14.)



1. An insulating section for pipes comprising a tube of insulating material, a coupling secured to each end of said tube and forming therewith a self-contained liquid conduit, a metal protecting sleeve surrounding and spaced from said tube and insulating material interposed between said tube and sleeve and between the ends of said sleeve and said couplings.

1,630,658. LICENSE-PLATE HOLDER. IRVING J. DAVIS, Syracuse, N. Y. Filed Mar. 4, 1927. Serial No. 172,630. 2 Claims. (Cl. 40—125.)

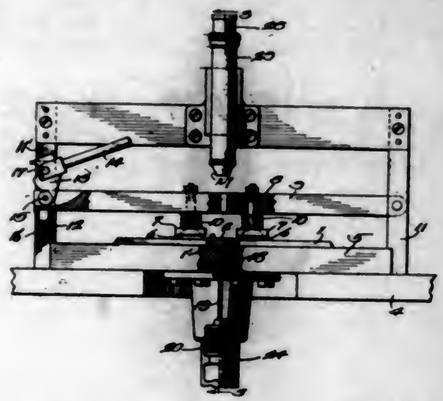


1. A license plate holder for automobiles comprising an integral frame formed of two elongated horizontal bars connected at their ends by vertical bars to form a rectangular frame having an opening adapted to disclose the body portion of a license plate, a pair of vertical bars traversing the opening in the frame near its opposite ends, and integrally connected to and spaced from the frame by comparatively short legs to permit a license plate to be slid between the frame and the vertical bars, and a horizontal bar connecting the vertical bars near their upper ends and projecting to opposite sides of the vertical bars, and formed with a pair of slots, each slot intersecting one of the vertical bars, and means connected to the end bars of the frame for limiting horizontal movement of a license plate.

1,630,659. IMPLEMENT FOR MARKING OBJECTS. HORACE W. HACKER, Chicago, Ill., assignor to Hacker Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 17, 1924. Serial No. 714,023. 4 Claims. (Cl. 33—46.)

1. In a marking implement, the combination of a marking element and a microscopic gauge having a sighting

index, means for supporting said microscopic gauge with its index located in the axis of the marking element,



whereby an object positioned with an index thereon in registration with the index of the gauge will be located with its index in alinement with the marking element.

1,630,660. PROCESS OF MAKING AN ADSORBENT AND THE PRODUCT THEREOF. KIKUNAE IKEDA and HAJIME ISOBE, Tokyo, and TSURUJI OKAZAWA, Kitatoshima-Gori, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Original application filed June 2, 1922, Serial No. 565,431, and in Japan Mar. 17, 1921. Divided and this application filed Dec. 27, 1923. Serial No. 683,069. 2 Claims. (Cl. 25—156.)



2. A process of treating fuller's earth, Florida earth, or other acidic clay for use as an adsorpting agent consisting in first kneading the clay with water then forcing the kneaded clay through a relatively small opening in a receptacle so as to shape the same into a stick-like form having indented surfaces, breaking the portions into pieces of the desired length, and finally baking the pieces to a temperature between 150° C. to 600° C. to increase the rigidity thereof.

1,630,661. PROCESS OF STERILIZING FOOD AND BEVERAGE PRODUCTS. ISAAC JARSON, Cincinnati, Ohio. Filed Sept. 15, 1925. Serial No. 56,547. 4 Claims. (Cl. 99—1.)

1. The process of heating a flavoring syrup to approximately the boiling point, admixing same with milk at substantially room temperature and of such volume that the resultant product attains a temperature intermediate approximately 160 degrees F. and 180 degrees F., admixing with the resultant product a 3% peroxide of hydrogen solution, and permitting the then resultant mixture to cool without further artificial agitation thereof.

1,630,662. METHOD OF MANUFACTURE OF AGGLOMERATED FUEL. LUCIEN LIAIS, Paris, France. Filed Apr. 5, 1926, Serial No. 99,987, and in France Apr. 30, 1925. 7 Claims. (Cl. 44—23.)

1. A fuel substance comprising, in combination, a pulverulent carbonaceous material, a viscous binder, and a sodium salt of carbonic acid.

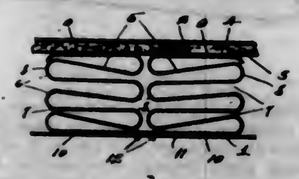
1,630,663. CARROTING FUR. JOHN H. MARTIN, Central Park, N. Y. Filed Dec. 17, 1924. Serial No. 756,553. 6 Claims. (Cl. 8—21.)

1. The improvement in the art of carroting fur which consists in subjecting the fur to the action of a solution of a persalt.

1,630,664. PREPARATION OF FUR FOR SHRINKING AND FELTING. JOHN H. MARTIN, Central Park, N. Y. Filed Mar. 3, 1925. Serial No. 13,005. 2 Claims. (Cl. 8—21.)

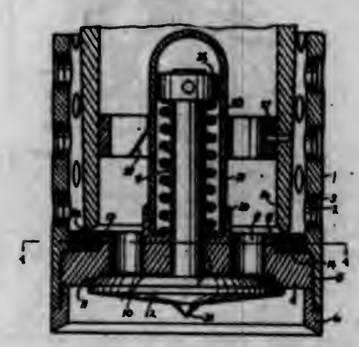
1. The improvement in the art of preparing fur for felting and shrinking, which consists in subjecting the fur to the action of a solution of a compound of an ortho perboate of an alkali metal.

1,630,665. SPRING-PAD CONSTRUCTION. ALFRED D. MAURY, Ilion, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 20, 1924. Serial No. 738,926. 2 Claims. (Cl. 68—9.)



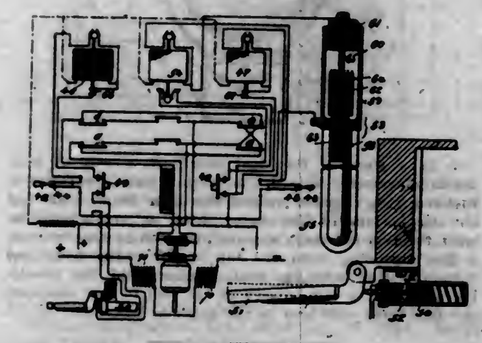
1. A spring for pressing machine pads, comprising a flat strip bent upon itself to form loops, one above the other, the open end of each loop being narrower than the opposite end of each loop.

1,630,666. WASH PLUG. JOSEPH HENRY MCEVOY, Jr., Houston, Tex. Filed Mar. 25, 1926, Serial No. 97,215. Renewed Oct. 5, 1926. 12 Claims. (Cl. 166—20.)



1. In combination with a well strainer perforated to a point closely adjacent the lower end, and having an internally threaded seat at said lower end, the combination of a wash plug comprising a disc of metal threaded to fit said seat, said disc having a central guide opening and fluid opening adjacent thereto, a valve plate closing the lower sides of said openings, a guide on said plate slidable in said guide opening, means to hold said valve resiliently in its seat, and means in the path of the fluid to house said guide for the purpose described.

1,630,667. DOOR OPERATING ENGINE AND SAFETY SYSTEM. GEORGE W. MEYERS, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed May 6, 1922. Serial No. 559,046. 6 Claims. (Cl. 105—341.)



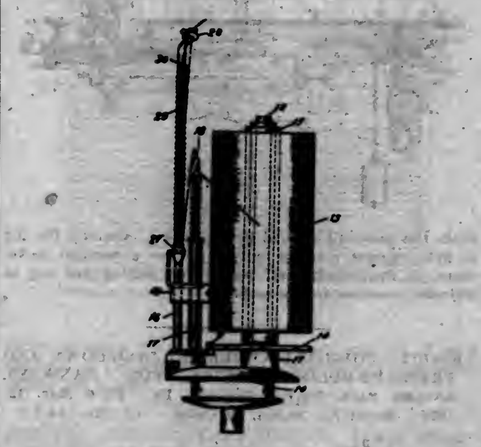
1. In a door engine for operating car doors to permit passengers to enter or leave the car, a prime mover mounted to rotate in either direction, means for initiating rotary motion in said prime mover in either direction, means for reducing said rotary motion and converting the same into rectilinear motion to oscillate within predetermined limits, means for automatically confining said movements within said limits to open and close doors, and means controlled by a passenger in a doorway for preventing said doors from closing.

1,630,668. METHOD OF CONNECTING TWO MEMBERS WHICH ARE NOT ADAPTED TO BE WELDED TOGETHER. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Nov. 1, 1921. Serial No. 512,070. 3 Claims. (Cl. 219—10.)



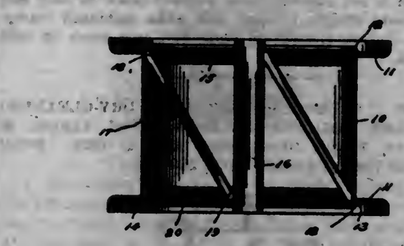
1. An improved method of attaching a member to a plate of electrically conducting material, which consists in forming a hole through the member, enlarging the hole at its inner end positioning the member on the plate, inserting a pin of material weldable to said plate in said hole with its end engaging said plate, passing an electric current through the plate and the pin to weld them together at one end and simultaneously exerting an endwise pressure on the pin to spread its inner end into the enlarged portion of the hole.

1,630,669. CARRIER FOR BRAIDING MACHINES. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1924. Serial No. 759,015. 9 Claims. (Cl. 96—15.)



1. A carrier for braiding machines, having a yarn package spindle, a tension weight, a guide standard therefor, a coil compression spring on said standard acting upon said weight, a vertically-guided feed-control latch having a latch lift arranged to be operated upon by said weight to lift said latch to release the package.

1,630,670. REEL. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Sept. 25, 1925. Serial No. 58,527. 8 Claims. (Cl. 242—123.)

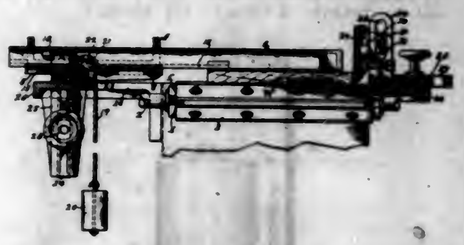


1. A sheet metal reel comprising a tubular body member, a head-plate at each end thereof provided with central annular openings through which the ends of said body project beyond the outer surface of the head plates providing an annular shoulder at each end thereof, and welding metal fused and deposited about said annular shoulder to form a fillet joining the head plates to the body member.

1,630,671. GUARD FOR PLANING MACHINES AND THE LIKE. ANDREW J. RETZ, New York, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,863. 1 Claim. (Cl. 144—251.)

The combination of a work support having a slot, a cutting tool working through the slot, a guard normally extended over the slot, means for effecting a reciprocating movement of the guard, a frame including side plates, crossed webs and curved connecting webs in which the

guard is supported, said frame having sliding connection with the support, a hub carried by the frame, a socket depending from the work support, a leg depending



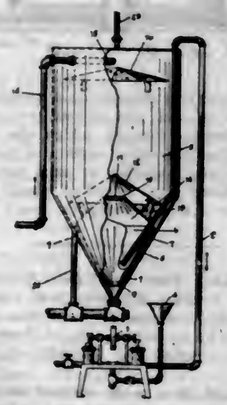
from the hub and splined in the socket, whereby the leg is held against rotation but may have a vertical movement in the socket, and means for locking the leg in adjusted position in the socket.

1,630,672. COMBINED COVER HOLDING-DOWN AND PRESSURE-RELIEF DEVICE FOR MANWAYS. ANDREW SAGE, Farrell Borough, Pa. Filed Mar. 12, 1925. Serial No. 14,994. 1 Claim. (Cl. 220—44.1.)



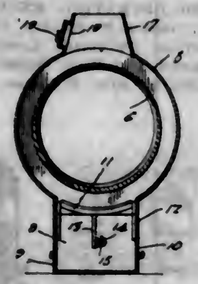
In combination with a manway ring and a cover therefor, one of said elements being provided with a pressure-relief port leading to atmosphere, cover-securing and pressure-relief means comprising a bolt adapted to clamp the cover to the manway, and a closure element embracing the bolt and having a projecting portion to cover the port, and a nut adapted to be screwed down on said bolt against said closure element and when tightened clamping said closure element in place and said cover on said manways.

1,630,673. CAUSTIC TANK FOR DRY-CLEANING SYSTEMS. MAURICE M. SCHWAB and SAMUEL S. SCHWAB, Toledo, Ohio. Filed Aug. 2, 1924. Serial No. 729,704. 5 Claims. (Cl. 210—58.)



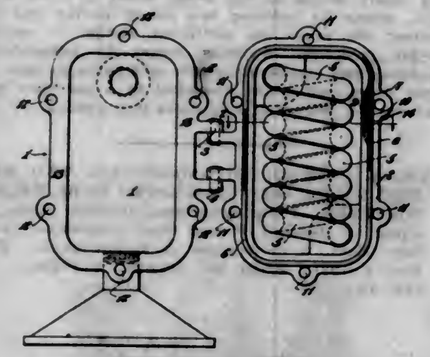
1. In a fabric cleansing system, a caustic treating cleansing liquid container, the container having a drum located in spaced relation with respect to the walls and bottom of the container and near the bottom of the container the drum having relatively small openings at the top and the bottom of the drum and means for directing the cleansing liquid to a point within the drum.

1,630,674. HEATING STOVE. PATRICK SCULLY, Lewiston, Idaho. Filed June 14, 1926. Serial No. 116,054. 2 Claims. (Cl. 126—61.)



1. In a stove of the class described, a pair of horizontally arranged spaced concentric drums, providing a fuel receiving chamber around the inner drum, a fire box on the bottom of the outer drum in communication with the fuel chamber, a grate arranged in the fire box, a flue extending from the top of the outer drum and communicating with the fuel chamber, said flue providing an inlet for the delivery of the fuel to said chamber, the fuel being delivered to the grate by gravity.

1,630,675. JOINT PACKING. PETER S. SINCLAIR, Holyoke, Mass., assignor to Holyoke Heater Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Feb. 24, 1926. Serial No. 90,349. 3 Claims. (Cl. 220—46.)

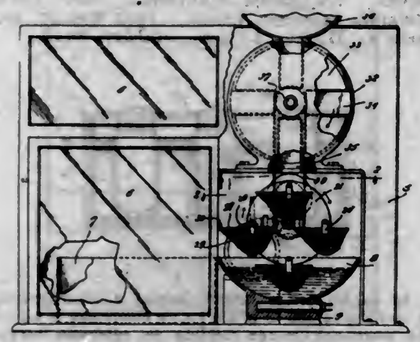


2. A packing construction for water, steam, or air enclosing casings comprising a cover member which is formed with substantially a semi-circular groove, a portion of the groove being of substantially double width, a packing material of a diameter of greater thickness than the groove, the length of the said material being greater than the length of the groove and with only its free ends placed side by side in the part of the groove of double width.

1,630,676. COOKING DEVICE. FREDERICK HOBSON SMITH, Dover, N. H. Filed Jan. 17, 1927. Serial No. 161,587. 6 Claims. (Cl. 53—7.)

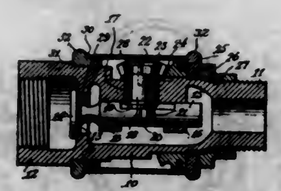
2. In a cooking device of the class described, a trough for a cooking fluid, a rotary plate mounted in position above the trough, a plurality of circularly spaced

material receiving baskets suspended from the face of the plate and adapted to be unitarily moved into the cooking fluid trough, means for normally preventing the swinging of the baskets, said means being operable to



permit the tilting of the basket to facilitate the dumping thereof at a predetermined time, and additional means for locking the plate against rotation while said basket is submerged in the trough for its predetermined length of time.

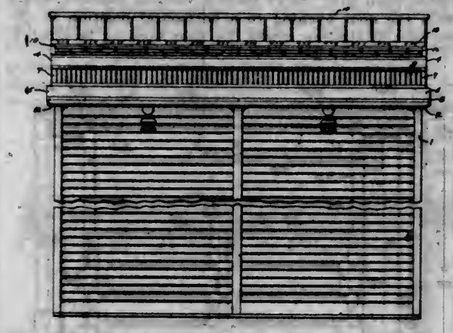
1,630,677. TUBE-CLEANER VALVE. HARRISON L. STALEY, Martinsville, Ind. Filed Oct. 27, 1924. Serial No. 746,092. 6 Claims. (Cl. 121—35.)



6. A throttle-valve for tube-cleaners embodying a tubular casing, a reciprocable valve located therein and adapted to open against the fluid pressure, and means for opening said valve against fluid pressure embodying a tubular bearing extending radially through the casing and having a valve-face at its inner end, a stub-shaft journaled in said tubular bearing and having a valve at its inner end and also an eccentric wrist-pin for actuating the aforesaid valve, a pinion affixed to the outer end of said stub-shaft, a ring-like partial gear surrounding the valve-casing and journaled thereon and in constant mesh with said pinion, an operating sleeve surrounding the valve-casing and enclosing the gears and affixed to said ring-like gear, and means for holding the gears and the sleeve in assembled relation, so that the sleeve will enclose both gears.

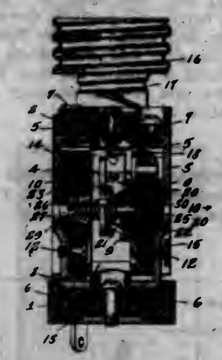
1,630,678. COMPOSING-ROOM CABINET. WILLIAM STEPHENS, Somerville, Mass., assignor to Samuel Stephens and Wickersham Quoin Company, Boston, Mass., a Corporation of Massachusetts. Filed June 5, 1926. Serial No. 113,887. 7 Claims. (Cl. 276—44.)

1. In combination with a type cabinet having one or more tiers of type cases accessible from the cabinet front, a working top for said cabinet comprising a base adapted to seat on the cabinet, a permanently positioned, exposed work-bank, a lead and slug rack, and a spacing material case, said work-bank, rack and case being all positioned for access from the same side of the cabinet and being so mounted on said case that said side is the cabinet



front, whereby the tiers of type cases and all of said elements of the top are readily accessible to a compositor facing the cabinet.

1,630,679. ELECTRIC-LAMP SOCKET. DON N. THOMPSON, Syracuse, N. Y., assignor to Pass & Seymour Inc., Solvay, N. Y., a Corporation of New York. Filed July 23, 1920. Serial No. 398,511. 2 Claims. (Cl. 173—349.)

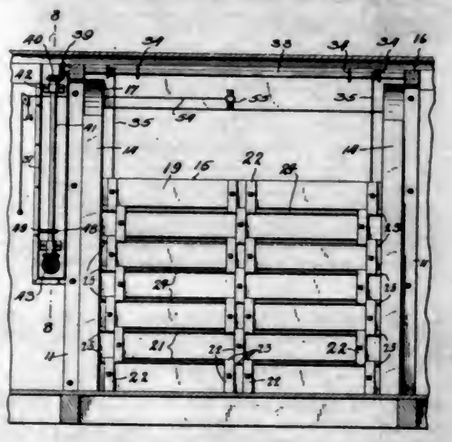


1. An electric lamp socket, comprising a body, including opposing heads of insulation, metal uprights supporting the heads in spaced-apart relation, and being secured at their ends to the heads, blocks of insulation carried by and secured to the uprights and extending lengthwise of such uprights substantially the entire distance between the heads, lamp terminals mounted on one of the heads, one lamp terminal being electrically connected to one of the uprights, a switch contact located on the inner side of said head, and the other lamp terminal being connected to such switch contact, and switch mechanism including a switch contact carried by one of the blocks and electrically connected to the other upright, and a movable switch member carried by th blocks between the same, and coacting with the switch contacts, the uprights being provided with wire terminals.

1,630,680. GRAIN-CAR DOOR. CARL I. TWEDT and MARTIN HAGE, Leonard, N. Dak. Filed Nov. 20, 1924, Serial No. 751,163. Renewed Apr. 12, 1927. 7 Claims. (Cl. 20—32.)

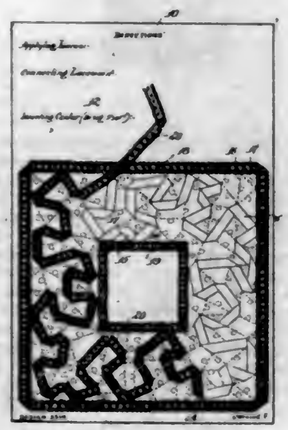
1. The combination with a freight-car having the usual side door opening and shiftable door upon the exterior of the car closing said opening, of vertical tracks located at

opposite sides of the door opening within the car and having a sealing engagement with the sides of the door opening, horizontal tracks connected with said vertical tracks and extending transversely of the car, a door shiftable upon said tracks from a vertical position where it seals the door opening to a horizontal position in the upper part of the car where the door opening is vacated.



means for shifting said door upon the tracks from said vertical to said horizontal position operable from the exterior of the car, and means operable from the exterior of the car for engaging said door while in horizontal position and shifting it toward the door opening a distance sufficient for said door to complete its movement into vertical position by gravity.

1,630,681. PATTERN FOR PRODUCING LACEWORK. JOHANN H. WACHTER, New York, N. Y. Filed Nov. 12, 1924. Serial No. 749,555. 1 Claim. (Cl. 33—12.)



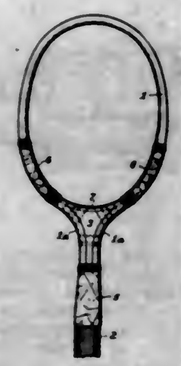
Means for use in producing by handwork the artistic effects of antique and historical laces in making lacework articles consisting of a permanent pattern-sheet to which the material is temporarily applied and having printed thereon in full lines a pattern outlining the ribbons of lace and manner of arranging and folding the same according to the particular design, and dotted lines to indicate the connecting stitches and manner of forming said connecting stitches in producing the complete article.

1,630,682. ICE-CREAM CABINET. JOHN CANNON WATKINS, Vancouver, Canada. Filed May 27, 1926. Serial No. 112,119. 4 Claims. (Cl. 217—30.)



1. In an ice cream cabinet having a cover provided with an opening and in which an ice cream can is adapted to be positioned, means forming an extension between the can top and the opening, said means comprising a band of sheet material forming a cylindrical body with its opposing ends overlapping, and means for expanding the band to engage the can top and the rim of the opening within the cover.

1,630,683. TENNIS RACKET. FRANK SHAVER WILLIAMSON, Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed May 14, 1926. Serial No. 109,135. 1 Claim. (Cl. 273—73.)

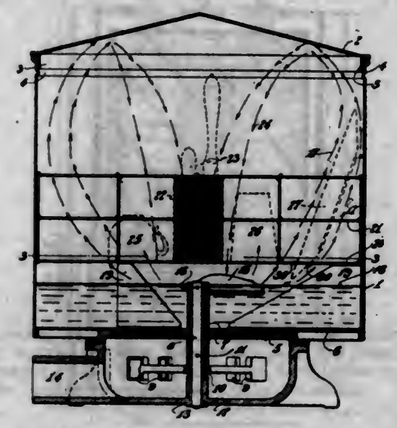


A tennis racket having a joint covered with plastic material in sheet form wrapped thereon with edges overlapping to various degrees along lines running in various directions at an angle to each other, and forming a homogeneous sleeve.

1,630,684. DISHWASHING MACHINE. CHARLES L. WOODWARD, West Springfield, Mass., assignor to United States Machinery Manufacturing Company, Springfield, Mass., a Corporation of Massachusetts. Filed Mar. 10, 1922. Serial No. 542,674. 2 Claims. (Cl. 141—9.)

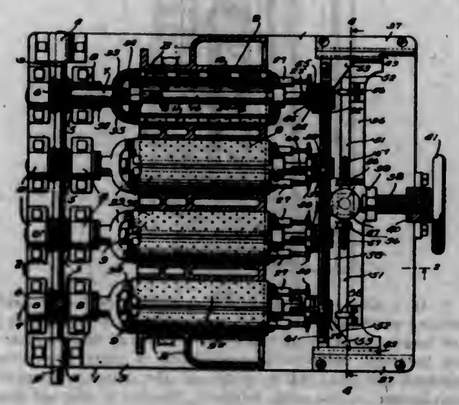
2. In a dish washing machine the combination of a cylindrical casing, a propeller therein, a plurality of trapeziform deflector plates having the base portions thereof attached to the bottom portion of the casing and having the top portions thereof forming supporting surfaces parallel to the bottom of the casing, a framework for holding dishes having a portion of its flat bottom

surface resting upon said supporting surfaces of said deflectors and the inner sides of said deflectors extending downwardly and inwardly towards the centre of the



bottom portion of the casing and defining with the bottom surface of said framework a clear space of inverted cone shape in which said propeller is disposed.

1,630,685. METHOD AND APPARATUS FOR GRINDING SURFACES. JACOB LOWE YOUNG, New York, N. Y. Filed Jan. 14, 1925. Serial No. 2,314. 14 Claims. (Cl. 51—263.)



1. An apparatus for grinding surfaces, comprising a hollow rotatable grinding tool adapted to be filled with grinding paste, means for rotating the tool, and an automatic mechanical means carried by the grinding tool for maintaining a pressure on said paste to positively force it between the grinding face of the tool and the surface to be ground.

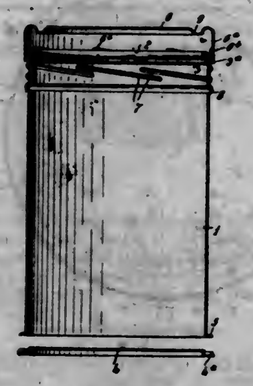
1,630,686. APPARATUS FOR GRINDING GUN BARRELS. JACOB LOWE YOUNG, New York, N. Y. Filed Jan. 14, 1925. Serial No. 2,315. 1 Claim. (Cl. 51—263.)

An apparatus for grinding the bore of a gun barrel comprising a supporting frame including track means; a carriage mounted to travel upon said track means and adapted to support a gun barrel; an elongated, hollow, tapered grinding tool formed with a perforated grinding face, said tool being open at one end and closed at the other end and adapted to be filled with grinding paste; a plunger adapted to be shifted within the open end of the tool to force the paste out through the perforations and provided with an outwardly projecting stem; a tool-rotating shaft mounted upon the supporting frame at one end of the track; a loose driving connection between the closed end of said shaft and the tool; bearing means designed to rotatably and releasably support the



open end of the tool; releasable clamping means to hold the barrel upon the carriage; means to adjust the carriage and barrel longitudinally with relation to the tool; and mechanical pusher means supported by the frame to engage the plunger stem and force the plunger inwardly, the said pusher means, bearing means, clamping means, and tool-driving connection being adapted to permit the barrel, the tool and the plunger to be removed transversely as a unit from the carriage and the supporting frame.

1,630,687. CONTAINER. CHARLES J. AULBACH, Passaic N. J., assignor to Passaic Metal Ware Company, Passaic, N. J., a Corporation of New Jersey. Filed Nov. 15, 1924. Serial No. 750,054. 4 Claims. (Cl. 220—27.)

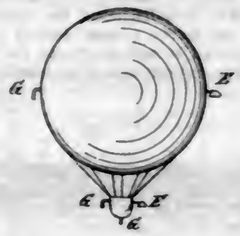


1. A container comprising a body having an inner non-metallic sealing member adjacent to one end, the sealing member having a flange extending along the inner wall of said body, the container having a portion adjacent to its open end curled inwardly and projecting outwardly against the flange, the flange being substantially uncurled, the container portion having its free edge pressing the flange against said wall of the body.

1,630,688. CHROMIUM-PLATED CARBON ARTICLE. FREDERICK M. BECKET, New York, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed Dec. 1, 1924. Serial No. 753,356. 2 Claims. (Cl. 22—174.)

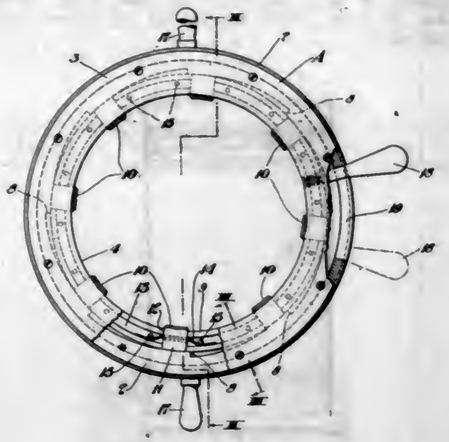
2. A chromium-plated graphite chill.

1,630,689. METHOD FOR ASCERTAINING THE FLYING HEIGHT OF FLYING MACHINES. ALEXANDER BEHM, Kiel, Germany. Filed June 2, 1922, Serial No. 565,502, and in Germany June 11, 1921. 3 Claims. (Cl. 181—0.5.)



3. The combination with an air craft or the like including a body, of a sound transmitter arranged to emit sounds towards the earth, and a receiver arranged to respond to the echo of such sounds, said transmitter and said receiver being acoustically screened from each oher, said receiver being arranged behind said transmitter relative to the direction of sound emission, for the purpose set forth.

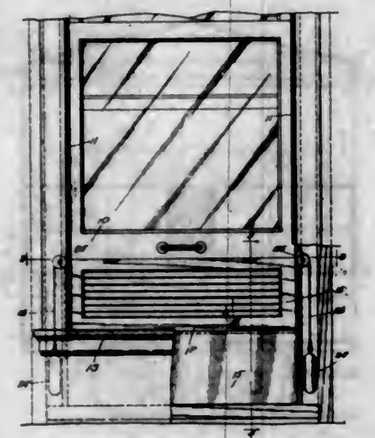
1,630,690. GAUGE. JACOB P. BOSLE, Mount Oliver, and ANDREW TELFER, Pittsburgh, Pa., assignors to National Tube Company, a Corporation of New Jersey. Filed Apr. 16, 1926. Serial No. 102,464. 4 Claims. (Cl. 33—199.)



1. A size ring gauge for gauging pipe and casing ends, comprising a ring-like casing, a segment ring mounted in and revolvably movable relative to said casing, segments mounted in said segment ring and movable diametrically thereof, spring means for normally tending to move said segments outwardly, and cam means in said casing adapted to force said segments inwardly when relative movement is had between said casing and segment ring in one direction and to release said segments for outward movement when relative movement is had between said casing and segment ring in the other direction.

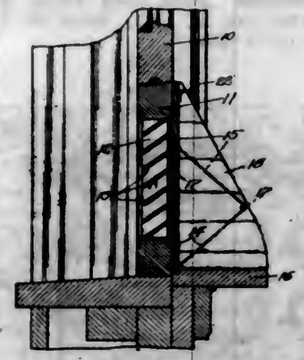
1,630,691. VENTILATOR AND THE LIKE. RALPH L. CROSTHWAITE, Chicago, Ill. Filed July 18, 1925. Serial No. 44,523. 4 Claims. (Cl. 98—88.)

1. In combination with a window having a sliding sash; a ventilator mounted in said window for vertical sliding movement below said sash; and means for detachably securing said ventilator to said sash, said securing means adapted to yieldingly hold the ventilator and



sash in engagement, permit separation thereof under tension, and automatically engage upon the bringing of said sash and ventilator together.

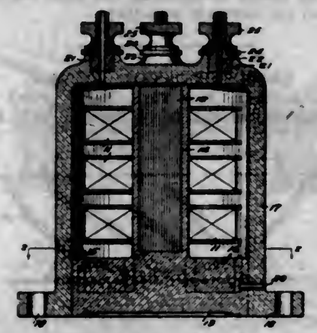
1,630,692. VENTILATOR. RALPH L. CROSTHWAITE, Chicago, Ill. Filed July 18, 1925. Serial No. 44,525. 2 Claims. (Cl. 98—99.)



1. In a window opening; a ventilating device in said opening provided with ventilating openings therethrough; and means for varying the effective area of said ventilating openings, said means comprising, a plate extending substantially the entire width of the window opening and hinged at one edge adjacent the lower edge of the ventilating device, a second plate hinged to the other edge of the first plate, means for raising or lowering the upper edge of said second plate whereby said plates may be moved to a substantially vertical position in the same plane entirely closing the ventilating openings, or collapsed into horizontal positions on the window-sill, means for holding said plates in their intermediate positions, and means for closing the opening at the ends of said plates, said means comprising triangular-shaped plates attached to the window-sill.

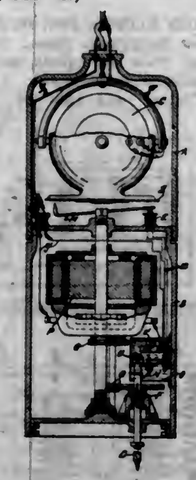
1,630,693. TRANSFORMER. ERNEST G. DANIELSON, San Francisco, Calif., assignor to E. T. Cunningham, San Francisco, Calif. Filed May 27, 1924. Serial No. 716,168. 1 Claim. (Cl. 175—361.)

A transformer having a circular, flanged base of molded insulation material, a hollow tube coaxial with the base and extending therefrom, said tube being formed integrally with the base, a core located within the tube, coils independently supported around the tube, a casing



of molded insulation material, a cylindrical inner surface cooperating with the circular base, and telescoping thereover, means for fastening the base and casing together, and binding posts carried by the casing.

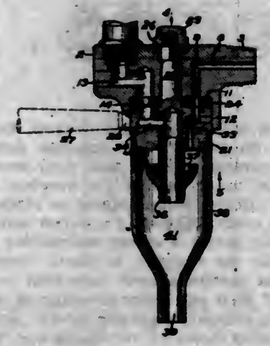
1,630,694. APPARATUS FOR ORIENTING GEOLOGICAL SPECIMENS IN BORE HOLES. ABNER FAISON DIXON, New York, N. Y., assignor of one-third to Thomas C. Bannon and one-third to Donald Upham, New York, N. Y. Filed Sept. 19, 1924. Serial No. 738,602. 5 Claims. (Cl. 234—1.)



1. In apparatus for the purpose set forth the combination of a rock indenting tool, a holder for said tool arranged to be lowered into a bore hole, a compass device connected with said tool holder and rotatable about a vertical axis in relation to said tool holder, an index sheet carrier whose azimuth position is governed by said compass device, and a device for marking an index sheet, said device being carried by said carrier, said sheet marking device being in fixed positional relation to said tool-holder.

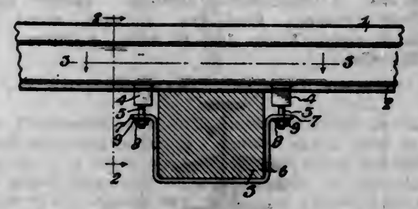
1,630,695. MIXING FAUCET. WILLIAM A. ENGLAND, San Francisco, Calif. Filed Dec. 8, 1924. Serial No. 754,557. 3 Claims. (Cl. 225—26.)

1. A mixing faucet comprising a head having a valve seat and formed with passages opening on said valve seat for fluid to be mixed, a valve mounted to rotate on said valve seat and provided with ports adapted by rotation of the valve to register with said passages, an inner nozzle mounted on said valve and forming an unobstructed continuation of one of said ports, a splash cup on said inner nozzle forming an obstruction to flow from the



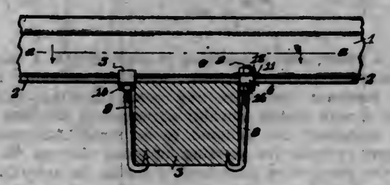
other of said ports, and an outer nozzle mounted in said valve and surrounding said inner nozzle, said outer nozzle being constructed to form substantially a continuation of said inner nozzle.

1,630,696. RAIL-TYING DEVICE. STANLEY W. FINCH, Washington, D. C. Filed Feb. 12, 1927. Serial No. 167,781. 9 Claims. (Cl. 238—314.)



1. In a device of the class described, grab hooks adapted to embrace a rail flange, a tie contacting element, bolt-like members adapted tensionally to connect the grab hooks and the tie contacting element, the upper portion of each bolt-like member protruding through openings in the grab hooks.

1,630,697. RAIL-TYING DEVICE. STANLEY W. FINCH, Washington, D. C. Filed Feb. 12, 1927. Serial No. 167,782. 22 Claims. (Cl. 238—314.)



1. A rail-tying means, including a tie-hook with an upstanding prong, for fastening a rail to a tie.

1,630,698. CONCRETE BUILDING UNIT. TILGHMAN J. FLOREY, Washington, N. J. Filed Aug. 21, 1926. Serial No. 130,655. 5 Claims. (Cl. 72—44.)



1. A building unit comprising a block of material having vertically directed circular openings formed therethrough, the openings tapering from their lower to their upper ends, the upper ends of the openings being surrounded by a circular ledge adapted to extend into the lower end of a similar opening of a second unit, the upper face of the unit having a groove surrounding each ledge and adapted for the reception of plastic material and a pair of straight parallel grooves tangential to the ledge, the grooves of each pair communicating at their inner ends with the associated annular groove and at their outer ends opening through a vertical face of the block at spaced points.

1,630,699. FURNITURE CLEANING AND POLISHING COMPOSITION. CARL E. FROSTMAN, Seattle, Wash. Filed Nov. 28, 1925. Serial No. 72,047. 1 Claim. (Cl. 134—24.)

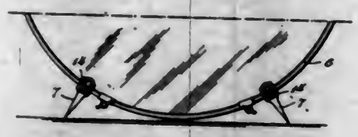
A furniture cleaning and polishing composition consisting of the following ingredients in substantially the following proportions: linseed oil, one-half pint; turpentine, one-half pint; kerosene, one-half pint; vinegar, one-half pint; white of one egg.

1,630,700. LUBRICATING DEVICE. ERNEST GASS, Clichy, France. Filed Dec. 8, 1925, Serial No. 74,185, and in France Dec. 17, 1924. 8 Claims. (Cl. 221—47.4.)



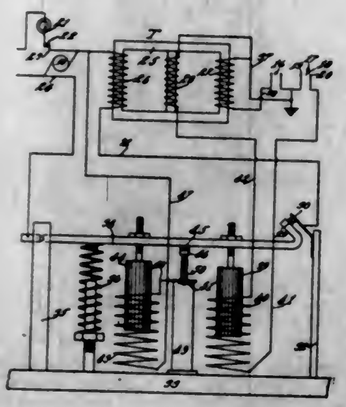
1. A grease gun, comprising in combination, a lubricant container, a pressure cylinder arranged coaxially to the said lubricant container and communicating with the same, a push piston movably arranged in the said lubricant container and adapted to be forced into the said pressure cylinder for pressing lubricant through the same into the place to be lubricated, a spring for returning the said push piston to its normal position after each operative stroke of the same, a differential piston consisting of a tube-shaped stem sliding on the said pressure cylinder and a piston disc adapted to move in the said lubricant container in order to keep the lubricant in the same under pressure, a tube surrounding the said tube shaped stem and being connected at one end to the said lubricant container, operating means for said differential piston and packing means surrounding the push piston at the outer end of the lubricant container.

1,630,701. DRUM-SUPPORTING DEVICE. WILLIAM DAVID GLADSTONE, New York, N. Y. Filed July 22, 1925. Serial No. 45,206. 4 Claims. (Cl. 84—421.)



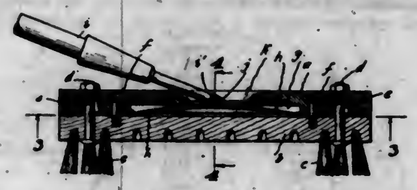
1. In a drum supporting device, a spur capable of attachment to one side of the shell of a drum, an adjustable element carried by said spur and movable transversely thereof, a fastening member carried by the opposite side of said shell, a flexible connection having one end connected to said fastening member, an intermediate portion thereof extending through said adjustable element and its other end capable of attachment to another intermediate portion of the connection, and means on the adjustable element engageable with said spur to move said element relative to the spur to thereby tauten said connection.

1,630,702. IGNITION SYSTEM FOR BURNERS. HARRY C. HUBBELL, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1925. Serial No. 20,249. 9 Claims. (Cl. 158—28.)



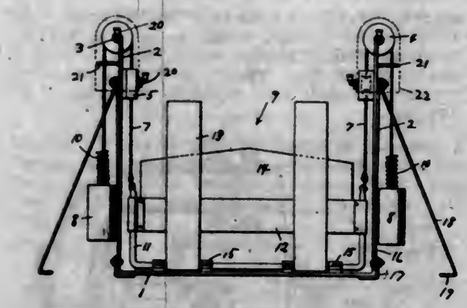
1. In combination, a burner, an ignition device therefor having an active condition for ignition of fuel from the burner and an inactive condition, means to automatically start and stop the burner and to render the ignition device active simultaneously with the starting of the burner, means to render the ignition device inactive independently of the first named means, electrical means to operate the last named means, a source of electrical energy for said electrical means, a control device associated with the burner and including two terminals with an air gap therebetween, and a series circuit including said source, electrical means and terminals, said gap adapted to be heated by the burner flame and when so heated to permit sufficient current to flow in said circuit to operate said electrical means.

1,630,703. BRUSH WITH DETACHABLE HANDLE. WILLIAM R. JAMES, Portland, Oreg. Filed Nov. 4, 1925. Serial No. 66,714. 1 Claim. (Cl. 306—19.)



In a brush of the character described, a body part provided with an elongated interior recess communicating with an elongated narrow slot in the top of said body part, the roof of said recess being provided with a transverse central groove, and a flat spring bearing against the edges of said groove, in combination with a handle, provided with a T-end adapted to be inserted through said elongated slot into said recess, and thence turned at right angles therewith, thereby to seat the lateral portions of said T-end in said transverse groove, the said lateral portions being held in place by said spring.

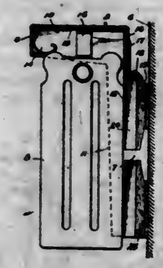
1,630,704. GATE. AUGUSTON D. KAISER, Mountain Home, Tex. Filed July 27, 1926. Serial No. 125,232. 2 Claims. (Cl. 39—5.)



1. In a structure of the class described, a substantially U-shaped supporting frame, supporting means for the frame, a closure, said closure comprising a substantially U-shaped frame, a cross piece connected with the arms of the closure frame, vertical plates connected with the central portions of said closure frame and with said cross piece, and disposed at right angles thereto, said plates being adapted to function as tracks, and bearing brackets attached to the bight portion of the first named frame, the said bight portion of the closure frame being rockably connected with said brackets and yieldable means for maintaining said gate normally in a closed position.

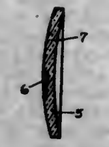
1,630,705. RADIATOR SHIELD. DAVID H. KING, Seattle, Wash., assignor to Pacific Radiator Shield Company, Seattle, Wash. Filed Apr. 3, 1926. Serial No. 99,605. 1 Claim. (Cl. 237—79.)

The combination with a radiator, of a shield comprising a top portion, a dust trap member attached to and disposed below said top portion, side members having flanges deflected at right angles therefrom forming an open space therebetween at the rear of said shield, side pieces secured to said flanges on said side members and having flanges extending inwardly therefrom, a back wall secured to said top portion, a back piece secured to said back wall and extending the full width of said shield, and



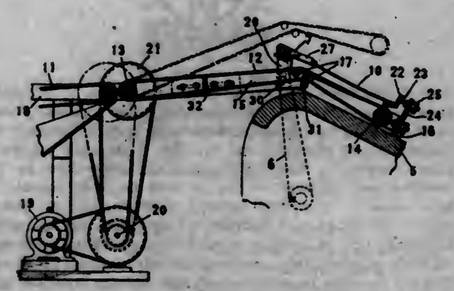
flexible strips carried by said back piece and said last named flanges to form a closure for the top and side portions of said shield.

1,630,706. PROCESS OF PRODUCING MONOCENTRIC FUSED BIFOCAL LENSES. MAX A. LAABS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 22, 1924. Serial No. 733,566. 4 Claims. (Cl. 49—82.1.)



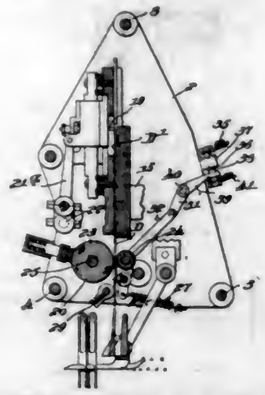
1. The process of producing monaxial fused multifocal lenses consisting in fusing a segment of one index of refraction to a major blank of different index, separating the major blank and segment through the geometrical center of the segment, and then fusing a piece of glass of same index as the major blank to the separated edge.

1,630,707. SHEET FEEDER. SAMUEL LIPSIUS, New York, N. Y. Filed Feb. 19, 1926. Serial No. 89,295. 16 Claims. (Cl. 271—50.)



1. A conveyor frame, a conveyor carried thereby, a paper stop carried by said frame and having a member above said conveyor and a rear-stop member above the conveyor for supporting a sheet until the gripper has released the front end of the sheet.

1,630,708. STOP MECHANISM. SEBASTIANO MAGNANO, Lawrence, Mass., assignor to Magnano Corporation, Lawrence, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1924. Serial No. 705,647. 8 Claims. (Cl. 28—41.)



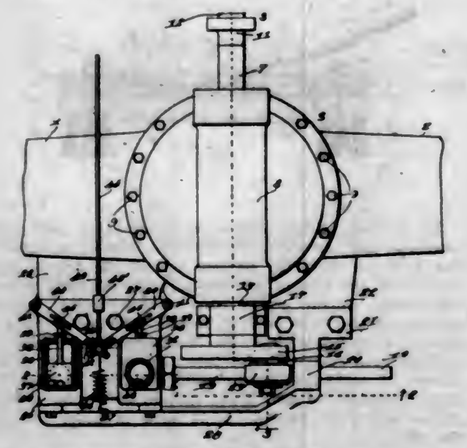
1. In a machine of the class described, feed means for propelling elongate thin sheet material elements, said feed means comprising a pair of cooperating feed members to one at least of which a feed motion is normally imparted, said members being disposed simultaneously to engage opposite surfaces of one of said elongate elements one of said parts being movable bodily toward and from the other, means resiliently urging said members relatively toward each other to produce a gripping feed pressure, said members being separated in the normal operation of the machine solely by the elongate element which is gripped between them, and means responsive to abnormal approach of said parts in the absence of such element from between them to stop the normal feed movement of said parts.

1,630,709. SWITCH. THOMAS C. MAHON, Vancouver, British Columbia, and JOHN ERNEST HARRISON, Victoria, British Columbia, Canada. Filed Apr. 22, 1925. Serial No. 25,025. 3 Claims. (Cl. 200—6.)



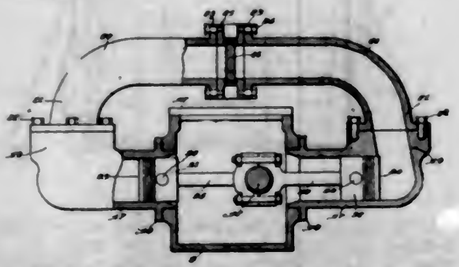
1. A multiple circuit switch comprising a pivotally mounted movable contact, a plurality of stationary contacts adapted to cooperate with said movable contact for controlling a plurality of circuits, a housing enclosing said contacts, a movable locking pin supported by the housing and adapted to engage said movable contact to hold same in a switch opening position out of engagement with all of said stationary contacts, a spring acting automatically on release of said locking pin to shift said movable contact into engagement with one of said stationary contacts to close one of said circuits, said movable contact being manually operable subsequent to the action of said spring to dispose the movable contact in a second position engaging another of said stationary contacts without disengaging said first mentioned stationary contact whereby a second circuit is completed by the movable contact subsequent to completion of the initial circuit and without occasioning disruption thereof.

1,630,710. HYDRAULIC BRAKE. ROY E. MCCLEARY, Seattle, Wash., assignor to McCleary Hydraulic Brake Company, a Corporation of Washington. Filed June 3, 1924. Serial No. 717,521. Renewed Dec. 18, 1926. 11 Claims. (Cl. 188—90.)



1. In combination, a vehicle worm drive having the worm shaft extended through the rear axle housing, a crank member on said extended shaft, and brake mechanism mounted on said housing and operatively connected with said crank member.

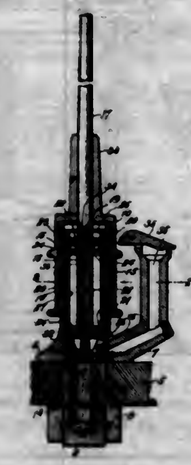
1,630,711. HYDRAULIC-BRAKE MECHANISM. ROY E. MCCLEARY, Seattle, Wash., assignor to McCleary Hydraulic Brake Company, Seattle, Wash., a Corporation of Washington. Filed Nov. 1, 1924, Serial No. 747,879. Renewed Dec. 18, 1926. 14 Claims. (Cl. 188—91.)



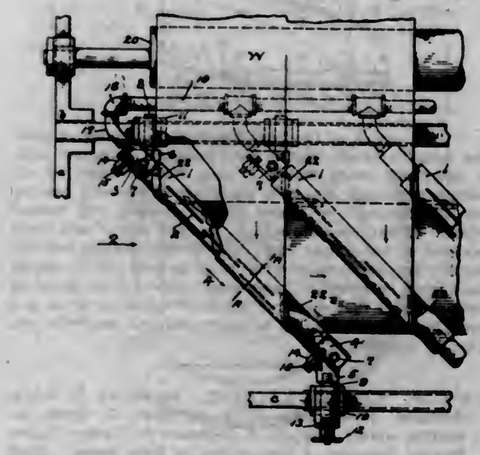
1. In a hydraulic brake mechanism, the combination with a driven member and a pair of pistons operated thereby and extending in opposite directions therefrom, and having outwardly facing pressure ends, of a hydraulic casing comprising cylinder sections housing said pistons and a manifold section forming a continuation of and connecting said cylinder sections to form an oil path, the bore of said manifold and cylinder sections being substantially uniform to eliminate drag, and a controlling valve interposed in said casing and having a full open position equal to the bore of said casing to eliminate drag and heat when the brake mechanism is not in braking operation.

1,630,712. TEXTILE SPINDLE. ARTHUR MEDER, Carlstadt, N. J., assignor to Norma-Hoffman Bearings Corporation, New York, N. Y., a Corporation of New York. Filed June 20, 1919. Serial No. 305,650. 7 Claims. (Cl. 308—169.)

1. In a textile spindle, a support having a lubricant well, a bolster fitted in said support and having an elongated hollow lower portion with open lower end projecting down into the well having the wall of such lower portion spaced a slight distance from the wall of the well to receive a film of lubricant, the well wall and the wall of such lower portion being substantially parallel throughout the space therebetween being of approximately equal width at all times, and a spindle rotatably supported in said lower portion of the bolster and projecting into the lubricant body in the well, said projecting end of the spindle being of conical form with the base directed downwardly so that upon rotation of the spindle the lubricant is forced by capillary attraction and centrifugal force downward into the space between the well wall and the lower portion of the bolster.

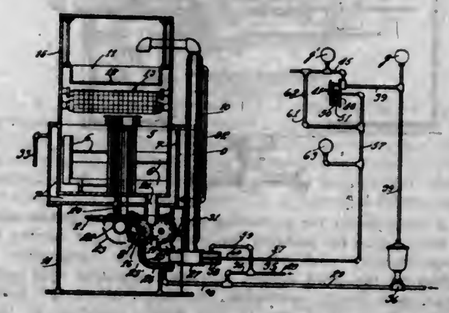


1,630,713. WEB-FEEDING MECHANISM. JOSEPH E. METER, Woodside, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 3, 1925. Serial No. 47,731. 2 Claims. (Cl. 101—420.)



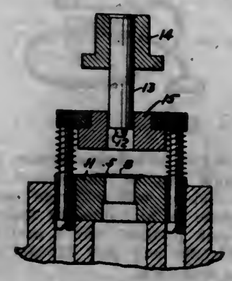
1. In a web feeding mechanism, the combination of a hollow roll or bar over which a web is led, perforations in the bar widthwise thereof and means for supplying air under pressure through the perforations, margin bearers on the bar, brackets in which the bar is mounted, mechanism for moving the brackets for adjusting the bearers relatively to the web, and adjusting mechanism for adjusting the angle of the bar relatively to the web.

1,630,714. CONDITIONING APPARATUS FOR CHOCOLATE AND THE LIKE. WILLIAM A. MOIR, Halifax, Nova Scotia, Canada. Filed June 11, 1925. Serial No. 36,486. 8 Claims. (Cl. 257—4.)



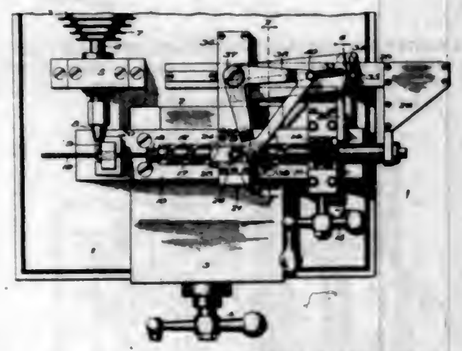
1. The combination with a container of chocolate or the like, of means associated therewith to quickly increase the temperature of the chocolate, means associated with said container to quickly decrease the temperature of the chocolate, means responsive to variations in the viscosity of the chocolate to control the application of said heating and cooling means and arranged to effect the application of the same alternately, so that when the chocolate thickens up the heating medium is applied and when the chocolate becomes thinner the cooling medium is applied to cause a quick reduction in temperature of the chocolate, independently of such reduction as may be effected by the cessation of the application of the heating means.

1,630,715. METHOD OF MAKING BALL-CONE ELEMENTS. BUDD G. NICE, Ogontz, Pa., assignor to Arthur N. Goodfellow, Philadelphia, Pa., trustee. Filed Jan. 18, 1923. Serial No. 613,489. 1 Claim. (Cl. 29—149.5.)



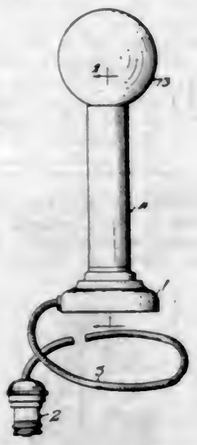
The method of making ball-cone elements in two stages and at one operation from metal blanks of flat ring form which consists in flaring the inner rim parts of the blank laterally out of the plane of the outer rim parts and into flaring tubular and cylindrical form by pressure applied to the portion of the face of the blank which lies between the rim of the hole and the margin of the blank while the outer part of the blank is unconfined, and then flattening the previously unconfined outer rim portion of the blank by continued pressure applied in the same direction while the flaring tubular part is confined.

1,630,716. SPIRAL-FORMING MACHINE. ROBERT C. PIERCE, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Feb. 4, 1922. Serial No. 534,020. 15 Claims. (Cl. 90—20.)



1. In a device for producing spirals, a work holder and a tool, means for rotating the work holder, and moving it longitudinally with respect to the tool, comprising a spiral on the work holder, a tracker engaging with said spiral and means controlled by movement of the work holder for moving the tracker during rotation of the work holder.

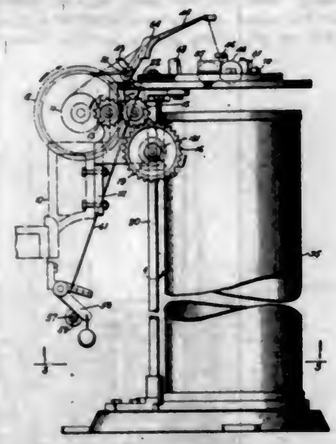
1,630,717. TARGET DEVICE. GENEROSO PISANO, Orange, N. J. Filed Nov. 5, 1925. Serial No. 67,119. 5 Claims. (Cl. 124—15.)



1. A target device including a holder, a lamp and a destructible target member independent of said lamp, adapted to be held by said holder in position to cause said target member to be lighted by the rays from said lamp, and in such position that a projectile may pass through substantially any part of said target member without striking said lamp.

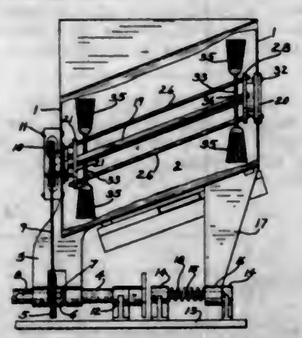
1,630,718. TEXTILE COILING MACHINE. EDWIN O. ROE, New Bedford, Mass., and LEONARD P. FRIEDER, New York, N. Y., assignors to National Spun Silk Co., Inc., New Bedford, Mass., a Corporation of Massachusetts. Original application filed Aug. 1, 1924, Serial No. 729,452. Divided and this application filed Oct. 3, 1925. Serial No. 60,163. 2 Claims. (Cl. 19—159.)

1. In a machine of the class described, the combination of a rotary can, a head for the can rotatable above and on a different axis than the axis of the can and having an opening through the head large enough for material to pass through said opening free from engagement with the edges of the opening, feeding devices operable in close



juxtaposition with said opening, a pivoted guide for conducting the material to said feeding devices, and means for driving the can, the head and the feeding devices.

1,630,719. STREET-CLEANING MACHINE. ALBERT SCHROEDER, Piqua, Ohio. Original application filed Mar. 4, 1924, Serial No. 696,873. Divided and this application filed Apr. 16, 1925. Serial No. 23,488. 2 Claims. (Cl. 15—183.)

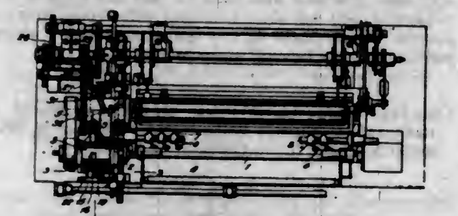


1. In a device of the type described, a housing, a driving member therein formed with a central polygonal hole, a polygonal shaft which at one end projects at an oblique angle into said hole, a member within said housing out of alignment with said driving member and formed with a central hole into which the other end of said shaft projects at an oblique angle, the driving member and the second member formed with holes around their central ones, rods received at an oblique angle by the holes in said members that surround the shaft receiving holes, and brushing means mounted on said rods and shaft for the purpose specified.

1,630,720. WINDING MACHINE. ARCHIBALD D. SCOTT, deceased, Jersey City, N. J., by Mary V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Oct. 31, 1923. Serial No. 671,903. 5 Claims. (Cl. 242—10.)

1. In a winding machine, a winding spindle, means for rotating said spindle, a guide for conducting to the spindle the material to be wound thereon and shiftable in

directions endwise of the spindle to cause the material to be wound thereon in spiral form, means for causing repeated back and forth movements of the guide to form superposed layers of the material, and a geared driving connection comprising only rotatable elements including intermeshing gear wheels between the last named means and the spindle rotating means for effecting their normal



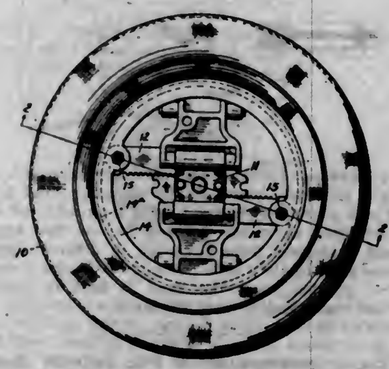
concomitant operation, said connection including therein a rotatable driving member, a rotatable driven member, a one way clutch for normally driving the latter member from the former, and an operating member enabling manual operation of the guide moving means more rapidly than its normal operation with the spindle rotating means whereby the material may, when desired, be laid in a coarser spiral than that laid in its normal operation.

1,630,721. SPONGE RUBBER. WALTER O. SNELLING, Allentown, Pa. Filed Jan. 18, 1926. Serial No. 82,159. 8 Claims. (Cl. 18—53.)



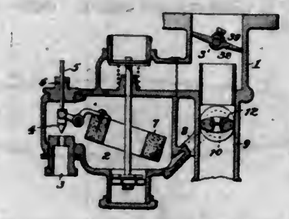
1. The process which comprises cooling rubber latex until at least a part of the water crystallizes, and coagulating the resulting rubber network.

1,630,722. BEAD-PLACING DEVICE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 17, 1925. Serial No. 44,357. 1 Claim. (Cl. 154—9.)



The combination with a collapsible core and chuck, said chuck having apertures therein, of a bead-placing ring, said ring being adapted to be guided into position to set a bead on said core by pins secured thereon and adapted to slide into said apertures.

1,630,723. CARBURETOR. JOHN W. SWAN, Stamford, Conn. Filed Sept. 25, 1919. Serial No. 326,284. 3 Claims. (Cl. 261—62.)



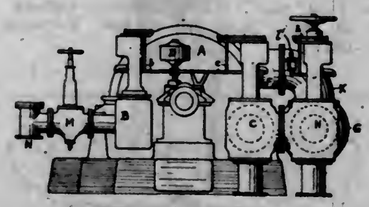
1. A carburetor comprising a casing having an air passage therein, a valve mounted in the air passage, a Venturi tube passing entirely through the valve for the passage of air, said tube being perforated at its restricted portion, and means for feeding fuel through the perforations into the tube whereby it is atomized by the air passing therethrough.

1,630,724. APPARATUS AND PROCESS FOR PRODUCING OPHTHALMIC LENSES. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 30, 1925. Serial No. 19,456. 9 Claims. (Cl. 49—82.1.)



1. The process of producing multifocal lenses comprising finishing a piece of glass to a polished lens surface, heating the glass to plasticity and drawing up a portion of the polished surface to a different curvature by suction applied to the polished surface without the said displaced polished surface coming in contact with anything to shape it.

1,630,725. GOVERNING MEANS FOR TURBINES. CARL R. WALLER, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 562,215. 5 Claims. (Cl. 137—158.)



1. Governing means for turbines having high and low pressure stages, comprising a high pressure steam control, a low pressure steam receiver adapted to receive steam exhausted from the high pressure stage of the turbine and deliver steam to the low pressure stage, low pressure steam control means, and other means actuated by the pressure in the low pressure receiver for controlling the passage of steam from said receiver to the low pressure stage, thereby tending to maintain the pressure in the receiver constant.

1,630,726. LIGHTER-THAN-AIR AIRCRAFT. BARNES NEVILLE WALLIS, Westminster, London, England, assignor to Airship Guarantee Company, Limited, Westminster, England. Filed Dec. 16, 1925, Serial No. 75,884, and in Great Britain Jan. 21, 1925. 2 Claims. (Cl. 244—3.)



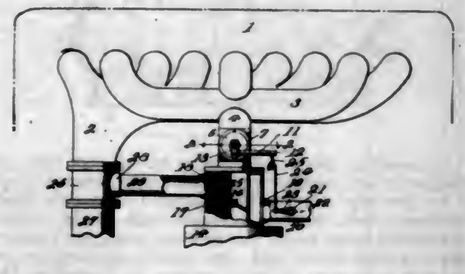
1. A method of maintaining taut the outer cover of an airship which consists in providing a space completely surrounding the gas bags and located between the outer cover and the gas bags, said space being placed in communication with the atmosphere by air admission means situated at the extreme nose of the airship in the region of maximum pressure and zero velocity so that the outer cover is distended by the air pressure at the nose of the ship.

1,630,727. RAILWAY SIGNAL SYSTEM. JOSEPH L. WOODBRIDGE, Philadelphia, Pa. Filed Nov. 3, 1921. Serial No. 512,525. 5 Claims. (Cl. 246—41.)



1. In a railway signal system, the combination of a signal operating circuit, and a track circuit comprising the two opposite rails of a track section having a source of electric current connected across said rails at one point and a relay having its actuating coil connected across said rails at another point and having its contacts connected into the signal operating circuit, and an auxiliary relay provided with an actuating coil connected between two separated points of one of the rails and having its contacts connected in series with the contacts of the first mentioned relay in the signal operating circuit.

1,630,728. THERMOSTATIC HEAT CONTROL FOR INTERNAL-COMBUSTION ENGINES. REA P. WRIGHT, Washington, D. C., assignor to Marvel Carburetor Company, Flint, Mich., a Corporation of Indiana. Filed Nov. 18, 1920. Serial No. 424,909. 3 Claims. (Cl. 123—122.)



1. An internal combustion engine having an exhaust pipe, intake manifold and charge forming devices connected thereto, a heater arranged to heat the charge in its passage to the internal combustion engine in communication with said exhaust pipe, said heater being provided with an outlet pipe, a valve mounted in said outlet pipe, said intake manifold being provided with an opening, a cup shaped casing mounted in said opening, a thermostat mounted within said casing having a stem, a shaft provided with an arm having a connection with said stem, a second arm fixed on said shaft and a link connecting said second arm to said valve controlling the position of said valve by the temperature of the charge passing into the internal combustion engine.

1,630,729. DENTAL COTTON HOLDER. ROBERT J. BERKINSHAW, Niagara Falls, N. Y. Filed Mar. 6, 1924. Serial No. 697,274. 1 Claim. (Cl. 32—5.)



A dental cotton holder, comprising a supporting member, a receptacle for cotton pellets rotatably mounted on said member and including a base section having a conical bottom and provided in its side wall opposite the conical bottom with a series of discharge openings, the latter being wide enough at one end to pass the pellets and constricted at their opposite ends to prevent the discharge of the pellets, a head section disposed above said base section and provided in its top with a filling opening, a substantially cylindrical body section interposed between said top and bottom sections, and a tie-bolt extending axially through said supporting member and said several sections.

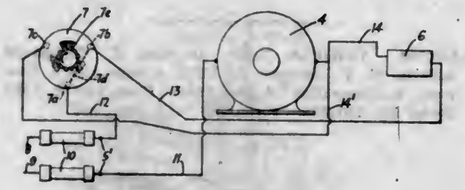
1,630,730. SIGNALING DEVICE. GEORGE H. DAUGHERTY, Berkeley, Calif. Filed May 10, 1926. Serial No. 107,969. 4 Claims. (Cl. 116—35.)



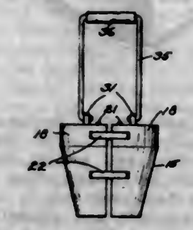
1. A signaling device of the character described, comprising a glove adapted to fit the signaling hand of the driver of a motor vehicle and having a plurality of direction indicating characters marked on one face thereof, the said characters being arranged in different reading positions so as to allow each character to assume a correct readable position when the hand is held to give the signal corresponding to said character.

1,630,731. CONTROL CIRCUIT FOR MOTORS. RANSOM W. DAVENPORT, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 91,853. 7 Claims. (Cl. 236—1.)

1. An electrical circuit comprising a motor, a source of electrical energy for operating said motor, automatically operated means for connecting said motor to and disconnecting it from said source, and a single manually operable control device interposed between said automatic means and said source for connecting and disconnecting said motor either through said automatic means or directly to said source.

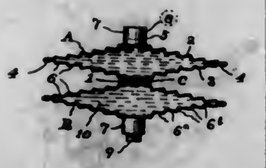


1,630,732. PIPE SLIP. WILLIAM D. DAVIDSON, Los Angeles, Calif., assignor, by mesne assignments, of one-half to Emsco Derrick & Equipment Company, Los Angeles, Calif., a Corporation of California, and one-half to Titusville Forge Company, Titusville, Pa., a Corporation of Maryland. Filed Mar. 29, 1924. Serial No. 702,804. 2 Claims. (Cl. 24—263.)



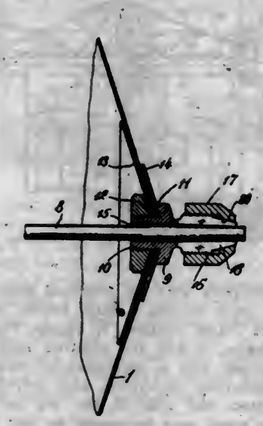
2. A casing slip of the character described, comprising a plurality of sectors having upper and lower recesses in their opposing lateral faces, upright pivot rods carried by said sectors and intersecting said recesses, and links disposed between adjoining sectors and having their ends engaging the companion recesses and pivot rods thereof.

1,630,733. THERMOSTAT DIAPHRAGM. PETER F. DODUNSKI, Solon, Ohio. Filed Aug. 29, 1925. Serial No. 53,234. 2 Claims. (Cl. 297—9.)



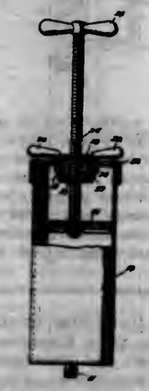
1. A thermostat including a pair of circular diaphragm plates having spaced central seats and converging toward their peripheries where they are connected to form a closed chamber, each of the diaphragm plates being formed with concentric annular corrugations having flat sides arranged in an angular relation to provide sharp ridges and angular valleys, one side of each of the corrugations being longer than the other side and the short side being arranged at an angle to the direction of movement of the plate.

1,630,734. LOUD SPEAKER. CLAIR L. FARRAND, Forest Hills, N. Y., and ERNEST ROSS, East Orange, N. J.; said Ross assignor to Farrand Mfg. Co. Inc., Long Island City, N. Y., a Corporation of New Jersey. Filed Nov. 5, 1926. Serial No. 146,350. 4 Claims. (Cl. 181—31.)



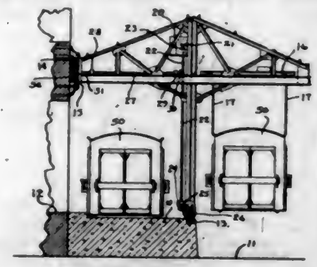
1. A loud speaker comprising a diaphragm, actuating mechanism therefor including a driving rod, and connecting means between the driving rod and the diaphragm comprising a clutch member secured to the diaphragm having resilient jaws, and a collet cooperating with the clutch member adapted, when actuated, to force the resilient jaws of the clutch member into engagement with the driving rod.

1,630,735. HIGH-PRESSURE LUBRICATOR. ROBERT M. FERRELL, Irvine, Calif. Filed Mar. 3, 1926. Serial No. 92,039. 2 Claims. (Cl. 74—40.)



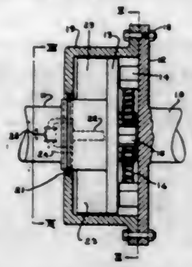
1. The combination with a threaded plunger rod, of a socket having a relatively coarse threaded bore, and a sectional nut engaged about the rod and in the socket, the sections of the nut being hinged together at one side and provided at the opposite side on their meeting faces intermediate their ends with an interengaging tapered lug and notch whereby the sections will be caused to register as they are closed about the rod.

1,630,736. FREIGHT-HANDLING APPARATUS. BENJAMIN F. FITCH, Greenwich, Conn. Filed Sept. 27, 1924, Serial No. 740,102. Renewed Apr. 25, 1927. 9 Claims. (Cl. 105—147.)



1. The combination with an overhead guide of a one-legged gantry crane having a main frame, two opposed wheels on said frame adapted to engage the guide for moving the frame, means for rotating said wheels in opposite directions, and a supplemental frame provided with load supporting mechanism and traveling on the main frame from one side of the leg to the other, whereby either wheel may be caused to bear against the guide to the exclusion of the other wheel.

1,630,737. COUPLING. WARREN B. FLANDERS, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 18, 1924. Serial No. 726,779. 1 Claim. (Cl. 64—96.)



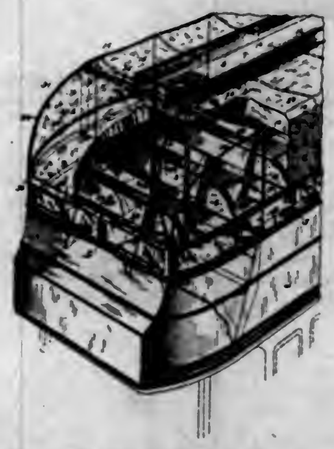
In a coupling, the combination of a driving member, a driven member, resilient power-transmitting means interposed between the driving and driven members, a casing containing fluid, damping vanes associated respectively with the driving and driven members and disposed within the casing, means communicating with the casing for by-passing fluid around the damping vanes, and means provided in said communicating means for regulating the quantity of flow.

1,630,738. RETORT UNIT FOR STOKERS. ROBERT A. FORESMAN and OTTO ARAM, Essington, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1921. Serial No. 460,796. 9 Claims. (Cl. 110—44.)



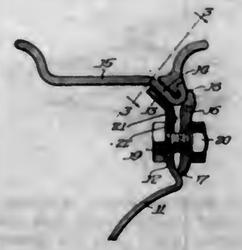
4. A unit construction for stokers comprising a fuel feeding mechanism, an inclined fuel retort, a member supporting the lower end of the retort, the length of the member being approximately equal to the width of the retort, symmetrical elements secured one adjacent each end of said member, the combined length of the supporting member and adjacent symmetrical elements being equal to the width of the unit.

1,630,739. VEHICLE TOP. MICHAEL J. FORRESTER, Astoria, N. Y., assignor to Fifth Avenue Coach Company, a Corporation of New York. Filed Apr. 8, 1924. Serial No. 704,925. 7 Claims. (Cl. 296—107.)



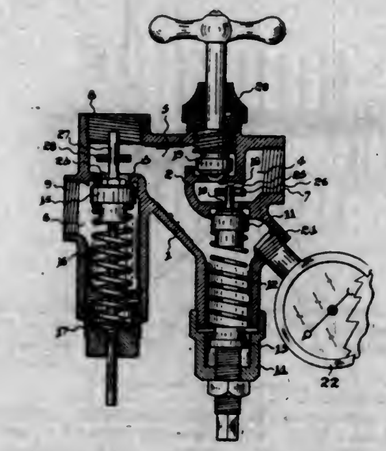
1. In combination with a vehicle having a row of seats extending longitudinally thereof, a top for said vehicle comprising a longitudinal roof member and a series of up-and-down swingable curtain-supporting members pivoted side by side at their lower ends to the side of the vehicle on fore-and-aft axes, and adapted when swung upwardly to be engaged at their upper ends with, and be supported by, said roof member so as to extend in operative position over the seats and thereby form supports for a foldable curtain, said members being swingable downwardly and inwardly transversely of the vehicle to inoperative positions, out of the way between the seats, when the curtain is to be folded.

1,630,740. DISK WHEEL. GEORGE H. FORSYTH, Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Jan. 29, 1923. Serial No. 615,493. 5 Claims. (Cl. 301—18.)



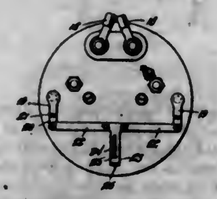
1. A disk wheel having a peripheral portion adapted for bearing contact upon a correspondingly disposed portion of a tire-carrying rim under the influence of spaced clamping means, one of the bearing portions having an undulate contour as viewed circumferentially in the wheel plane.

1,630,741. CONTROL MECHANISM FOR WATER-HEATING SYSTEMS. WILLIAM J. GRIFFITHS, Toronto, Ontario, Canada. Filed Dec. 6, 1926, Serial No. 152,988, and in Canada Aug. 4, 1926. 3 Claims. (Cl. 277—54.)



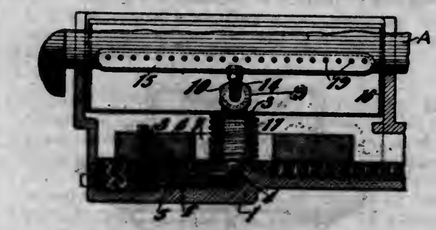
1. In a control device for water heating systems, a hollow body member having its interior divided by two partitions to form three compartments, said body having a water inlet communicating with one compartment; an opening communicating with the second compartment and adapted to be connected with the water heating system and an exhaust opening communicating with the third compartment, the partition between the first and second compartments having two passages formed therethrough; a valve adapted to close one of said passages; resilient means normally tending to hold said valve in seated position; means for varying the resistance of said resilient means; a manually operable valve controlling the other passage, the partition between the second and third compartments having a passage therethrough; a valve adapted to close said last mentioned passage; resilient means normally tending to hold said valve in seated position; means for varying the resistance of said resilient means; and means extending outside the body for unseating the last mentioned valve without disturbing the adjustment of the resilient means.

1,630,742. SOUND REPRODUCER. WILLIAM C. GRUNOW, Chicago, Ill., assignor of one-half to Bertram J. Grigsby, Chicago, Ill. Filed Mar. 10, 1925. Serial No. 14,527. 3 Claims. (Cl. 179—114.)



1. Sound reproducing means comprising in combination a casing, a diaphragm, electrical means for vibrating said diaphragm, and means for varying the air pressure against said diaphragm, said means including openings in said casing and pivotally mounted shutter members serving as adjustable closures for said openings, links extending from the ends of said shutter members, and an operating element pivotally connected to said links for common control of said shutters at a remote point from said openings.

1,630,743. LUBRICATOR. JAMES J. HENNESSY, New York, N. Y. Filed July 27, 1922. Serial No. 578,019. 8 Claims. (Cl. 308—84.)



1. In a lubricator for railway journal boxes, a lubricant reservoir, a pump including a vertical discharge passage having a circular opening in its side, a hollow ball in said passage seated against the periphery of said opening and provided with an inlet for lubricant in said passage, an L-shaped pipe leading outwardly and upwardly from said ball, a trough extending longitudinally of a journal to be lubricated and connected to said pipe and carried thereby in a position vertically disaligned with said passage with its edges adapted to contact with the journal, and a spring support for said trough.

1,630,744. DISPLAY DEVICE. JOSEPH P. HOHMANN, Flemington, N. J. Filed Apr. 15, 1925. Serial No. 23,253. 4 Claims. (Cl. 240—49.)

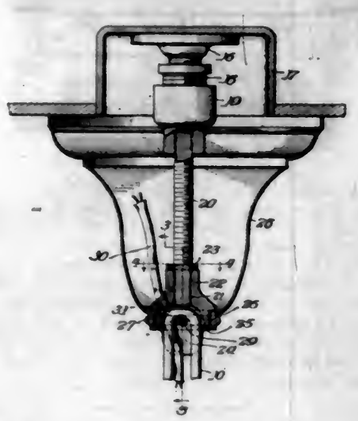


1. A display device in the form of a toy lighthouse comprising, a tower including a tubular body, a ventilated conical top and a bottom secured to said body, a circular series of continuous windows in the upper end of the body, a source of light located within the body below said series of windows, and a horizontally disposed shutter suspended from said top within the body and rotated by the ascending column of heated air generated by said source of light, said shutter being provided with a depending outwardly flared peripheral flange having an opening in the horizontal plane of the circular series of windows to disclose a revolving ray of light therethrough.

1,630,745. SUSPENDING DEVICE FOR LIGHTING FIXTURES. PAUL M. HOTCHKIN, Chicago, Ill. Filed Aug. 29, 1921. Serial No. 496,218. 8 Claims. (Cl. 240—85.)

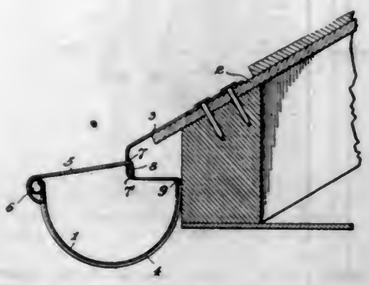
1. In a canopy construction for lighting fixtures, the combination with a suspensory device, of a chain support connected thereto, said support being provided at its lower

end with a downwardly opening slot for receiving the suspending chain of the fixture, said support also being provided with diagonally disposed passages therethrough for receiving the current leads of the fixture and to permit



their threading through the support while the suspending chain is engaged therewith, one of said passages being arranged at each side of said slot and having its lower end in communication therewith and its upper end opening at the exterior of said support.

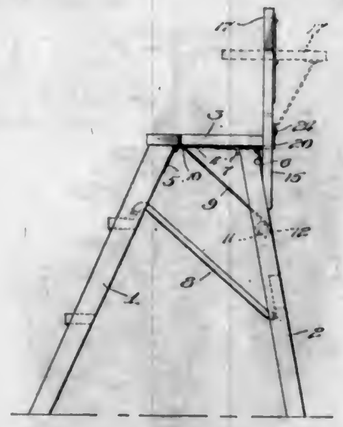
1,630,746. EAVES-TROUGH HANGER. CLARENCE G. INMAN, Chicago, Ill. Filed June 13, 1923. Serial No. 645,122. 3 Claims. (Cl. 108—29.)



2. The combination with a trough or gutter of a one-piece hanger cooperating therewith, said hanger consisting of an attaching and intermediate portions and a supporting portion extending around the trough with a locking tongue punched therefrom and integral therewith extending over the top of the trough and engaging an opening in said intermediate portion of the hanger, substantially as set forth.

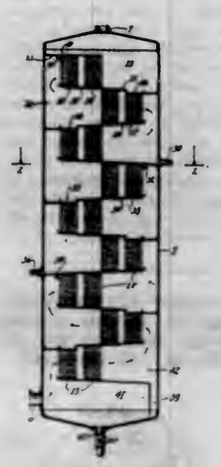
1,630,747. COMBINATION STEPLADDER AND CHAIR. AUGUST I. JOHNSON, Chicago, Ill. Filed Sept. 13, 1926. Serial No. 135,036. 3 Claims. (Cl. 228—2.)

1. A step ladder having a member projecting above the top along one edge of the latter, said member having a movable part adapted to be swung between an upright position and a horizontal position, a rod bent into a V and hinged at the apex to said movable part near a free end of the latter, and sockets on the ladder in position



to receive the ends of said rod when said movable part is in its horizontal position and lock said part in that position.

1,630,748. FLUID SEPARATOR. GEORGE M. KIRKPATRICK, Pittsburgh, Pa. Filed May 23, 1924. Serial No. 715,366. 5 Claims. (Cl. 196—139.)

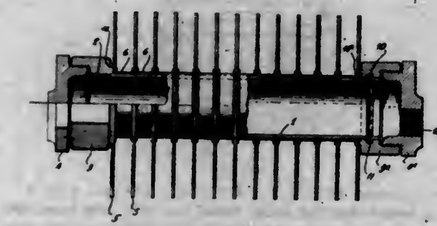


1. A fluid separator comprising a casing having an inlet and an outlet, a plurality of banks of baffles in said casing between said inlet and outlet, said banks being arranged in pairs, means for passing a liquid through one only of the banks of each pair, and means for passing a gas through each of said banks successively.

1,630,749. RADIATOR. RAGNAR L. KJERNER, Crestwood, N. Y. Filed Dec. 31, 1926. Serial No. 158,142. 5 Claims. (Cl. 257—262.)

1. In a radiator, a tube provided at its opposite ends with fixed abutments, a plurality of disks or fins embracing the tube between the abutments and spacers

interposed between consecutive disks to space them from one another, said spacers embodying cylindrical portions embracing the tube and substantially outwardly extending resilient radial flanges bearing against the con-



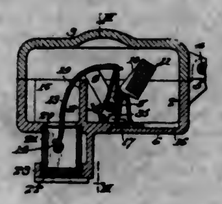
tiguous disks with the flanges under compression, whereby said resilient flanges will grip and hold the disks firmly in position irrespective of expansion and contraction of the parts.

1,630,750. INTERNAL-COMBUSTION-ENGINE VALVE. PHILIP KRASNO, Milwaukee, Wis. Filed June 15, 1925. Serial No. 37,229. 2 Claims. (Cl. 123—188.)



1. A valve for an internal combustion engine, said valve comprising a stem, a disk formed integrally with said stem and having an inwardly directed peripheral flange, said flange having converging inner and outer walls and terminating in a relatively restricted surface, said restricted surface being rounded, whereby it may seat upon a flat surface without cutting.

1,630,751. LIQUID-FEEDING DEVICE. GEORGE W. LEIMAN, Newark, N. J., assignor to Leiman Bros., a Copartnership consisting of William H. Leiman, George W. Leiman, Gustave A. Leiman, Edward C. Leiman, and John Leiman, Newark, N. J. Filed Aug. 27, 1926. Serial No. 131,929. 11 Claims. (Cl. 184—64.)

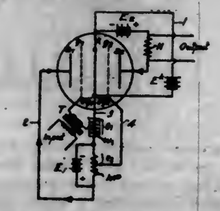


1. A liquid feeding device comprising, a reservoir, a member coacting with the liquid in said reservoir to control the movement of the liquid therefrom, a fluid actuated device for oscillating the member in one direction, and a gravity operated means controlled by said device for rocking the member in the other direction.

1,630,752. CELLULOSE COMPOSITION. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Apr. 25, 1922. Serial No. 556,533. 4 Claims. (Cl. 106—37.)

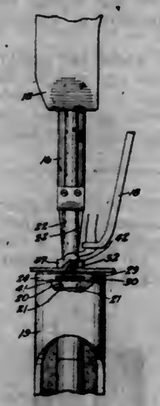
1. A composition containing a cellulose ester and an aromatic phosphate and in close association therewith hexachlorethane.

1,630,753. AMPLIFIER. JOSEPH MASSOLLE, Berlin-Grunewald, HANS VOGT, Berlin-Wilmersdorf, and JOSEF ENGL, Berlin-Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921, Serial No. 458,628, and in Germany Dec. 2, 1919. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.) 8 Claims. (Cl. 179—171.)



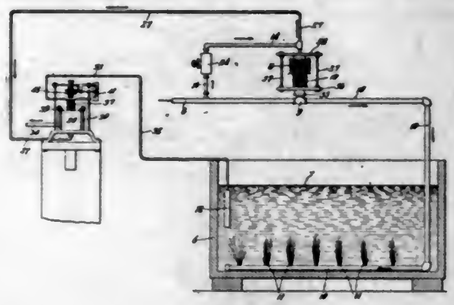
1. A multiple-stage amplifier, comprising a single evacuated container, a single integral undivided heated cathode, common, as a whole, to the several stages of amplification, and a plurality of anodes and grids in said container, spaced away from the cathode and from each other, and all arranged outside the entire cathode, connections for impressing an input potential difference across the cathode and first grid, external circuits connecting each anode with the cathode, and means for coupling the anode-cathode external circuit of each stage except the last with the cathode and grid of the next stage.

1,630,754. METHOD AND APPARATUS FOR EMBOSSING FLEXIBLE MATERIAL. PETER C. McNULTY, Milwaukee, Wis. Filed Dec. 7, 1925. Serial No. 73,917. 7 Claims. (Cl. 112—136.)



7. In a sewing machine for forming an imitation moccasin seam, the combination of a pair of needles, a guide plate having a pair of parallel slots through which said needles work and having a supporting portion between said slots for supporting a tape, a fixed die associated with said plate, a tape guide through which a tape may be passed beneath said die, and a presser foot having a grooved lower face cooperating with said die to press the work between said die and said foot whereby the work is upwardly arched and the tape is stitched to the under side of the work on opposite sides of the upwardly arched portion.

1,630,755. TEMPERATURE-CONTROL SYSTEM. HERBERT MILKER, Queens, N. Y., assignor to American Schaeffer & Budenberg Corporation, a Corporation of New York. Filed May 6, 1924. Serial No. 711,351. 16 Claims. (Cl. 236—80.)



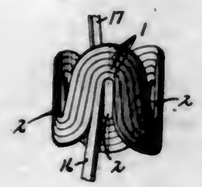
1. In a temperature control system the combination with a part to be heated and means for supplying a heating fluid thereto, of means for regulating the supply of the heating fluid comprising a valve operated by the pressure of the heating fluid including differential pressure operated members both supplied with fluid pressure from the same side of said valve and working against atmospheric pressure.

1,630,756. EGG PRODUCT AND METHOD OF MAKING SAME. CLINTON H. PARSONS, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1924. Serial No. 748,527. 11 Claims. (Cl. 99—14.)

7. The method of producing a homogeneous frozen egg product which comprises subjecting the eggs to a grinding operation, whereby the non-liquid parts of the eggs such as the germs, strings, and interior membranes are finely divided and effectively admixed with the other constituents of the eggs to form a substantially homogeneous liquid egg product, and rapidly freezing the homogeneous liquid egg product to produce a homogeneous frozen egg product.

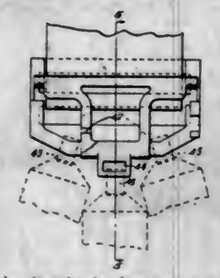
10. A homogeneous frozen egg product containing the non-liquid parts of the egg such as the germs, strings and interior membranes in finely divided condition, and effectively admixed with the other constituents of the eggs, said product being capable of being thawed without liquid separation.

1,630,757. FIELD WINDING. LAURENCE M. PERKINS, Syracuse, N. Y., assignor of one-half to Owen-Dyneto Corporation, Syracuse, N. Y., a Corporation of New York. Filed Apr. 13, 1922. Serial No. 552,311. 3 Claims. (Cl. 171—206.)



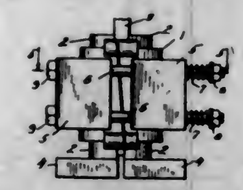
1. A field winding for a multi-polar machine substantially circular in lateral cross section and consisting of a series of longitudinally arranged sinuous U-shaped pole-receiving layers of conductor each transversely curved and arranged substantially parallel to the operative axis of the machine, alternate U-shaped layers opening in opposite directions.

1,630,758. BUCKLE. HATTIE MAY PFALTZGRAFF, Lakewood, Ohio. Filed Aug. 5, 1924. Serial No. 730,145. 6 Claims. (Cl. 24—191.)



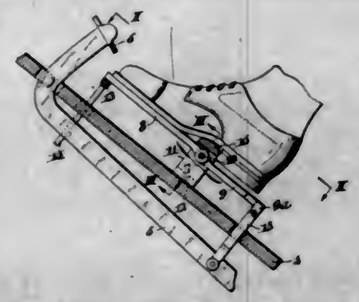
1. A buckle having back, front and side portions, the front and back portions being rigid relative to the side portions to form a frame closed at the corners on the front, sides and rear but open at the top and bottom, the back portion being provided with an opening extending thereacross, a clasp member mounted in place opposite the back portion, spaced therefrom and intermediate the upper and lower extremities of the front portion and in position to have its tongue opposite the opening to force the strap into engagement with the opposite edges of the opening when the clasp member is placed in operative position and means for holding the clasp in operative position.

1,630,759. BREAKING DEVICE FOR HOLLOW CYLINDERS. WINSLOW S. PIERCE, Jr., Bayville, N. Y. Filed Apr. 23, 1926. Serial No. 104,110. 21 Claims. (Cl. 29—66.)



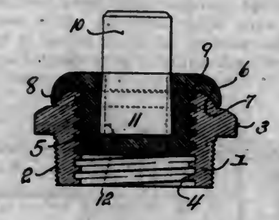
1. A breaking device for hollow cylinders comprising an internal, expanding member for applying force to the inner surface of the cylinder to break it into sections and an external restricting member for restricting the movement of said sections.

1,630,760. FOOT CONTROL. GEORGE R. POWELL, Merion, Pa. Filed Oct. 2, 1926. Serial No. 136,066. 6 Claims. (Cl. 74—81.)



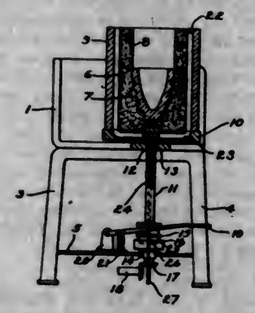
1. A foot control comprising a pedal, a pivot located intermediate the ends of the pedal, and a stationary bridging bar over the pivot functional as a fulcrum rest for the foot in actuating the pedal.

1,630,761. WASHOUT PLUG. ORTON L. PRIME, Milwaukee, Wis. Filed Aug. 29, 1925. Serial No. 53,364. 1 Claim. (Cl. 220—39.)



A plug comprising a bushing having an aperture therethrough, said aperture being threaded, said bushing having an externally threaded portion and having a projecting flange adjacent its outer end and having a beveled seating surface spaced both from the outer edge of the flange and from the outer end of the bushing, a removable plug screwed into the internally threaded aperture of said bushing, said plug having a projecting flange provided with a surface contacting with the beveled seating surface of said bushing, the flange of said plug being inwardly turned towards the flange of said bushing and stopping short of the flange of said bushing, the flange of said plug having a cut-away portion spaced from the end of said bushing when said plug is screwed into place.

1,630,762. METHOD OF AND APPARATUS FOR FORMING INSULATORS. KARL C. RANDALL, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921, Serial No. 468,701. Renewed Apr. 27, 1927. 4 Claims. (Cl. 25—129.)



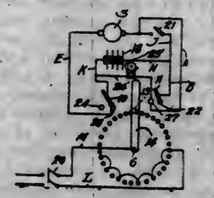
1. An apparatus for forming bodies of plastic material comprising a plaster-of-Paris mold, a hollow container secured to a base plate having an annular groove formed therein, said mold having a plurality of annular openings communicating with said annular groove, a hollow spindle secured to said base plate, the opening thereof communicating with said annular groove, a friction member attached to the lower end of said hollow spindle, a cooperating friction member secured to a source of power, means for directing an air blast through said hollow spindle to said groove and into the openings of said mold, and means for bringing said friction members into engagement to rotate said spindle.

1,630,763. CHEWING GUM. PAUL H. RAYMER, East Orange, N. J. Filed June 26, 1925. Serial No. 39,832. 5 Claims. (Cl. 167—9.)

1. A chewing gum composition containing magnesium hydroxide, the quantity of the magnesium hydroxide being sufficient to neutralize the acidity of the mouth throughout the normal life of the gum, while being chewed, and being insufficient to injuriously affect the chewing quality of the gum.

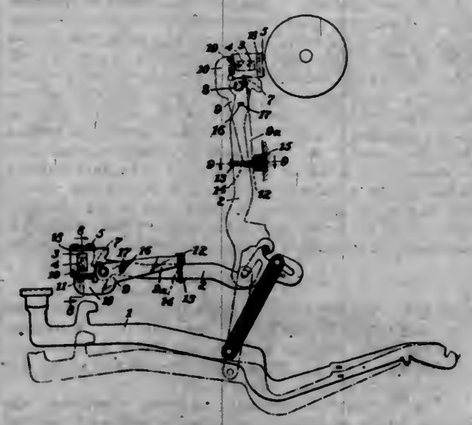
3. A chewing gum pellet comprising an inner body of chewing gum composition, an outer coating of sugar composition, and magnesium hydroxide distributed in both said inner body and said coating, the total quantity of magnesium hydroxide being less than three percent by weight of the pellet.

1,630,764. SIGNAL TRANSMITTER. FELICE RIZZO, Schenectady, N. Y. Filed Feb. 27, 1925. Serial No. 12,012. 1 Claim. (Cl. 177—380.)



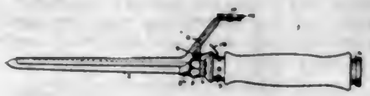
A transmitter of the class described including, in combination, a casing, an annular series of spaced stationary contacts arranged on one wall of the casing, a shaft journaled through said wall of the casing centrally of the series of contacts, a motor operatively associated with the shaft for imparting rotary motion thereto, a movable contact on said shaft associated with said stationary contacts to move thereover, a switch mounted on said wall of the casing outside of the annular series of contacts, and including a movable element and a stationary element, said elements being in circuit with the motor, and an arm mounted on the shaft to move synchronously with the movable contact for engaging, when in a predetermined position, the movable element of the switch, so as to disengage the movable element from the stationary element for the purpose of breaking the motor circuit.

1,630,765. NOISELESS TYPEWRITER. JOHN A. RUFFIN, Middletown, Conn., Horace Edward Ruffin and Allan F. Ruffin, executors of said John A. Ruffin, deceased. Filed Apr. 11, 1923. Serial No. 631,414. 7 Claims. (Cl. 197—35.)



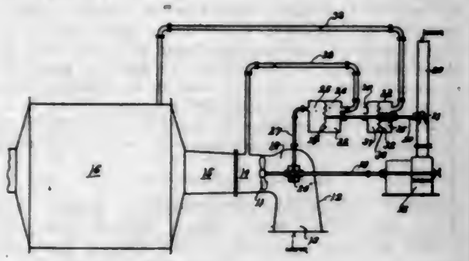
4. In a typewriting machine, a type bar, a platen a type slidable on the type bar for printing by pressure in combination with means mounted on the type bar for exerting said pressure, and a stop on the frame for operating said means when the type bar is moved to a position adjacent the platen.

1,630,766. CURLING IRON. EDWIN A. RUTENBER, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 23, 1926. Serial No. 83,193. 6 Claims. (Cl. 132—37.)



1. The combination of an elongated heating member, a hair clamping member mounted on the heating member and movable to and from the same, an operating arm connected with the clamping member, and a connection between the heating and the clamping members to lock the said two members against relative and rotary movement, said connection comprising a polygonal portion at the inner end of the heating member, a part having similar form on the clamping member adapted to fit thereon and means at the outer end of said polygonal portion to laterally guide the connection on the clamping member to a position of coincidence when moved longitudinally onto the polygonal portion.

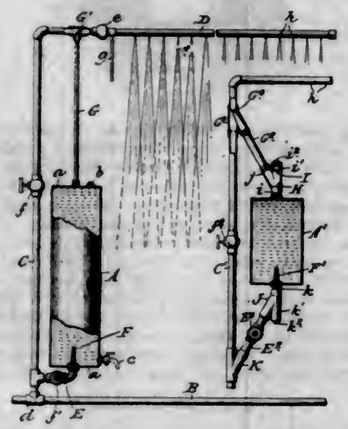
1,630,767. REGULATOR SYSTEM FOR CONDENSER CIRCULATING PUMPS. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 3, 1920. Serial No. 427,995. 12 Claims. (Cl. 257—24.)



3. In combination, a surface condenser, a turbine-driven circulating pump comprising turbine and pump units, a throttling valve to control the supply of motive fluid to the turbine unit, and controlling means for the throttling valve comprising a primary balance motor having a diaphragm, means to render one side of the diaphragm subject to variations in the pressure existing in the discharge outlet of the pump, means to subject the other side of the diaphragm to pressures responsive to changes in speed of the pump, a secondary balance motor having a diaphragm, means to render one side of the diaphragm responsive to variations in air pressure, and means to render the other side of the diaphragm responsive to variations in pressure within the condenser.

1,630,768. METHOD OF DISTRIBUTING FERTILIZER IN SOLUBLE CONDITION. GUSTAVE C. C. SCHRADER, Forest Hills, N. Y., assignor to Harry I. Bernhard, New York, N. Y. Filed Apr. 13, 1922. Serial No. 552,418. 4 Claims. (Cl. 47—58.)

1. In the art of fertilizing growing vegetation, the method which consists in preparing a saturated solution of manurial salts, setting up a flow of water through an appropriate distributor for effecting the distribution over plants in a given area of surface, charging a container with a determined volume of such saturated solution, admitting to the saturated solution some of the water and displacing such solution from the container in a dilute condition and mixing the dilute solution so displaced with the flowing water for effecting the distribution of solution in a progressively diluted condition over the growing plants, and continuing the flow of water after the charge container shall have been emptied and distributing such water over the plants for a desired period of time, whereby the plant foliage is washed clear from traces of such manurial salts solution and the salts with the water become absorbed by the plant soil.



4. In the art of fertilizing growing vegetation, the method which consists in preparing a saturated solution of manurial salts composed of nitrate of soda, acid phosphate, and muriate of potash, placing in a container such solution the quantity of which is apportioned to the area of growing vegetation to be fertilized, setting up a flow of water through an appropriate distributor, admitting water to the container and diluting the salt solution progressively, feeding the diluted salt solution to the flowing water and further diluting the salt solution by admixture with the flowing water, distributing the admixture of water and salt solution over a given area of growing vegetation for discharging the salt solution in progressively diluted condition until the charge container is emptied of salt solution, and thereafter continuing the flow of water and distributing the same over the growing vegetation for washing the salt solution from the plant foliage whereby the water and salt solution are absorbed by the plant soil.

1,630,769. PROCESS OF MAKING DISUBSTITUTED GUANIDINES. WINFIELD SCOTT, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 15, 1923. Serial No. 619,318. 20 Claims. (Cl. 260—125.)

1. The process of making disubstituted guanidines which comprise desulfurizing the corresponding disubstituted thiourea by the action thereon of a basic salt of a metal selected from a group consisting of lead, zinc, cadmium and tin in the presence of ammonimum hydroxide.

6. The process of desulfurizing thioureas which comprises inducing a reaction between a thiourea and a finely subdivided basic salt of lead.

1,630,770. CONTROL FOR CURTAIN AND AWNING ROLLERS. HENRY SMITH, Chicago, Ill. Filed Mar. 8, 1924. Serial No. 696,564. 5 Claims. (Cl. 156—44.)

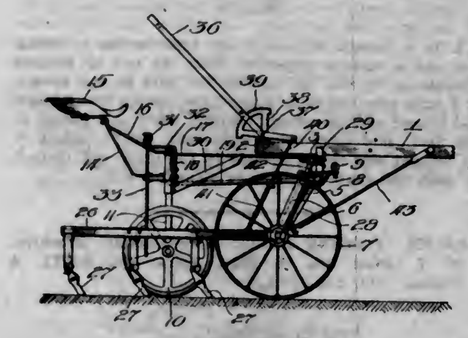
1. In a device of the class described, a sectional casing having a longitudinal chamber and opposite heads integral with the casing and forming end abutments, a threaded gudgeon journaled in the heads and having an angular end projecting beyond one of the heads, a nut on the thread to abut against either head, and co-operating devices between the nut and casing constructed to rotate these parts in unison on the gudgeon to move the nut along the gudgeon to abut against one of the heads to lock the gudgeon and casing together.



1,630,771. PROCESS OF SOLDERING ARTICLES. EUGEN THOMA, Pforzheim, Germany. Filed July 17, 1924, Serial No. 726,637, and in Germany Sept. 7, 1922. 19 Claims. (Cl. 204—1.)

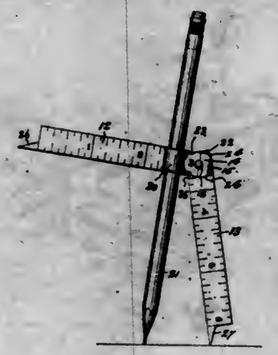
1. The process of soldering articles having connected links which consists in depositing, between the adjoining ends of the links, by electrolytic action, material capable of having a soldering effect with respect to the metal of which the links are made and subsequently softening the material to solder the link ends together.

1,630,772. RIDING CULTIVATOR. SAMUEL H. TINSMAN, Morris, Ill. Filed Feb. 24, 1925. Serial No. 11,080. 17 Claims. (Cl. 97—155.)



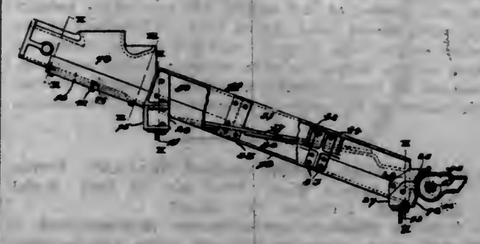
1. In a riding cultivator, the combination of a wheeled structure, cultivator gangs connected thereto and adapted to swing laterally, a rear seat for the driver, a seat-supporting structure having draft connection to and trailing behind the wheeled structure to swing laterally relatively thereto, and provided with steering means engaging the ground to sustain the weight of the driver, means whereby the driver has control over said steering means, thereby to swing the seat-supporting structure laterally at will, and connecting means between said seat-supporting structure and said cultivator gangs, whereby swerving of the seat-supporting structure to one side or the other by the action of said steering means will necessarily cause said gangs to swing laterally in the same direction.

1,630,773. COMBINATION DIVIDER. ALFRED VAN GALE, Newark, N. J. Filed Dec. 27, 1922. Serial No. 609,195. 4 Claims. (Cl. 33—149.)



1. In a device of the kind described, a pair of leg members made of flat stock and having their inner ends in mutually overlapping relation, a pivotal rivet joining said inner ends of said leg-members, one of said leg-members having a stop-lug, the other of said leg-members having on one side a stop notch engageable by said stop lug to hold said leg-members in a relative extension of one hundred and eighty degrees and having on the opposite side a second stop notch engageable by said stop lug to hold said leg-members in relative extension of niety degrees, a tension element interposed between one end of said rivet and said leg-members which is adapted to force the meeting surfaces of said leg-members into strong frictional mutual engagement, and each leg-member having a longitudinally projecting sharpened spur at its free end.

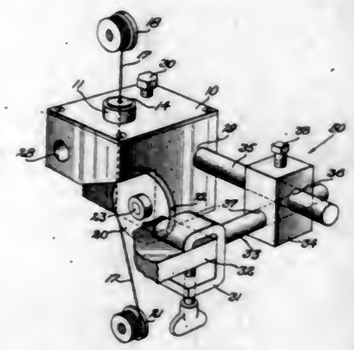
1,630,774. UNDERFEED STOKER. OTTO ARAM, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 10, 1923. Serial No. 638,118. 13 Claims. (Cl. 110—44.)



5. In an underfeed stoker having a combustion grate formed of alternately disposed retorts and tuyère rows, a retort frame comprising a front end member, a rear

end member, two parallel beam members secured to said end members and extending forwardly of the front end member and a ram box mounted on said beam members forwardly of the front end member.

1,630,775. APPARATUS FOR TREATING DIES. HAROLD PETER ARKEMA, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 24, 1924. Serial No. 715,665. 7 Claims. (Cl. 51—62.)



1. In an apparatus for treating dies, means for passing a wire through the orifice of a die and simultaneously rotating the die subjecting the die to the polishing action of the said wire, and means controlled by the wire passing therethrough for controlling the rotation of the said die.

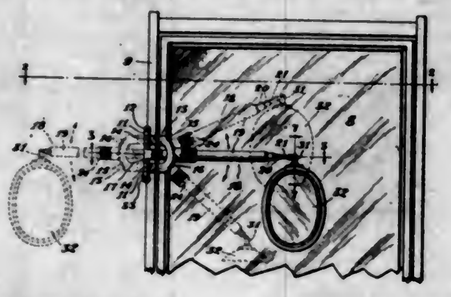
1,630,776. RESILIENT TIRE. HENRY BONAWITZ, Brooklyn, N. Y. Filed May 9, 1925. Serial No. 29,101. 5 Claims. (Cl. 152—8.)



2. A device of the class described comprising two annular resilient sections adapted to be mounted within a tire shoe and spaced from each other, each of said sections being composed of a plurality of similar and independently formed members, radially extending means on each member of each section, the ends of the radially extending means being spaced from the members of the other section, and a curved spring for each member of each section having its ends contacting with said member and its central portion engaging the radially extending means of the adjacent member of the other section.

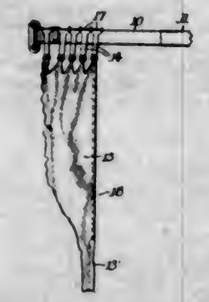
1,630,777. ADJUSTABLE MIRROR BRACKET. VICTOR BOURDON, Seattle, Wash. Filed Mar. 21, 1925. Serial No. 17,252. 4 Claims. (Cl. 45—97.)

1. In an adjustable mirror-bracket, in combination, a fixed base, a vertically disposed hinge pin mounted therein, a yoke member mounted upon said hinge pin for horizontal swinging movement only relative to said base, a knuckle member mounted upon said hinge pin midway the length thereof for horizontal swinging movement only relative to said base, a mirror supporting arm pivotally connected to said knuckle member midway the length thereof and embraced by said yoke member for vertical swinging movement relative to said members



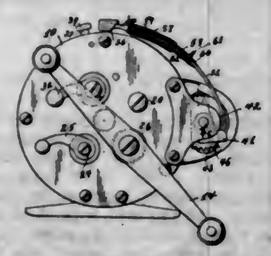
and horizontal swinging movement therewith, and means for retaining the arm in selective vertically adjustable positions upon said yoke member.

1,630,778. CURTAIN FIXTURE. JAMES H. BOYE, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 8, 1926. Serial No. 93,002. 5 Claims. (Cl. 156—21.)



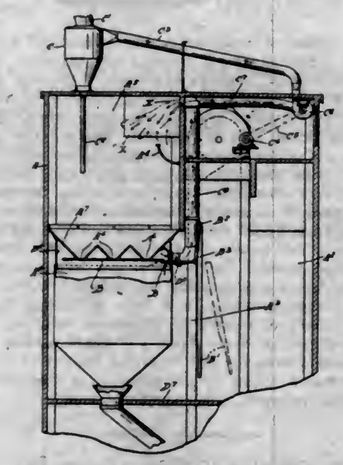
1. In a curtain fixture of the type having a curtain rod and a curtain suspended from the rod by hangers slidable on the rod, the combination with an end hanger, of a strip attached to an edge of the curtain beneath said end hanger and extending to within reach of a person on the floor, said strip being sufficiently stiff to adapt it, by manual side thrust applied to the lower end thereof, to push and draw the hangers along the rod.

1,630,779. FISHING REEL. JOHN BRISLIN, Brooklyn, N. Y. Filed Feb. 8, 1926. Serial No. 86,772. 4 Claims. (Cl. 242—84.4.)



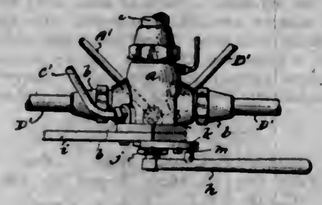
3. In a reel having side-plates and a level-winding mechanism, a screw-shaft, a relatively fixed bearing on one of said plates for one end of said shaft, a swinging lever mounted on the other of said plates and forming a bearing for the opposite end of said shaft, a pinion on said screw-shaft adjacent said lever and arranged to mesh with a gearwheel on the spool-shaft of the reel, and means for swinging said lever.

1,630,780. DUST-COLLECTING SYSTEM FOR GRAIN-ELEVATOR GARNERS. THOMAS D. BUDD and WILLIAM R. SINKS, Chicago, Ill. Filed Jan. 15, 1925. Serial No. 2,500. 22 Claims. (Cl. 209—147.)



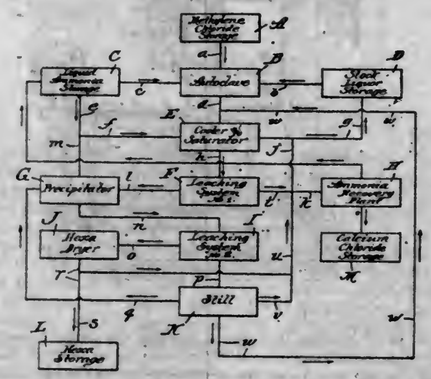
1. In a grain elevator, a garner, and means for holding therein the grain received thereby, a leg adapted to discharge grain to said garner, an air circulating and dust separating system associated with said leg and garner, comprising an air withdrawal passage in communication with said garner, means for withdrawing air therealong, means for separating dust from the air so withdrawn and means for returning said dust to the grain in said garner.

1,630,781. MULTIWAY VALVE. GEORGE A. BURMAN, Detroit, Mich., assignor to E. J. Woodison Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 28, 1923. Serial No. 665,336. 4 Claims. (Cl. 251—104.)



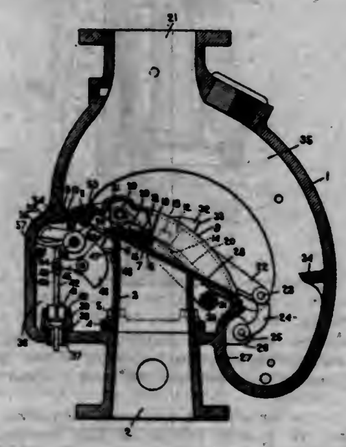
1. A valve for controlling a plurality of machine operations having in combination, a valve body provided with ports arranged in different horizontal planes and connected with conduits leading to the machine parts, a hollow valve rotatable within the valve body having its interior connected to a fluid pressure supply, this valve body having openings extending through its walls which are of sufficient length to align with the ports in the valve body as the valve is rotated, the valve also having grooves in its exterior surface which extend to the end of the valve and communicate with the atmosphere, these grooves being adapted to align with ports in the valve body to permit exhaust thereof.

1,630,782. PROCESS AND APPARATUS FOR PRODUCING HEXAMETHYLENETETRAMINE AND AMMONIUM CHLORIDE. CARNIE B. CARTER, deceased, Pittsburgh, Pa., by Myrtice G. Carter, executrix, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed July 30, 1926. Serial No. 125,958. 10 Claims. (Cl. 260—141.)



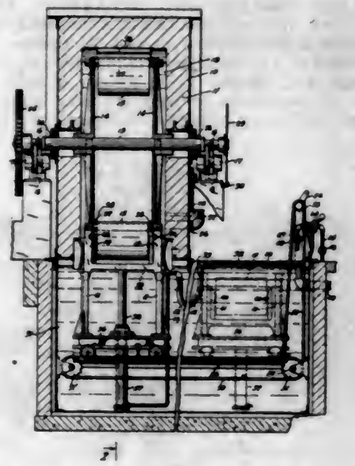
1. In effecting the separation of hexamethylenetetramine from ammonium chloride, the step which comprises: leaching with liquor saturated with respect to ammonium chloride a series of charges comprising ammonium chloride and hexamethylenetetramine.

1,630,783. DRIP VALVE FOR DRY-PIPE VALVES. EZRA E. CLARK, Newtonville, Mass. Filed July 22, 1926. Serial No. 124,173. 8 Claims. (Cl. 169—22.)



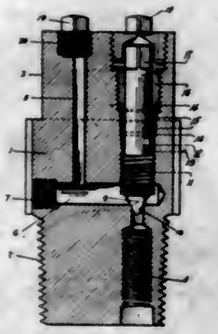
1. A dry pipe valve comprising a casing with an air valve and a water valve therein with valve seats for said valves and having a neutral chamber between said valves, provided with a drip valve port, a drip valve for said port, and means operable by the force of a stream of water discharged upon initial opening of the water valve to effect a quick closing of said drip valve.

1,630,784. ANNEALING OR HEATING FURNACE JAMES R. COE, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 11, 1926. Serial No. 93,970. 18 Claims. (Cl. 263—7.)



1. In a heating furnace, a heating chamber, a carrier in said chamber mounted to revolve in a vertical plane and having means at its periphery for carrying holders for the material to be heated, and mechanical means for inserting the holders in and removing them from the carrier.

1,630,785. CLOSURE. CHARLES D. COLLINS, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Jan. 23, 1925. Serial No. 4,171. 12 Claims. (Cl. 221—74.)

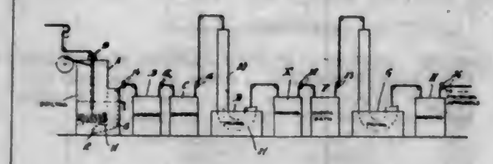


1. A closure for shipping containers comprising a block having an exit opening and a spring valved air inlet opening, and valves seated in said block adapted to close off said openings.

9. A closure for shipping containers comprising a block having an exit opening and an air inlet opening, valves seated in said block adapted to close off said openings, and means for inserting a spring valve in said air inlet opening.

12. A closure for shipping containers comprising a block having an exit opening and a spring valved air inlet opening, and valves seated in said block adapted to close off said openings, said valves and openings being at the top and bottom only of said block.

1,630,786. PROCESS FOR CONDITIONING TEXTILE MATERIALS. WILLIAM L. CONRAD, Boston, Mass. Filed May 25, 1923. Serial No. 641,326. 4 Claims. (Cl. 8—2.)



1. A method of conditioning textile material which consists in continuously progressing the material with the same end always foremost successively through a boiling vat or keir containing a cleaning solution in which the material is permeated with the cleansing liquid submerged in zigzag folds and withdrawn, passing the material through a washing machine, extracting the surplus washing fluid from the material, then saturating the material in a bath of bleaching liquor, extracting therefrom the excess liquor with which the material has been saturated, passing the material through a piling device by force derived from the weight of the material, the material in its passage through the piling device being subjected to air bleaching, again washing the material, extracting the surplus liquor therefrom and then saturating the material in a bath of chemic or equivalent solution, extracting therefrom the excess liquor and again passing the material under force derived from the weight of the material through a piling device, where it is subjected to air bleaching, and again washing the material.

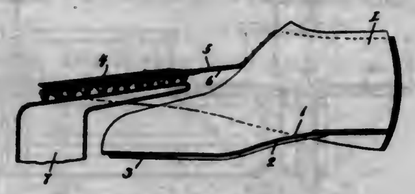
1,630,787. COOKING UTENSIL. CATHERINE F. CULLEN, New York, N. Y. Filed Sept. 18, 1925. Serial No. 57,159. 1 Claim. (Cl. 53—8.)



In combination, a container, a triangular shaped receptacle adapted to be positioned within the said container, the walls of said receptacle being imperforate and the front wall curved to conform to the shape of the container, the top edges of the said walls being reenforced, an arched member overlying and rigidly attached to the top edge of the said front curved wall, said arched member having a depending extension and an outwardly extended handle portion formed integral therewith protruding considerably beyond the wall of the said container.

1,630,788. BOX-TOE SHOE. JOHN J. DALY, Newton, Mass. Filed Oct. 22, 1923. Serial No. 669,948. 2 Claims. (Cl. 12—145.)

1. The method of forming a box toe which consists in coating a portion of the toe area of the insole with a normally stiff thermo-plastic material, in temporarily positioning said insole on a last to which is lasted a box toe blank of normally stiff thermo-plastic material and a toe tip, in applying to the box toe blank heat in a degree sufficient to soften said blank but insufficient to injure the toe tip or soften the thermo-plastic coating of the insole, in pulling over the softened box toe blank and the toe tip and temporarily tacking them to the last, in subjecting the lasted box toe to a heat application sufficient to again soften the box toe blank and to also soften the thermo-plastic coating of the insole, in wiping in the formed toe while so softened whereby to



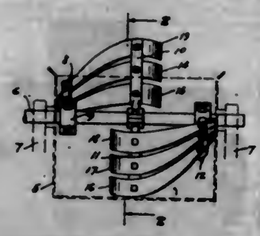
cause the box toe blank, toe tip and insole to adhere to each other, and in subsequently hardening the softened thermo-plastic coating of the box toe blank and insole to cause the box toe blank, top tip and insole to intimately unite with each other.

1,630,789. PLASTER MIXER. NEWMAN ESSICK, Los Angeles, Calif. Filed Sept. 8, 1924. Serial No. 736,466. 3 Claims. (Cl. 83—73.)



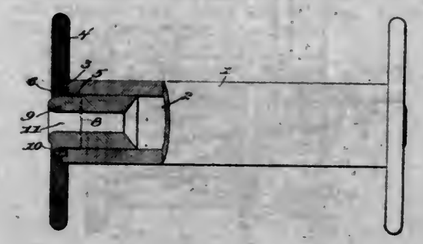
1. A mixer comprising a frame having spaced standards, a horizontally disposed shaft journalled between said standards and having mixing blades thereon, a drum suspended so as to be turned about said shaft and having an opening for the introduction and discharge of a charge of material said frame being arranged to permit free lateral discharge of said drum on both sides, abutment members extending from the heads of said drum, and locking members on said standards arranged to be disposed at will in front of said abutment members whereby to hold said drum against rotation in one direction.

1,630,790. PLASTER-MIXING DEVICE. NEWMAN ESSICK, Los Angeles, Calif. Filed Sept. 21, 1925. Serial No. 57,653. 3 Claims. (Cl. 83—73.)



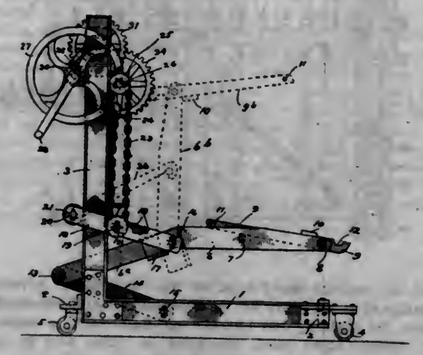
1. In a plaster mixer, the combination of a cylindrical mixing chamber, a shaft journaled in said chamber, a beater element secured to said shaft and comprising helical blades secured to and extending along said shaft, said blades being closely spaced radially and lying in a common plane throughout their length, the blades being scooped at one end.

1,630,791. SPOOL AND METHOD OF MAKING THE SAME. STEPHEN R. GLEASON, Lowell, Mass., assignor to Walter L. Parker Company, a Copartnership consisting of H. Hutchins Parker and Allan D. Parker, Lowell, Mass. Filed Dec. 8, 1926. Serial No. 153,324. 2 Claims. (Cl. 242—118.)



1. A spool having a barrel with a cylindrical hole in its end, a head provided with a frusto-conical hole, a reinforcing ferrule having its outer end frusto-conical to fit the hole in the head and its inner end preliminarily frusto-conical and provided with outwardly extended projections, and a plug having its outer end frusto-conical to fit the inside of the ferrule and its inner end cylindrical to expand the inner end of the ferrule to fit the hole in the barrel and to force the projections on the inner end of the ferrule into the wall of the barrel hole, the barrel, head and plug being glued together.

1,630,792. AUTOMOBILE JACK. OTTO W. HAHN, San Francisco, Calif., assignor to Universal Jack & Hoist Corporation. Filed Jan. 4, 1926. Serial No. 79,087. 11 Claims. (Cl. 254—4.)

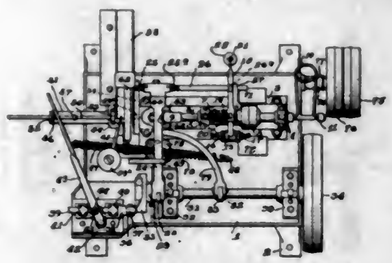


1. A jack of the character described comprising a supporting frame including an upright, a laterally extending jack arm, a link at the rear end of said jack arm pivotally connected to the same and to the frame to permit vertical pivotal movement to said arm, and means pivotally connected to said arm intermediate its ends and guided for vertical movement on said frame.

1,630,793. APPARATUS FOR PRODUCING THREADED PINS. FREDERICK W. HEUSMER, Jersey City, N. J. Filed Dec. 22, 1924. Serial No. 757,384. 2 Claims. (Cl. 10—101.)

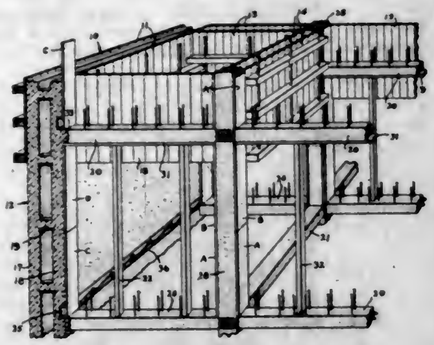
2. In a thread cutting machine adapted to press a chasing cutter upon the goods to be treated, the combination comprising means regulating the depth to which the chasing cutter is to be pressed, said regulating means

consisting of a pivotally arranged and periodically ascending and descending lever arm, having its free end form an inverted V with a fork-shaped terminal, a guide-wheel arranged in said terminal, a set screw arranged in the lever arm, a chasing cutter vertically adjustably arranged



in aforesaid lever between its pivot and aforesaid screw, a pivotally arranged bent arm, having a fork-shaped end, co-operatively disposed below and engaging aforesaid set screw, a guide-wheel arranged in the fork-shaped end of said bent arm, and a cam with a curved-in periphery engaging the guide-wheel of said bent arm.

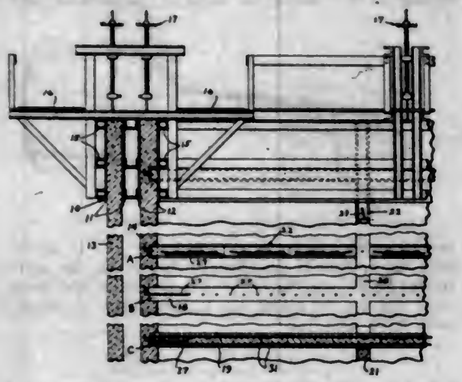
1,630,794. CONCRETE-MOLD FORM. WILL E. KELLER, Los Angeles, Calif. Filed Sept. 1, 1926. Serial No. 132,957. 8 Claims. (Cl. 25—131.)



1. A concrete mold form of the "slip form" type consisting of a plurality of vertical mold walls arranged in pairs for forming the outside building walls, a plurality of similar mold walls arranged in pairs and in cross formation between the first mentioned mold walls, said walls adapted to form the floor beams, and a plurality of mold walls at the meeting ends of the second mentioned mold walls for forming the beam supporting columns, said walls arranged to provide openings at the ends of the beam molds, whereby to permit concrete to flow from the columns and outside wall mold forms to the beam mold forms during a concrete pouring operation.

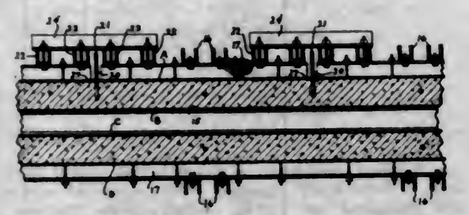
1,630,795. MOLD FORM FOR BUILDING STRUCTURES. WILL E. KELLER, Los Angeles, Calif. Filed Sept. 1, 1926. Serial No. 132,958. 4 Claims. (Cl. 25—131.)

1. In combination with a mold form of the "slip" type for forming vertically disposed concrete building walls, of a mold form carrying a plurality of metal attaching rods adapted to be inserted within the movable "slip" form mold for forming recessed seats in the building walls for the attachment of concrete floor and partitions, the free ends of the attaching rods being disposed and lying within the forms during the wall pouring opera-



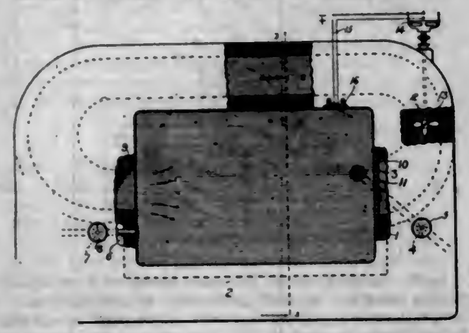
tions and adapted to be bent outwardly from the form boxes after the walls are poured to form connections for floors slabs and wall partitions.

1,630,796. MOLD FORM. WILL E. KELLER, Los Angeles, Calif. Filed Sept. 1, 1926. Serial No. 132,959. 6 Claims. (Cl. 25—131.)



1. Concrete mold forms of the travelling type comprising a pair of mold walls spaced apart to form a mold cavity therebetween, said walls provided with vertically disposed slots, stationary closure boards mounted in the slots adapted to carry metal attaching devices projecting at an angle from said boards, means secured to said form walls for permitting the passage of the forms past the attaching devices as the same are elevated, and means to elevate the forms.

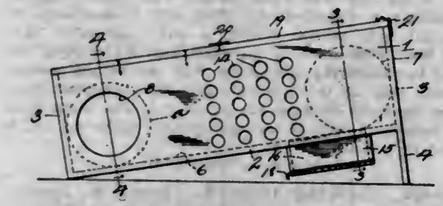
1,630,797. EXERCISING SWIMMING TANK. JAMES MARWICK, Santa Barbara, Calif. Filed Dec. 22, 1925. Serial No. 77,025. 5 Claims. (Cl. 4—172.)



1. In a swimming tank of the character described, the combination with means for circulating the water horizontally in the tank, of controlling devices for the

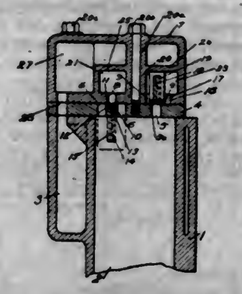
said circulating means carried by the tank above the water and arranged within reach of a bather in the tank, and mechanism carried by the tank and extending into the tank and adapted to act upon the said water circulating means independent of the said controlling devices.

1,630,798. ANIMAL TRAP. SAM MORELLI, Gaston, Oreg. Filed Dec. 24, 1926. Serial No. 156,874. 5 Claims. (Cl. 43—60.)



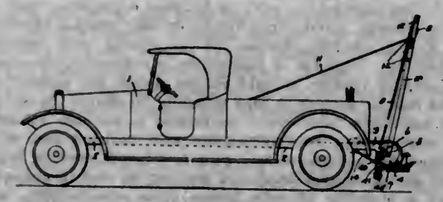
1. A trap comprising a casing having side walls, an inclined bottom, an entrance passage in one of the side walls adjacent the lower end of the inclined bottom, an inclined track way adjacent the entrance passage side of the casing, and a gravitationally propelled round disc closure mounted on said trackway and forming means for closing the trap after an animal enters the same.

1,630,799. COMPRESSOR. DONALD GRAHAM MURRAY, Grove City, Pa., assignor to The Bessemer Gas Engine Company, Grove City, Pa., a Corporation of Pennsylvania. Filed June 8, 1925. Serial No. 35,654. 6 Claims. (Cl. 230—34.)



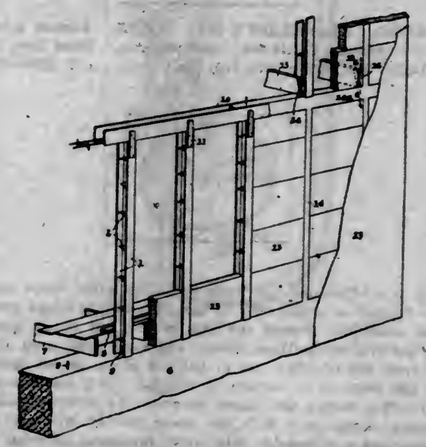
1. In a compressor, the combination of a cylinder; a valve plate on the cylinder having an exhaust port and an inlet passage therethrough; a head on the plate having an inlet port and an outlet passage therefrom; inlet and exhaust straight-sided leaf valves controlling the ports; coil springs pocketed in the head acting on the exhaust valve; and coil springs in the plate acting on the inlet valve.

1,630,800. AUTOMOBILE WRECKING CAR. GORDON W. PAGE, San Francisco, Calif. Filed May 4, 1926. Serial No. 106,634. 4 Claims. (Cl. 212—8.)



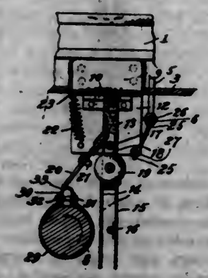
1. An automobile wrecking car provided with extensions at the rear end of the chassis frame, a hoisting drum mounted on said extensions geared through a plurality of transmission elements to the engine of the vehicle, and a hoisting boom pivotally mounted at the rear of the vehicle on said extensions adapted for lowering of its outer end to the ground.

1,630,801. WALL CONSTRUCTION. FLOYD Y. PARSONS, Paterson, N. J. Filed July 31, 1926. Serial No. 126,130. 4 Claims. (Cl. 25—131.)



1. In the constructing of a wall, the hereindescribed method which consists in first fixing pairs of opposed elongated form members in upright position at intervals from each other along the line of the wall to be constructed and so that said members in each pair are spaced apart and opposed to an upright plane common to the several pairs, then stacking in each interval wall elements, each of a thickness approximately to fit between the members of and each of a length less than the center-to-center distance between the pairs flanking but exceeding the width of such interval, so that each wall element projects into both of the spaces between the members of those pairs which flank such interval and is spaced from each next adjoining stack, and introducing cementitious material into each space formed between adjoining stacks on the one hand and the members of one such pair on the other and thereby forming in such space a pier bonded to such adjoining stacks.

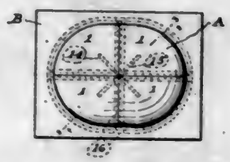
1,630,802. SIGNAL. EDWIN C. POMEROY, New Milford, Conn. Filed July 7, 1924. Serial No. 724,618. 2 Claims. (Cl. 116—56.)



1. A signal of the character described for motor vehicles comprising a member adapted to be connected to the drive shaft of the vehicle, a member connected to the vehicle for swinging movement, an alarm carried by the swinging member, means carried by the swinging member and adapt-

ed to be engaged by the member carried by the drive shaft for operating the alarm, means connecting the swinging member with the emergency brake operating mechanism of the vehicle whereby when the emergency brake is on the swinging member will be so positioned that the alarm operating mechanism carried thereby will be engaged by the member connected to the drive shaft, and means for returning the swinging member to inoperative position when the emergency brake is released.

1,630,803. ADJUSTABLE HAT BLOCK. ALFRED RYDER and ALFRED C. RYDER, Sheffield, Ala. Filed Dec. 10, 1923. Serial No. 679,570. 2 Claims. (Cl. 223—21.)



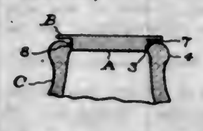
2. An adjustable hat block including a hat block member formed in a plurality of complemental sections which are assembled around the axis of the hat block, means for moving the sections toward and away from each other to vary the effective size of the hat block, plates applied to the bottoms of certain of the hat block sections and extending across the joints between the sections into a sliding engagement with the lower face of adjacent sections, and a removable filler strip insertable between the sections and adapted to be initially supported by the said plates in position with the outer edges thereof flush with the outer surface of the hat block member.

1,630,804. POST. DANIEL R. SCHOLES, Chicago, Ill., assignor to Aermotor Company, Chicago, Ill., a Corporation of Illinois. Filed June 27, 1925. Serial No. 40,024. 4 Claims. (Cl. 189—21.)



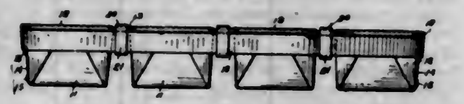
1. A ground anchorage for a tower or similar structure comprising a length of angle iron adapted to be inserted in a hole in the ground, the upper end portion of said angle iron being adapted for connection with the tower or similar structure and being of normal configuration with the side walls thereof disposed at or substantially at right angles to one another to resist bending strains imposed thereon by the tower, the lower end portion of said angle iron having the side walls thereof collapsed together, and a mass of cementitious material surrounding the collapsed lower end portion of said angle iron.

1,630,805. BOTTLE CLOSURE. CARL J. SCHUSTER, Milwaukee, Wis. Filed May 8, 1925. Serial No. 28,825. 5 Claims. (Cl. 215—51.)



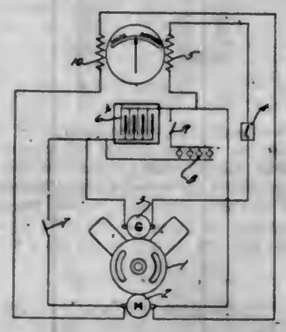
1. A one piece bottle cap formed from paper pulp and comprising a comparatively thick and substantially cylindrical body portion having a wide peripheral edge, said body portion being provided with an integral annular lip projecting outwardly from the bottom portion thereof, said lip being flexible and being adapted to be flexed upwardly between the interior of the bottle neck and peripheral edge of the body portion when the cap is forced in position.

1,630,806. COOKING UTENSIL. HENRY M. SCHWAB, Dormont, Pa., assignor to Byrnes & Kiefer Company, a Corporation of Pennsylvania. Filed Aug. 17, 1926. Serial No. 129,786. 5 Claims. (Cl. 53—6.)



1. A baking utensil having in combination a plurality of individual baking pans having beaded outer edges adapted to receive a wire extending therethrough for holding said pans in assembled relation, end plates secured to said pans, relatively heavy straps secured to said end plates and extending longitudinally beneath said wire, cross members for supporting the inner adjacent edges of said pans, the ends of said cross members being formed so as to rigidly secure said wire to said straps.

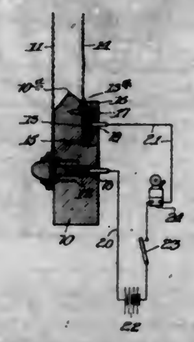
1,630,807. INDICATOR FOR AUTOMOBILE CIRCUITS. HARRY I. SHIRE, Detroit, Mich. Filed Mar. 7, 1921. Serial No. 450,478. 5 Claims. (Cl. 177—311.)



1. The combination with an internal combustion engine, of a starting motor connected in driving relation thereto, a storage battery, means for connecting said battery across the terminals of said motor, a generator connected in driving relation to said engine, means for connecting said storage battery to said generator to charge the same, an indicating instrument comprising a movable pointer, a scale having an intermediate zero position and calibrated on one side of said zero position to read in volts and on the other side of said position to read in amperes and a plurality of coils acting upon said pointer, one of said coils being connected across the terminals of said motor and the other of said coils being connected in series between said generator and battery, said coils being so

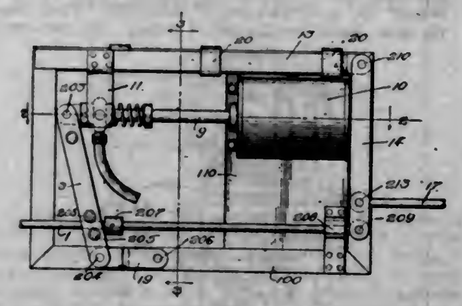
wound and connected that current supplied from the battery to the starting motor causes the said pointer to move in one direction from said zero position and current through the coil in the generator circuit flowing from the generator to the battery causes said pointer to move in the opposite direction from said zero position, a starting switch for connecting and disconnecting said motor and the instrument coil connected across its terminals in and from operative relation to said battery and a reverse current switch adapted to connect and disconnect said generator with said battery.

1,630,808. ALARM DEVICE. ERICH T. SIEGERDT, Chicago, Ill. Filed Nov. 27, 1925. Serial No. 71,637. 1 Claim. (Cl. 200—52.)



A circuit closing device for alarm systems comprising a frame, two parallel normally separated metallic screens carried by said frame and insulated from each other, the frame having a recess adapted to receive one screen, the bottom of the recess being inclined toward the other screen, a strip adapted to fit into said recess, and means for tightening said strip on the screen to stretch the screen.

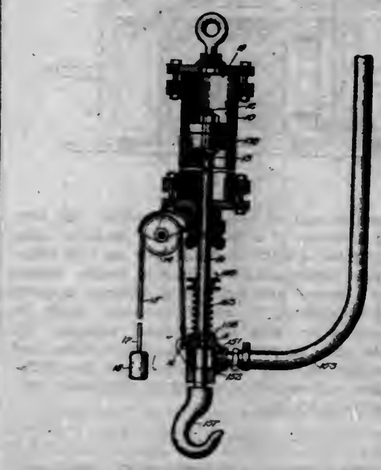
1,630,809. POWER MECHANISM. GEORGE N. SIMPSON, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 597,868. 17 Claims. (Cl. 121—14.)



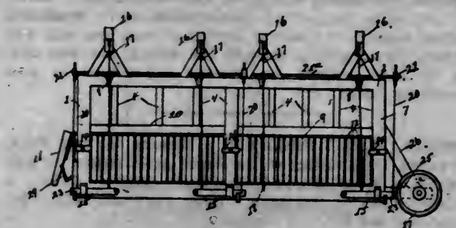
1. A device of the character described comprising an air cylinder having a piston therein provided with a hollow piston rod, a valve slidably mounted on the piston rod, a power rod, a lever connecting the piston rod to the power rod, a link connected to the sliding valve and the power rod, and a control rod connected to the link.

1,630,810. POWER MECHANISM. GEORGE N. SIMPSON, Chicago, Ill. Filed June 13, 1925. Serial No. 36,988. 1 Claim. (Cl. 121—41.)

In a device of the character described; an air cylinder having a piston therein provided with a hollow piston rod; a valve part slidably mounted on the piston rod; a fluid pressure connection to said valve part; a port in said piston rod communicating with the lower end of the bore therein, said port adapted to be closed by said valve part when in its neutral position on said piston rod, put into communication with the pressure connection by relative upward movement of said valve part on said piston rod and opened to the atmosphere by relative downward movement of said valve part on said piston rod; and a communication between the upper end of said bore and the interior of said cylinder.

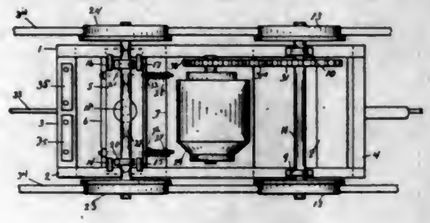


1,630,811. STARTING CAGE FOR DOG RACING AND THE LIKE. OWEN P. SMITH, Miami, Fla. Filed Dec. 8, 1926. Serial No. 74,086. 2 Claims. (Cl. 119—15.5.)



1. A starting cage for racing dogs and the like, comprising a box like structure divided into a plurality of separate compartments, a door hinged at the top to the box and extending across the front of the same to close the compartments, a plurality of arms carried by the box and extending forwardly at the front of the same, resilient means connected with the arms and with the lower end of the door for automatically opening the same, a latch located at the bottom of the door for holding the latter in its closed position, a bell crank lever mounted upon the box above the door and having an approximately horizontal arm connected with the latch, said bell crank lever being also provided with a substantially vertical arm, an operating device connected with the vertical arm of the bell crank lever, a guide located at the outer end of a projecting arm, and a stay rope passing through the guide and connected with the door at the bottom thereof and extending from the guide to the bell crank lever and connected therewith whereby when the bell crank lever is actuated to unlatch the door, the stay rope will be simultaneously pulled to assist the opening of the door.

1,630,812. TRACTION CAR AND THE LIKE. OWEN P. SMITH, Miami, Fla. Filed May 24, 1926. Serial No. 111,153. 3 Claims. (Cl. 105—165.)



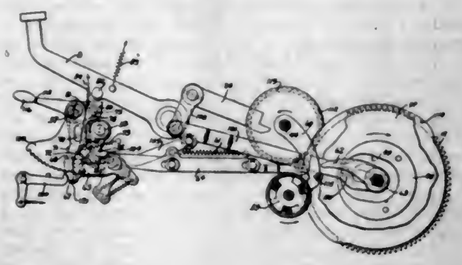
1. In a traction car of the class described, the combination with a frame, of a motive power mounted upon said frame, traction wheels mounted upon an axle rotating in bearings rigidly attached to said frame, wheels mounted upon a second axle rotating in bearings mounted upon a support adapted to rotate pivotally about its mid-center, guides on said support and engaging the frame to hold said support in horizontal position and springs connected between said support and the frame adapted to hold said wheels normally in alignment with the aforementioned wheels.

1,630,813. BED-SPRING ATTACHMENT. FRANK J. VIDA, Staten Island, N. Y. Filed Mar. 20, 1926. Serial No. 96,197. 4 Claims. (Cl. 5—226.)



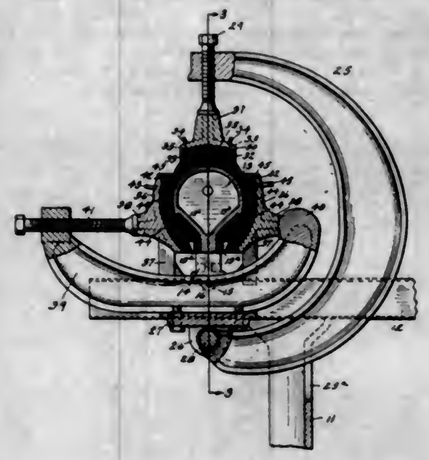
1. In combination with a bed spring including end rails and a woven spring mat supported between the rails, of means for ridging the spring mat longitudinally thereof, comprising supporting plates disposed in depending relation beneath the central portion of each end rail, and a ridge bar extending beneath the spring mat and having its ends adapted for vertical adjustment in said supporting plates.

1,630,814. CASH REGISTER. EDWARD J. VON FEIN, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed June 29, 1923. Serial No. 648,477. 15 Claims. (Cl. 235—3.)



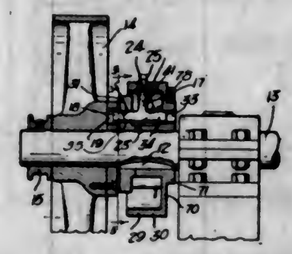
2. The combination of a control key, a pivoted manipulative means having a normal position and an operated position, means for returning said manipulative means to normal position, and means actuated by said control key for engaging said manipulative means with said returning means.

1,630,815. TIRE-REPAIR VULCANIZER. HERBERT K. WHEELOCK, Akron, Ohio, assignor to The Akron Tyrwelder Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 27, 1925. Serial No. 52,755. 12 Claims. (Cl. 18—18.)



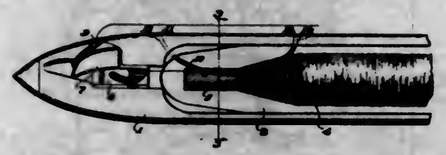
1. A tire repair vulcanizer comprising, a hollow core having deformable rubber cushions in the bead seating portions thereof, means for supplying a fluid heating medium to the core, a pivoted clamp operable over the core, a tread plate, means on said clamp to urge said plate against the tread of a tire on said core, said plate having a rubber cushion on its tire engaging surface conformable to the shape of the tread of said tire, side plates, and a clamp embracing the core and adapted to urge both of said side plates against said tire on said core, each of said side plates having rubber tire engaging cushions thereon conformable to the shape of the sides of the tire.

1,630,816. CLUTCH MECHANISM. GEORGE WILCOX, Riverside, Calif., assignor to California Canning Machinery Co., a Corporation of California. Filed June 12, 1924. Serial No. 719,500. 4 Claims. (Cl. 192—25.)



1. In combination: a driving member rotatably disposed on a shaft; a driven member non-rotatably disposed on said shaft comprising a housing having a peripheral slot formed in the periphery thereof; an engagement member arranged to provide driving engagement between said driving and driven members comprising a cylindrical bar slidably and rotatably disposed within said driven member, and an operating arm extending from said cylindrical bar and through said slot and to the exterior of said driven member; and actuating mechanism comprising an actuating pawl for engaging the exterior extension of said operating arm of said engagement member, and a control bar for removing said pawl from said engagement with said operating arm of said engagement member for allowing said engagement member to move into engagement position.

1,630,817. LOOM SHUTTLE. GEORGE H. WILLARD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 28, 1926. Serial No. 125,335. 6 Claims. (Cl. 139—213.)

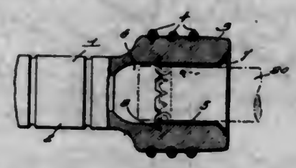


1. An automatic filling replenishing shuttle for looms having a bobbin chamber, a filling unwinding control member having its two ends secured to the shuttle body at the same side of the bobbin chamber, and forming an inwardly projecting bowed portion between the ends of the control member unobstructing automatic replenishment of filling and adapted to engage the unwinding filling near the tip end of the bobbin as the filling is withdrawn from the shuttle during weaving.

1,630,818. SULPHUR-BLACK DYE. OTTO ZELLER, East Aurora, and CLEMENS WALDMAN, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,438. 35 Claims. (Cl. 8—6.)

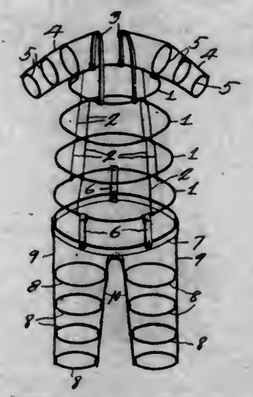
1. The method of stabilizing sulphur black dyestuffs, which comprises drying moist sulphur black dyes in admixture with proportions of alkali metal sulphide in excess of that which chemically combines at ordinary temperature with said dyes in the moist condition.

1,630,819. METHOD OF MAKING BOBBINS. JOHN NORMAN ANDERSON, Methuen, Mass. Filed June 26, 1926. Serial No. 118,615. 2 Claims. (Cl. 242—120.)



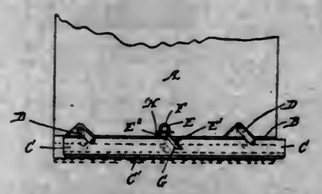
1. The method of making bobbins which consists in making a bobbin of soft material provided with a cylindrical hole in the butt end, in making a ferrule having a cylindrical body whose length at least equals its inside diameter to form a shield to protect the soft material of the bobbin butt, provided at one end with an outwardly-extended flange and at the other end with an inwardly-extending flange forming an annular shoulder, this flange being provided with a plurality of holding hooks located entirely within the outside diameter of the body and directed outwardly, placing the ferrule in the hole in the bobbin with its flange abutting the end of the bobbin, and then, while holding the ferrule in position in the bobbin butt, driving a cylindrical mandrel, fitting the ferrule into the same to cause the end of the mandrel to press against said annular shoulder and straighten out said flange and thus cause the hooks to penetrate the wall of the bobbin hole so as to leave the inside of the entire ferrule cylindrical to engage the spindle over a large area.

1,630,820. CLOTHES FORM. BUTLER BAKER, Haymarket, Va. Filed Aug. 25, 1925. Serial No. 52,343. 1 Claim. (Cl. 2—1.)



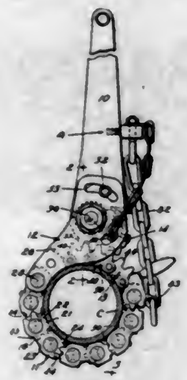
A garment form of the character described, and comprising a body section, a pants section detachably connected thereto, said body section and pants section being formed from a plurality of horizontally disposed annular members, flexible connections between the annular members, shoulder straps carried by the upper annular member, sleeve sections, said sleeve sections comprising a plurality of spaced annular members and flexible members connecting the shoulder straps and the sleeve section annular members all of said sleeve flexible members being in the same vertical plane.

1,630,821. DRAFT AND RAIN EXCLUDER ATTACHMENT FOR DOORS. REGINALD BASHAM, Onehunga, New Zealand. Filed June 9, 1924. Serial No. 718,887. 1 Claim. (Cl. 20—68.)



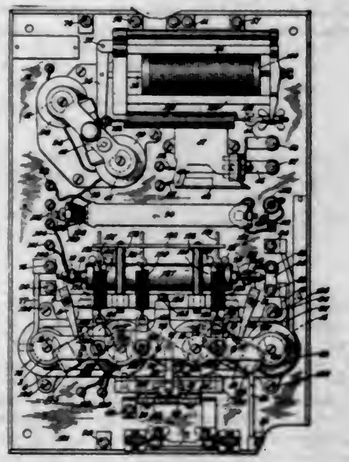
The combination, with a hinged door provided along its bottom edge with a rebate, of a solid batten disposed in the rebate with its outer face flush with the adjacent face of the door and capable both of rising-and-falling movement and of endwise movement, said batten having a central, inclined slot which opens through its upper edge and said door face having a recess which alines with said slot; parallel-motion link connections between the batten and the door; and a looped swing mounted in said door recess and having legs of unequal length, the longer leg projecting loosely into said slot; said spring also embodying a connecting bow between said legs which tends to spread them apart so as to normally hold the batten in raised position in said rebate with one end projecting axially through the corresponding end of the rebate and beyond the hinged edge of the door, said projecting end adapted to strike against the adjacent portion of the door jamb when the door is being closed, thereby to force the batten inward and downward in the rebate into engagement with the floor.

1,630,822. TONGS. WILLIAM L. BESSOLO, Clearwater, Calif. Filed Oct. 4, 1922. Serial No. 592,365. 7 Claims. (Cl. 81—67.)



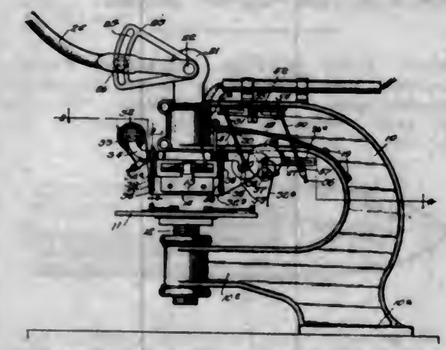
1. A tool of the character described including, an operating lever, a casing engaging mechanism, and means for operating said mechanism from the lever including a flexible rack connected with the casing engaging mechanism, an eccentric rack pivotally mounted on the lever, and a spring holding the eccentric rack in position to cooperate with the first mentioned rack to operate the casing engaging mechanism.

1,630,823. ELECTRICAL REGULATING APPARATUS. ELI J. BLAKE, Buffalo, N. Y., assignor, by mesne assignments, to Gould Car Lighting Corporation, New York, N. Y., a Corporation of Maryland. Filed Jan. 3, 1923. Serial No. 610,419. 18 Claims. (Cl. 171—229.)



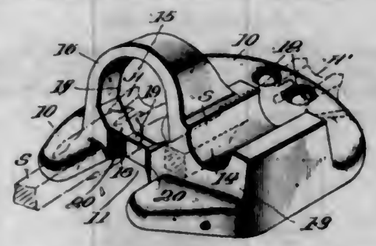
1. In an apparatus of the class described the combination of a compressible variable resistance, a magnet having two pole pieces, an armature therefor pivotally mounted between said pole pieces, means whereby said armature acts to vary said resistance, a current coil energizing said magnet to cause the armature to increase said resistance, and another current coil acting on said magnet to oppose the action of said first coil, said coils being wound on separate legs of said magnet.

1,630,824. STAMPING MACHINE. JACOB P. BOEHNER, Aurora, Ill. Filed Jan. 23, 1926. Serial No. 83,246. 2 Claims. (Cl. 41—7.)



1. A stamping machine of the character described comprising; a work supporting table; a vertically reciprocable head arranged above said work supporting table; means for attaching impression characters to said head; means for heating said impression characters; a strip of flexible marking material lying below said impression characters and adapted to be pressed down onto work on the work supporting table by said impression characters upon the lowering of said head; means for feeding said marking material along upon each operation of the head, said feeding means operated by movement of the head; and means for rendering said feeding means inoperative during movement of the head from a point immediately before the stamping operation to a point immediately after the same.

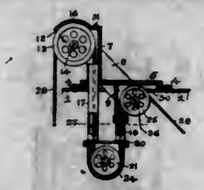
1,630,825. DRILL-ASSEMBLING UNIT. EDWARD J. BOWMAN, Anaconda, and JOHN S. MYHRE, Butte, Mont., assignors to Hawksworth Drill Company, Butte, Mont., a Corporation of Delaware. Filed Mar. 9, 1926. Serial No. 93,444. 4 Claims. (Cl. 29—89.)



1. A block for assembling and dismounting separable drills comprising a metal base plate, an integral metal arch formed with said plate and projecting therefrom, a closing wall at one end of said arch integral with said plate, said plate being cut away at the opposite end of said arch, and a projection on said plate forming in conjunction with one wall of said arch an open-ended groove, so that the head of a separable drill may be laid upon said base within said arch and the shank after detachment by a blow may move freely downward in said cut away portion, and so that a shank may be laid in said groove while a drill head is being driven thereonto.

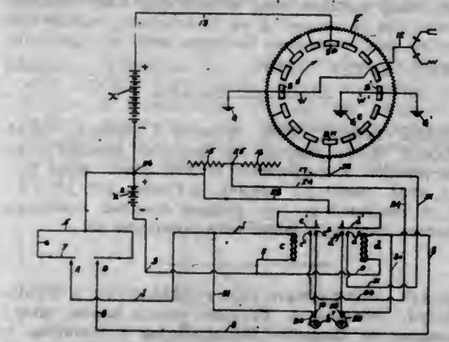
1,630,826. GAS-TIGHT CABLE SUPPORT FOR TANKS. STEPHEN H. BROOKS, Los Angeles, Calif., assignor to Brooks Engineering Corporation, Los Angeles, Calif., a Corporation of California. Filed Nov. 15, 1926. Serial No. 148,598. 7 Claims. (Cl. 220—85.)

1. In cable supports for tanks, a tank structure having an opening therethrough, a closure for the opening, a cable sheave mounted on the closure outside of the tank, a plurality of sheaves attached to the closure on the inside of the tank, an enclosed casing for the lowermost interior sheave, a plurality of vertical passageways con-



nected with the casing, a sealing medium in the casing and extending into the passageways, and a movable cable in engagement with the several sheaves one of said sheaves directing the cable through the sealing medium.

1,630,827. ALTERNATING-CURRENT TELEGRAPH SYSTEM. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed Apr. 28, 1924. Serial No. 709,349. 21 Claims. (Cl. 178—66.)

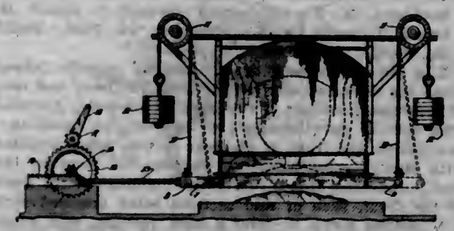


1. In a telegraph system, means for producing alternating current reversals of an approximately sine wave form from a direct current supply, and means for varying the amplitude of individual half cycles in phase with the alternating current frequency and employing impulses of different current values to produce signal elements.

1,630,828. COMPOSITION FOR STOPPING LEAKS. WILLIAM L. CAMPBELL, Spearfish, S. Dak. Filed May 7, 1926. Serial No. 107,469. 1 Claim. (Cl. 106—8.)

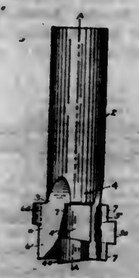
A composition adapted to be used for sealing leaks in automobile radiators or the like comprising a mixture of ginger, lime, sulphur, and gum arabic in substantially the proportions described.

1,630,829. POURING DEVICE FOR GLASS FURNACES. ARTHUR HOWE CARPENTER, La Grange, and PHILIP C. HUNTLEY, Riverside, Ill., assignors to The Vitrolite Company, Parkersburg, W. Va., a Corporation of West Virginia. Filed Dec. 10, 1925. Serial No. 74,631. 3 Claims. (Cl. 49—55.)



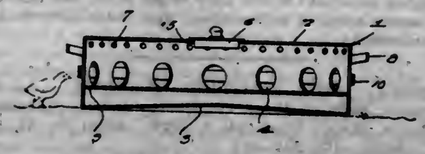
1. A glass furnace chamber having a short downwardly extending spout of comparatively large cross-sectional area, one side of the spout being inclined and the opposite side, at the upper end of the spout, extending inwardly to a vertical plane not far distant from the lower end of the first-mentioned side.

1,630,830. ROUTER BIT. RAY L. CARTER, Phoenix, N. Y. Filed Oct. 28, 1926. Serial No. 144,803. 8 Claims. (Cl. 144—240.)



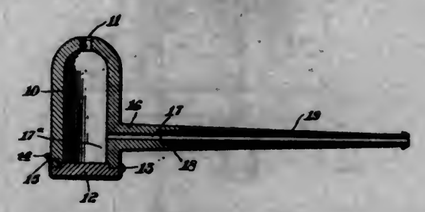
1. A routing tool formed at one end with longitudinal side cutting ribs, a portion of each rib being cut away for providing a relatively narrow cutting spur, the said spurs being arranged to cut in different planes sequentially, and the combined cutting range of the several spurs being substantially equal to the length of said ribs.

1,630,831. POULTRY-FEEDING DEVICE. CHARLES E. CLOWARD, Jr., Payson, Utah. Filed Oct. 26, 1925. Serial No. 64,901. 2 Claims. (Cl. 119—61.)



1. A poultry feeding device comprising a cylindrical receptacle provided with a series of spaced openings in the sides thereof, an annular guard flange arranged on the inner face of the sides of the receptacle at a point directly below said openings, means for reducing the size of said openings, said means comprising a band encircling the receptacle, said band being of a width slightly less than the diameter of said openings, and adapted to partially cover the openings, said band being adapted for vertical slidable movement.

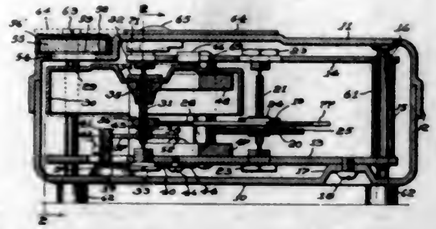
1,630,832. PIPE FOR SMOKING TOBACCO. CHARLES FOSTER CORBETT, Edmonton, Alberta, Canada. Filed May 9, 1925. Serial No. 29,130. 1 Claim. (Cl. 131—12.)



In a pipe for smoking tobacco, the combination of a bowl open at the lower end and formed with an arched top having a draft orifice therein, of a hingedly mounted airtight trap door for the open end adapted in closed position to hold tobacco in the bowl and when opened to permit access of the unburned tobacco remaining in the

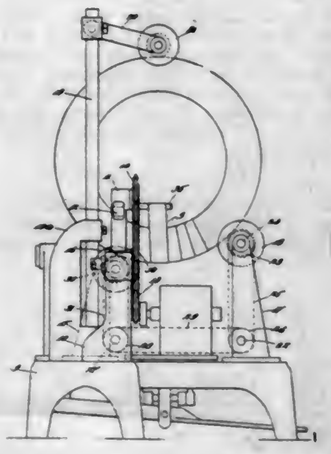
bowl, a stem opening in the side of the bowl spaced from the lower end to provide in combination with the trap door for said end, a receptacle therebetween for unburned tobacco, and retaining means carried by the bowl detachably associated with engaging means on the trap door.

1,630,833. INDICATING INSTRUMENT. CHARLES F. COWDREY, Fitchburg, Mass., assignor to Muther Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed July 9, 1925. Serial No. 42,443. 14 Claims. (Cl. 264—1.)



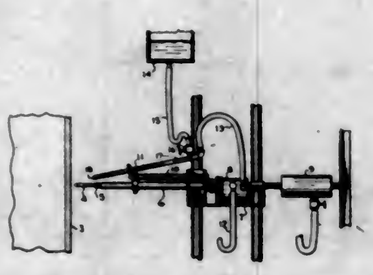
4. An instrument for testing the brakes of an automobile, comprising in combination, a casing, a pair of vertical shafts mounted in the casing in spaced relation, a weighted lever mounted upon each shaft to swing in a horizontal plane and each positioned to extend past the shaft of the other lever, spring means for normally holding each lever in abutting engagement with the shaft of the other lever, cooperating means for imparting the swinging movement of one lever to the other, and indicating means actuated by the levers to indicate their swinging movement.

1,630,834. TIRE-WRAPPING MACHINE. JASPER DERRY, Medford, Mass., assignor to Andrew Terkelsen, Boston, Mass. Filed Feb. 1, 1926. Serial No. 85,183. 5 Claims. (Cl. 242—6.)



1. In a wrapping machine for applying helical windings of a strip to annular articles of different sizes, in combination, an adjustably positioned rotatable shuttle carrying a strip to be wrapped around the article, and a plurality of fixed work supporting members located one above the other on opposite sides of said shuttle.

1,630,835. METHOD AND MEANS OF UTILIZING EXPANDING AIR. JOHN W. DOYLE, Seattle, Wash. Filed May 3, 1926. Serial No. 106,429. 4 Claims. (Cl. 77—5.)

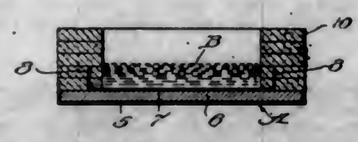


4. The method of cooling a driven tool and the material being operated upon by said tool which consists in conveying an expanding air in a suitable conduit and directing said expanding air upon said tool and said material to cool the same.

1,630,836. INSECTICIDE. WILLIAM A. DRUSHEL, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, a Corporation of New York. Filed Oct. 17, 1923. Serial No. 668,981. 2 Claims. (Cl. 167—6.)

1. A compound for the purpose specified, consisting of carbon disulphide mixed with cedar leaf oil.

1,630,837. CONTAINER FOR DISSIPATING A FUMIGANT. WILLIAM A. DRUSHEL, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, a Corporation of New York. Filed Feb. 25, 1926. Serial No. 90,504. 3 Claims. (Cl. 299—20.)

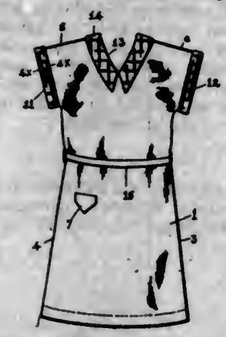


1. A container for liquid to be evaporated having a bottom impervious to said liquid and sides of absorbent material, and a ledge of impervious material extending upwardly from said bottom a short distance into said sides between and spaced apart from the inner and outer surfaces of the latter.

1,630,838. REVERSIBLE DRESS. BEULAH H. DRYER, Rochester, N. Y., assignor of one-half to Gerald H. Dryer, Rochester, N. Y. Filed Feb. 25, 1926. Serial No. 90,673. 2 Claims. (Cl. 2—74.)

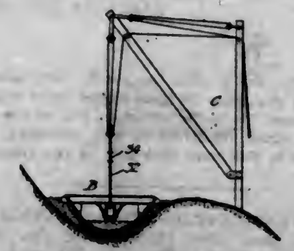
1. A dress composed of two similar sections joined along the sides and shoulders to form the front and rear of the dress, the front of the front section being provided with certain embellishments to improve its appearance and utility, the front of the rear section being provided with similar embellishments, whereby the front of the rear is converted into a substantial duplicate of the front of the front, each of said sections being provided with a V shaped notch to form a neck opening, said notch having the same appearance in both the front section and rear section, and a collar stitched to the edges of said

neck opening and adapted to hinge around said edges, said collar having the same appearance on each face thereof, all of said elements cooperating to permit said



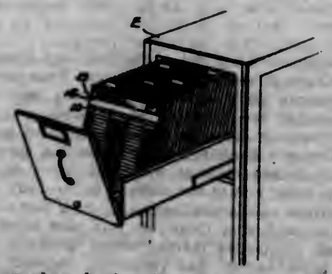
dress to be worn with either side out and to present the same appearance when turned inside out and half way around.

1,630,839. PROCESS OF LINING WATERCOURSES AND LINING THEREFOR. HARRY H. FISHER and WALTER B. RITTENHOUSE, Chicago, Ill., assignors to Byllesby Engineering and Management Corporation, Wilmington, Del., a Corporation of Delaware. Filed July 17, 1922. Serial No. 575,467. 13 Claims. (Cl. 61—14.)



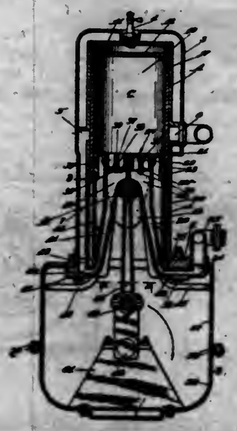
1. The process of lining water-courses which consists in constructing the lining in trough-shaped sections on mold-forms, detachably connecting said lining sections to said mold-forms whereby said mold-forms will provide means for lifting and handling said lining sections, depositing said lining sections together with the mold-forms to which they are secured in the water-course, backfilling behind said lining sections when in position, detaching the lining sections from the mold-forms, and removing said mold-forms.

1,630,840. ACCOUNT SYSTEM. WILLIAM M. FREDENBURG, Paso Robles, Calif. Filed Apr. 20, 1925. Serial No. 24,573. 2 Claims. (Cl. 129—16.7.)



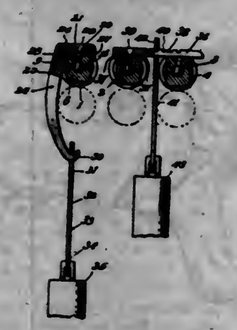
2. An envelope having front and rear walls and an open top, a U shaped band at the bottom of the envelope secured to the rear wall and free of the front wall to provide an exterior upwardly opening pocket and a second band adjacent the top of the envelope secured to the rear wall and extending across and free of the front wall to provide an exterior loop through which record sheets are adapted to be inserted from the top of the envelope into the pocket and co-operating with the pocket in removably holding the record sheets on the envelope.

1,630,841. DOUBLE-PISTON TWO-CYCLE ENGINE. OTIS ORA FUSCH, Bellflower, Calif. Filed Oct. 29, 1924. Serial No. 746,565. 7 Claims. (Cl. 123—50.)



3. An engine having a crank case, a cylinder supported thereon, a stationary piston having a closed head and side walls partially open from their lower edge, the stationary piston being supported on the lower edge of the side walls inside the cylinder, a sliding piston having bearing surfaces on the cylinder and the stationary piston, oppositely positioned skirts depending from the sliding piston into the openings in the side walls of the stationary piston, a wrist pin between the skirts, a crank in the crank case, a connecting rod between the crank and the wrist pin, ducts leading through the side wall portions of the stationary piston, valves in the head of the stationary piston connected to said ducts, a water jacket in the side wall portions of the stationary piston and inlet and exhaust ports in the cylinder for the moving piston.

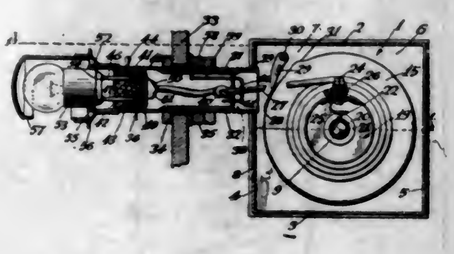
1,630,842. ARBOR FOR DRAFTING ROLLS. JAMES R. GRUBB, Abbeville, S. C. Filed Mar. 26, 1926. Serial No. 97,762. 3 Claims. (Cl. 19—142.)



1. An arbor of the class described having a lubricant containing bore therein, the arbor having an opening therein in communication with the bore and extending

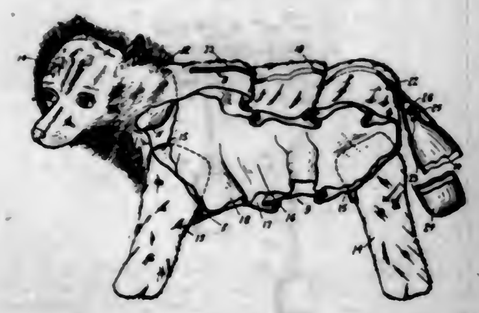
diametrically with respect to the arbor, and means for supplying a lubricant from the bore to the bearing surface of the arbor comprising a plug fitted in the said opening with its intermediate portion extending across the bore and having its end flush with the surface of the bore, the plug having a bore extending longitudinally thereof and a bore intersecting the first mentioned bore and communicating with the bore of the arbor, and a wick element extending within the said bores of the plug whereby to have one end presented at the outer end of the plug and the other end presented at the surface of the intermediate portion of the plug and within the bore of the arbor.

1,630,843. DASH AND TROUBLE LIGHT. ANDREW L. HALIN, San Gabriel, Calif. Filed Apr. 13, 1925. Serial No. 22,696. 4 Claims. (Cl. 240—8.14.)



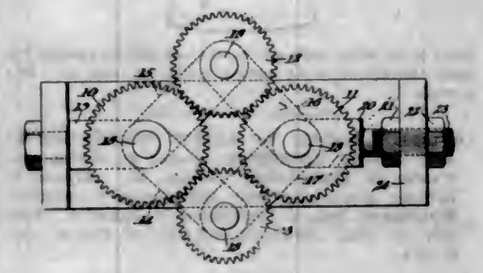
3. A dash and trouble light construction comprising a tubular support, means adapted to fasten said support to an instrument board with one end extending inwardly of said board, a box connected to the inner end of said support, a spring operated winding drum in the box, a lamp cord attached to the winding drum and extending through the tubular support, a portable lamp attached to the lamp cord, said lamp having a shank adapted to form a tight fit with the said tubular support, whereby the portable lamp may be drawn out to serve as a portable light and may be inserted in the tubular support to serve as a dash light, a circular spring casing having a stop on its periphery, a pawl adapted to engage said stop and means on the casing to prevent the engagement of said pawl with the said stop when the cord is quickly wound upon the drum.

1,630,844. VANITY HAND BAG. LYMAN D. HALL, New York, N. Y. Filed Feb. 10, 1927. Serial No. 167,185. 3 Claims. (Cl. 150—28.)



1. A hand-bag comprising an animal-shape in the form of a quadruped made of fur or fur-like material in hollow form and having fore legs and hind legs and head stuffed so as to be semi-solid and its midsection or body portion unstuffed and pliant, the mid-section being provided with an article receiving pocket adapted to be partially filled with articles placed therein to give the mid-section a natural appearance, the animal-shape being formed with fore legs and hind legs extended from the body and sufficiently spaced apart to embrace the arm of the user and thus prevent accidental displacement when the article is confined at its mid-section between the arm and the body of the user.

1,630,845. APPARATUS FOR FINISHING HIGH-GRADE GEARS. WILLIAM E. HOKE, Baltimore, Md. Filed Jan. 11, 1924. Serial No. 685,686. 8 Claims. (Cl. 51—26.)



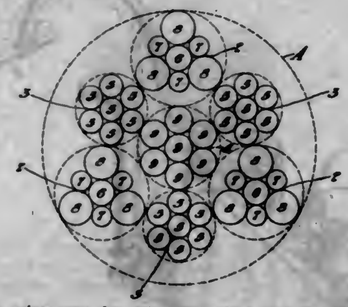
1. Apparatus for wearing in gears, comprising means for mounting the gears to form a gear train closed upon itself and means for bodily adjusting one of the elements of the gear train relatively to the adjoining gears in mesh with it to eliminate back-lash in the train.

1,630,846. LUBRICANT-DISPENSING DEVICE. EDWIN J. HOLST, Lake City, Minn. Filed Jan. 11, 1926. Serial No. 80,648. 2 Claims. (Cl. 221—47.)



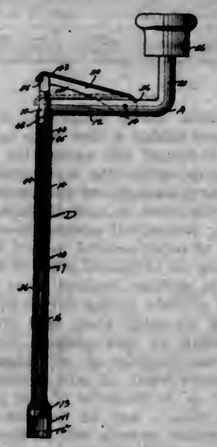
1. In a lubricating device of the character described, an elongated tubular body formed in two sections one thereof constituting an outer section and having means to receive or engage the outer end of the other or inner section, a removable cap upon the other end of said outer section having a discharge nozzle extending therefrom, a hand grip formed integral with said inner section adjacent the inner end of the same, a piston body normally housed within said outer section, a rack bar carried by said piston projecting therefrom into said inner section, and trigger controlled ratchet means pivotally mounted in said inner section and projecting through the wall thereof forwardly of the hand grip portion for engagement with and actuating of said rack bar, substantially as and for the purpose described.

1,630,847. MINE-SWEEPING ROPE. JAMES FORREST HOWE, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Nov. 5, 1925. Serial No. 66,975. 4 Claims. (Cl. 114—240.)



1. A wire rope for mine sweeping and the like operations, comprising a series of relatively large diameter strands, a series of relatively small diameter strands, and a core strand, said large diameter strands alternating with said small diameter strands and projecting materially beyond said small diameter strands to form cutting elements.

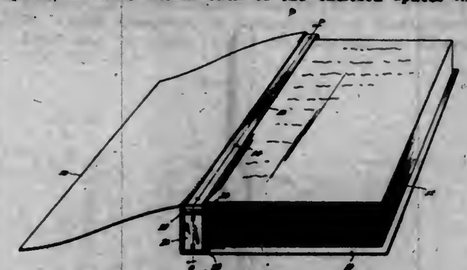
1,630,848. WRENCH. JOHN H. IVEY, Ponca City, Okla., assignor of one-half to Lory J. Mildren, Ponca City, Okla. Filed Mar. 6, 1926. Serial No. 92,847. 7 Claims. (Cl. 81—124.1.)



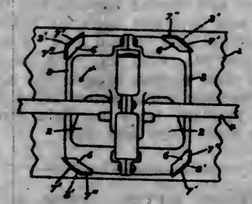
3. In a wrench the combination of a tubular wrench body having a socket at an end thereof, the tubular wrench body having a passageway therethrough, the wrench socket being aligned with said passageway and having an entrance opening at an end thereof aligning with the passageway, a plunger reciprocably mounted in the passageway of the tubular body, an extractor head connected with the plunger and operating in said wrench socket, spring means operating on the plunger to maintain the extractor head retracted into the inner end of the socket opposite the entrance end, and lever means pivoted on the wrench body and operating on the plunger to facilitate movement of the extractor head along said socket.

1,630,849. LOOSE-LEAF BINDER. HENRY B. JENNINGS, Jr., Leesburg, Va. Filed Nov. 6, 1926. Serial No. 146,782. 3 Claims. (Cl. 129—8.)

1. A loose leaf binder comprising complemental members provided with lose leaf securing means, one of the members having a body portion and opposite end portions bent laterally and rebent to provide enclosed spaces, a frame within each of the enclosed spaces including a flange which flange is disposed adjacent to and spaced from the body, and separable locking means housed within the said enclosed spaces and comprising cooperating elements carried by the respective members.

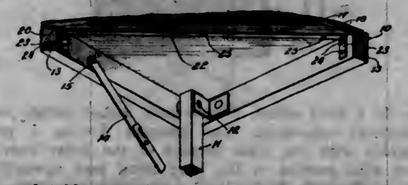


1,630,850. MEANS FOR FASTENING SEED DISTRIBUTORS TO METAL HOPPERS. HENRY D. JONES, Springfield, Ohio, assignor to The American Seeding Machine Company, Springfield, Ohio, a Corporation of Ohio. Filed May 10, 1926. Serial No. 107,960. 5 Claims. (Cl. 221—118.)



1. The combination, with a metal hopper bottom having an opening, and a feed distributor casing flanged at its upper end, of means for securing said distributor casing to the under side of said hopper bottom in line with said opening consisting of shelves formed on the under side of said hopper bottom about said opening arranged to be engaged by the flange of said casing by a partial rotation of said casing to secure the flange wholly to the lower surface of said hopper bottom.

1,630,851. CARD TABLE. AUGUST W. KOEHN, Oshkosh, Wis., assignor to The Dearborn Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1923. Serial No. 634,427. 1 Claim. (Cl. 45—31.)



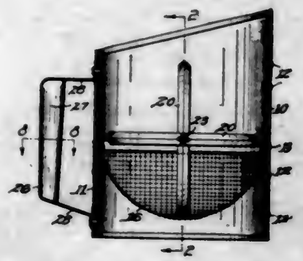
A card table comprising a polygonal frame, the upper face of which is provided with a surrounding shoulder, a top of the shape to conform to that of the frame, a cover drawn tightly over the surface of the top and around its edges and having the marginal edges thereof disposed upon the under side of the top, the marginal edges of said top being mounted on said shoulders, flat elongated straps each having downturned ends, the flat portion of each strap being secured to the under side of and across the corner of said top, and having its ends secured to the vertical faces of said frame, brackets secured adjacent each corner of said frame, and legs pivoted to said brackets to fold against the top.

1,630,852. PIN-WHEEL TOY. OTTO KUESTER, Detroit, Mich. Filed Sept. 11, 1925. Serial No. 55,723. 1 Claim. (Cl. 46—14.)



A toy of the class described comprising: a staff having one face cut away at one end for providing a beveled surface; a pin mounted in said staff, adjacent said end, at the base of said beveled surface, and projecting outwardly from said face and upwardly inclined relatively to the longitudinal axis of said staff; a propeller blade mounted on said pin, said pin being projected through said propeller blade midway between the ends thereof, at right angles thereto; and a washer mounted on said pin between said propeller blade and said staff for spacing said propeller blade from said staff.

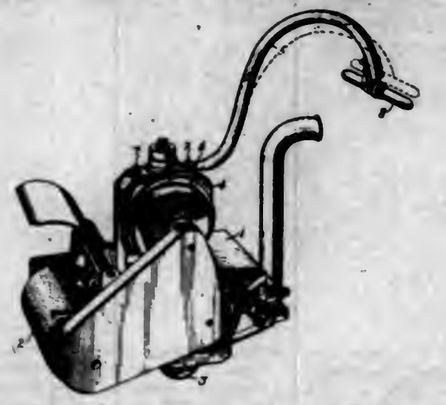
1,630,853. FLOUR SIFTER. PETER J. LEONARD and FRED J. CONNOR, Worcester, Mass., assignors, by mesne assignments, to The Chase National Bank of the City of New York, New York, N. Y. Filed Feb. 2, 1924. Serial No. 690,266. 2 Claims. (Cl. 209—278.)



1. In a flour sifter, a removable dished screen and a cylindrical supporting band therefor, having a rib to interlock with the inner surface of the sifter body, the lower edge portion of the band being bent upwardly to form a clamping flange, said screen being bent over the upper edge of said flange and between same and the body of said band, and the upper edge portion of said band being bent downwardly to engage the inner side of said screen and enclose the edge thereof, said folded band being substantially tangential to the main screen body.

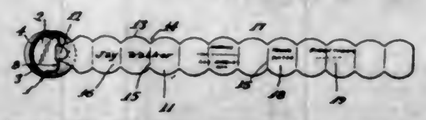
1,630,854. HANDLE FOR FLOOR-SURFACING MACHINES. RICHARD E. LEWIS, Chicago, Ill. Filed Sept. 28, 1925. Serial No. 58,988. 4 Claims. (Cl. 51—176.)

1. The combination with a floor-surfacing machine having a surfacing roller at the front end acting as a support and also as a traction member tending to move the machine ahead, of a handle extending rearwardly from said machine, said handle having a bowed spring section



so positioned therein that a pull on the handle tending to straighten the spring section produces a downward pressure on the roller.

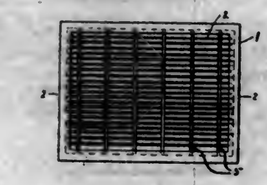
1,630,855. IDENTIFICATION BUTTON. JOHN A. MAHNK, Los Angeles, Calif. Filed Mar. 22, 1926. Serial No. 96,552. 1 Claim. (Cl. 40—1.5.)



An identification device comprising in combination a hollow receptacle having a base with an upstanding annular rim, a U-shaped bar having its ends secured to said rim at points within the same semi-circular portion thereof, said bar lying adjacent and substantially parallel to said base, the bend of said U-shaped bar extending in substantially diametrical relation to said identification device, a strip of paper secured to said bar, said strip of paper comprising an elongated piece of flat material and being formed in sections adapted to be folded one upon the other, said sections having curved edges and straight sides, the fold occurring along said straight sides, the longitudinal width of said sections being substantially smaller than the diameter of said identification device, and the transverse width of said sections being substantially the same as the diameter of said pin, whereby said sections when folded, may be inserted within said pin snugly, and arcuate pockets will be formed between the upstanding rim and the folded paper, a tab on one end of said paper adapted to be folded over said U-shaped bar, said tab being of a width equal to the radius of said identification button, a cover having a flange extending over said rim, and notches in said flange whereby said cover may be removed from said base, a pin secured to the base projecting substantially at right angles thereto, and a thumb piece adapted to be inserted over said pin to hold the identification button in place on a garment, said cover presenting a substantially concavo-convex surface, whereby said identification device may simulate a button.

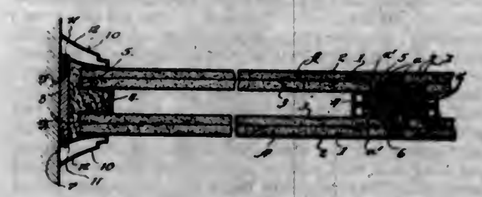
1,630,856. WIRE QUEEN EXCLUDER FOR BEEHIVES. GEORGE MARKLE, Brantford, Canada, assignor to The Ruddy Manufacturing Company, Limited, Brantford, Canada. Filed Mar. 17, 1927. Serial No. 176,145. 2 Claims. (Cl. 6—4.)

1. A queen excluder for bee hives comprising, a rectangular frame, a plurality of spaced apart wires extending thereacross and disposed parallel to two opposite marginal edges of the frame, the ends of each wire offset and imbedded in the frame, the wires lying in a common plane and forming a screen-like structure one face



of which is substantially flush with one face of the frame and the other face of which is depressed below the plane of the opposite face of the frame.

1,630,857. PLY-METAL PANEL AND WALL CONSTRUCTED OF THE SAME. GEORGE R. MEYERCORD, Chicago, Ill., assignor to Haskelite Manufacturing Corporation, a Corporation of New York. Filed Aug. 12, 1922. Serial No. 581,396. 6 Claims. (Cl. 189—34.)



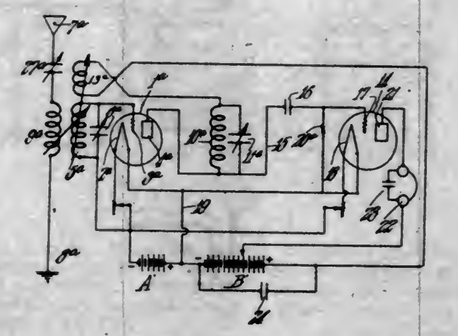
1. A panel composed of opposed metal-faced compound sheets held in spaced relation to each other by interposed spacing strips, said sheets being folded inwardly upon themselves at opposite sides.

1,630,858. CORNER FORMATION IN METAL-SHEATHED CONSTRUCTION MATERIAL. GEORGE RUDOLPH MEYERCORD, Chicago, Ill., assignor to Haskelite Manufacturing Corporation, a Corporation of New York. Filed Oct. 19, 1925. Serial No. 63,459. 2 Claims. (Cl. 20—92.)



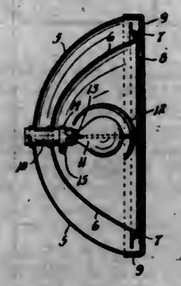
2. A structure comprising a metal-sheathed board bent to bring the parts thereof into two planes at an angle to each other with the metal facing outwardly, the body of the board being cut away to the metal-sheathing across a width sufficient to permit a strip of metal-sheathing thus exposed to be bent along the desired curve, and a filling piece fixed in the groove bounded by the inner surface of said strip of metal-sheathing and the bounding edges of the body portion of the board.

1,630,859. CIRCUIT SYSTEM FOR RADIOFREQUENCY CURRENTS. ROBERT S. MINER, West Hartford, Conn., assignor, by mesne assignments, of one-half to The C. D. Tuska Company, a Corporation of Connecticut. Filed Apr. 2, 1923. Serial No. 629,389. 4 Claims. (Cl. 250—20.)



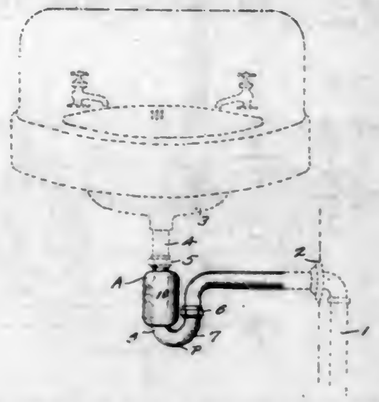
1. A circuit system for radio frequency currents comprising, a vacuum tube having a grid, plate and filament therein, a grid circuit therefor tuned to resonance including an inductance coil, a plate circuit therefor tuned to resonance including an inductance coil and a condeser in shunt therewith to furnish impedance of parallel resonance, said plate circuit also having a reverse feed back coil therein arranged in coupling relation to the coil in said grid circuit in a manner to oppose the effect of the inherent capacitative coupling between said grid and plate circuits, and a second vacuum tube having a grid, plate and filament therein and having its grid directly connected to the plate of said first tube through a condenser.

1,630,860. AUTOMOBILE HEADLIGHT. OSCAR NELSON, Breckenridge, Minn. Filed Oct. 2, 1924. Serial No. 741,127. 2 Claims. (Cl. 240—48.6.)



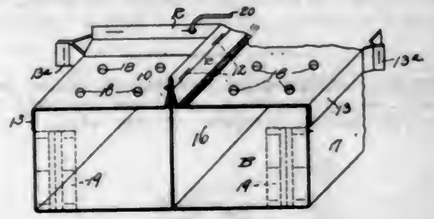
2. The combination with the reflector, lamp socket and lamp bulb of an automobile headlight, of an anti-glare device comprising a comparatively narrow substantially pear-shaped plate disposed over and in front of said bulb and curved substantially in the arc of a circle, said plate having its larger end of greater height and width than the diameter of said bulb and disposed centrally in front of said lamp bulb so as to entirely cover the bulb at the front, said plate terminating in front of said lamp socket, arms secured to the inner side of said plate and extending rearwardly at each side of said bulb, and a clamping ring to which said arms are connected adapted to be clamped on said lamp socket for holding the device in position.

1,630,861. SELF-SEALING TRAP. SCOTT OPDYKE, Billings, Mont. Filed Aug. 28, 1924. Serial No. 734,801. 2 Claims. (Cl. 182—12.)



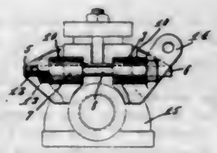
1. In combination, a water seal trap, a casing mounted about one member of the said trap, the trap having an opening therein adapted to communicate with the said casing, and a U-shaped tube connected to the trap having one end open within the casing, the said tube being adapted to act as a siphon to fill the trap.

1,630,862. SHIPPING CASE. JOSEPH W. PARKS, Altoona, Pa. Filed Nov. 15, 1923. Serial No. 674,946. 2 Claims. (Cl. 229—6.)



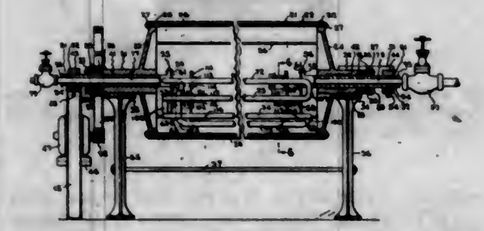
1. In a crate for shipping live chicks, the combination of a receptacle body having openings and a cover therefor, said cover comprising upstanding rib members crossing at the central portion thereof and providing interior grooves, and partitions of greater height than the side of the receptacle body adapted to engage in said grooves thereby to divide the receptacle into a plurality of compartments.

1,630,863. CLAMP. ALBERT D. PURTLE, Marietta, Ohio. Filed Oct. 2, 1924. Serial No. 741,271. 1 Claim. (Cl. 166—14.)



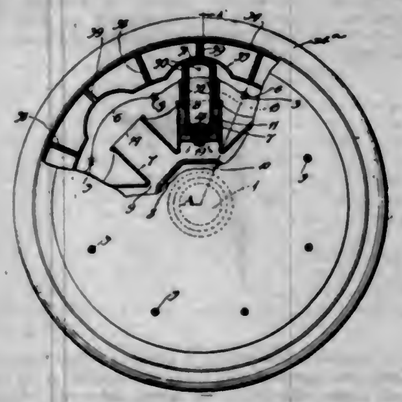
A casing head clamp including separable sections having curved cooperating edges adapted to fit around the curved surface of a casing head, said sections having upwardly extended integral fingers arranged adjacent to the curved surfaces to engage the straight portion of a casing head, lateral apertured ears, bolts extending through the ears for securing the clamp to a casing head, upwardly extended ears forming a part of one of the sections and having openings to receive a bolt for supporting a pump jack.

1,630,864. COOLING APPARATUS FOR CONGEALABLE SUBSTANCES. OSCAR C. SCHMIDT, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 12, 1924. Serial No. 725,636. 12 Claims. (Cl. 257—96.)



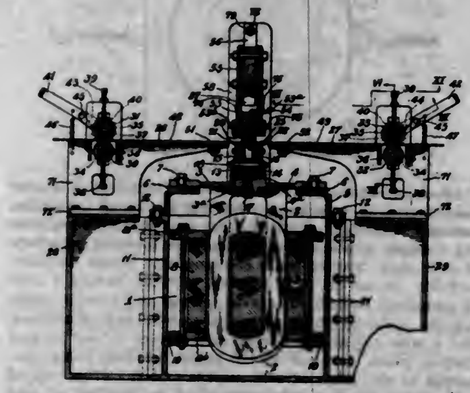
2. In cooling apparatus for congealable substances, the combination of a hollow roll, means for rotating the same, cooling piping in said roll having an inlet-extension and an outlet-extension, said extensions being substantially coincident with the axis of rotation of said roll, said piping between said inlet-extension and said outlet-extension being arranged in substantially horizontal loops, said loops located solely within the middle portion and the lower portion of said roll, and constructed and arranged for receiving a body of cooling fluid between said piping and the outer wall of said roll for abstracting heat from said wall by said body of cooling fluid and abstracting heat from the latter by said piping, means for feeding the substance to be congealed in liquid form against the outer periphery of said roll, and means for removing said substance in congealed form from said outer periphery.

1,630,865. RESILIENT WHEEL. ERNEST SCHULTZ, East Melbourne, Victoria, Australia. Filed Jan. 18, 1923, Serial No. 613,492, and in Australia Feb. 15, 1922. 13 Claims. (Cl. 152—28.)



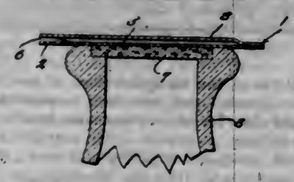
10. A resilient wheel consisting in the combination of a hub fitted with discs forming the wheel sides, the outer edges of the discs being turned inwardly towards each other and being fitted with rim members, the inner surface of each rim member being formed with concave surfaces, a tread ring concentrically of the discs and formed on its inner surface with concave surfaces, the said concave surfaces of the rim members and the tread ring being in radial alignment, air cylinders floating and radially disposed around the hub, air communication between each of the cylinders and an air piston pump in each of the cylinders, said pump comprising two piston elements, one a pump piston element with a suction valve and the other with a delivery valve communicating with the passage common to all the cylinders, a passage in the pumping piston element, a spring to assist the outward movement of the pumping piston member, and extensions on the piston members bearing respectively against the concave surfaces of the rim members of the discs and the tread ring substantially as described.

1,630,866. ELECTRIC BUTT-SEAM WELDING AND APPARATUS THEREFOR. FRANK L. SESSIONS, Lakewood, Ohio. Filed Nov. 5, 1925. Serial No. 67,063. 9 Claims. (Cl. 219—4.)



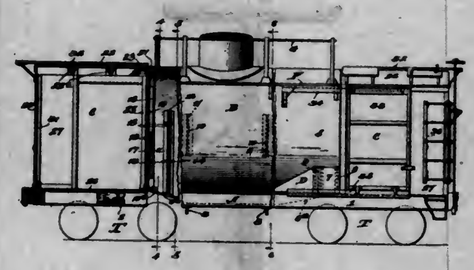
1. A method of welding together the contacting surfaces of an open butt-seam in metal which consists in pressing said contacting surfaces together, causing the metal adjacent to and upon opposite sides of the seam-cleft to contact with the respective opposite terminals of an electric welding circuit, applying localized pressure to said metal upon opposite sides of the seam-cleft to press small areas of the surfaces of said metal into good electrical contact with said terminals adjacent to the seam-cleft, and progressively traversing said localized pressure of the metal upon said terminals parallel and adjacent to the seam-cleft.

1,630,867. MILK-BOTTLE COVER AND RECEPTACLE. EDWARD D. SMITH, Erie, Pa. Filed Dec. 28, 1925. Serial No. 78,013. 3 Claims. (Cl. 215—51.)



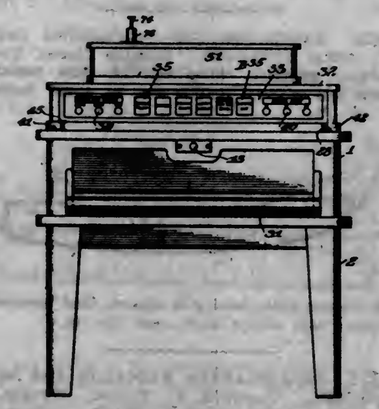
1. A device of the class described, comprising superposed disks connected by reduced bendable necks, one of the disks being of less diameter than a second of the disks, to form a reduced closure secured to the second disk, the third disk being secured to the second disk throughout a portion of its periphery to form a pocket having a reduced inlet opening.

1,630,868. FREIGHT-CAR CONSTRUCTION. LEWIS J. SPENCE, Brooklyn, N. Y. Filed Oct. 30, 1924. Serial No. 746,850. 12 Claims. (Cl. 105—359.)



1. A tank car including a tank of standard diameter having its longitudinal axis arranged lengthwise of the car and provided on the outside of its ends with supplemental cargo compartments of a height equal to the height of the tank.

1,630,869. GAME APPARATUS. HERMAN STEINMETZ, Rochester, N. Y., assignor to Bat-A-Peny Corporation, Rochester, N. Y. Filed Mar. 5, 1924. Serial No. 697,127. 16 Claims. (Cl. 273—89.)



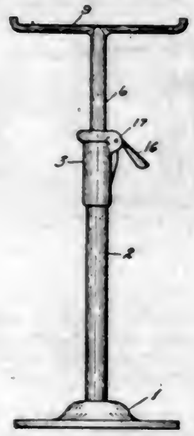
1. In a game apparatus, the combination with a playing field having electrically illuminated playing positions thereon including electric lamps, of switches in the circuits of said lamps and a projectile adapted to traverse the playing field and to subsequently gravitate to a position at which it will operate one of said switches, the latter forming a stop for the projectile.

16. A game comprising an alley, a chute under said alley to receive a ball from the same, ball-receiving pockets at the lower end of said chute having different counting values, and ball-actuated indicating means for disclosing into which pocket the ball enters.

1,630,870. DISPLAY STAND. CARL F. STRUNCK, Hendersonville, N. C. Filed Apr. 27, 1926. Serial No. 104,966. 3 Claims. (Cl. 211—24.)

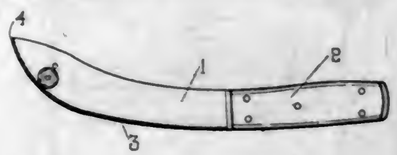
1. In a structure including a base, a tubular standard rising therefrom, and a casing member carried by the standard, a rod slidably mounted within the standard and extending through the casing member, said casing member having an inclined inner surface, a wedge slidably mounted within the casing member and having an inclined side coacting with said inclined surface whereby

to be crowded against the rod, an abutment element in the casing member, a spring engaging the abutment element and the wedge, and lever operated means slidable



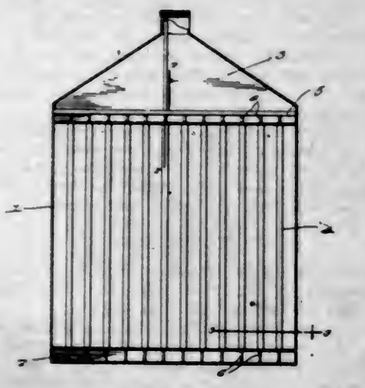
through the abutment member and connected with the wedge for moving the same out of engagement with the rod to permit movement of the latter.

1,630,871. KNIFE FOR USE IN FLAYING CATTLE AND LIKE PURPOSES. RICHARD HENRY TASKER, Liverpool, England. Filed Feb. 11, 1926, Serial No. 87,609, and in Great Britain Jan. 14, 1926. 8 Claims. (Cl. 17—21.)



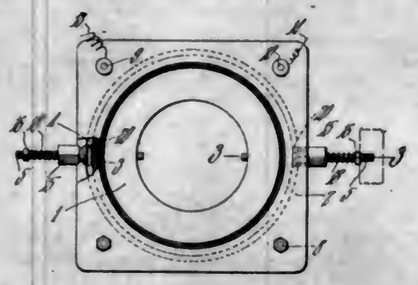
1. A flaying knife having a smooth stud mounted on the convex side of the blade near the tip.

1,630,872. SELF-THAWING RADIATOR FOR MOTOR VEHICLES. CLARENCE E. TAYLOR, Watseka, Ill. Filed Feb. 4, 1926. Serial No. 85,955. 1 Claim. (Cl. 257—129.)



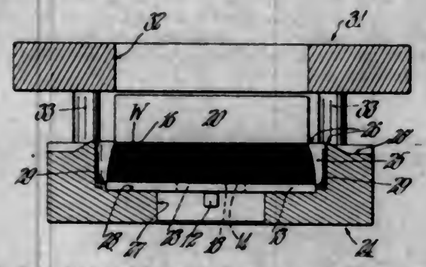
A radiator of the kind indicated having lower and upper water chambers, a header disposed in the upper water chamber and upright tubes interposed and effecting communication between said chambers and also having in the said tubes smaller tubes extending through the lower chamber and open at their lower ends to the atmosphere; the said comparatively small tubes being combined with and communicating with the interior of said header disposed in the upper chamber, and the said header being provided with an upright tube effecting communication between its interior and the upper portion of the interior of the upper chamber.

1,630,873. VARIOMETER. CLARENCE D. TUSKA, Hartford, Conn., assignor to The C. D. Tuska Company, Hartford, Conn., a Corporation of Connecticut. Filed June 17, 1922, Serial No. 569,082. Renewed Feb. 11, 1927. 12 Claims. (Cl. 171—119.)



12. In a device of the character described, a stator body including a pair of abutting blocks of insulating material with their abutting faces provided with registering notches, a stator winding on the internal periphery of said body, binding posts securing said blocks together, metallic sleeves in said notches, a rotor having a pair of trunnions journalled in said sleeves and a rotor winding the ends of which are connected to said trunnions, and a wire connecting one of said sleeves to one of said binding posts, one end of the stator winding being connected to the other of said sleeves and the other end of said stator winding being connected to another of said binding posts.

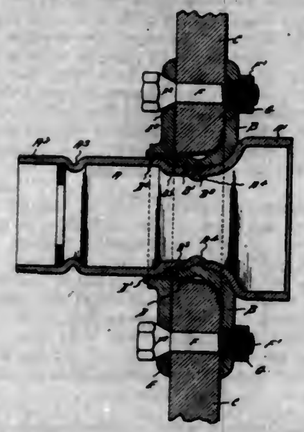
1,630,874. MOLD FOR VARIOMETERS. CLARENCE D. TUSKA, Hartford, Conn., assignor to The C. D. Tuska Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 8, 1923. Serial No. 623,816. 10 Claims. (Cl. 18—59.)



1. In a device of the class described, a mold for molding a holder around coil windings comprising, a core having a fixed shoulder and a removable shoulder between which the windings are placed on the mandrel and a mold having a mold cavity for receiving said core and for positioning the mandrel so that the windings are within the mold cavity.

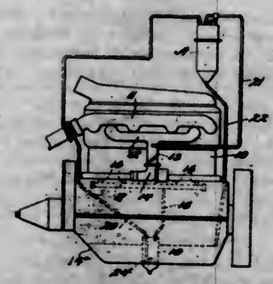
1,630,875. VEHICLE WHEEL. JAMES H. WAGENHORST, Jackson, Mich. Filed Aug. 19, 1921. Serial No. 493,508. 3 Claims. (Cl. 301—9.)

1. In a wheel the combination of an inner hub having an external bearing surface and a radially extending flange at the rear thereof, a set of spokes, a sheet metal liner sleeve engaging the inner ends of said spokes and shaped to fit the bearing surface of the hub, a front flange removably mounted on the hub and engaging the front surfaces of the spokes and a plurality of bolts passing



through the front flange and the spoke set and screwing into said hub flange said front flange and liner sleeve being connected whereby the liner sleeve and front flange hold the spokes in assembled relation upon the removal of the bolts to permit the demounting of the wheel.

1,630,876. OIL-PURIFYING APPARATUS FOR HYDROCARBON ENGINES. JAMES A. WATSON, Silver Spring, Md. Filed Apr. 13, 1925. Serial No. 22,791. 6 Claims. (Cl. 123—196.)



1. In an apparatus for purifying the oil in the lubricating system of a hydrocarbon engine, the combination with the engine having an oil supply reservoir, of a relatively small oil well separate from the reservoir, means for collecting the oil which drains from the engine cylinders and conveying the same to said well, a refining device, means for conveying the oil from the well to the refining device and means for returning the oil from the refining device to the reservoir, whereby oil draining from the cylinders is refined before its return to the reservoir.

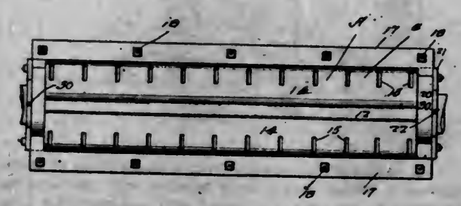
1,630,877. STAPLING TOOL. CHARLES J. WESTIN, Rockaway, N. J., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Mar. 10, 1924. Serial No. 698,052. 4 Claims. (Cl. 1—49.)

1. A stapling tool comprising means to hold a supply of staples, a staple-guide to receive and support a staple during a staple-driving operation, means to feed a staple to the staple-guide, a staple-driver, a hammer to impart driving force to the driver, means normally held in inoperative position for connecting said hammer and driver, and means for causing said last-mentioned means



to assume an operative position to cause said driver to be lifted with said hammer so that a staple may be fed beneath the driver into the staple-guide.

1,630,878. GAS BURNER. ALVA RAYMOND WILSON, Moline, Kans. Filed Aug. 27, 1926. Serial No. 131,945. 2 Claims. (Cl. 158—99.)

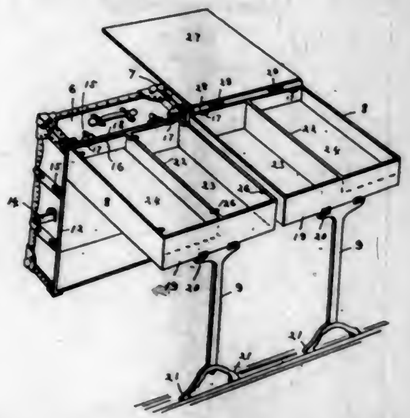


1. A gas burner of the class described including a drum formed in two sections, one section including a bottom, side walls rising from the bottom and end walls rising from the bottom, said end walls being provided with semi-cylindrical collars projecting outwardly, said side walls being provided with outwardly projected flanges, the other section including a top wall, side walls and end walls, the end walls being provided with semi-cylindrical collars complementary to the collars of the said one section and said side walls of said other section being provided with flanges, fastening elements piercing openings in the flanges for holding the sections together, stuffing boxes in the cylinders formed by the complementary collars, and a pipe extending through the stuffing boxes and through the drum and having openings therein.

1,630,879. JOBBER'S DISPLAY TRUNK. ALBERT W. WINSHIP, Utica, N. Y., assignor to W. W. Winship & Sons, Inc., Utica, N. Y., a Corporation. Filed Feb. 29, 1924. Serial No. 695,979. 9 Claims. (Cl. 190—16.)

1. In a jobber's display trunk, the combination of two open-faced trunk sections hinged to each other along adjacent vertical edges of the open face at one side and adapted to be closed together and form a complete trunk, a covered fray for each section fitting therewithin and of substantially the full interior size of said section and

hinged at its upper forward edge to the top forward edge of its section and adapted to be swung outwardly and up to a horizontal position level with the top of



the trunk and with the loose contents of the trays held therein and means for supporting the trays in extended position.

1,630,880. CABLE SPLICER. HOMER YATES, Regina, Saskatchewan, Canada. Filed Feb. 16, 1927. Serial No. 168,631. 4 Claims. (Cl. 24—126.)

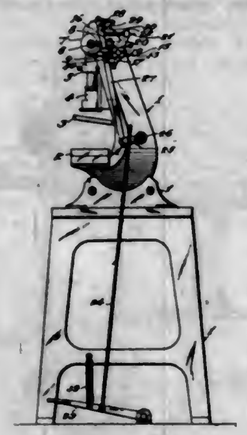


1. A cable splicer stamped from a single sheet of metal to form a trough shaped body member with curved sides and open at the ends, the top of said member being open wider at one end than at the other end and the sides being bent back outwardly to form guideways or flanges, a cover plate corresponding in formation to the opening in the body and formed with flanges adapted to slidably engage with said guideways, and lugs formed in the end of the cover plate adapted to be bent to lock the plate on the body.

1,630,881. MANUFACTURE OF FERRIC OXIDE. DEMETRIUS GEORGE ZALOCOSTAS, deceased, Sydney, New South Wales, Australia, by Andrianne Zalocostas, executrix, and John Velissaropulos, executor, Sydney, Australia. Filed Mar. 28, 1925, Serial No. 19,008, and in Australia Apr. 16, 1924. 1 Claim. (Cl. 23—200.)

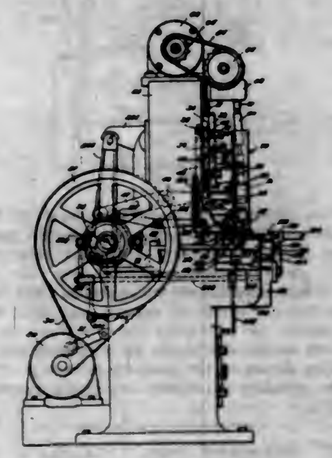
The herein described process of manufacturing ferric oxide from ferrous sulphate (heptahydrate) crystals, which consists in traversing a layer of ferrous sulphate crystals through a dehydrating chamber provided with gas burners arranged to project gas flames over the surface of the crystals, proportioning the heat so applied to the crystals to vaporize water of crystallization as rapidly as it is liberated therefrom, and to maintain a temperature above 64° C. in said chamber, educting the vapor as rapidly as it is formed, thereby producing a freely friable and substantially completely dehydrated product, grinding said product, submitting the ground product to oxidizing treatment, and finally roasting the dehydrated oxidized ground product.

1,630,882. CLUTCH-OPERATING MECHANISM FOR POWER PRESSES. EDMUND W. ZEH, Newark, N. J. Filed Aug. 29, 1925. Serial No. 53,239. 12 Claims. (Cl. 192—25.)



1. The combination with a power press having a clutch, and a throw-out for said clutch, of an operating member pivoted at one end and adapted to engage said throw-out, stops for positioning said member to engage different points of said throw-out, a spring for holding said operating member against either of said stops, and means for changing the direction of pull of said spring on said operating member to hold it in alternate positions, in one of which positions it will be automatically released from the throw-out by revolution of the press and in the other of said positions it will be unaffected by revolution of the press.

1,630,883. HINGE-MAKING MACHINE. WILHELM G. ALDEEN, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a Corporation of Delaware. Filed Mar. 10, 1924. Serial No. 698,336. 24 Claims. (Cl. 29—11.)



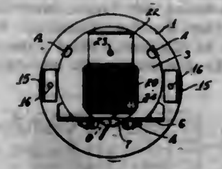
1. A machine of the class described having, in combination, a countersinking mechanism, a primary curling mechanism, a secondary curling mechanism, a support constituting a guideway for the work blanks, feeding means for advancing said work blanks along said guideway to be operated upon successively by said mechanisms,

a trimming mechanism, means for transferring said work blanks from said guideway to said trimming mechanism, a power shaft, and cam means on said shaft constructed and arranged to operate the different mechanisms in timed relation to each other whereby to perform a sequence of operations on said blanks.

12. A device of the class described having, in combination, a support, a pair of spaced guide blocks mounted on said support, said guide blocks constituting a guideway for a series of work blanks, a feed bar reciprocable between said guide blocks, a plurality of spring pressed feed fingers carried by said feed bar for advancing said work blanks along said guideway, and means for individually clamping said work blanks in position directly after each advance, said spring pressed fingers being adapted to slide beneath said work blanks in their rearward movement.

15. A machine of the character described having, in combination, a base, a pair of operating units for performing successive operations upon a work blank, a transfer mechanism for transferring said work blank from one unit to the other, said mechanism comprising a reciprocable and rotatable shaft, a transfer arm carried by said shaft, a pair of spring transfer fingers carried by said arm, means for revolving said shaft to oscillate said arm from one unit to the other, means for reciprocating said shaft to move said work blank into position in one unit, and to then shift said fingers out of engagement with said work blank, and a single power means for operating said units and said shifting mechanism in timed sequence.

1,630,884. ELECTRICAL INDICATING INSTRUMENT. JOS R. BARNHART, Lakewood, Ohio, assignor to Walter M. Scott, Lakewood, Ohio. Filed Mar. 8, 1922. Serial No. 542,176. 5 Claims. (Cl. 171—95.)



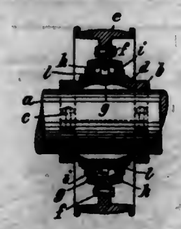
2. In an alternating current voltmeter or ammeter, the combination, with a solenoid, of a movable system mounted in operative relation to said solenoid, an armature carried by said movable system and arranged nearer one pole of said solenoid than the other, said armature being adapted to be attracted by said solenoid, and means for causing a higher concentration of the magnetic field on one side of said solenoid than on the other.

1,630,885. VARIABLE CONDENSER. JOE R. BARNHART, Lakewood, Ohio, assignor to Walter M. Scott, Lakewood, Ohio. Filed Apr. 9, 1924. Serial No. 705,181. 6 Claims. (Cl. 175—41.5.)



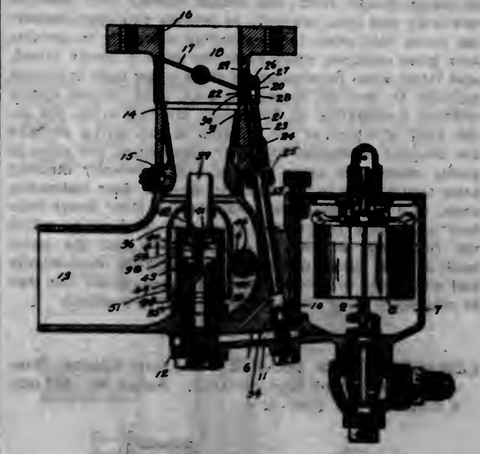
1. A variable condenser of the character set forth comprising a base of insulating material, a spacing element located adjacent each end of said base, a sheet of dielectric material positioned on said elements, a conductor plate located adjacent each end of said base, an eyelet securing each conductor plate and spacing element and dielectric sheet to said base, said dielectric sheet being provided with an aperture intermediate said conductor plates, and a conductor element interposed between said base and dielectric sheet and having a portion projecting through the aperture in said dielectric, said conductor element being rotatable about the axis of such projecting portion to vary the position of said element with respect to said conductor plates.

1,630,886. DRIVING WHEEL. ALBERT BEYER, Berlin, Germany. Filed Feb. 26, 1926, Serial No. 90,983, and in Germany Apr. 3, 1925. 5 Claims. (Cl. 64—98.)



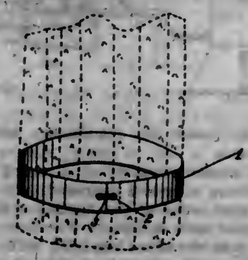
1. A driving wheel comprising a hub member having an outer spherical bearing surface, a rim member having an inner spherical bearing surface resting on said surface of said hub member and slotted, and a pin mounted in said hub member and projecting into the slot of said rim member with lost motion in any direction.

1,630,887. CARBURETOR. GEORGE M. BICKNELL, St. Louis, Mo. Filed Mar. 31, 1921. Serial No. 457,247. 1 Claim. (Cl. 261—41.)



In a carburetor comprising a casing having a float chamber, a mixing chamber, and an auxiliary chamber, said auxiliary chamber opening into the mixing chamber, a valve mounted in the mixing chamber, an adjustable idler tube provided with a plurality of discharge openings arranged circumferentially and longitudinally adjacent its upper end extending into the auxiliary chamber, and means for supplying fuel to said idler tube.

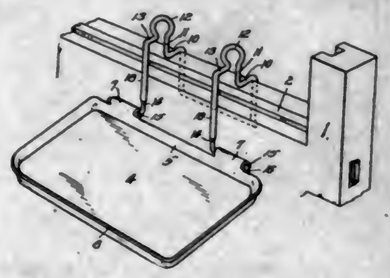
1,630,888. BAND FOR TYING VEGETABLES INTO BUNDLES. RALPH J. BROWN, Godfrey, Ill. Filed Apr. 30, 1926. Serial No. 105,681. 3 Claims. (Cl. 24—17.)



1. A band for tying moisture-exuding vegetables into bunches, and comprising a strip of pliant, flexible water-

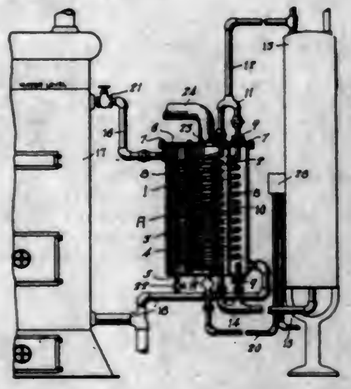
proof material adapted to encircle said bunch of vegetables, and means for yieldably holding said strip in place about said bunch and permitting expansion and contraction of the latter.

1,630,889. TRAY. ROBERT E. CLARKE, Jerseyville, Ill. Filed May 4, 1925. Serial No. 27,667. 2 Claims. (Cl. 45—51.)



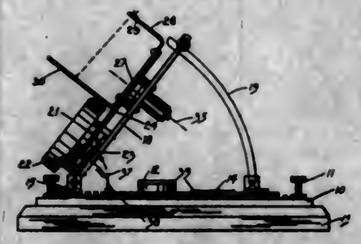
2. In combination with a service tray, a hanger bent at equal points from the center thereof and directed upwardly and then inwardly to provide two door embracing arms, said arms then extending upwardly to provide door glass engaging arms when the glass is partly raised, said latter arms terminating at their upper ends in curved sections to provide spring sections, said curved spring sections terminating in outwardly directed arms, the inner ends of which at the junction of the spring sections are adapted to engage the door glass when the glass is partly raised, the outer ends of said outwardly directed arms terminating in downwardly directed door embracing arms, said door embracing arms having their lower ends bent outwardly to provide hinge pin sections to which the rear edge of the tray is pivoted, and the outer ends of said hinge pin sections being bent downwardly and outwardly to provide L-shaped supports for the tray to rest upon when disposed in a serving position.

1,630,890. WATER HEATER. WILLIAM COATES, Newark, N. J. Filed Sept. 8, 1922. Serial No. 587,033. 2 Claims. (Cl. 122—32.)



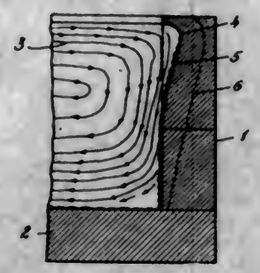
1. In a water heater, the combination with a boiler of a heating system, a coil to receive service water to be heated and a heater therefor, of a casing formed with two chambers one of which surrounds the other and is connected to said boiler of the heating system to permit hot water from said boiler to circulate therethrough, the other of said chambers receiving said coil and said heater, and a second coil independent of said first-mentioned coil mounted in said first-mentioned chamber and surrounding said second-mentioned chamber to receive service water, the water in said coils being directly heated by the heating medium in the corresponding one of said chambers and also indirectly heated by the other of said heating mediums when the latter is in operation, the outlet ends of said coils being connected to a common hot service water supply pipe.

1,630,891. CLOCK. WILLIAM ERNEST COOKE, Sydney, New South Wales, Australia. Filed Dec. 20, 1924, Serial No. 757,118, and in Australia Feb. 16, 1924. 11 Claims. (Cl. 33—62.)



9. A sun clock comprising a clock dial, clock hands for the dial, a gear train controlling the movements of the hands, a sun pointer mounted on a member of the gear train a day chart mounted on the sun pointer, there being a graph of the equation of time on the chart.

1,630,892. TANK BLOCK FOR GLASS FURNACES. JAMES L. CRAWFORD, St. Louis, Mo., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo., a Corporation of Missouri. Filed June 11, 1925. Serial No. 36,331. 3 Claims. (Cl. 49—54.)



1. A block for glass melting tanks having an outwardly inclined corrugated face.

1,630,893. RESILIENT MEMBER. WILLIAM W. DOTY, Staten Island, N. Y., assignor of one-half to Sidney Rosenbaum, New York, N. Y. Filed Nov. 3, 1922. Serial No. 598,721. 8 Claims. (Cl. 293—55.)



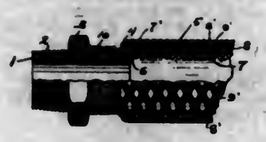
1. A resilient member comprising a strip of resilient metal with each end bent into a spiral and the intermediate portion adapted to receive a load, and supporting means therefor secured to the spiral ends substantially at the centers thereof.

1,630,894. IRONING PAD. CHARLES EDWIN HAMILTON, Van Nuis, Calif. Filed May 1, 1923. Serial No. 635,853. 2 Claims. (Cl. 68—9.)



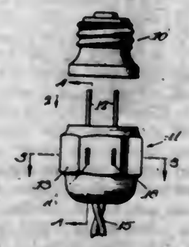
1. An ironing pad comprising a support composed of a plurality of adjacent resilient members, rigid retainer members carried thereby, and resilient and heat insulating members held therein to afford an ironing surface.

1,630,895. HOSE COUPLING. WILLIAM K. HERBST, Hillside, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co., a Corporation of New Jersey. Filed Aug. 30, 1922. Serial No. 585,125. 7 Claims. (Cl. 285—84.)



1. The combination of a coupling provided with an extension, a shoulder between said extension and the rest of said coupling, a flexible tube secured to said coupling and abutting said shoulder at one side thereof and means for securing said tube to said coupling on the other side of said shoulder, said means comprising wire braid, said means and the abutting end of said flexible tube being spaced apart longitudinally of the tube.

1,630,896. ATTACHMENT PLUG. WILLIAM HERSKOVITZ, Chicago, Ill., assignor to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 24, 1925. Serial No. 11,046. 2 Claims. (Cl. 173—334.)



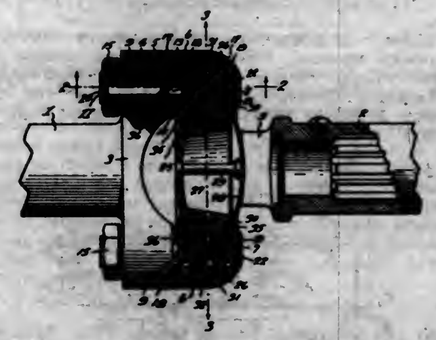
1. An extension cord attachment plug, comprising a body formed of non-conducting material and having a central opening extending lengthwise therethrough from end to end for the reception of the extension cord, and a pair of parallel slots which extend transversely of said central opening and open out through two sides of the body, there being one slot disposed at each side of said central opening, a pair of parallel contact fingers having attaching means for the extension cord, and secured to and projecting from one end of said body, and a pair of contact pieces in electrical contact with said contact fingers and extending into and in line with said slots in position for engagement at the sides of the body with the contact fingers of other attachment plugs.

1,630,897. CLOSURE FOR AUTOMOBILE RADIATORS AND THE LIKE. JEAN JACQUES and ADOLPH W. OSWALD, Philadelphia, Pa. Filed May 3, 1924, Serial No. 710,725. Renewed Mar. 17, 1926. 10 Claims. (Cl. 220—24.)



1. A closure for the inlet of an automobile radiator, gasoline tank or the like, affording a through passage, a plug valve interposed cross-wise of said passage, a back piece on the plug valve and a plate member formed with said back piece for externally covering the passage when the valve is closed.

1,630,898. UNIVERSAL JOINT. SAMUEL L. LAUGHLIN, Cleveland, Ohio, assignor to The Cleveland Universal Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 15, 1923. Serial No. 674,834. 4 Claims. (Cl. 64—102.)

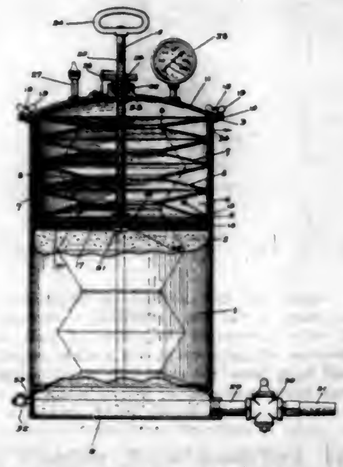


1. In a universal joint, the combination with a pair of hubs each having a pair of bearing blocks projecting therefrom, a connecting member having trunnions journaled in said bearing blocks, said connecting member having a main lubricant reservior and said bearing blocks having auxiliary lubricant reservoirs adapted to receive lubricant from said main reservoir by centrifugal action, there being a restricted passageway between the ends of said trunnions and the wall of said bearing blocks for preventing excess pressure from lubricant in said auxiliary reservoir.

1,630,899. PRESSURE-OPERATED GREASE DISPENSER. ERNEST E. LYNCH, Alameda, Calif. Filed Mar. 29, 1926. Serial No. 98,179. 2 Claims. (Cl. 221—47.1.)

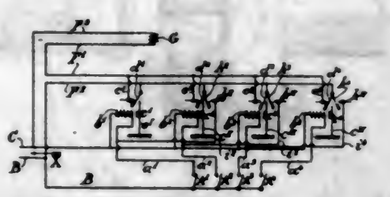
1. A grease dispenser of the class described, comprising a container forming a grease chamber, a valve-controlled discharge outlet for said grease chamber, a piston mounted in said container, a cap-plate for said container, an extensible-collapsible means in the form of a bellows mounted in said container between said cap-plate and said piston and forming an air-pressure chamber therebetween,

said extensible-collapsible means being coactively associated with said piston and adapted to normally extend itself to force said piston away from said cap-plate, a valvular means permitting the introduction of air under



pressure into said pressure chamber, a valve-controlled discharge outlet for said air-pressure chamber, and a check valve mounted in the lower end of said container to break the vacuum upon return movement of the piston.

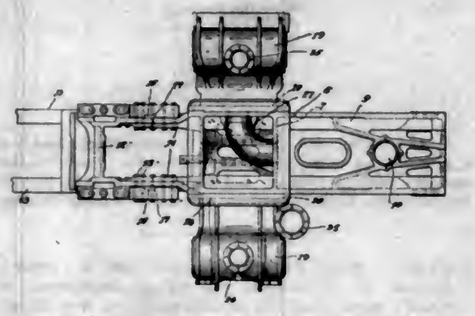
1,630,900. ELECTRICAL TRANSMISSION DEVICE. ARNOLD MICHOUD, Yverdon, Switzerland, assignor to the Firm: "Cibles Automatiques Michoud-Société Anonyme," Neuchatel, Switzerland. Filed Aug. 26, 1922, Serial No. 584,472, and in Switzerland Sept. 7, 1921. 5 Claims. (Cl. 177—380.)



1. An electrical apparatus for sending a variable number of impulses over an impulse circuit, comprising a series of electro-magnets, means including a contact device associated with each electro-magnet for momentary energization of each electro-magnet to cause an impulse to be sent over the impulse circuit and also including a second contact device associated with each of the aforesaid contact devices except that associated with the first magnet in the series to cause the momentary energization of the next adjacent electro-magnet of the series, and means for selectively causing the momentary energization of any magnet of the series whereby the number of impulses imparted to the impulse circuit depends upon the particular magnet in the series selected for energization by the last aforesaid means.

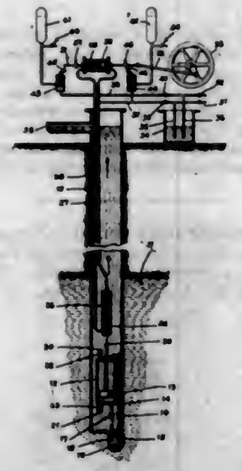
1,630,901. LOCOMOTIVE FRAME. JOHN E. MUHLFELD, Scarsdale, N. Y. Filed June 30, 1924. Serial No. 723,098. 14 Claims. (Cl. 105—44.)

1. As a new article of manufacture, a front frame for locomotives consisting of a one-piece integral casting including a body having side and end walls, parallel side frame members extending forwardly from said body, parallel extensions projecting rearwardly from said body



for connection with the rear frame of the locomotive, and a boiler seat saddle integral with the upper ends of said side and end walls of the frame body.

1,630,902. PUMPING SYSTEM. WILLIAM C. PARRISH, Port Arthur, Tex. Filed Apr. 16, 1924. Serial No. 706,798. 1 Claim. (Cl. 103—46.)

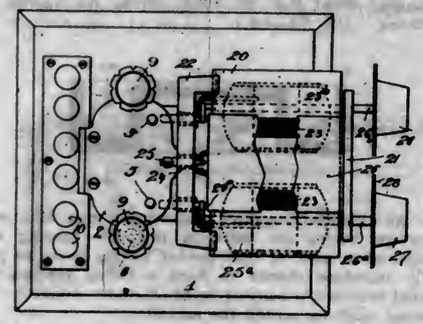


An apparatus for raising fluid in wells, a conduit extending into the well, a pump cylinder disposed in said conduit, an inlet pipe adapted to conduct the fluid to be raised to the pump cylinder, an outlet pipe arranged to conduct fluid from the pump cylinder to said conduit, an actuating cylinder disposed in said conduit, pistons in said cylinders and a piston rod connecting said pistons, a pair of pipes extending within said conduit and terminating at opposite ends of the actuating cylinder, to thereby deliver the actuating fluid thereto, and means for reciprocating the fluid in said pipes.

1,630,903. INDUCTANCE-COIL ATTACHMENT. HERBERT BROWN PEARSON, Brooklyn, N. Y., assignor to Ship Owners Radio Service, Inc., New York, N. Y., a Corporation of Washington. Filed Jan. 28, 1922. Serial No. 532,476. 2 Claims. (Cl. 171—119.)

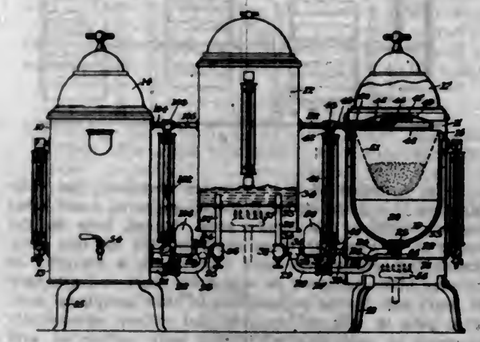
1. An inductance coil structure comprising a supporting body, a pair of spaced inductance coils supported thereby

on parallel axes, a fixed coil also supported by said body and positioned intermediate the inductance coils, and provided with portions inductively associated with said



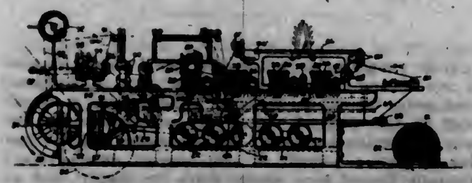
inductance coils, a block also carried by said body, and plug and jack terminals for all of said coils carried by said block.

1,630,904. COFFEE-URN APPARATUS. HENRY L. RECKARD, New York, N. Y., assignor to Sloss Perfect Coffee Maker, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 1, 1923. Serial No. 654,968. 6 Claims. (Cl. 53—3.)



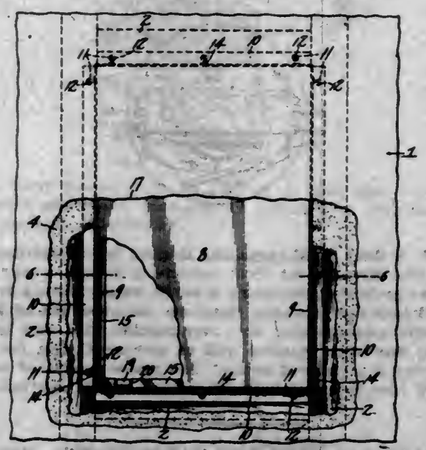
1. In a coffee urn apparatus and in combination with a coffee urn and an associated water heater, a coffee receptacle within the coffee urn, a pump, a connection from the coffee receptacle to the suction of the pump, a connection from the water heater to the suction of the pump, a connection from the discharge of the pump to the top of the coffee receptacle, and devices for actuating the pump whereby the pump is utilized to transfer a predetermined quantity of coffee from the coffee receptacle from the bottom to the top thereof and also to transfer a predetermined quantity of water from the lower end of the heater to the top of the coffee receptacle.

1,630,905. PRINTING PRESS. VERE LOCKSLEY REEVE, Ballarat, Victoria, Australia. Filed Sept. 28, 1921, Serial No. 503,879, and in Australia Oct. 15, 1820. 10 Claims. (Cl. 101—173.)



1. A printing press comprising two or more sets of printing cylinders, a reciprocating table supporting a plurality of forms, a number of inking sets for said printing cylinders, means for passing the paper to and from one printing set to the other, and a guide roller located between the printing sets, whereby when the table is reciprocated one or more impressions will be applied to different parts of the paper passing through the press, whereby when the paper has passed through the last printing set all of the different impressions will be arranged in correct registration thereon.

1,630,906. CONCEALED INCLOSURE. CHARLES B. RICKEN, Brooklyn, N. Y., assignor of one-half to Garry M. Ketcham, Brooklyn, N. Y. Filed Feb. 23, 1927. Serial No. 170,205. 2 Claims. (Cl. 4—173.)



1. The combination with a wall opening to contain bath tub fittings of a metallic frame composed of two rectangular elements, one of said elements having a band portion that fits said opening and extends out to the wall surface, and an outward flange that lies against and is secured to the wall studding, the other element having a band portion that fits within and is secured to the band portion of the first named element and also extends inwardly between the studding, said second named element having an inward flange that lies recessed below the wall surface, and a closure panel to be removably seated against said inward flange.

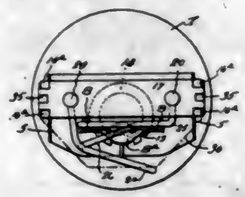
1,630,907. AUTOMATIC MEANS FOR RUNNING OFF LIQUID FROM CONTAINERS AT PREDETERMINED CONDITIONS OF TEMPERATURE. GEORGES GASTON ROYER, Paris, France. Filed May 8, 1925, Serial No. 28,871, and in France June 4, 1924. 10 Claims. (Cl. 137—34.3.)



1. In automatic means for running off liquid from a container at predetermined conditions of temperature, a hermetically closed tube filled with a material having a suitable coefficient of expansion, a plunger within the tube and projecting therefrom, a packing surrounding

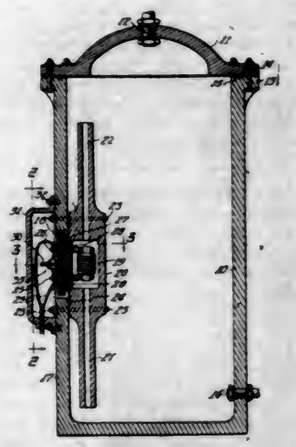
the plunger, a spring pressing against the plunger and the packing, a member adapted to close an outlet from said container, means for normally retaining said member in its closed position, and release means for said retaining means operated by the movement of the plunger at said predetermined temperature conditions.

1,630,908. ELECTRICAL MEASURING INSTRUMENT. WALTER M. SCOTT and RALEIGH E. TRESISE, Cleveland, Ohio. Original application filed Jan. 7, 1922, Serial No. 527,552. Divided and this application filed Feb. 8, 1924. Serial No. 691,385. 7 Claims. (Cl. 171—95.)



6. A sheet metal supporting member for an instrument of the character set forth comprising a base, a pair of arms projecting therefrom, a needle support struck from said base and extending therefrom, the outer end of said needle support being bent over parallel with said base, said base being provided with an aperture therein for receiving a permanent magnet, and means associated with said base for retaining said magnet in said aperture.

1,630,909. ELECTRIC WATER HEATER. ERNEST CHARLES STEERE, Sydney, New South Wales, Australia. Filed Nov. 19, 1925, Serial No. 69,981, and in Australia Dec. 16, 1924. 3 Claims. (Cl. 219—38.)



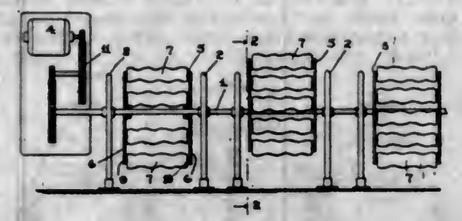
1. An electrical water heater, comprising a water container, a hollow casing mounted in said container, a heating element disposed within said casing, said casing having open tubular portions in communication with the container at opposite ends of the heating element whereby the latter is exposed to a continuous circulation of water passing through said casing, the relative disposition of said heating element and tubular portions being such as to provide a water column of high electrical resistance between the heating element and the ends of the casing.

1,630,910. ORNAMENTAL MANTEL. EMIL C. WEISSINGER, Milwaukee, Wis., assignor to Builders' Needs, Incorporated, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 27, 1925. Serial No. 71,769. 4 Claims. (Cl. 72—0.5.)



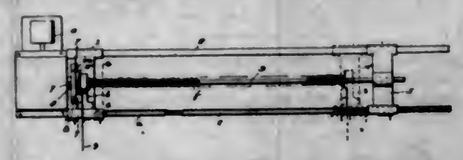
1. An ornamental mantel comprising a monolithic wall structure having an imitation fire-place opening and formed of a layer of lime mortar having particles partially embedded therein to form a facing representing jointed masonry, a backing layer of cinder concrete, and a metal reinforce within the mantel.

1,630,911. MASSAGE MACHINE. JERE L. WENTZ, Passaic, N. J. Filed Nov. 23, 1925. Serial No. 70,748. 3 Claims. (Cl. 128—57.)



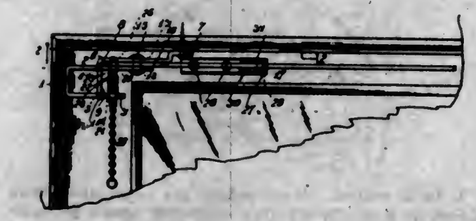
1. In a device of the character described, the combination of a plurality of U-shaped supports, hand holds thereon adjacent the upper ends thereof, bars on the supports, a rotatable drive shaft carried by said bars, means for rotating the said drive shaft, a plurality of circular plates mounted on said drive shaft and arranged in pairs and having perforations in their peripheral margins, pins in said perforations and rollers eccentrically mounted on said pins whereby a body resting on said rollers may be massaged thereby.

1,630,912. METHOD AND APPARATUS FOR MAKING EDGE-WOUND COILS. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Dec. 11, 1925. Serial No. 74,733. 10 Claims. (Cl. 153—64.5.)



1. In a machine for winding flat metal ribbons on edge, a core-bar and means for rotating the same, a die-support and means for moving the same along the bar, a die carried by said support and closely surrounding the bar, said die having a helically formed end, a die-plate having a portion secured to said support and having a helically formed horn spaced from the support and extending around the bar parallel with the helical end of said die, and removable means for drawing said horn toward said support.

1,630,913. SWING-SASH LATCHING FIXTURE. GEORGE G. WILBY, Chicago, Ill., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 15, 1924. Serial No. 732,161. 14 Claims. (Cl. 292—341.)



1. A swing-sash fixture including a wall-bracket adapted to be secured to a side-wall and the top wall of a window or door-casing at relatively widely separated points, a member pivotally secured at one end to said bracket between the points of its attachment to the casing, the pivotal axis of said member being substantially aligned with the points of attachment of the bracket to the casing, a spring-controlled latch element on said bracket normally interengaging therewith and selectively engaging with said member for holding the latter in predetermined positions relatively to the former, and means operatively engaging said member with the sash to thereby hold the latter in predetermined positions relatively to the casing.

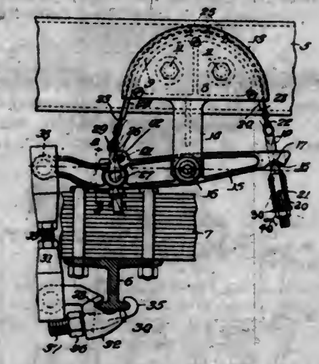
1,630,914. FOOT-RAIL CONTACTOR FOR ELECTRIC BURGLAR-ALARM SYSTEMS. JOHN PRITCHARD WILLIAMS, Bayside, N. Y., assignor to Duplex Electric Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 8, 1925. Serial No. 21,477. 9 Claims. (Cl. 200—52.)



1. A foot-rail contactor mechanism of the class described, comprising a body structure constituted by a housing having a top and a rear and end walls, supplementary casings or housings separately located and carried at the under side of said top wall, electrical contact means respectively carried by said separate casings or housings and an operating bar pivotally mounted within the body structure and extended longitudinally of said supplementary casings or housings and operative in its swing to actuate the respective contact means carried by said spaced supplementary casings or housings.

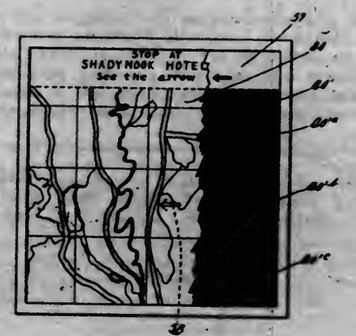
1,630,915. SHOCK ABSORBER. THERON H. WILLIAMS, Chicago, Ill. Filed Apr. 26, 1926. Serial No. 104,521. 19 Claims. (Cl. 188—129.)

15. A shock absorber adapted to retard the relative movement between two parts of a vehicle, comprising a rigid friction member on one of said parts, a friction band frictionally engaged between the ends with said member, a lever fulcrumed intermediate its ends and connected on opposite sides of the fulcrum with the respective ends of said band, said lever being so constructed and positioned that swinging movements thereof on its fulcrum will vary the friction between said band and said member to thereby control the relative movement between said vehicle parts, said lever being positively connected at



a point spaced from its fulcrum to the other of said parts whereby it is positively actuated by the relative movement of said parts.

1,630,916. CHART. FRANK WITTENBERG, Jr., Little Rock, Ark. Filed Jan. 25, 1926. Serial No. 83,549. 13 Claims. (Cl. 283—34.)



1. In a chart, a sheet of transparent material, basic designations on the face of said sheet and color designations at the back of such sheet and arranged to underlie and modify basic designations on the face thereof.

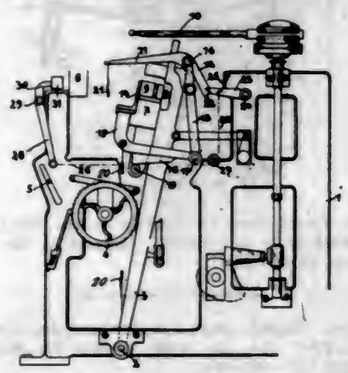
1,630,917. DISPLAY DEVICE. HARRY D. ANDREWS, Cincinnati, Ohio. Filed Apr. 13, 1926. Serial No. 101,768. 2 Claims. (Cl. 40—1.6.)



1. A device of the character described comprising a bar having a slot, a plate carried by the bar, a display element, a stem carried by the display element, said bar

having an opening in which the stem is slidably and rotatably fitted, the upper edge of the display element being engaged with the slot of the bar, spring means co-operable with the stem for engaging the display element and the slot, said spring and said stem being concealed by said plate.

1,630,918. SHUTTLE-CHANGING DEVICE FOR LOOMS. FRIEDRICH ANINGER, Markt Triebendorf, Czechoslovakia. Filed Dec. 22, 1923, Serial No. 682,263, and in Germany Oct. 29, 1923. 8 Claims. (Cl. 139—234.)



1. In a shuttle-changing mechanism, a lay provided with a shuttle-box comprising a movable front wall, and means for rocking the lay, in combination with means for imparting to said front wall a rocking movement away from and toward the shuttle-box and a simultaneous respectively downward and upward shifting movement.

1,630,919. HANGER FOR WALL RADIATORS. WILLIAM F. BACH, Cleveland Heights, Ohio. Filed Dec. 9, 1925. Serial No. 74,328. 1 Claim. (Cl. 248—17.)



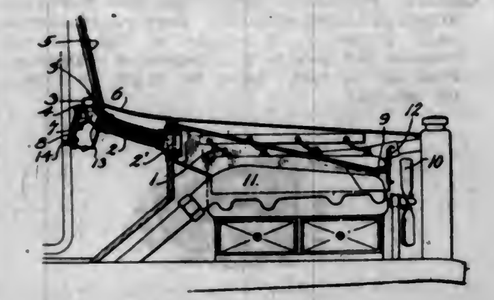
A wall radiator hanger comprising a body attachable to a wall and having a substantially reverse S-shaped lower portion, said portion having vertically alined bolt holes, the lower arm of said portion projecting forwardly and having a hole with a slot opening through the adjacent front edge of said arm, a shoe having a barrel vertically slidable through the lower hole, a bolt passing through the holes and barrel, means for vertically adjusting the shoe, and a forwardly extending blade carried by the barrel and projecting through said slot.

1,630,920. RESILIENT WHEEL FOR BICYCLES. LOUIS BALOGH, Niagara Falls, Ontario, Canada, assignor of one-fourth to Josef Katona, one-eighth to Imre Pacosdi, and one-eighth to Ilona Pacosdi, Niagara Falls, Canada. Filed Jan. 22, 1926. Serial No. 83,018. 2 Claims. (Cl. 152—50.)



1. In a resilient bicycle wheel, the combination with a rim, of a hub, a plurality of arched spokes pivotally mounted at their inner ends on said hub and secured at their outer ends to said rim, a plurality of resilient separating means comprising cylindrical spring members disposed between and secured to adjacent pairs of said spokes, and a plurality of resilient supporting means comprising coil springs attached at one end to said rim, said coil springs being inclined relative to said spokes and engaging the latter for absorbing impact received by said spokes from road shock.

1,630,921. WINDSHIELD CLEANER. JESSE C. BIBELY, New Oxford, Pa., assignor of one-half to A. R. Brodbeck, Hanover, Pa. Filed Mar. 12, 1926. Serial No. 94,307. 1 Claim. (Cl. 20—40.5.)

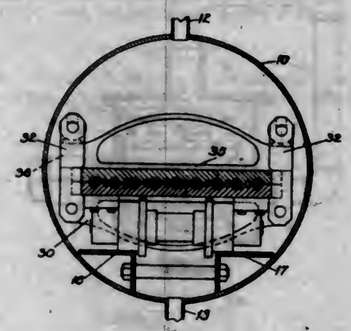


In a windshield cleaner and heater for automobiles provided with an inwardly and upwardly sloping windshield with respect to the passenger space, a distributing nozzle connected to the source of heat on one end and terminating at the other on the inside of the windshield and at the bottom thereof to provide an impingement of the heated air outside the area of vision and a distribution of the same over the entire depth of the windshield.

1,630,922. APPARATUS FOR THE MANUFACTURE OF ELECTRIC WIRES. HARRY B. BURLEY, Brookline, Mass., assignor to Boston Insulated Wire & Cable Company, a Corporation of Massachusetts. Filed Feb. 6, 1922. Serial No. 534,628. 4 Claims. (Cl. 18—17.)

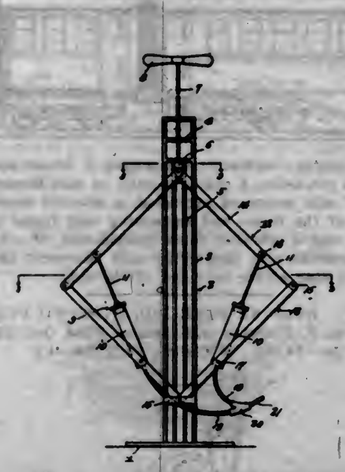
1. An apparatus for the vulcanization of the rubber insulation of rubber covered electric wire comprising a plate having a plurality of longitudinal grooves on its face for receiving rubber covered wire of predetermined lengths, means near the end of the plates for fastening said wires, a series of wheeled trucks supporting said plate, a series of clamping elements disposed in pairs on opposite sides of said plate and pivotally attached

thereto, a series of fixed guides disposed in pairs on opposite sides of the plate, a cooperating plate having corresponding longitudinal grooves on its abutting face,



and cross members attached to the outer face of said second plate cooperating with the clamping members for clamping the plates together.

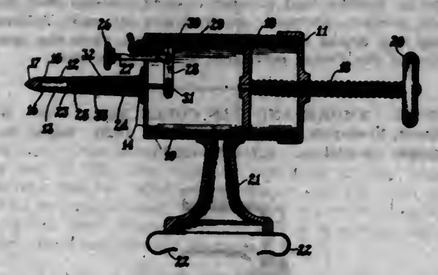
1,630,923. PNEUMATIC-TIRE PUMP. ERNEST RICHARD CARSON, Denver, Colo. Filed Dec. 17, 1926. Serial No. 155,456. 3 Claims. (Cl. 230—27.)



1. In an air pump of the class described, a base, a standard rising from said base, said standard being composed of a pair of vertically extending spaced parallel frames, a guide track extending vertically between said frames and connected thereto, a slide mounted upon said track, an operating rod for said slide, a handle carried by said rod, a pump including a cylinder and a piston slidable therein, an operating connection for said pump connected with said slide, said operating connection comprising leverage multiplying linkage connected with said slide and with said pump.

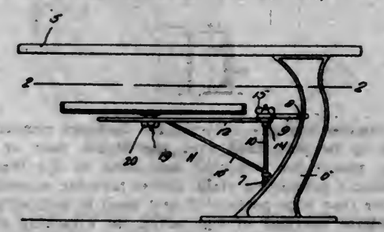
1,630,924. PASTRY-CREAM FILLING DEVICE. CHARLES CIESLAK, Milwaukee, Wis. Filed Jan. 2, 1926. Serial No. 78,750. 2 Claims. (Cl. 107—1.)

1. A device of the class described used for filling cream puffs, comprising a container and a conical spout, having radial outlets, projecting axially therefrom, means in the container for ejecting the cream into the puff, a conical valve fitting within the spout for controlling the flow



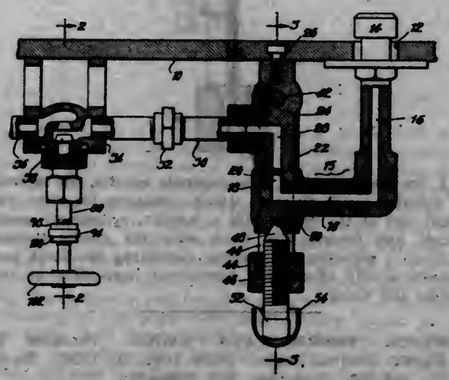
of cream, means for adjusting the valve, and means for agitating the cream to prevent caking before passing through the valve.

1,630,925. GARMENT TRAY FOR IRONING BOARDS. JOHN R. CLOVER, Enid, Okla. Filed Jan. 23, 1926. Serial No. 83,243. 3 Claims. (Cl. 68—10.)



1. In a garment supporting device for an ironing table, wherein the latter includes a board, and a supporting pedestal, a substantially triangular shaped frame arranged beneath the board, and comprising a horizontal arm, a vertical rod, and a brace extending between the arm and the rod, said vertical rod being pivotally supported on the pedestal whereby the frame is adapted to be swung in a horizontal plane, and a tray supported on the horizontal arm of the supporting frame.

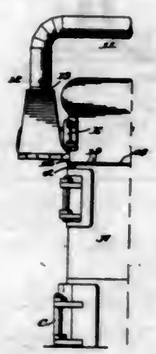
1,630,926. SAFETY DEVICE FOR BURNERS. SIGVALD DAHL, Myrvall Pr. Oslo, Norway, assignor of one-half to Harold Carlsen, Brooklyn, N. Y. Filed Apr. 8, 1925. Serial No. 21,564. 2 Claims. (Cl. 158—2.)



1. In combination with a burner, a pipe for supplying fuel thereto, means for detachably holding the burner in communication with said pipe, a valve in said pipe

having a movable valve stem, a shaft arranged to be actuated by said valve stem, a member loosely pivoted on said shaft and having a guard portion, a latch for normally holding said member in such position that the guard portion prevents manipulation of said holding means and means for tripping said latch upon the completion of the closing movement of said valve stem.

1,630,927. SMOKE AND GAS COLLECTOR. JOHN W. EBERT, Frederick, Md. Filed Mar. 6, 1926. Serial No. 92,854. 3 Claims. (Cl. 126—242.)



1. A smoke and gas collector for furnaces comprising a hood to be positioned over the stoker door of the furnace, means for attaching said hood to the furnace comprising a supporting strip, means movably connecting the lower rear edge portion of said hood to said strip at intermediate portions of the latter, an attaching strap adapted to encircle said furnace and adjustably connected to the end portions of said supporting strip.

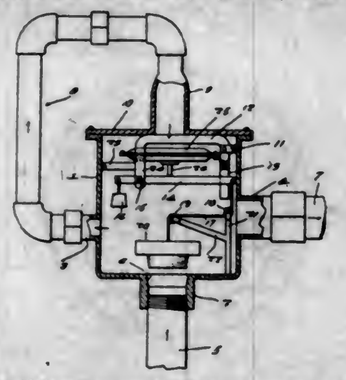
1,630,928. HYPODERMIC SYRINGE AND NEEDLE THEREFOR. SAMUEL JAMES EVERETT, Thornton Heath, England. Filed Apr. 19, 1926, Serial No. 102,991, and in Great Britain Apr. 30, 1925. 3 Claims. (Cl. 128—221.)



1. In the production of hypodermic needles, the method of forming heads thereon, which comprises inserting the blunt end of the needle into a tubular, cylindrical metal blank, and forcing the blank with the needle therein through a reducing die, thereby elongating the blank and simultaneously effecting a permanent connection of the needle and blank.

1,630,929. THERMOSTATIC VALVE. HILARION S. FAHEY, Grafton, Mass. Filed June 11, 1926. Serial No. 115,267. 2 Claims. (Cl. 236—42.)

1. In a thermostatic valve of the class described, a casing provided with a valve seat, a gravity lowered valve cooperable with said seat, a standard supported in the casing adjacent said valve, an arm carried by said standard, pulleys mounted on the upper end of the standard and the outer end of said arm, a pivotally mounted counter-balanced lever supported above the valve and standard, a flexible operating connection between one end of the lever and said valve and a thermostat supported above said lever for operating it at a predetermined time.



1,630,930. TRACTOR LOCOMOTIVE. ALBERT E. FELLERS, Detroit, Mich. Filed June 28, 1926. Serial No. 119,000. 16 Claims. (Cl. 105—35.)



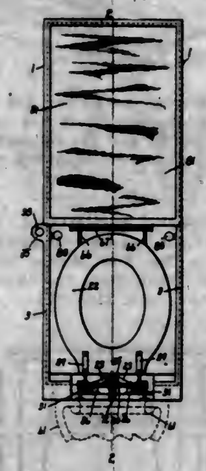
1. A tractor locomotive comprising a frame having a rearward extension, a cab supported on said frame in advance of said rearward extension, a wheeled truck independent of the frame and supporting said frame beneath the cab, and a wheeled truck independent of said rearward extension and supporting said rearward extension wholly in rear of the rear end of the cab.

1,630,931. BELT SHIFTER FOR STEPPED PULLEYS. MICHAEL J. FLEMING, Ely, Minn. Filed Oct. 23, 1925. Serial No. 64,384. 3 Claims. (Cl. 64—4.)



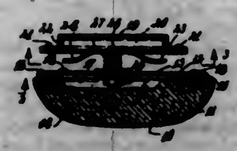
3. In a belt shifting means for a stepped pulley, a shaft arranged adjacent to the pulley, a sleeve on said shaft and movable about and rectilinearly of the shaft, an arm carried by said sleeve and having a belt receiver, a hand lever fixed to the sleeve, a stationary abutment, spring means for cooperating with said abutment and with said sleeve to thrust the latter endwise in one direction, and a rack inclined correspondingly to the taper of the stepped pulley and having spaced keeper portions.

1,630,932. TOILET. ERNEST G. FRIEDRICH, Cincinnati, Ohio. Filed Aug. 30, 1926. Serial No. 132,417. 8 Claims. (Cl. 4—233.)



1. A toilet of the character described, comprising a seat, capable of upward and downward movement, a receptacle, into which said seat passes in its upward movement, and means for flushing said seat on both sides thereof, and means for drying the same while said seat is in said receptacle.

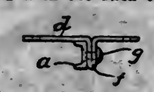
1,630,933. TRUSS FOR RUPTURE. SOLOMON FUTERMAN, Brooklyn, N. Y. Filed Sept. 17, 1926. Serial No. 136,021. 2 Claims. (Cl. 128—112.)



1. In a truss, the combination with a truss-pad, of a flat member adjustably securable thereto, an extended portion from the flat member being bent outwardly from the truss-pad, threaded members extending upwardly from the flat member, an attaching member having upper extended elements, set screws positioned between the attaching member and the upper extended elements, and threadedly engaged to the threaded members, and means associated with the attaching member for engaging a belt customarily used with truss devices.

1,630,934. SUPPORT FOR GUTTER-HANGER CIRCLES. GEORGE B. GEISER, Philadelphia, Pa., assignor to Berger Bros. Company, a Corporation of Pennsylvania. Filed Jan. 27, 1925. Serial No. 5,030. 1 Claim. (Cl. 108—29.)

A support for a gutter hanger, comprising a plate having a base, a two ply flange extending laterally therefrom between its ends, there being securing openings through the base at each side of the flange, for the reception of fastening means for securing the base of the plate against a supporting surface, said flange being formed by doubling the intermediate portions of the plate, and a gutter circle supporting stem of channel cross section secured with the back of its web against a



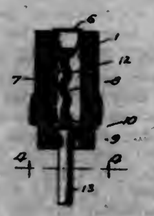
side face of the flange by securing means passing through the web of the stem and the two plies of the flange, whereby the two plies of the flange and the stem are drawn in close contact, one flange of the stem extending along the base, whereby the stem is held against movement about the securing means.

1,630,935. GUTTER-HANGER CIRCLE. GEORGE B. GEISER, Philadelphia, Pa., assignor to Berger Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 1, 1925. Serial No. 40,720. 3 Claims. (Cl. 108—29.)



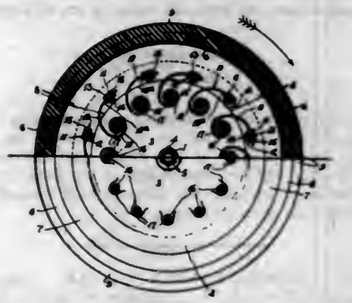
1. A gutter hanger circle formed from a channel section, comprising a body portion for the support of a gutter and a hanger engaging portion formed by distortion of the web of the channel section, to form a seat engaging portion for engaging a seat on a hanger.

1,630,936. ELECTRIC FITTING. CHARLES E. GODLEY, Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company, a Corporation of Michigan. Filed Apr. 10, 1924. Serial No. 705,457. 5 Claims. (Cl. 173—361.)



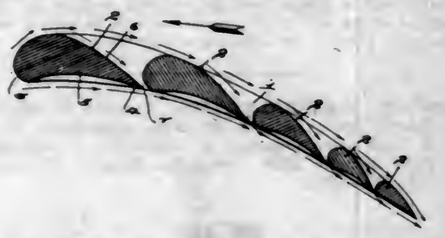
1. A fitting for detachedly connecting a socket with a wire which has the insulation stripped from its end, comprising a shell having means thereof for interlocking it with the socket; an insulator mounted in the shell and having a smooth bore extending longitudinally through it, and a metal wire terminal comprising in the integral formation a head larger than the said bore and normally engaging the front of the insulator and a pair of rearwardly directed integral jaws normally spread apart by their own resiliency and forced toward each other by the engagement of the jaws with longitudinally spaced portions of the wall of the said bore when the jaws are slid into the bore from the front end of the bore; the wire having its said insulation free and extending into the bore and between the jaws from the rear of the insulator and tightly clamped between the jaws through the said forcing of the jaws towards each other.

1,630,937. SPRING WHEEL FOR ROAD VEHICLES. GEORGE CHARLES GREEN, Johannesburg, Transvaal, South Africa. Filed Dec. 11, 1925, Serial No. 74,810, and in Union of South Africa Sept. 25, 1925. 1 Claim. (Cl. 152—37.)



A spring wheel for road vehicles, comprising a rim portion which carries the tyre and is constructed internally with two parallel inwardly directed annular flanges, cross-pieces connecting said flanges, a hub portion, discs connected to said hub portion between which the parallel inwardly directed flanges work and are guided, and coiled springs one end of each of which is attached to certain of the cross-pieces and the other to the discs, the means for attaching each spring to the cross-piece including a set-screw, a pin passing through the spring and a stop provided on the spring, as set forth.

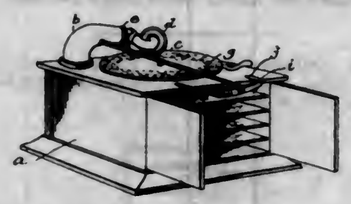
1,630,938. AIRPLANE WING CONSTRUCTION. JOSEPH E. GRIFFIN, Savannah, Ga. Filed Nov. 19, 1925. Serial No. 70,142. 4 Claims. (Cl. 244—12.)



1. An airplane wing construction made up of a plurality of sections, each section having a relatively thick and blunt leading edge and having its upper surface bearing downwardly and rearwardly to a relatively thin trailing edge, the thin trailing edge of each wing section underlying the leading edge of the section immediately rearwardly thereof, the tapering upper surfaces and the leading edges of adjacent wings co-acting to define air passages extending through the wing construction, said air passages being relatively wide and of relatively great area at the top of the wing and gradually narrowing to a thin slit-like opening at the bottom of the wing whereby when the wing travels through the air, air will be withdrawn from above the wing and discharged beneath the same to create a rarefaction above the upper surface of the wing and a pressure on the lower surface thereof and to eliminate eddy currents.

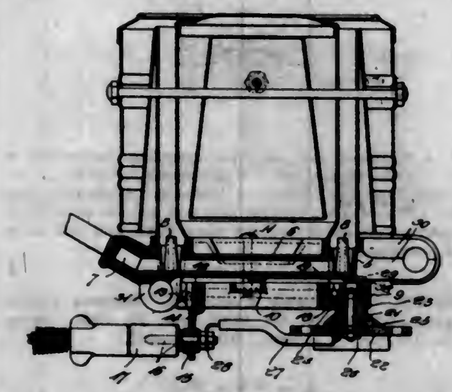
1,630,939. EDUCATIONAL APPLIANCE. JEAN JOSEPH ROBERT GUICHARD, Buenos Aires, Argentina. Filed July 29, 1925, Serial No. 46,875, and in Argentina Apr. 24, 1925. Renewed Apr. 16, 1927. 7 Claims. (Cl. 35—12.)

1. In combination with a phonograph having a sound arm; a record having grooves for producing certain sounds, a movable member connected with the sound arm of the phonograph, and extending beyond the side of the phonograph casing, and adapted to swing in an arc as the sound arm is moved; a fixed member extending from the phonograph casing, and having its outer end extending adjacent the outer end of the movable member; one



of said members carrying a scale bar, and the other carrying an indicator, the grooves in the record and the scale bar being so related that the indicator will point to the graphic representation of the sound emitted by the sound arm.

1,630,940. ELECTRIC PREHEATER FOR VAPOR BURNERS. GEORGE ALBERT HOFFMAN, Mansfield, Ohio, assignor to The New Method Stove Company, Mansfield, Ohio. Filed Nov. 18, 1926. Serial No. 149,210. 7 Claims. (Cl. 219—38.)

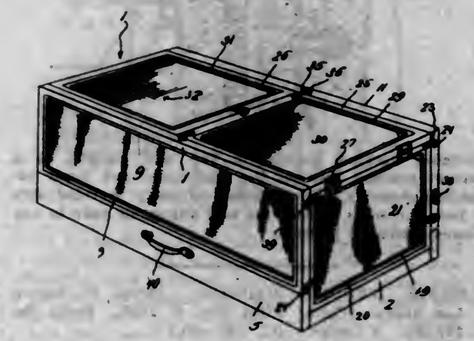


1. An electrical preheater for vapor burners, comprising a trough for disposition under a burner, a terminal support connected with and projecting rigidly downward from said trough, two relatively insulated terminals mounted on said support, electrical heating means within the trough, and conductors from said heating means to said terminals.

1,630,941. FOLDING CRIB. MARGARET M. HOOD, Jonestown, Miss. Filed Aug. 7, 1925. Serial No. 48,897. 1 Claim. (Cl. 5—97.)

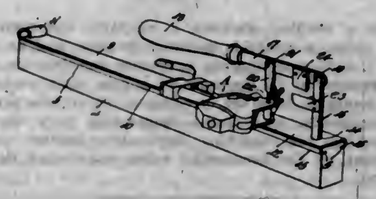
A folding crib comprising a bottom bed section, a pair of boards extending upwardly from the respective side edges of said bed section, one of said boards being of greater height than the other one, a pair of in-folding side sections hingedly secured at their lower edges to the upper edges of the respective side boards, said side sections being of unequal widths, a pair of end sections hingedly secured at their lower edges to the respective ends of the bottom bed sections and adapted to fold inwardly, a pair of complementary cover sections hingedly secured at their outer ends to the upper edges of said end sections, the inner opposed free ends of the cover sections being provided with coacting shoulders, lugs formed on the inner sides of the intermediate portions of the respective hinged side sections, adjacent the upper edge thereof, and upon which said coacting shoulders are

adapted to rest when the crib is assembled, coacting pivoted hooks and eyes associated with the several sections for holding the same in assembled relation, the end sections and the complementary cover sections being disposed in overlapping relation adjacent the bottom bed section when in a folded position, said sections being adapted to be disposed on top of the end and cover sections



in overlapping relation when folded, an additional hook carried by the end of the wider side section and adapted to cooperate with the adjacent eye carried by the end of the other side section for securing the parts in their folded position, and a handle attached to the side of the wider board to facilitate the carrying of the crib when in its folded position.

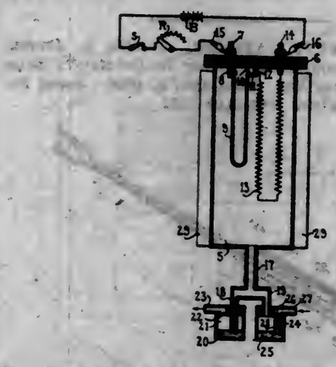
1,630,942. FLANGE-PIN REMOVER. ALBERT M. HUGHES, Pasadena, Calif. Filed Aug. 19, 1926. Serial No. 130,257. 3 Claims. (Cl. 29—86.1.)



3. A device of the class described comprising an elongated base recessed to receive flange pins, pin-removing means operatively connected with said base and movable downwardly toward the same, and a metal cover for said base formed of sections whose upper sides are flush to support the work, one of said sections being a cover for the recessed portion of the base and being movably mounted to give access to the contained flange pins.

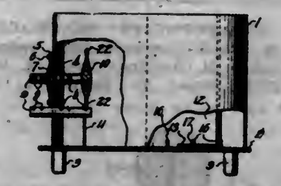
1,630,943. APPARATUS FOR EFFECTING AND REGULATING A FLOW OF FLUID. ULRIC O. HUTTON, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 10, 1925. Serial No. 49,357. 5 Claims. (Cl. 230—16.)

1. In a device for effecting a flow of gaseous fluid, the combination with a source of such fluid at substantially atmospheric pressure, of means for intermittently withdrawing a predetermined quantity of fluid from said source and alternately discharging the same at a given point, said means comprising a suction operated inlet valve and a pressure operated outlet valve, a gaseous fluid chamber associated with said valves, adjustable means for heating said chamber to effect discharge of fluid through said outlet valve, thermally responsive means



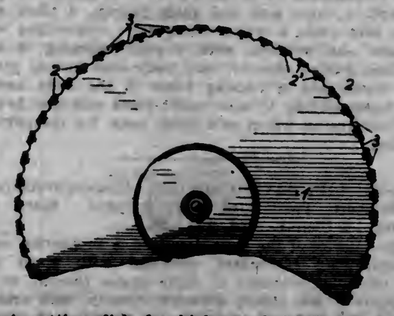
for periodically interrupting the supply of heat to said chamber, and means for thereafter cooling said chamber to create a suction for operation of said inlet valve.

1,630,944. EYE MODEL. LEONARD ROSS INGERSOLL, Madison, Wis. Filed Oct. 19, 1925. Serial No. 63,407. 4 Claims. (Cl. 35—16.)



1. An eye model comprising a vessel with opaque vertical walls, open at the top, representing the eyeball, having in horizontal section, and only in horizontal section, the general shape of the human eye, said vessel to be water-tight and designed for filling with water or other transparent liquid to represent the humors of the eye; an aperture in the front of said vessel representing the pupil; a glass lens fastened over said aperture, representing the cornea; a series of racks or guides in front of and behind said cornea for holding other lenses; a removable glass lens representing the crystalline lens; and a movable curved transverse opaque separating member representing the retina.

1,630,945. CUTTING DISK FOR HIGH-SPEED FRICTION SAWS. ADOLF JACOBOWITZ, Nuremberg, Germany. Filed Aug. 27, 1925, Serial No. 52,915, and in Germany May 18, 1925. 2 Claims. (Cl. 29—103.)



1. A cutting disk for high speed friction saws comprising a disk body having a thickened and enlarged edge,

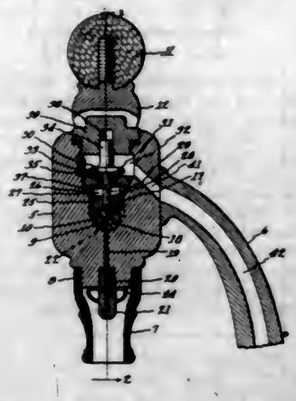
said edge being roughened or furrowed at its circumference by cording or recessing and being provided with indentations arranged in a certain distance from each other.

1,630,946. POULTRY CATCHER. JEROME D. JEFFERSON, Federalsburg, Md., assignor to Del-Mar-Va Sales Company, Laurel, Del. Filed Dec. 9, 1926. Serial No. 153,635. 8 Claims. (Cl. 119—152.)



1. In a catching device, a support, a holding member slidingly mounted thereon, a controlling trigger comprising a contact device and a finger disposed to engage the projected end of said member, and tension means connecting said trigger and latch to effect joint operation thereof.

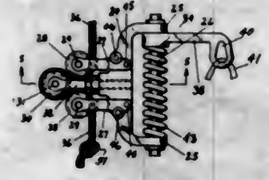
1,630,947. SODA-FOUNTAIN DRAFT-ARM VALVE. CHARLES R. JENKS, Cleveland, Ohio, assignor of one-half to Clifton M. Rawlins, Cleveland, Ohio. Filed Feb. 4, 1926. Serial No. 86,015. 1 Claim. (Cl. 225—24.)



The combination of a valve body having an inlet passage with a valve seat and guide therein, a block slidable in said guide, a reciprocating valve cooperating with said seat and provided with a stem engaging in said block and guided thereby, said body also having plural outlet ports, and a rocking valve in the body having ports corresponding to said outlet ports and also having a cam surface on which said block rests, for the purpose described.

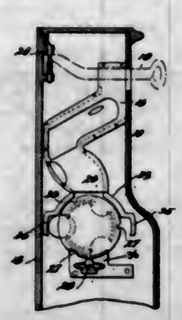
1,630,948. LIFE-SAVING DEVICE. ELIZABETH KIRIKAS, McKeesport, Pa. Filed Mar. 6, 1926. Serial No. 92,910. 2 Claims. (Cl. 227—28.)

1. In a device of the class described, a supporting member comprising a bracket, provided with upper and lower extending elements at right angles thereto, to accommodate a pin rigidly attached thereto, said bracket provided with yoke elements pivoted thereto and extending therefrom in opposite direction to the said upper and lower extending elements, and held in an extended position by pins, pulleys rotatively mounted on pins rigidly mounted in the said yoke elements, a pulley rotatively mounted on a pin rigidly attached to an adjustable yoke member provided with a threaded extremity to engage a



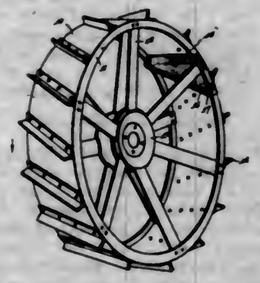
threaded aperture located in the said bracket, in a central position between the said upper and lower extending elements, said threaded extremity provided with a lock nut, so as to hold the said adjustable yoke in any desired extended position.

1,630,949. VENDING MACHINE. ORSON N. KELLY, Los Angeles, Calif. Filed Nov. 9, 1926. Serial No. 147,283. 8 Claims. (Cl. 194—85.)



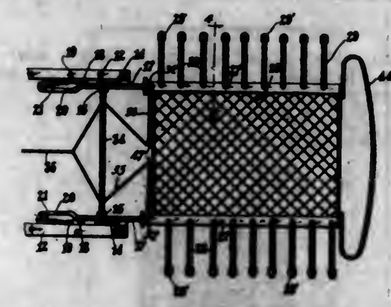
1. In a vending machine, a rotatable commodity delivery roller, a rotatable operator therefor, and an interposed clutching mechanism to engage the delivery roller and operator in the presence of a coin, said mechanism being rotatable in either direction to secure discharge of the commodity, and means cooperating with the coin for locking the clutching mechanism against reverse movement as the commodity roller approaches delivery position.

1,630,950. TRACTOR-WHEEL ATTACHMENT. BENJAMIN DEAN LANDON, Canton, Pa. Filed June 23, 1926. Serial No. 118,001. 3 Claims. (Cl. 301—5.)



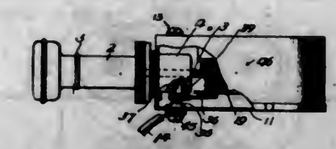
1. A tractor wheel attachment including a plate adapted to be secured to the inner face of a tractor rim and including a trough shaped portion disposed at an angle to the transverse axis of the rim for gravitationally ejecting stones and other material from the inside of the rim.

1,630,951. AUTOMOBILE SAFETY FENDER. CARMINE LEONE, Waltham, Mass. Filed Mar. 26, 1925. Serial No. 18,392. 5 Claims. (Cl. 293—16.)



2. An automobile fender comprising a frame consisting of a pair of side rods, a net attached to said side rods, parti-tubular rock members extending along said rods and partially surrounding the same, rows of fingers projecting from said rock members, and means for swinging said rock members to cause said fingers to project across the said net.

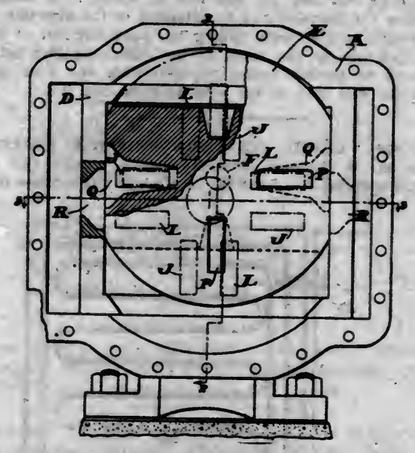
1,630,952. SPRING-RETRACTED ELECTRIC CIGAR LIGHTER. WILLIAM LESCHMAN, Chicago, Ill., assignor, by mesne assignments, to Chicago Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1923. Serial No. 678,895. 5 Claims. (Cl. 200—153.)
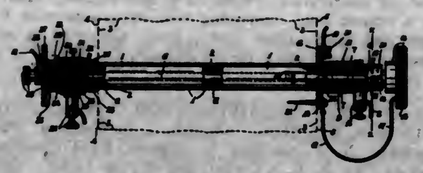


1. The combination with a current-consuming device and a pair of flexible conductors leading thereto, of a stationary tubular member in which a portion of the said device is normally socketed, a reel for the conductors, the reel having a metal side portion forming a terminal for one of the conductors, spring means for rotating the reel to wind the conductors thereon and to retract the said portion of the device into the said shell, the current-consuming device having a portion thereof engaging a rigid part of the said tubular member to limit the retraction of the said device, a stationary wire terminal, and a resilient switching member controlling the circuit through the conductors, the switching member having a contact portion forced into engagement with the said reel side portion by the resiliency of the switching member when the said device is drawn out of the said tubular member, the switching member also having an actuating portion extending laterally into the said tubular member and so disposed as to have its said contact portion moved out of contact with the said reel side when the current-consuming device is retracted into the said tubular member.

1,630,953. FLUID-ACTUATED ENGINE. HYMAN LEVINE, Denver, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 19, 1925. Serial No. 63,249. 3 Claims. (Cl. 121—52.)

3. A fluid actuated engine comprising a cylinder, a reciprocating piston within the said cylinder, a rotary piston adapted to reciprocate within said reciprocating piston, a set of distributing ports in said rotary piston, two sets of ports in said cylinder head adapted to cooperate with the distributing ports in said rotary piston, both of said sets of ports in said cylinder head being adapted to operate as admission or exhaust ports depending upon the direction of rotation of said piston and said piston being adapted to control the admission and exhaust of motive fluid to and from said cylinder.



1,630,954. COMBINED SWITCH AND LIGHTNING ARRESTER. HENRY JAMES LEWIS, Johannesburg, Transvaal, South Africa. Filed Jan. 23, 1925, Serial No. 4,314, and in Union of South Africa Sept. 19, 1924. 4 Claims. (Cl. 175—30.)



1. A device of the kind described for use with outside radio or wireless aerials, comprising in combination a switch, a lightning arrester, and a safety earthing device, the switch including a slidable rod, a handle attached to said rod, a member to which is attached the aerial terminal for the receiving set, a bayonet joint between the slidable rod and said member, a further rod with which the slidable rod co-operates, and a part attached to said further rod which co-operates with the earth terminal to serve as the lightning arrester when the contact is made through the switch to the aerial terminal of the receiving set, as set forth.

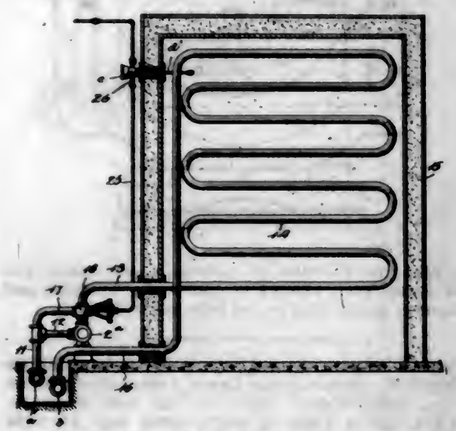
1,630,955. BRACELET. WILLIAM LICHTENFELS, Newark, N. J., assignor to New Jersey Chain Corporation, Newark, N. J., a Corporation of New Jersey. Filed July 12, 1926. Serial No. 121,808. 5 Claims. (Cl. 59—79.)



1. An expansible bracelet comprising a series of outer box links each having top, bottom, side and end walls, yoke links substantially rectangular in shape and one

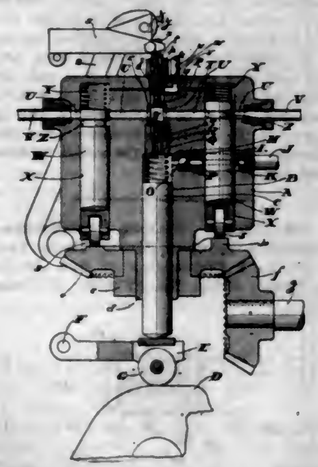
being partly housed in each box link and embracing the end wall of the box link partly housing it and the end wall of an adjacent box link, and a spring acting between said yoke link and the box link in which it is housed whereby the bracelet may be extended in the direction of its length by yieldingly sliding the yoke link out of the box link, one of the walls of the outer box link being resilient to permit flexing for detaching the yoke link from the end wall of the said adjacent box link.

1,630,956. LIQUID HEAT-TRANSMISSION SYSTEM. DANIEL M. LUEHRS, Cleveland, Ohio. Filed Oct. 6, 1924. Serial No. 742,016. 5 Claims. (Cl. 236—19.)



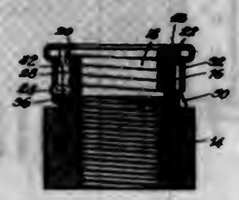
1. The combination with the supply and return pipes of a hot oil distributing system, of a heat-utilizing apparatus, a branch pipe connecting said apparatus with the supply and return pipes, and a pump connected in said branch pipe for forcing the oil through the latter.

1,630,957. FUEL DISTRIBUTOR FOR INTERNAL-COMBUSTION ENGINES. ARTHUR G. LUNDSTROM, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 30, 1926. Serial No. 145,245. 5 Claims. (Cl. 123—140.)



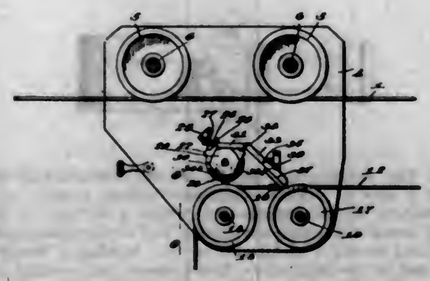
1. A fuel pump for a multi-cylinder internal combustion engine comprising a pump cylinder and plunger adapted to reciprocate therein, a discharge chamber for said cylinder, a plurality of passages adapted to convey liquid fuel from said cylinder to the spray nozzles of an engine, and a piston valve in each of said passages adapted to control the flow of fuel therein.

1,630,958. NUT LOCK AND THE LIKE. JOHN L. MAUCH, Brooklyn, N. Y. Filed Oct. 18, 1924. Serial No. 744,316. 12 Claims. (Cl. 151—14.)



10. A device of the class described comprising a threaded lock nut, a spring locking member mounted in a recess within the nut, said recess having grooves formed to fit the convolutions of the spring, a release cap mounted on the exterior of the nut having a portion adapted to cooperate with an offset end of said spring.

1,630,959. OVERHEAD CONVEYER. ROY A. MCCOURRY, Knappa, Oreg. Filed June 29, 1926. Serial No. 119,501. 7 Claims. (Cl. 212—110.)

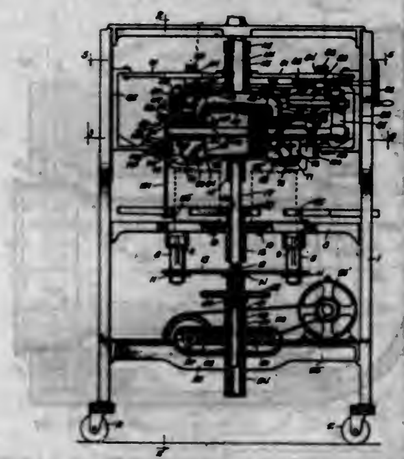


1. In a conveyer, a cable having an end portion attachable to a load that is to be carried and having an enlarged portion adjacent to said attaching end portion, a movable overhead supporting sheave over which said cable is trained, a rotary holding wheel disposed in edgewise alignment with said supporting sheave and adjacent to said supporting sheave, said holding wheel having a plurality of regularly spaced projections on its periphery, each of said projections being adapted when in a position proximate to the periphery of said supporting sheave to cooperate with said supporting sheave to prevent passage of the enlarged portion of said cable between said projections and the periphery of said supporting sheave, and means for actuating said holding wheel to dispose said projections successively in or out of position proximate to the periphery of said supporting sheave.

1,630,960. FILLING MACHINE. HELMER A. MELUM, River Forest, and GEORGE P. BROOKS, Oak Park, Ill. Filed June 22, 1922. Serial No. 570,009. 28 Claims. (Cl. 226—97.)

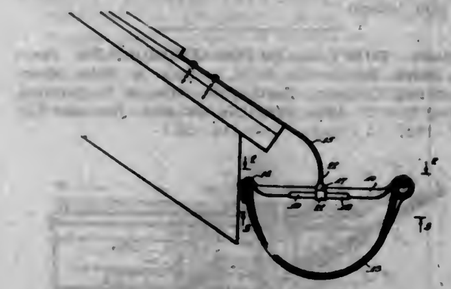
1. A filling machine having a platform for supporting receptacles to be filled, an actuator for moving receptacles in a curved path over the platform, a liquid measuring

cylinder having an inlet valve and an outlet valve adjacent each end, a piston adapted to reciprocate within the cylinder, means for rotating the cylinder and the



actuator, and mechanism whereby the rotation of the cylinder reciprocates the piston and alternately operates the valves at opposite ends of the cylinder.

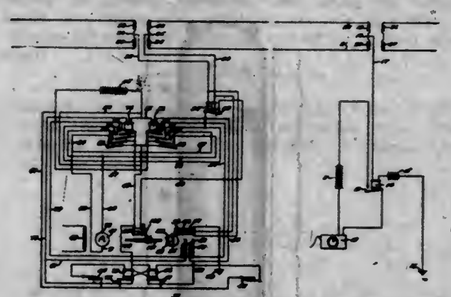
1,630,961. GUTTER HANGER. CHARLES A. MEUNIER, Great Neck, N. Y. Filed Dec. 24, 1926. Serial No. 154,784. 8 Claims. (Cl. 108—29.)



1. In a gutter hanger, a bridge piece of inverted U-shaped cross-sectional configuration, a suspension strap having a bifurcated lower end, the defining furcations twisted laterally outward to straddle the bridge piece, a slotted clip underlying the bridge piece, the slotted portions of which receive therethrough the furcations with the terminals of the furcations bent outwardly and upwardly to establish a rigid connection between the suspension strap and bridge piece.

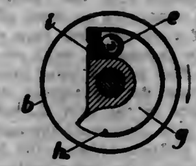
1,630,962. SIGNALING SYSTEM. FRANK A. MILLER, Oakland, Calif., assignor to San Francisco-Sacramento Railroad Co., Oakland, Calif., a Corporation of California. Filed June 11, 1923. Serial No. 644,638. 21 Claims. (Cl. 246—3.)

1. In a railroad signaling system, a plurality of remote automatic transmitters, a common receiver associated with said transmitters, each transmitter being adapted to be operated to effect either one of two characteristic responses at the receiver, means associated with a railroad track section adjacent a corresponding transmitter to initiate operation of such transmitter to produce one characteristic response when a train passes in one direction and another characteristic response when a train passes in another direction and means for delaying the



operation of a subsequently initiated transmitter until termination of the signal from said first initiated transmitter.

1,630,963. SPEED INDICATOR. FRANTZ MORTENSEN, Helsingfors, Finland. Filed July 13, 1926, Serial No. 122,250, and in Germany July 17, 1925. 2 Claims. (Cl. 116—74.)



1. An indicator for indicating the speed of a revolving shaft characterised thereby that a channel in which a member for instance a ball moves when the shaft revolves, is bent round the shaft to be controlled and revolves with the shaft, and a resonant body in the path of the ball, whereby the ball will strike against the resonant body and create a sound for each revolution of the shaft until a certain speed is attained.

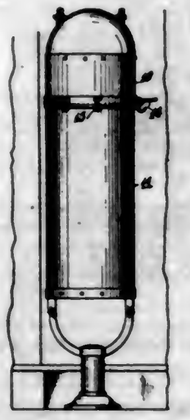
1,630,964. SPECTACLE TEMPLE. JOHN N. NELSON, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 25, 1924. Serial No. 739,851. 8 Claims. (Cl. 88—52.)



1. A non-metallic spectacle temple member curved at its end to extend over the ear of the wearer and having an enlarged separate end-piece or member connected to its free end portion by providing one of said members with a socket and the other with a reduced portion to fit tightly in said socket.

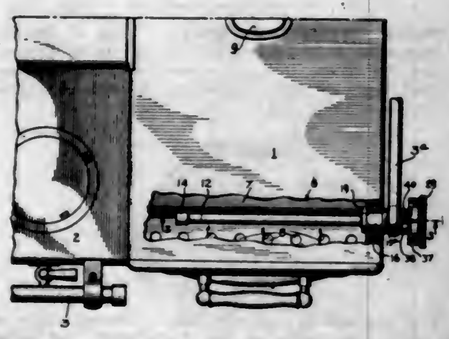
8. A spectacle temple formed of a hollow non-metallic tube curved at its end and helically cut on said curved portion to increase its flexibility, an enlarged flattened skull engaging end piece on the extremity of said tube, and a wire core extending through the tube and into said end piece.

1,630,965. CLOTHES-DRIER ATTACHMENT FOR HOT-WATER TANKS. DANIEL H. NOYES, Athol, Mass. Filed Apr. 22, 1926. Serial No. 103,687. 2 Claims. (Cl. 211—17.)



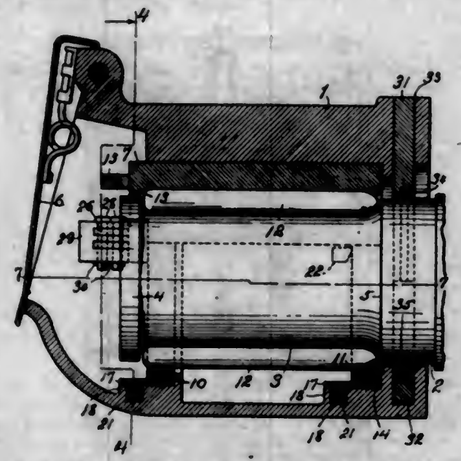
1. In a drying rack of the class described, a band adapted to be clamped upon the cylindrical surface of a cylindrical body comprising an upper offset portion and a lower portion of a diameter less than said upper offset portion adapted to engage the walls of said cylindrical body, said upper offset portion being provided with open slots extending from the top thereof, and hanger pins having enlargements on the ends thereof adapted to be inserted into said slots from above through the upper open end thereof to a position between the inner surface of said offset portion and the outer surface of said cylindrical body, said hanger pins being removable bodily from said band.

1,630,966. GAS STOVE. HENRY W. O'DOWD, Jersey City, N. J., assignor to Standard Gas Equipment Corporation, a Corporation of Maryland. Filed Apr. 9, 1925. Serial No. 21,742. 5 Claims. (Cl. 126—39.)



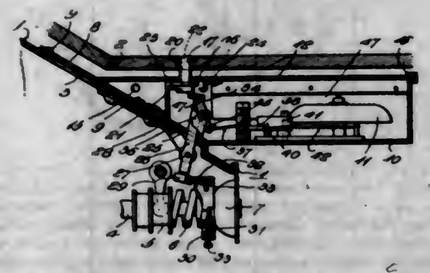
1. In a gas stove, the combination of a heating chamber adapted to be heated by a gas burner and having an outlet for the escape of the heat currents, means for supplying gas to the burner, a thermostatic element located outside the heating chamber but in the path of the heat currents flowing therefrom and in position to be acted on by said currents immediately upon their leaving the heating chamber, and means operated by said thermostatic element for controlling the supply of gas to the burner.

1,630,967. JOURNAL BEARING. ALBERT POWELSKI, Kansas City, Kans. Filed July 18, 1924. Serial No. 726,745. 6 Claims. (Cl. 308—180.)



1. In a journal bearing, a journal box adapted to receive a journal and provided with fastening lugs, upper and lower bearing members in said box having respectively arcuate inner surfaces adapted to form with said journal an annular race and bearing at their rear sides against said box, removable locking members bearing respectively against the front sides of said members for holding the latter in operative position and respectively engaging said lugs, releasable means for locking said locking members to said lugs respectively, and rollers adapted for travel in said race in contact with said bearing members and said journal.

1,630,968. THEFT ALARM FOR AUTOMOBILES. ISAAC L. RIDGE, Bartlesville, Okla., assignor to Ridge Manufacturing Company, Bartlesville, Okla., a Corporation. Filed Feb. 27, 1924. Serial No. 695,560. Renewed Feb. 17, 1927. 5 Claims. (Cl. 116—33.)

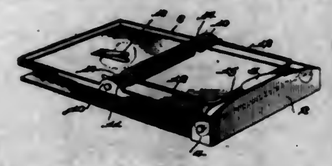


3. In combination, a transmission case; transmission mechanism in said casing including a shaft, a clutch spring surrounding said shaft, and a shaft-carried member at one end of said spring; an annular shaft-encircling cam having a portion held by said spring between the latter and said shaft-carried member, an alarm having an operating member extending into the path of said cam, and locking means for holding said operating member out of the path of said cam.

1,630,969. ANIMAL TRAP. JAMES EDWARD RUDY, Waynoka, Okla. Filed Nov. 6, 1925. Serial No. 67,341. 3 Claims. (Cl. 43—82.)

1. A trap comprising a base plate, a trigger plate having a width approximately equal to that of the base plate and being swingingly attached to the base plate

at one end of the latter, a spring pressed jaw carried by said trigger plate, and a stop supported on said base plate at said one end of the latter, said stop being adapted to be engaged by said spring pressed jaw when said spring



pressed jaw is in "set" position to releasably hold the free end of the trigger plate above the base plate and to releasably hold the spring pressed jaw against swinging from "set" position against the trigger plate.

1,630,970. BRAKING DEVICE FOR SLEDS. HENRY RUZICKA, New York, N. Y. Filed Jan. 2, 1925. Serial No. 5. 6 Claims. (Cl. 188—8.)



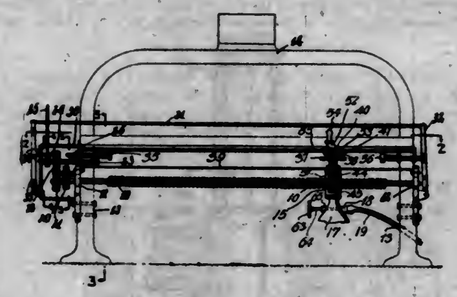
1. In combination with a sled having a pair of runners with upwardly curved front ends, a slidable carriage supported by the said upwardly curved front ends of the runners, braking elements depending from said carriage, and releasable means retaining the said carriage engaged with the top portions of the said upwardly curved runner ends.

1,630,971. FUEL-FEED APPARATUS FOR INTERNAL-COMBUSTION ENGINES. BASIL H. SAVAGE, Los Angeles, Calif., assignor of four-sixteenths to Norman B. Bennett, one-sixteenth to Oscar F. Bowman, four-sixteenths to Mansell A. Davis, and two-sixteenths to Harry B. Newcomb, Los Angeles, Calif. Filed May 19, 1926. Serial No. 110,132. 11 Claims. (Cl. 158—36.1.)



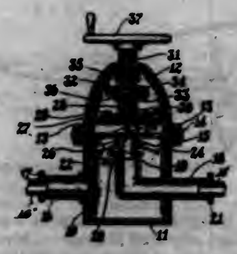
I. In a fuel feed system for internal combustion engines, a main reservoir having an outlet for the flow of liquid fuel to the carburetor, an auxiliary reservoir having an outlet for the flow of liquid into said main reservoir, a valve adapted to keep the latter outlet closed while the pressure in the auxiliary reservoir is below atmospheric pressure, said auxiliary reservoir having an inlet for liquid fuel adapted to be connected to the source of fuel supply and having a suction outlet adapted for connection to the intake of the engine, a hollow float in the auxiliary reservoir, a valve operable by the float during its upward movement for closing the suction outlet, and means for admitting air into said float to increase its buoyancy, near the end of its upward movement.

1,630,972. SUCTION DEVICE FOR REMOVING WASTE AND DUST. KARL SCHMID, Milwaukee, Wis. Filed May 24, 1926. Serial No. 111,268. 2 Claims. (Cl. 15—15.)



1. In an apparatus of the class described, a receiver having an air suction tube attached, and the said receiver secured to supporting elements of the following construction, a vertical frame, a lever pivotally secured to the said frame, threaded blocks in a box compartment of the said frame and having pins protruding therethrough and the said pins engaging inclined slots in the sides of the said lever, a horizontally split bushing in the upper extremity of the said vertical frame, a bevel plate bearing on the upper portion of said bushing and a shoulder on the said lever adapted to engage the said bevel plate, and the whole supported on a lead screw passing between the said threaded blocks, and itself supported on a suitable frame structure, and a horizontal rod passing through the aforesaid split bushing and supported at its ends by the aforesaid frame structure, and means to rotate the said lead screw and means to automatically reverse the rotation thereof.

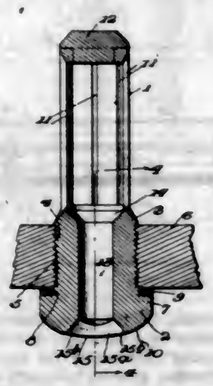
1,630,973. VALVE CONSTRUCTION. JOHN SCHMIDT, Camden, N. J. Filed Dec. 18, 1925. Serial No. 76,163. 2 Claims. (Cl. 251—156.)



1. A valve comprising upper and lower casings, an outlet pipe communicating with said lower casing, a valve seat interposed between said upper and lower casings having a plurality of spaced openings therein located between the periphery and center thereof and a center opening, a valve comprising a disc portion adapted to cover said spaced openings, a cone shaped projection depending from said disc member adapted to be disposed in said center opening, and operating means for simul-

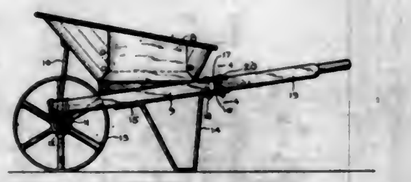
taneously retracting said projection from said center opening and lifting said disc portion from the upper surface of said valve seat to permit liquid to flow upwardly through said center opening and through said spaced openings into said lower casing, said cone-shaped projection being adapted when in its retracted position to spray said upwardly flowing liquid for distributing the same to said spaced openings.

1,630,974. SPRAY NOZZLE. OLIE WARREN SHELOR and EDWARD G. BUTTS, Salem, Va. Filed July 23, 1925. Serial No. 45,662. 1 Claim. (Cl. 299—106.)



A spray nozzle for applying viscous fluids, particularly for applying the same to roadways, comprising an elongated tubular body closed at its inner end and provided with a plurality of slots extending the entire length of the body, and an integral and flanged head at the outer end of the body, said head being externally screw threaded inward of its flange and provided with a passage of less cross sectional area than that of the tubular body, said passage terminating at its inner end in a frusto-conical opening communicating with said tubular body and at its outer end in a discharge opening flaring outwardly in a single plane.

1,630,975. WHEELBARROW. IRVING R. SMITH, Wauwatosa, Wis., assignor to Sterling Wheelbarrow Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 26, 1925. Serial No. 64,863. 2 Claims. (Cl. 280—52.)



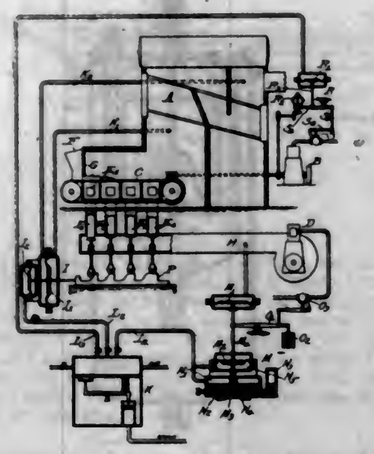
1. A sectional wheelbarrow, comprising a pair of arms, a hopper removably mounted thereon, a bearing member removably bolted to the forward end portion of each of said arms, an axle journaled in said bearing members, a wheel carried by said axle, a pair of legs engaging said arms and having flanged end portions extending beyond the extremities of said arms, plates engaging said arms and extending beyond the extremities of the same, bolts engaging said plates, arms, and the flanged end portions of said legs, handles engaged by the projecting portions of said plates and leg flanges, and bolts engaging the handles, plates and leg flanges.

1,630,976. VALVE-CORE EXTRACTOR. JACK R. C. SMITH, Victoria, British Columbia, Canada. Filed Oct. 30, 1925. Serial No. 65,830. 4 Claims. (Cl. 29—84.)



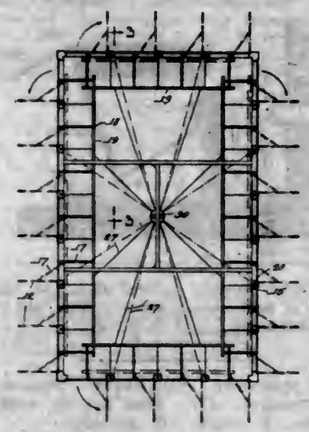
2. A tool comprising a shaft having a pair of spiral grooves running in opposite directions, a handle carrying a shiftable button, a pair of nuts carried by the handle and having studs engaging the respective grooves and having toothed rims, a double pawl pivotally mounted in the handle and having a recess at each side, a curved spring carried by the button having its extremities engaging the respective recesses so that shifting of the button will rock the pawl upon its pivots and lock one or the other of the nuts upon the pawl, a socket swivelly carried by the shaft, and a spring interposed between the socket and handle to resist movement of the handle along the shaft in one direction.

1,630,977. FURNACE REGULATION. CHARLES H. SMOOT, Maplewood, N. J. Filed Oct. 22, 1926. Serial No. 143,415. 15 Claims. (Cl. 236—14.)



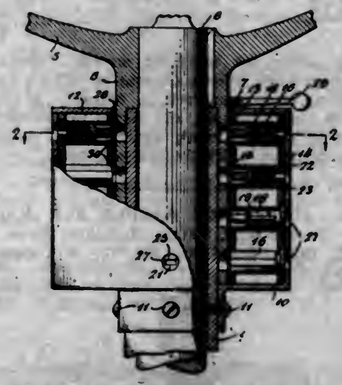
1. In a system of combustion control for stokers, the combination of a grate and means for varying in sections the area of air supply to the grate, with means for successively admitting air to such sections, and means responsive to changes in boiler rating for controlling said air admission means.

1,630,978. VENTILATOR. JOSEPH SOBEL, New York, N. Y. Filed Aug. 16, 1926. Serial No. 129,519. 4 Claims, (Cl. 98—85.)



1. A ventilator including a plurality of walls, each having a plurality of apertures, a horizontally swingable closure for each aperture, an arm hinged to the inner side of each closure, a link connecting the arms of the closures of each wall, means connected with each link for normally shifting the same in a direction to open the closures, and a common means connected with the links for manually moving the same in a direction to close the closures.

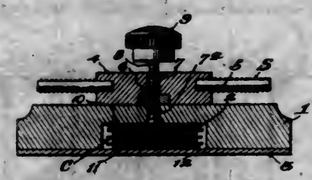
1,630,979. LOCK FOR STEERING WHEELS. LOUIS STABILE, Brooklyn, N. Y. Filed Nov. 20, 1926. Serial No. 149,550. 9 Claims. (Cl. 70—129.)



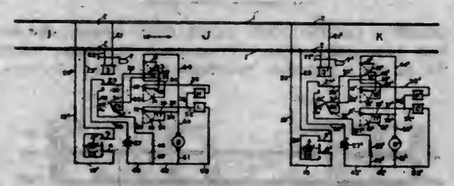
1. In a lock, the combination with a steering wheel and a steering column therefor; of a lock casing carried by said column, a plurality of locking elements in said casing movable into and out of engagement with a portion of said wheel to lock the same to said column and unlock said wheel therefrom, and means rotatable relative to each element to move the same to locking and unlocking positions.

1,630,980. RADIO INTERFERENCE ELIMINATOR. FRED WILLIAM STEIN, Atchison, Kans. Filed Apr. 30, 1925. Serial No. 27,118. 2 Claims. (Cl. 250—40.)

2. An interference eliminator for radio apparatus including an insulating base, a variable condenser carried by said base and consisting of arched spring metal plates and dielectric members alternately arranged and spaced apart, a coil mounted on said base and including a hub portion fixed to said base, a nut having a threaded opening registering with corresponding openings in the hub and base, a micrometer screw engaging the threaded opening of the nut and having an exterior manipulating knob whereby the screw may be moved to compress and release the plates of the condenser thereby to vary its capacity.
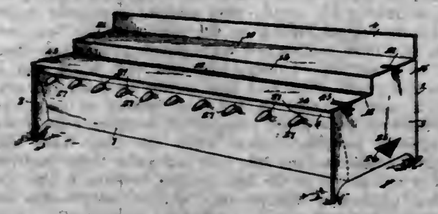


1,630,981. SNUBBING CIRCUITS FOR SEMAPHORE SIGNALS. JAMES E. STEPHENSON, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed May 25, 1925. Serial No. 32,751. 5 Claims. (Cl. 246—45.)



5. In a railway signal of the type having a semaphore blade movable to three indicating positions and biased to one of its extreme positions, a motor for lifting said blade from its biased position to either of its other two indicating positions, means for maintaining said blade in either of said other two positions, a track relay, and means to short circuit the motor through a contact of the track relay for opposing the biased motion of said blade.

1,630,982. FEEDER. BERTHA E. STONE, Great Falls, Mont. Filed Oct. 25, 1926. Serial No. 144,108. 9 Claims. (Cl. 119—71.)

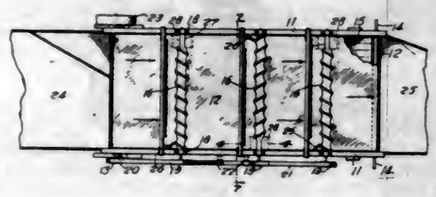


1. A lamb feeder comprising a housing, a plurality of vertically disposed, depending, spaced independent feed cups arranged therein and each adapted to contain a predetermined amount of liquid food whereby a plurality of animals can be fed simultaneously with like amounts of liquid feed, said housing including means at the upper portion thereof to provide a supply trough common to and suspending said cups, a plurality of nipples extended from the front of the housing, said nipples positioned above the tops of said cups, and conducting tubes leading from the bottoms of said cups to said nipples and arranged within said housing.

1,630,983. FRUIT CLEANING AND POLISHING MACHINE. BOYD C. SUTHERLAND, North Garden, Va. Filed Nov. 15, 1926. Serial No. 148,543. 15 Claims. (Cl. 146—201.)

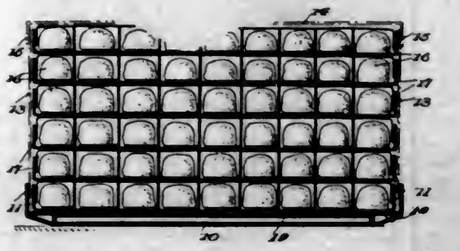
13. A fruit cleaning and polishing machine, comprising a frame, a cloth movably mounted upon said frame for supporting the fruit, a spiral roller having a reduced por-

tion at one end thereof and mounted to rotate on the upper portion of the movably mounted cloth for feeding the fruit transversely with respect to the movement of said cloth, said cloth being yieldable adjacent the re-



duced portion of said roller for permitting the fruit to pass under the roller in the direction of the movement of said cloth and means extending lengthwise of said spiral roller for assuring the contact between the fruit and said cloth.

1,630,984. CONFECTION PACKAGE. ARTHUR SWEET, Salt Lake City, Utah. Filed Aug. 25, 1925. Serial No. 52,433. 1 Claim. (Cl. 206—44.)



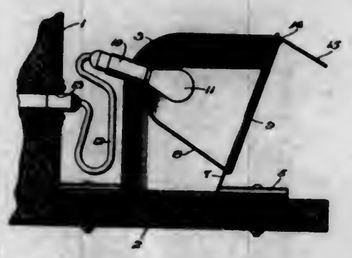
A confection package including a base section in the form of a display tray having upwardly and outwardly inclined side walls equipped with upturned peripheral flanges, a false bottom supported within and resting on the inclined walls of the base section, a support under said false bottom resting on the bottom of the base section, said false bottom and support being removable from the base section or tray, side and end walls and a cover removable from said base section or tray, and confection holding trays on the base section or tray and arranged in superposed relation to support confections in exposed position thereon when said side walls and cover are removed, the side and end walls being inserted within the flange of the base section between it and the bottom confection holding tray whereby said walls are held against bulging.

1,630,985. MEANS FOR PREPARING PRODUCTS OF ORGANIC ORIGIN. HENRI LOUIS PAUL TIVAL, Le Pecq, France. Filed Apr. 24, 1922, Serial No. 556,305, and in Belgium Apr. 26, 1921. 4 Claims. (Cl. 99—11.)

1. A method for treatment of organic matter to preserve the principal ingredients and active principles when said matter is desiccated or the active principles thereof are extracted, which consists in first congealing the organic matter, then pulverizing, then sterilizing the same, and finally drying it.

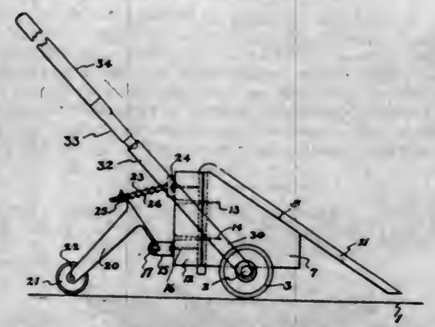
1,630,986. ILLUMINATING DEVICE FOR VEHICLES. JAMES H. TUDOR, Cincinnati, Ohio. Filed Sept. 8, 1923. Serial No. 661,629. 2 Claims. (Cl. 240—8.26.)

1. The combination with a vehicle body having a running-board on either side thereof, guide-ways arranged transversely of said running-board, a light casing adjustably received in said guide-ways, said casing having an inclined outer wall provided with an opening, a light reflector and light received in said opening, and an ad-



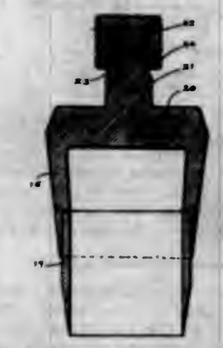
justable deflector pivotally secured along the upper horizontal edge of said casing whereby the light rays are deflected downwardly.

1,630,987. MAGNETIC SWEEPER. FANNIE LITTLE TURNER, Charlotte, N. C. Filed Apr. 24, 1926. Serial No. 104,390. 6 Claims. (Cl. 209—215.)



1. In a device for collecting metallic objects from floors, a framework, wheels adapted to roll on the floor for mounting the framework, a plurality of magnets mounted on the framework, and means for adjusting the angularity of the framework with relation to the floor or other surface on which the device is used.

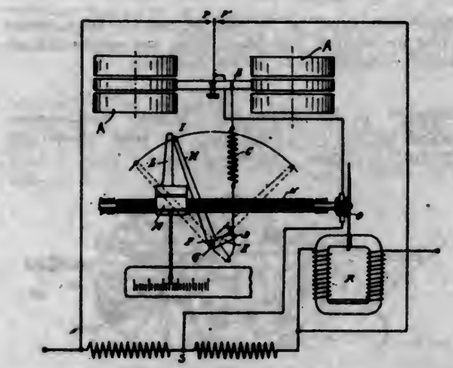
1,630,988. ADJUSTABLE HANDLE FOR MACHINE DIES. THADDEUS F. TYLER, Haverhill, Mass. Filed Apr. 22, 1926. Serial No. 103,937. 6 Claims. (Cl. 164—29.)



1. In a die structure for use in the manufacture of shoes, a cutter receiver in the form of a hollow body having an open inner and a closed outer end, a handle

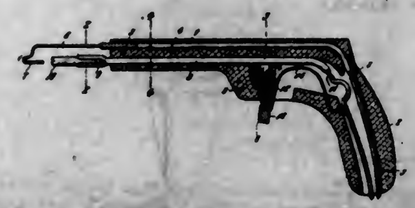
element, said element consisting of a pair of interengaging sections arranged exteriorly of said outer end and adjustable lengthwise relatively to each other to increase and decrease the length of said element exteriorly of said receiver, one of said sections being integral with the outer face of said closed end axially thereof, and means for maintaining said sections from movement when adjusted relatively to each other.

1,630,989. ELECTRICAL MEASURING INSTRUMENT OF THE TYPE EMPLOYING A CONTROL MOTOR. BRUNO USIGLI, Milan, Italy, assignor to the Firm Instrumenti di Misura C. G. S. Societa Anonima, Milan, Italy. Filed Sept. 7, 1926, Serial No. 133,950, and in Italy Sept. 24, 1925. 2 Claims. (Cl. 171—95.)



1. An electrical measuring instrument of the type operated according to a zero method by means of a servomotor acting upon the movable parts through the medium of a tension spring controlled by a nut adapted to slide along a screw rotated by the said motor, characterised in that the connection between the nut and spring is effected by means of a bell crank lever having arms of different lengths arranged to rotate in a plane parallel to the axis of the screw and about an axis contained in a plane perpendicular to the said screw and containing the axes of rotation of the movable parts, the short arm of the said bell crank lever being directly connected to the free end of the tension spring fixed to the movable parts of the instrument, while the long arm is in sliding engagement with a straight guide perpendicular to the axis of the screw and rigidly connected with the nut.

1,630,990. SOLDERING IRON. HARLEY A. WAGG, Wapello, Iowa. Filed Oct. 20, 1926. Serial No. 142,952. 2 Claims. (Cl. 219—26.)



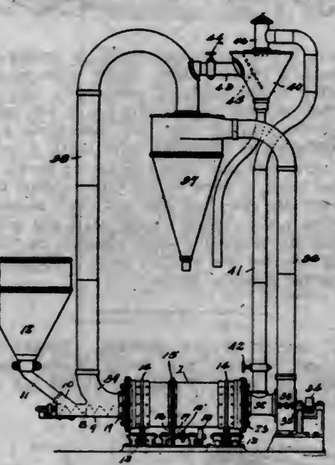
1. A soldering iron comprising a body of insulating material, longitudinally arranged copper tubes therein, a wire electrode having one end frictionally received in one of the tubes and having a hooked end in a line with the axial center of the second tube, said last mentioned tube having a clamp on the outer end thereof for the reception of a carbon stick, electric conductors connected with both of the tubes and means for imparting longitudinal movement to the carbon stick carrying tube.

1,630,991. SUBGRADE TEMPLATE. ADOLPH N. WALSTAD, Tacoma, Wash. Filed Aug. 20, 1925. Serial No. 51,521. 9 Claims. (Cl. 94—44.)



1. A subgrade template comprising a main piece; a detachable shoulder-forming plate attached to the outer end thereof; a grade-ribbon gage shoe mounted on the said end, above said shoulder plate, and riding on one grade ribbon of the roadway; and a flat extension mounted on the inner end of said main piece and adapted to slide longitudinally and laterally on the other grade ribbon of the roadway, thereby permitting the second grade ribbon to vary in distance from the first grade ribbon, whereby the template is guided along the roadway and whereby its form is controlled to form the desired incline of the subgrade from the center to the edge on straight or curved roadways or constant or varying widths.

1,630,992. AIR-SWEPT BALL MILL. HARRY H. WATERMAN, Strasburg Junction, Va. Filed Nov. 25, 1924. Serial No. 752,133. 3 Claims. (Cl. 83—9.)



1. In an air swept mill of the ball type having a substantially unobstructed interior, a fan blower having its intake connected to one end of the mill, a dust collector connected to the exhaust of the fan blower, means for supplying material at one end of the mill, and an air supply pipe leading from the collector to the other end of the mill, whereby the material is conveyed to the intake of the fan by the velocity of the spent air supplied from the collector.

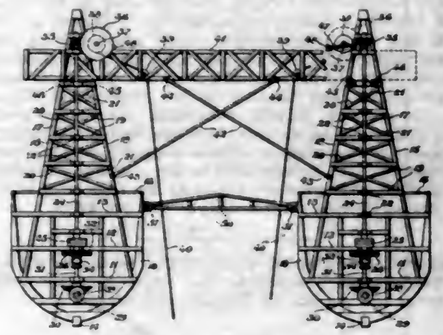
1,630,993. VISE. DERRICK S. WEST, Portland, Oreg. Filed June 8, 1925. Serial No. 35,691. 4 Claims. (Cl. 77—63.)



1. A vise comprising relatively movable jaws, each of said jaws formed on the inner face with an article sup-

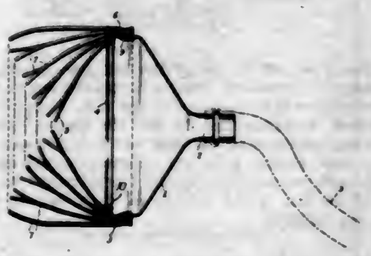
porting ledge, and article supporting elements removably cooperating with both jaws and bridging the space between them, the article engaging surface of such elements being in the supporting plane of the ledges.

1,630,994. WRECK-LIFTING DEVICE. HERBERT WICKS, Midland, Ontario, Canada. Filed May 5, 1926. Serial No. 106,945. 4 Claims. (Cl. 114—51.)



1. A wreck lifting device comprising, in combination, a barge or boat, a skeleton tower rigidly mounted in said boat, hoisting drums rotatably mounted in said tower, lifting cables for said drums, and means for operating said drums from within the boat comprising a prime mover, a horizontally extending drive shaft, a vertically extending shaft rotatably supported in the tower, a gear on the drum shaft, a worm on the vertical shaft adapted to mesh with said gear, and gear and shaft means intermediate of the tower carried vertical shaft and said drive shaft operatively connecting same whereby, on the drive shaft being operated, the vertical shaft is operated to in turn rotate the hoisting drums.

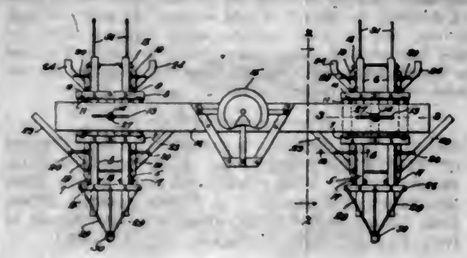
1,630,995. BATH SPRAY BRUSH. ROBERT MORSE WITHYCOMBE, Sydney, New South Wales, Australia. Filed Mar. 31, 1925. Serial No. 19,708. 4 Claims. (Cl. 15—128.)



1. A bath spray brush comprising a rose having a face bevelled at its edge and provided with jet perforations, filamentous layers helically wound around the periphery of said rose and drawn inwardly over the bevelled edge of said face into substantially conical form, the innermost layer intersecting the paths of jets of liquid emanating from said perforations.

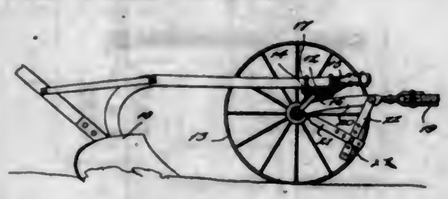
1,630,996. CULTIVATOR. JAMES D. WRIGHT, Almena, Kans. Filed May 1, 1926. Serial No. 105,976. 2 Claims. (Cl. 97—143.)

1. An agricultural machine including sleds, each of said sleds embodying a frame, the frame of each sled including pairs of vertical spaced bars, eye bolts disposed between the bars of each pair, supporting bars having



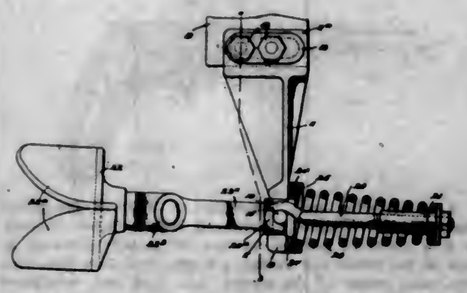
reduced ends fitted in the eyes of the eye bolts, blades carried by the last mentioned bars, and means for adjustably connecting the blades and bars.

1,630,997. PLOW SUPPORT. MARYAN YAKUBOWSKI, White Haven, Pa. Filed Dec. 24, 1925. Serial No. 77,510. 2 Claims. (Cl. 97—131.)



1. A support for use upon agricultural plows comprising a shaft forming a yoke at an intermediate point in its length and including wheels journaled upon its opposite ends, a plow beam supported by said yoke, a draft bar and tongue secured thereto, members connecting said draft bar with said shaft, an apertured plate secured to one of the members and extending rearwardly and downwardly therefrom, and a correspondingly shaped plate fixed upon the shaft and extending in an opposite direction in juxtaposition with respect to the first mentioned apertured plate and adapted to receive a fastening element within its apertures registering with the apertures of the first mentioned plate for regulating the height and throw of the yoke and incidentally the inclination and pitch of the plow share.

1,630,998. TRAIN-PIPE CONNECTER. GEORGE E. BALDWIN, Plainfield, N. J., assignor to Joseph Robinson, Westmount, Quebec, Canada. Filed Apr. 9, 1921, Serial No. 459,881. Renewed Nov. 6, 1925. 14 Claims. (Cl. 285—58.)



1. In a train pipe connecter, a bracket having a bearing portion adjacent its lower end, a pivot block having a seat intermediate its ends engaging said bearing por-

tion of the bracket, trunnions on said block at opposite sides of said seat, a stem having portions pivotally engaging said trunnions, an abutment on said stem, a coupling head, a member connected therewith and extending to the rear of said bracket and carrying a flange or projection adapted to contact with the rear of the bracket, and a coiled spring arranged between said flange and said abutment.

1,630,999. WROUGHT-METAL ARTICLE. WILLIAM H. BASSETT, Jr., Ansonia, Conn., assignor to The American Brass Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 28, 1926. Serial No. 84,508. 5 Claims. (Cl. 75—1.)

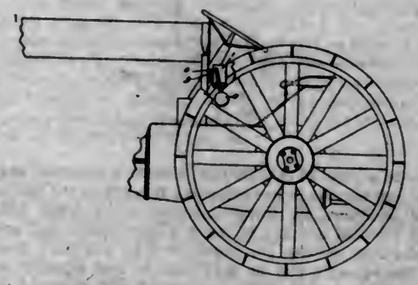
1. A new wrought metal article composed of an alloy consisting essentially of copper and tin with aluminum, approximately in the proportions copper 95.5%, tin 2%, aluminum 2.5%, the aluminum being in excess of the tin.

1,631,000. PIPE CARRIER. WILLIAM F. BOSSERT, Utica, N. Y., assignor to Signal Accessories Corporation, Utica, N. Y., a Corporation of New York. Filed July 2, 1924. Serial No. 723,712. 1 Claim. (Cl. 248—30.)



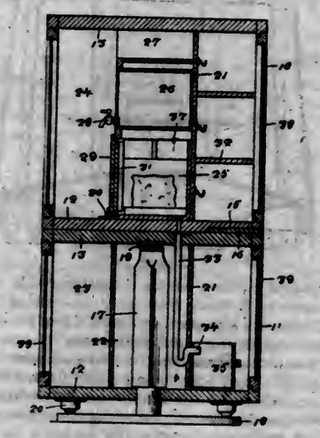
A pipe carrier comprising a body portion provided with an elongated slot through which a bolt is adapted to extend for adjustably securing the carrier to a support, and upright pairs of complementary pipe clamping members integral with the base, each member having an arcuate upper portion so that each pair is adapted to receive a pipe, the upright members of each pair being spaced apart throughout substantially their entire length, and means disposed below the arcuate portions for drawing the uprights of each pair toward each other to tightly grip a pipe.

1,631,001. SWITCH. ARTHUR E. BOST, Waelder, Tex. Filed Oct. 13, 1923. Serial No. 668,415. 1 Claim. (Cl. 200—52.)



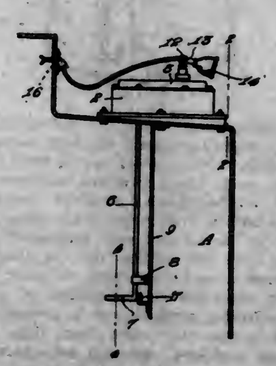
A switch of the class described, comprising a bracket having a pair of outwardly extending arms thereon, one arm being slotted, a block pivotally connected with one arm and a bolt and nut for connecting the other arm to the block, the bolt passing through the slot in said arm, a weighted arm pivoted to the block, means for electrically connecting said arm with an ignition circuit, a contact connected with the said circuit and carried by the block and against which the arm will rest as long as the block is in a vertical position and a stop on the block for limiting the movement of the arm when the block is moved to a tilted position.

1,631,002. FURNITURE. FRED BOWMAN and EDWARD ELLIS, Cushing, Okla. Filed Apr. 21, 1926. Serial No. 103,534. 1 Claim. (Cl. 45—16.)



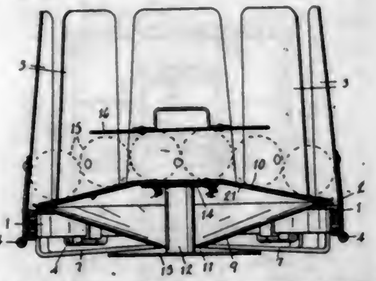
An article of furniture comprising a casing, a partition dividing the casing into an upper section and a lower section, vertical partitions dividing each section into separate compartments including an inner central compartment and outer compartments surrounding the inner compartment, an ice chamber in the inner compartment of the upper section, a pan within one of the compartments of the lower section, a drain pipe extending from the ice chamber into the pan, a door for each compartment, a vertical swinging door having its lower edge hingedly secured at the bottom of the ice chamber and opening outwardly into one of the compartments and ice guides carried upon the inner face of the door.

1,631,003. SPOTLIGHT FOR MAIL CARS. DENNIS FLETCHER BRADSHAW, Indianapolis, Ind. Filed Oct. 2, 1926. Serial No. 139,129. 1 Claim. (Cl. 240—7.1.)



In combination with a mail car, a casing mounted on the roof thereof, a shaft journaled in the casing and projecting from the top thereof, a tubular member of substantially T shape and having its depending part connected with the shaft, a lamp connected with one end of the tubular member, conductors for the lamp passing into the other end of the tubular member and connected with the lamp, said conductors passing into the interior of the car, a shaft having one end journaled in the casing and the said shaft depending into the car, a handle on the lower end of the shaft and gears connecting the two shafts together.

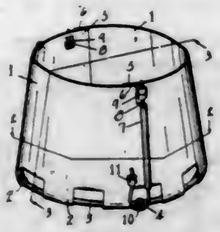
1,631,004. PACKING DEVICE. WILLIAM A. BRECKON, Lee Township, Allegan County, Mich. Filed Apr. 16, 1926. Serial No. 102,476. 11 Claims. (Cl. 226—17.)



10. A basket packing device comprising side wall members, a concave bottom removably associated with said side wall members and provided with a flexible diaphragm, means for supporting said diaphragm in an upwardly crowned position permitting it to be collapsed within the concave bottom, and a retaining plate for holding packed articles in position as the diaphragm is collapsed.

11. In a packing device, the combination of a base, a plurality of side members pivotally mounted on said base, means for holding said side members in erected position to receive a basket permitting limited independent movement of said side members on their pivots, and a bottom removably associated with said side members and constituting a follower for retaining the packed articles when the device is withdrawn from a basket arranged thereon.

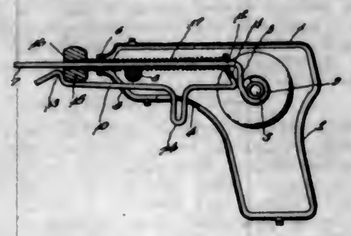
1,631,005. FRUIT PACKING BASKET. WILLIAM A. BRECKON, Lee Township, Allegan County, Mich. Filed Aug. 11, 1926. Serial No. 128,556. 10 Claims. (Cl. 226—17.)



1. In a basket packing device, the combination of pivotally connected segmental hinge members, segmental complementary walls of sheet metal having their lower edges headed about said hinge members whereby said wall members are reinforced and pivotally connected, said wall members having overlapping edges when closed, the vertical edge of one of said wall members being beaded to provide a latch rod support and the other having a loop-like keeper struck therefrom to aline with said latch support when the wall members are closed, said wall members having portions struck inwardly therefrom and disposed in spaced relation from their lower ends providing ledge members, segmental ledge bars secured to said ledge members, a latch rod slidable in said latch rod support to engage said keeper when the walls are closed, and a bottom removably supported on said ledge.

1,631,006. TOY PISTOL. STEWART BROWN, Chicago, Ill., assignor of one-half to Harland K. Delahanty, Chicago, Ill. Filed Nov. 8, 1924. Serial No. 748,737. 9 Claims. (Cl. 124—10.)

8. A toy pistol including a missile supporting member, a missile adapted to be carried by the supporting member and to be projected therefrom, means for holding the missile against projection from the supporting member, and means for projecting the missile when free from engagement with the holding means, said projecting



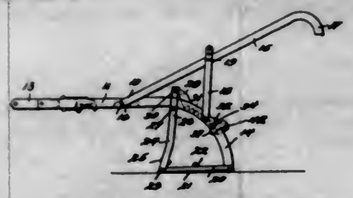
means having engagement with the holding means for holding the holding means in holding relation with the missile.

1,631,007. BLOWPIPE TIP. JAMES H. BUCKNAM, Jersey City, N. Y., assignor, by direct and mesne assignments, of one-half to The Linde Air Products Company, a Corporation of Ohio, and one-half to The Harris Calorific Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 1, 1922. Serial No. 585,785. 10 Claims. (Cl. 158—27.4.)



1. A blowpipe tip having an oxidizing gas passage and a heating gas passage, both passages extending to the end of said tip, the outlet orifices of said passages being disposed near one another and one of said orifices being counterbored.

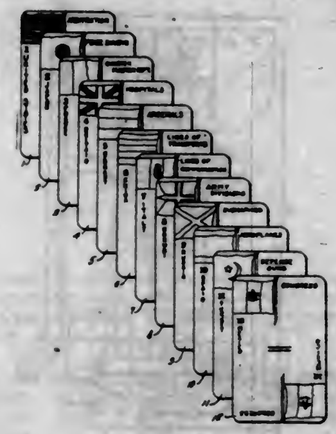
1,631,008. PLOW STOCK. ELBERT M. CHAPPELL, Hartsville, S. C., assignor to Hartsville Manufacturing Company, Hartsville, S. C., a Corporation of South Carolina. Filed Jan. 24, 1925. Serial No. 4,463. 8 Claims. (Cl. 97—110.)



1. In a plow, in combination, a beam, a quadrant shaped rear end thereon, a bar extending forward of the end from said quadrant, an upright pivoted at its lower end to said bar and adapted to carry a plow blade, and means conforming to the curvature of said quadrant pivoted to the opposite end of said upright and adapted to be adjustably engaged with a portion of said quadrant when the quadrant and the means are substantially concentric.

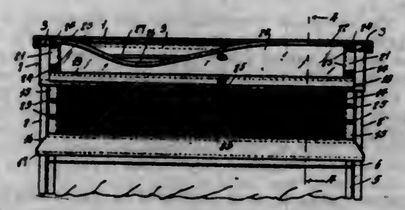
1,631,009. GAME. CHESTER H. CLARK, Gallup, N. Mex. Filed Sept. 29, 1926. Serial No. 138,486. 1 Claim. (Cl. 273—152.)

In a card game, a plurality of sets of cards, each set representing a different country and each set including cards carrying data representing military and civil sources, counters for use by each player, a major card entitling the holder thereof to special privilege, a card in each set for use in a central group, to which counters are contributed and from which loans may be made, and a peace card to be played into the central group and entitling



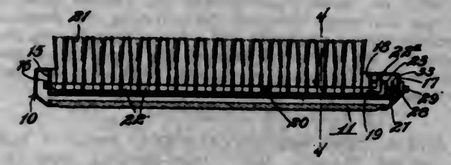
the holder who makes the play to payments of counters from all of the other players, the two cards last named carrying characteristic designations.

1,631,010. COMBINED GLARE, WIND, RAIN, AND INSECT SHIELD FOR AUTOMOBILES. WELLINGTON I. CLEMENTS, Norfolk, Va. Filed Mar. 2, 1926. Serial No. 91,742. 14 Claims. (Cl. 296—95.)



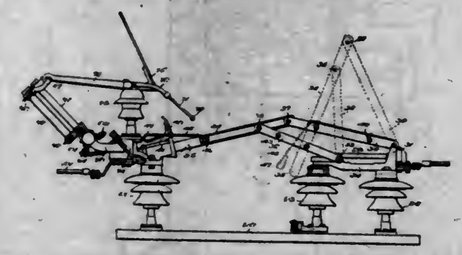
6. A shield for an automobile comprising a panel, means adapted to secure the panel to the automobile in rear of the windshield, a second and reticulated panel secured to the first panel, a third panel having transparent and opaque portions, means adapted to secure the third panel in folded position to the first panel, and means adapted to secure the third panel in extended position to the second panel.

1,631,011. FOLDING BRUSH. JAMES FREDERIC CONNON, Cleveland, Ohio. Filed Dec. 1, 1925. Serial No. 72,559. 11 Claims. (Cl. 15—203.)



1. An article of the character described comprising a case having a back and side walls, a plurality of oscillatable bristle holders extending parallel to each other and one of the side walls and carrying projecting tufts of bristles, each bristle holder being U-shaped in cross section and being disposed with its open face toward the back and being perforated at intervals, the tufts of bristles extending through said perforations in a direction away from said back, and means for oscillating the bristle holders.

1,631,012. SWITCH. NICHOLAS J. CONRAD, Chicago, Ill., assignor to Schweitzer & Conrad, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1925. Serial No. 74,930. 21 Claims. (Cl. 200—114.)



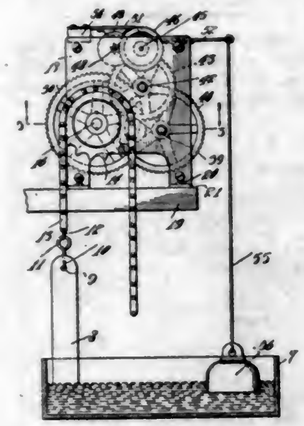
4. In combination, a pair of relatively movable switch contacts, a fuse having a fuse contact at one terminal and having the other terminal connected permanently to one of said switch contacts, means for separating said switch contacts by a relatively continuous movement, the separation of said switch contacts first throwing the fuse in circuit and then by continuous movement disconnecting the fuse contact.

1,631,013. TOOTHBRUSH. ERIC LEOPOLD HUGO COSBY, Teddington, England. Filed Sept. 17, 1925, Serial No. 56,078, and in Great Britain Sept. 17, 1924. 3 Claims. (Cl. 15—176.)



1. A tooth brush comprising a handle having at one end a recessed back portion and having a depression in one of its faces adjacent its other end, said handle also having a longitudinal bore communicating with one end of said recess and with one end of said depression, a rod insertable in said longitudinal bore and having one end projecting into the hollow back portion, a flat spring carried by the opposite end of said rod and adapted to be inserted flatwise in the depression of the handle and having its free end engageable with an end of said depression with its intermediate portion bowed, and a bristle carrying stock adapted to be inserted in the recess of the back portion with one end in engagement with one end of said recess and its other end engaged by said rod.

1,631,014. POT FEEDER FOR TYPE-CASTING MACHINES. GEORGE M. COX, Mobile, Ala., assignor of one-half to JONAS MARX, Mobile, Ala. Filed Aug. 30, 1926. Serial No. 132,574. 3 Claims. (Cl. 22—80.)



1. A pot feeder for type casting machines comprising a movable ingot holder, a gear train coupled to be driven by said holder, a rapidly moving brake drum driven by said gear train and having a peripheral groove therein with wedge shaped cross-sectional area, a brake lever fulcrumed adjoining said drum, a wedge shaped brake shoe carried by said lever and adapted to enter the groove of said drum, means for urging said shoe against the drum, and a boat for balancing said last-named means and for moving the brake shoe away from the drum.

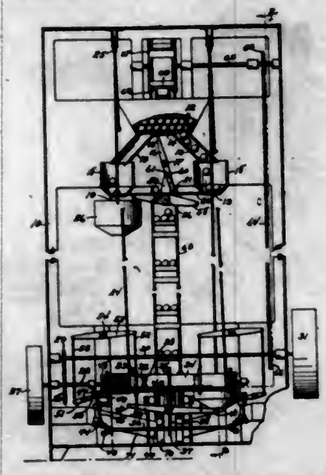
1,631,015. BRUSH. WILLIAM J. COX, Lebanon, Pa. Filed Sept. 8, 1926. Serial No. 134,241. 1 Claim. (Cl. 15—160.)



As a new article of manufacture, a brush for cleaning the spokes of a wheel comprising an elongated body, a spindle extending axially through the body and having a portion extended to provide a handle, the outer portion of the body being reduced in diameter to provide a cylindrical head at the outer end of the body, the portion of the body inwardly of and immediately adjacent to the head constituting a neck, the inner end of the neck and the inner end portion of the body being connected by a gradually tapered portion, and a buffer of yieldable material overlying the outer end of the spindle.

1,631,016. TOY MOTOR. JOHN L. CRAVEN, Indianapolis, Ind. Filed Jan. 23, 1925. Serial No. 4,349. 3 Claims. (Cl. 46—37.)

1. In a device of the character described, a hopper having a pair of discharge chutes in its bottom, receivers located beneath said chutes, slidable plates controlling communication to the chutes and from the receivers, trip operated means connected with said plates for sliding the same in opposite direction, a shaft, a pair of drums thereon, flexible members secured to and wrapped about said drums and trained over guide pulleys at the top of the device, buckets carried by said flexible members and adapted to receive from said receivers, balls within the hopper adapted to pass into the buckets alternately

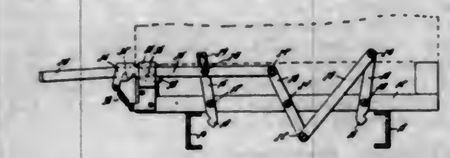


for weighting the same, an elevator carrier discharging into the hopper, and an operative connection between the drums and said elevator carrier.

1,631,017. PROCESS FOR PRESERVING OR CANNING FRUIT. STUART L. CRAWFORD, Rochester, N. Y. Filed Sept. 10, 1926. Serial No. 134,753. 3 Claims. (Cl. 99—8.)

3. The process of preparing fruit for preserving which comprises immersing the fruit from 1 to 5 minutes in a sugar solution having a boiling point of from 215 degrees to 240 degrees F., said treatment being adapted to remove the air from the fruit and fill up the cells with sugar solution, whereby the air is replaced by the cane syrup which is thus absorbed in the tissue.

1,631,018. MEANS FOR RETAINING THE DUMPING ELEMENTS OF VEHICLES. JOHN S. CURTIS, Oakland, Ill. Filed Jan. 6, 1926. Serial No. 79,644. 2 Claims. (Cl. 298—38.)

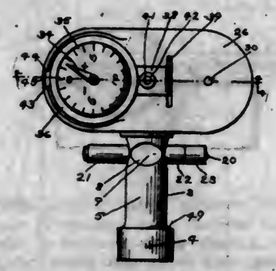


1. In a device of the class described, a plurality of pivotally mounted hooks having engaging portions on reverse sides thereof, means for mounting the hooks on the forward portion of a dumping element, means controlling the hooks simultaneously and causing them to engage stationary elements, for retaining the dumping element against movement, and a device for retaining and releasing the controlling means, the operation of said device being incident to the manual shifting of said controlling means.

1,631,019. MICROMETER CALIPERS. PHILIP J. DARLINGTON, Brookline, Mass. Filed Sept. 24, 1926. Serial No. 137,500. 3 Claims. (Cl. 33—178.)

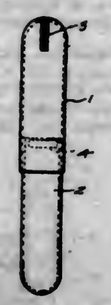
1. A micrometer caliper having a casing, a plug with an expansible section attached to said casing, a plunger longitudinally movable in said plug and having a tapered

end arranged to engage and expand the plug, an oscillating arm in the casing and held in engagement with and responsive to the movements of said plunger, means for amplifying the movements of said arm, an index



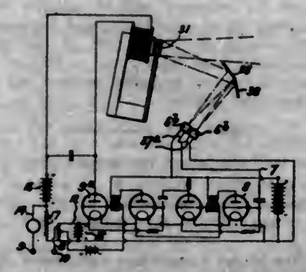
arm rotated by said amplifying means, and a graduated scale adjustably mounted in said casing on which the index reads to indicate the amount of expansion of the said plug.

1,631,020. CIGAR AND CIGARETTE LIGHTING CONTAINER. RUSSELL H. DOAK, Pine Bluff, Ark. Filed Sept. 17, 1925. Serial No. 56,977. 1 Claim. (Cl. 44—48.)



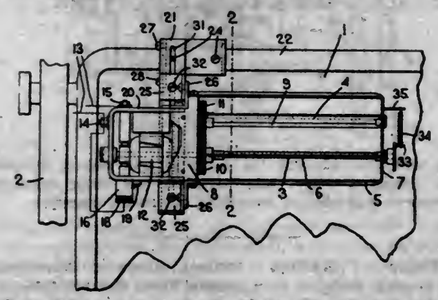
An individual container for cigars and cigarettes, comprising a paper container sufficiently rigid to reinforce its contents, said container consisting of two hollow members closed at one of their ends and telescopically engaging one another at their open ends, a strip of chemical composition on the end of the inner member and covered by the outer member when the container is closed, and another strip of chemical on the closed end of the outer member that will ignite said member when rubbed on the first mentioned strip.

1,631,021. THERMIONIC INDICATING MEANS RESPONSIVE TO LIGHT VARIATIONS. JOHN JOSEPH DOWLING, Rathgar, Dublin, Ireland. Filed Mar. 2, 1926. Serial No. 91,780, and in Great Britain Apr. 15, 1925. 7 Claims. (Cl. 250—2.)



1. Light responsive means of the kind herein referred to comprising a thermionic valve receiver system, indicating means associated therewith, and means for continuously subjecting the said system to electric current oscillations persistence of which is necessary to prevent any indication being given that predetermined light conditions are departed from, such means being operated by impulses derived from the receiver system.

1,631,022. GLARE ELIMINATOR. RALPH E. EAVES and WILLIAM C. KEEN, Allston, Mass. Filed Mar. 1, 1926. Serial No. 91,437. 6 Claims. (Cl. 296—97.)



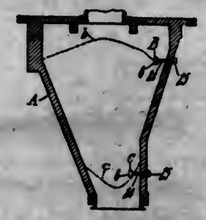
1. A glare screen for automobiles comprising a blade rotatable about an axis extending at substantially right angles to the line of vision of the driver of the automobile, and means to rotate said blade continuously and rapidly, whereby the amount of light which passes through the rotating blade to the driver's eye increases progressively from the axial line of rotation outwardly.

1,631,023. FOOD PRODUCT AND METHOD OF MAKING THE SAME. CARL FELDHUSEN, Boise, Idaho. Filed Mar. 25, 1924. Serial No. 701,840. 7 Claims. (Cl. 99—5.)

2. A food product comprising a dried mixture of a gelatinized, dry food material and milk.

5. The method of making a food product, which comprises gelatinizing and drying a vegetable product, mixing the same with milk and thereafter drying the mixture.

1,631,024. ELECTRIC-CIRCUIT-CONTROLLING APPARATUS. SAMUEL G. FISHER, Boston, Mass. Filed Dec. 27, 1924. Serial No. 758,356. 4 Claims. (Cl. 200—52.)

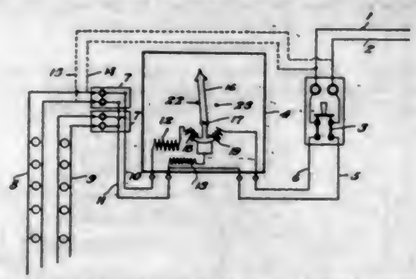


1. An apparatus of the class described comprising, in combination, a casing provided with an opening in one of the walls thereof and also having a dust tight compartment located therein having an enclosed passageway communicating therewith, an actuating member pivotally mounted within said casing at the rear of said opening, and means connected to said actuating member and extending through said compartment and passageway and adapted to operate a signal.

1,631,025. CURRENT-THEFT INDICATOR. ORILL FLENER, Fort Smith, Ark. Filed Dec. 23, 1925. Serial No. 77,333. 3 Claims. (Cl. 171—34.)

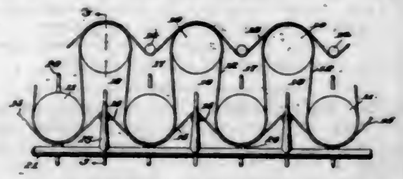
1. The combination with a watt hour meter having a current coil, and a potential coil therein bridging the line and load connection, the combination of a signal

device including coils connected in series with each other and with said current coil, a movable indicator pivotally mounted and having armature arms acted upon



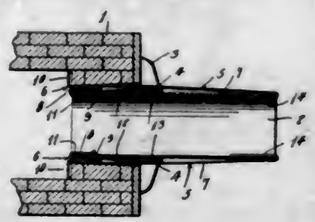
by said coils whereby the indicator will remain normally in neutral position, said potential coil being connected between said coils to constitute a return connection.

1,631,026. DRYING. FREDRIK GREWIN, Norrkoping, Sweden, assignor to American Voith Contact Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 18, 1927, Serial No. 161,903, and in Sweden Oct. 24, 1923. 17 Claims. (Cl. 34—48.)



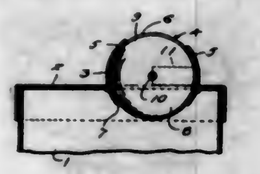
1. In combination, a plurality of cylinders over which a web of material to be dried is carried, the cylinders and web forming laterally extending spaces of uniform cross-section with open ends, and means to direct a single thin current of air at high speed through each of said spaces in direction substantially along the center lines of said spaces.

1,631,027. STOVEPIPE LOCK. FRANK X. GRIES, Sunbury, Pa., assignor to Charles J. Reitz, Sunbury, Pa. Filed Aug. 6, 1925. Serial No. 48,583. 1 Claim. (Cl. 126—318.)



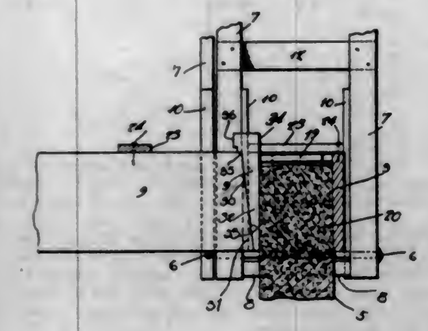
A stovepipe lock comprising, in combination with a collar bearing against the chimney and provided adjacent its inner edge with a slot and a stovepipe section passing through the collar into the chimney, an anchor provided at one end with a slot and at the other with hooks engaging the chimney and the inner end of the stovepipe section, and a strap passing through said slot of the collar and having an inner looped portion passing through said slot of the anchor, said looped portion being provided at its free end with a hook engaging that portion of the collar located between the inner edge thereof and its slot, and said strap being provided at its outer end with a hook engaging the outer end of the stovepipe section.

1,631,028. MEASURING CANISTER. BENJAMIN J. GUNDERSON, Spring Grove, Minn. Filed May 3, 1924. Serial No. 710,818. 1 Claim. (Cl. 221—106.)



A container provided with a rectangular opening through a wall thereof, disks disposed at opposite ends of the opening, arcuate plates arranged at opposite sides of said opening, said disks and plates being disposed partly interiorly and partly exteriorly of the container and coacting to provide discharge ways one interiorly of the container and the other exteriorly thereof, a rotary measuring vessel snugly fitting between the said disks and plates and having an opening therein, said vessel having a shaft journaled in said disks, said shaft being exteriorly of the wall of the container, and a substantially rectangular stop element on one end of the shaft engageable at opposite sides with said wall to limit its rotation in each direction to thereby insure registration of the opening of the measuring vessel with said ways.

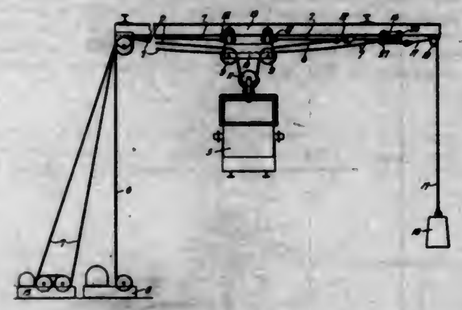
1,631,029. BUILDING FORM FOR CONCRETE STRUCTURES. GEORGE L. HAGY, San Antonio, Tex. Filed Oct. 27, 1926. Serial No. 144,518. 4 Claims. (Cl. 25—131.)



1. In a form for concrete walls, uprights arranged at opposite sides of the walls of an angular foundation or base, inner and outer form boards supported between said uprights with the form boards arranged in end to end angular relation, an end of one inner form board being squared, and the adjacent end of another inner form board being mitered at an outward and downward incline to partially overlap the lower part of the squared end of said one inner form board, and a release wedge engaging said mitered end and said squared end of the respective inner form boards.

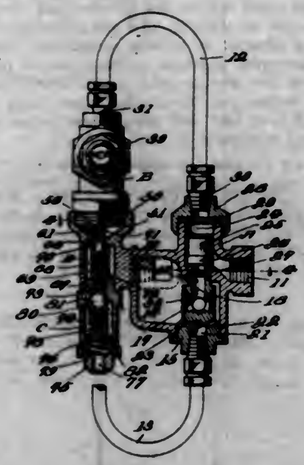
1,631,030. TROLLEY-BUCKET-ROPE TAKE-UP. HOWARD V. HARDING, Hudson, N. Y., assignor to Gifford-Wood Company, a Corporation of New York. Filed Nov. 26, 1926. Serial No. 150,802. 4 Claims. (Cl. 104—91.)

2. A trolley bucket installation comprising, in combination, an elevated track; a trolley movable along the track; a bucket supported by the trolley; a trolley rope secured to the opposite ends of the trolley; means for driving the trolley rope to cause the bucket to travel; a carriage movable along the track; a sheave on said carriage; the trolley rope passing from the trolley around said sheave and thence to the driving means; and a



gravity actuated slack take-up device connected with the sheave carriage so as to maintain the trolley rope at all times under substantially constant tension, and so as to yield responsive to heavy strains on the rope.

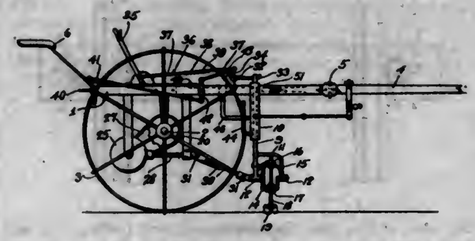
1,631,031. UNLOADER ASSEMBLY. GEORGE EDGAR HAZARD, Rochester, N. Y., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Filed Sept. 22, 1925. Serial No. 57,840. 3 Claims. (Cl. 137—153.)



1. An unloader assembly adapted for use in an air line between a compressor and its storage tank comprising a check valve, an unloader, and a relief valve, the parts arranged whereby the unloader operates at a predetermined pressure in the storage tank the air being compressed by the compressor and insures the compressor starting against zero pressure when the unloader operates to again permit the delivery of air to the storage tank.

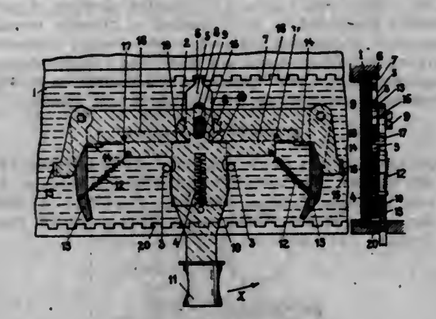
1,631,032. COTTON CHOPPER. OSCAR S. HELLUMS, Dawson, Tex. Filed June 29, 1925. Serial No. 40,395. 4 Claims. (Cl. 97—13.)

1. A cotton chopper comprising a wheeled frame, a vertically movable frame carried thereby and including horizontal bars, a laterally movable frame having portions slidably engaging the horizontal bars, a crank shaft carried by the laterally movable frame, a tool actuated by the crank shaft, a tool engaging part mounted for



oscillatory movement on the laterally movable frame, means for rotating the crank shaft, means for adjusting the vertically movable frame and means for adjusting the laterally movable frame.

1,631,033. CALCULATING MACHINE. HERMANN HOFFMEISTER, Gliesmarode, near Brunswick, Germany, assignor to Grimme, Natalis & Co. Aktiengesellschaft, Brunswick, Germany, a Corporation of Germany. Filed Oct. 20, 1924, Serial No. 744,789, and in Germany Oct. 27, 1923. 5 Claims. (Cl. 235—63.)

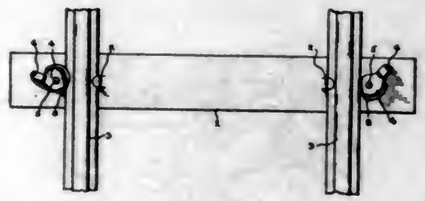


1. In a calculating machine or the like embodying a casing and a carriage slidable in said casing, a latch for securing the carriage in adjusted positions in said casing, an operating member mounted on said carriage for sliding movement and also for rocking movement, means operable by either a sliding or rocking movement of said operating member to retract said latch, and means associated with said operating member and engageable with said casing in the rocking movement of the operating member to limit the advancing movement of said carriage.

1,631,034. MINE-TRACK TIE. ELLIS G. HOLST, Lavoye, Wyo. Filed Dec. 13, 1924. Serial No. 755,697. 1 Claim. (Cl. 238—341.)

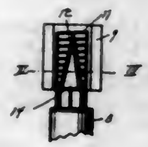
A rail tie having rail fastening means carried thereby consisting of a rail flange engaging ear upstruck from the tie, and a locking member opposed to said ear and movable into and out of engaging position with the rail flange, said locking member being of disk form and having an eccentric pivotal mounting on the tie and provided, for a portion of its periphery, with a flange which in

certain positions of the member overhangs the rail flange, said locking member being provided with a radial extension constituting a handle for effecting its movement and



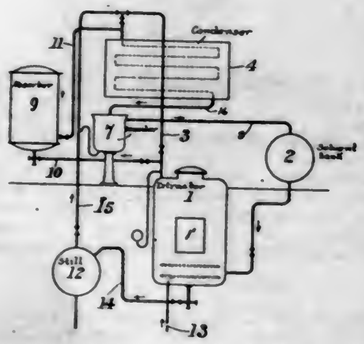
the edge of the disk constituting a cam forcing the rail flange laterally into engagement with said upstruck ear as said locking member is turned in rail locking position.

1,631,035. RADIOTUBE. HENRY K. HUPPERT, San Francisco, Calif. Filed Dec. 21, 1925. Serial No. 76,820. 1 Claim. (Cl. 250—27.5.)



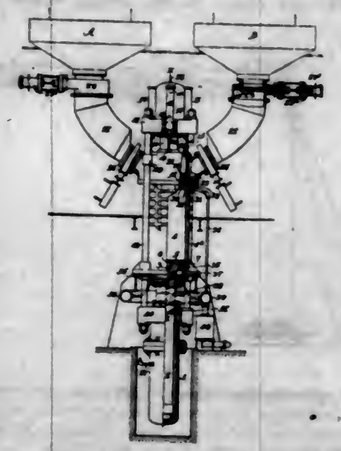
In a radio tube having an evacuated chamber, a plate element positioned in said chamber, a filament element positioned within said chamber, a grid element interposed between said filament and said plate, and a fourth-element positioned within said tube in such a manner as to have its margins substantially surrounded by said filament.

1,631,036. APPARATUS FOR THE EXTRACTION AND RECOVERY OF VOLATILE LIQUIDS. EDWARD ALLAN IRONSIDE, London, England. Filed Nov. 6, 1925, Serial No. 67,390, and in Great Britain Nov. 8, 1924. 1 Claim. (Cl. 252—4.)



A plant or installation for the recovery of solvents from gases or other materials employing an extractor connected by tubes to an adsorber forming part of the plant whereby a solvent introduced into the extractor can be exhaustively recovered from such extractor by passing steam or air under pressure through the extractor to the adsorber.

1,631,037. HYDRAULIC PRESS. WILLIAM B. KOCHENDERFER, Camden, N. J. Filed Oct. 28, 1921. Serial No. 511,213. 10 Claims. (Cl. 100—50.)



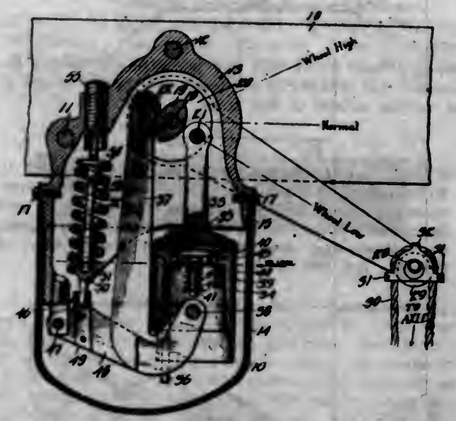
1. In a hydraulic press, the combination of a vertically disposed cylinder, a pair of unobstructed heads vertically movable with respect to said cylinder; the upper head fitting within and serving normally as a closure for one end of the cylinder and the lower head sliding within the cylinder and serving as a compressing element, a plurality of means for delivering fixed charges of material to the compressing chamber, a movable casing closing the upper end of the cylinder and through which such material is charged into the cylinder; said upper head being adapted to operate within said casing out of contact therewith, pressure means actuated from a common source for moving said heads toward each other, auxiliary means for lifting the upper head while the lower head is at rest, and independent means for imparting vertical movement to said casing.

1,631,038. GLASS-PLATE FASTENER. WILLIAM LA HODNY and FRANK X. KIBITZ, Buffalo, N. Y., assignors to Standard Mirror Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed May 23, 1924. Serial No. 715,495. 1 Claim. (Cl. 16—1.)



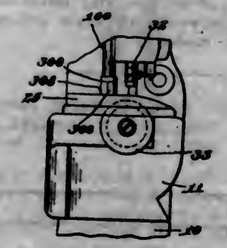
A fastener for attaching to a surface a glass plate having longitudinal edges, transverse edges and bearing faces converging from the opposite longitudinal edges toward said transverse edges, comprising a base adapted to be secured to said surface and a flange rising from said base and having a transverse central part adapted to engage with a transverse edge of the plate and two end parts diverging inwardly from opposite ends of said transverse part and adapted to engage with said bearing faces, said transverse edges of the plate being beveled and the flange portions of the fastener engaging therewith being correspondingly beveled, and the upper sides of said flange portions terminating below the front side of said plate.

1,631,039. SHOCK ABSORBER. FRANK F. LANDIS, Waynesboro, Pa. Filed Oct. 7, 1924. Serial No. 742,248. 43 Claims. (Cl. 267—8.)



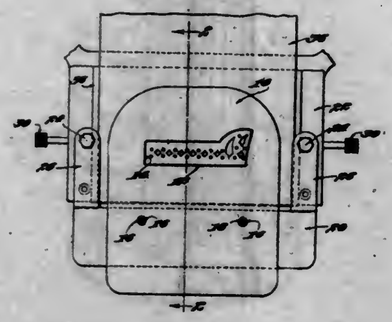
1. In a hydraulic shock diffuser, a container for liquid, an inverted cylinder open at the bottom end only sealed by the liquid, a piston in the cylinder, and means for moving the cylinder and piston relatively to each other while keeping the interior of the cylinder free of air, substantially as set forth.

1,631,040. PRESSING DEVICE FOR FOLDING MACHINES. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to Lorenz Muther, Newton, Mass. Filed Dec. 1, 1922. Serial No. 604,346. 15 Claims. (Cl. 12—55.)



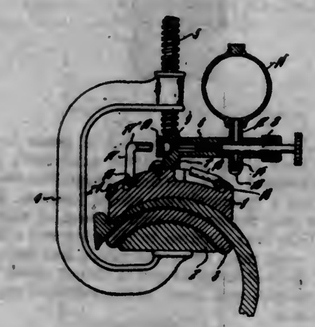
1. A pressing device for folding machines having a main pressing member and a member retractable within said main pressing member but normally advanced for engaging the upturned fold approximately flatwise; said device being rotatable to press convexly curved edges radially.

1,631,041. GAUGE FOR PERFORATING MACHINES. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1924. Serial No. 686,816. 13 Claims. (Cl. 164—93.)



1. A gauge for perforating machines comprising a plate having a cut-out portion or opening for holding a shoe part by frictional engagement between the edge of said shoe part and the edge of said cut-out portion, said cut-out portion being of the same contour and size as said shoe part, and means for positioning said gauge in the machine.

1,631,042. VULCANIZER. GEORGE W. LEWIS, Oilton, Okla. Filed Nov. 4, 1925, Serial No. 66,803. Renewed Apr. 13, 1927. 4 Claims. (Cl. 18—18.)



1. A vulcanizer comprising a base having a groove and a recess therein, a burner tube in the groove with its ends bent and resting in the recess, said recess acting as an initial heating means, a nozzle carrying member supported on the base above the recess, an extension on the burner tube for receiving the vapor from the nozzle and means for supplying fuel to the nozzle carrying member.

1,631,043. BOBBIN. NOAH E. LUCAS, Norwich, Conn. Filed Sept. 14, 1925. Serial No. 56,195. 5 Claims. (Cl. 242—118.)

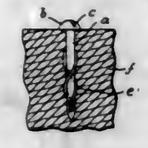
1. A bobbin having a groove extending in a spiral direction lengthwise along the side thereof and of a

pitch to aid in the removal of material therefrom in a mass on application of a relative turning movement to



the mass and bobbin, said groove having a single shoulder located at one side thereof, and means for supporting the bobbin.

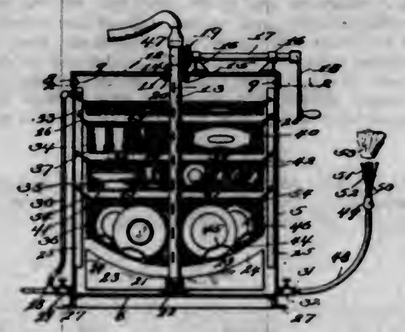
1,631,044. NAIL, SCREW NAIL, AND THE LIKE. EDWARD LYTTON, London, England. Original application filed Dec. 22, 1924, Serial No. 757,481, and in Great Britain Feb. 28, 1924. Divided and this application filed June 8, 1925. Serial No. 35,647. 1 Claim. (Cl. 85—23.)



A nail or spike device comprising a shank having a pointed end, said shank also having a plurality of projecting longitudinal ribs formed integrally therewith, each rib having a comparatively strong junction with the shank at its end nearer the pointed end of the shank, and having from that junction to its other end a junction which is so weak that, when the device has been driven home into a piece of material and is turned about its axis said latter junction will shear and permit the rib to coil about the shank.

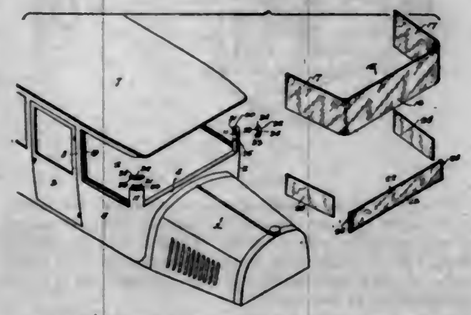
1,631,045. DISHWASHER. CYRENE M. MACON, Dallas, Tex. Filed July 11, 1923. Serial No. 650,948. 1 Claim. (Cl. 141—9.)

In a dish washer, the combination of a body having a rotary tubular shaft extending upwardly through the center thereof and provided with an inlet and a plurality of discharge openings throughout the length of the same, a plurality of foraminous trays disposed one above the other for holding dishes and other articles and arranged in concentric relation relatively to the shaft, the lower tray being materially larger in dimensions than the trays above and having a depending convex bottom to increase the capacity thereof, and radial blades on the lower extremity of the shaft below the convex bottom of the lowermost larger tray for agitating and circulating the water within the body and through the trays, the upper edges of the said radial blades being concave and closely and rotatably movable with relation to the convex



bottom of said lower tray and permitting a greater dependence and capacity of the lower tray by the extent of the convex bottom of the latter.

1,631,046. AUTOMOBILE WINDSHIELD. JOSEPH P. MCCULLOUGH, Philadelphia, Pa., assignor of thirty-three per cent to Joseph M. Evans, Camden, N. J., and thirty-two per cent to Walter H. Conard, Philadelphia, Pa. Filed Jan. 29, 1926. Serial No. 84,671. 5 Claims. (Cl. 296—84.)



1. An automobile body comprising lower side portions; a front portion; corner members at the juncture of said front and side portions; upright supporting members extending above said lower side portions and spaced to the rear of said corner members; a one piece wind shield comprising a front plate and side wings, spaced above said lower side portions and said front portion; a movable wind shield section below said front plate between said corner members, and movable wind shield sections below said side wings, between said corner members and said upright supporting members.

1,631,047. BOAT. HERMANN MEYER, Berlin, Germany. Filed Apr. 14, 1926, Serial No. 102,011, and in Germany Feb. 14, 1925. 3 Claims. (Cl. 9—2.)



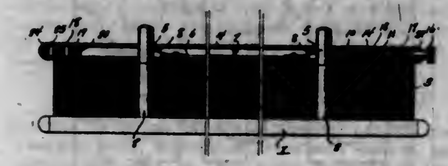
1. A boat hull comprising an inflatable and expansible annular tube and bow and stern members, each open at the inner end and tapering toward the outer end, the ends of the said inflatable tubes being arranged in the open inner ends of said bow and stern members and secured thereto.

1,631,048. PACKAGE. CHARLES E. MILLER, McSherrytown, Pa. Filed Aug. 31, 1926. Serial No. 132,767. 5 Claims. (Cl. 181—11.)



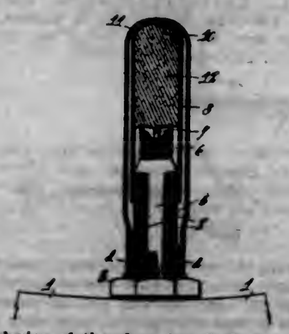
1. A package container for curved articles comprising a box having the inner side of the bottom thereof shaped to conform to the contour of the curved article which forms the lower layer of the contents of said box.

1,631,049. TEMPORARY BINDER. HENRY C. MILLER, Milwaukee, Wis.; First Wisconsin Trust Company, Milwaukee, Wis., executor of said Henry C. Miller, deceased. Filed Sept. 6, 1923. Serial No. 661,177. 2 Claims. (Cl. 129—12.)



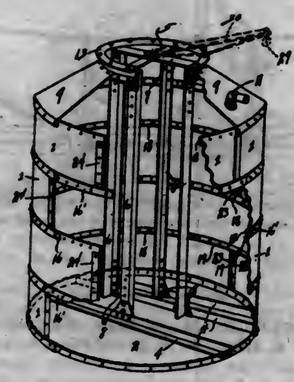
1. A loose leaf binder comprising a bottom member having a pair of upwardly extending posts, a tubular top member having a pair of apertures therethrough for loosely receiving said posts, a locking bar normally free to move relatively to said posts located interiorly of said tubular member and having terminal upwardly and outwardly extending locking tongues and externally manually operable means extending into said tubular member for forcing said posts towards each other and into engagement with said locking tongues.

1,631,050. VALVE CAP. EDWARD JAMES MURPHY, Framingham, Mass. Filed Dec. 14, 1925. Serial No. 75,368. 4 Claims. (Cl. 152—12.)



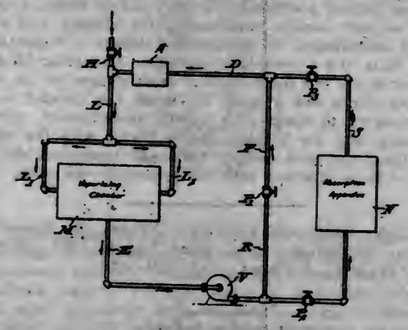
4. In a device of the class described, the combination with a tire valve stem having flat sides, lock nut, valve and dust cap, of a valve cap adapted to be applied over the end of the valve stem and of a length for extending vertically into position for being engaged by the said dust cap as it is screwed home and having a gasket to engage said stem end whereby when the dust cap is screwed home upon the lock nut the gasket will be compressed against the said stem end, said valve cap having flattened portions for engaging the flat sides of the valve stem to prevent rotation of said cap, said gasket being so shaped and positioned that when compressed against the stem end a portion thereof will engage the plunger of the valve to hold the same normally away from its seat to prevent wear by constant pressure.

1,631,051. OIL TANK. WATT M. NICHOLS, Ranger, Tex. Filed Aug. 14, 1925. Serial No. 50,318. 5 Claims. (Cl. 220—5.)



1. An oil tank comprising a bottom and angle bars attached thereto, a cylindrical wall attached to said bottom and consisting of a plurality of tiers superposed on each other and each tier consisting of a plurality of units connected together by seal tight joints, a top connected to the upper tier of units, a central ring frame attached to said top, and braces attached to the circumferential portions of said frame and to said bottom angle bars.

1,631,052. PROCESS FOR THE RECOVERY OF VOLATILE SOLVENTS. RUDOLF OERTEL, Hanover, Germany, assignor to Metallbank und Metallurgische Gesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed June 8, 1926, Serial No. 114,582, and in Germany Apr. 7, 1924. 6 Claims. (Cl. 34—24.)

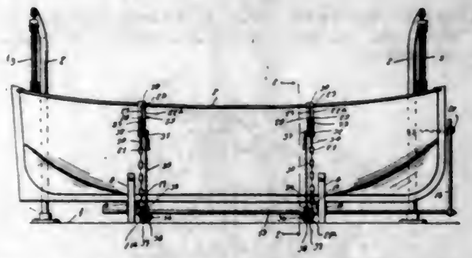


1. Process for recovering volatile solvents which comprises repeatedly contacting a body of gas with a source of solvent vapors and subsequently subjecting the resulting gas-solvent vapor mixture to a solvent vapor absorption operation.

1,631,053. LIFEBOAT SECURING AND RELEASING MECHANISM. GEORGE W. P. OVERMAN, Norfolk, Va. Filed Nov. 11, 1926. Serial No. 147,773. 12 Claims. (Cl. 9—22.)

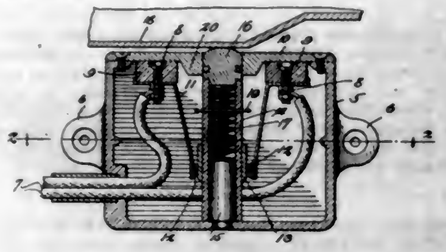
12. A life boat securing and releasing mechanism including chocks from which the boat may be swung in an outboard direction, pivoted jaws adapted to contact

with the keel of the boat to hold the boat against outward displacement from the chocks, hooks engaged with the boat, members secured to the deck of the vessel, catches releasably connecting the members to the hooks and adapted to be restrained to maintain the connection,



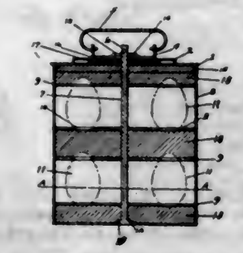
and means adapted to support the jaws in boat retaining position and to restrain the catches, said means being adapted to be operated to simultaneously move the jaws into boat releasing position and to release the catches.

1,631,054. SWITCH. BLAKE PALM, Washington, D. C. Filed Feb. 4, 1926. Serial No. 85,975. 1 Claim. (Cl. 200—159.)



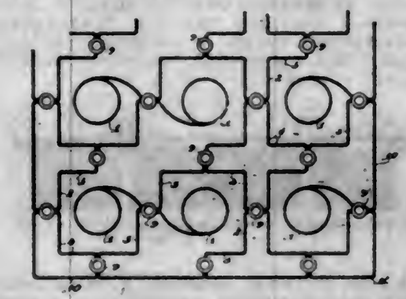
A switch of the class described embodying a housing, a guiding finger extending from one wall of the housing, a tubular plunger formed of insulating material and having one end thereof positioned over the guiding finger, a circular contact member surrounding the plunger and arranged intermediate the ends of the plunger, a removable cover plate and a removable end plate, insulating blocks secured to the end plate, contact arms secured to the insulating blocks and adapted to engage the circular contact member to complete a circuit therethrough, wires extending into the housing and in circuit with the contact arms, and said contact arms and insulating blocks adapted to be removed with the removable end plate.

1,631,055. EGG CONTAINER. NELSON B. PARRISH, Great Barrington, Mass. Filed July 9, 1926. Serial No. 121,482. 2 Claims. (Cl. 220—55.)



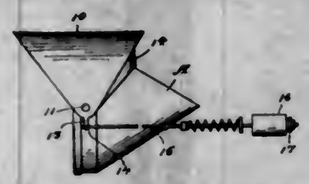
1. In a device of the class described comprising a casing, a cover for the said casing, said cover provided with a shoulder extending around the entire perimeter and said shoulder designed to seat within the casing, a clamping cover superimposed on the said cover, said clamping cover provided with an opening on the top and a card receptacle attached on the inner side of said clamping cover, said clamping cover and card receptacle cooperating to hold a shipping card, said card receptacle in alignment with the bottom of the said clamping cover, a clamp for said clamping cover, said clamp provided with a projection in the center to provide means for the insertion of a gasket, a handle attached to said clamp, a plurality of disks within the casing, said disks provided with a plurality of holes, a tie rod passing thru the casing, the disks, the clamping cover and the clamp, means to secure the tie rod in position and seal the casing water tight.

1,631,056. BED SPRING. JOHN PEPERNICK, Binghamton, N. Y. Filed June 4, 1926. Serial No. 113,795. 1 Claim. (Cl. 5—271.)



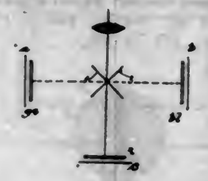
A bed spring comprising a plurality of juxtaposed helical springs, the opposite portions of each of said springs being bent in substantially right angular fashion to constitute approximately square framing units, portions of the various sides of said framing units having loops formed therein, the loops upon the adjacent portions of such framing units being adapted to be arranged in overlapping and aligning relation, securing means passing through the overlapping and aligned loops, and side rods having equi-spaced loops formed therein adapted to overlie and align with certain of the loops upon said framing units and to be fixedly connected thereto.

1,631,057. HEADLIGHT-DIMMING MECHANISM. GEORGE F. PHILLIPS and THOMAS H. TORIAN, Paducah, Ky. Filed Apr. 28, 1926. Serial No. 105,211. 2 Claims. (Cl. 240—45.6.)



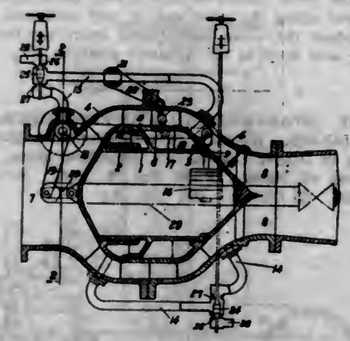
1. A dimming device for an automobile headlamp, comprising a visor curved in cross section and straddlingly engaged over the headlamp and pivoted thereto at substantially its intermediate portion, said visor being provided below its pivot with a downwardly extending crank arm, rearwardly extending means connected with said crank arm for swinging the visor downwardly, spring means normally maintaining the visor in horizontal position in non-obstructing relation to the rays of light issuing from the lamp, and a depending vertical flange at the rear end of the visor acting as a stop for maintaining the visor normally in horizontal position and being adapted to engage the top of the lamp at the lens retaining rim for limiting the downward swinging movement of the visor.

1,631,058. APPARATUS FOR MULTIPLEX PHOTOGRAPHY. HANS PILOTY, Munich, Germany, assignor to the Firm of Jos-Pe Farbenphoto Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Filed Oct. 10, 1924, Serial No. 742,932, and in Switzerland Feb. 13, 1924. 1 Claim. (Cl. 88—1.)



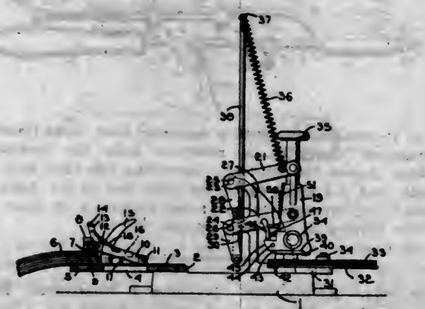
Tricolor photographic apparatus, comprising a lens system; an exit pupil for the lens system and determining the boundary of the rays within the angle of the image; and a light-splitting mirror device positioned immediately behind the lens system, said mirror device comprising, three strip-like mirrors two of which are arranged in a common plane, and the third of which crosses the said two and leaves a free space between the adjacent edges of the two.

1,631,059. AUTOMATIC SELF-CLOSING VALVE. OWEN ALFRED PRICE, Kilmarnock, Scotland. Original application filed June 26, 1926, Serial No. 118,852, and in Great Britain June 27, 1925. Divided and this application filed Dec. 10, 1926. Serial No. 153,906. 3 Claims. (Cl. 137—139.)



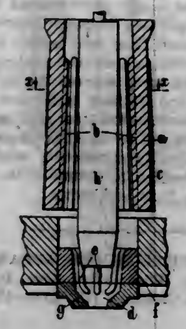
1. An automatic self-closing valve, comprising, in combination with a main conducting channel for fluid having a zone of less cross-sectional area than that of the remainder of the channel, a valve-forming plunger movable in said channel in the vicinity of said zone, said plunger having its closing movement in the direction towards said zone, said plunger exposed at its opposite ends to the pressures in said main channel and in said zone, an annular body surrounding said plunger and forming with said plunger a structure of stream-line form spaced from the internal wall of said channel, a balancing piston movable with said plunger, between said plunger and said annular body, the side of said piston nearest to said zone being subject to the pressure in said main channel and the other side of said piston being subject to the pressure in said zone, and means serving normally to hold said plunger stable in open position but adapted to be overcome on predetermined variation of the differential pressure between the main channel and said zone occasioned by change of the conditions of flow, to permit unaided automatic closing movement of said plunger.

1,631,060. MARKING MACHINE. FRED A. PUTNAM, Keene, N. H., assignor to Markem Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed May 22, 1926. Serial No. 111,068. 15 Claims. (Cl. 101—301.)



1. A marking machine comprising a platen and a work support providing an aperture in proximity to said platen in sufficient area to permit the portion of a flexible article which has been printed upon said plate to be depressed therethrough, whereby a series of superimposed flexible articles may be successively printed from the lowermost upwardly.

1,631,061. APPARATUS FOR CONTROLLING THE FLOW OF MOLTEN GLASS THROUGH A DISCHARGE APERTURE. CARL HENRY RANKIN, Wellsburg, W. Va. Filed Nov. 29, 1926, Serial No. 151,453, and in Great Britain Dec. 1, 1925. 9 Claims. (Cl. 49—55.)

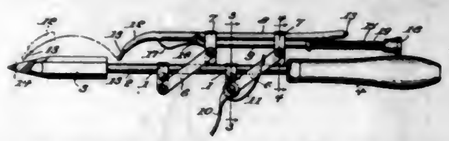


3. In apparatus for controlling the flow of molten glass through a discharge aperture, a liner having the said discharge aperture formed therein, corrugations on the interior wall of the said aperture, a plunger arranged in axial alignment with the said aperture, a sleeve arranged coaxially with the plunger to enclose an annular space around the said plunger and corrugations on the interior wall of the said sleeve.

1,631,062. WEIGHTED ARTIFICIAL SILK AND METHOD OF ITS PRODUCTION. GEORGE BIVAT, Paterson, N. J., assignor, by mesne assignments, to Lyons Piece Dye Works, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 15, 1925. Serial No. 62,588. 13 Claims. (Cl. 8—13.)

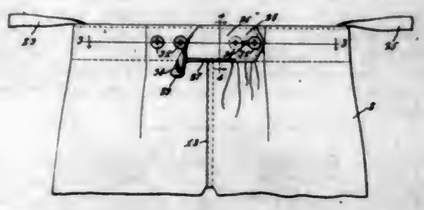
1. The process which comprises treating cellulose acetate silk with a gelling agent and with a weighting agent.

1,631,063. SOLDERING IRON. PETER H. ROONLEY, Washington, D. C. Filed June 4, 1926. Serial No. 113,765. 6 Claims. (Cl. 113—109.)



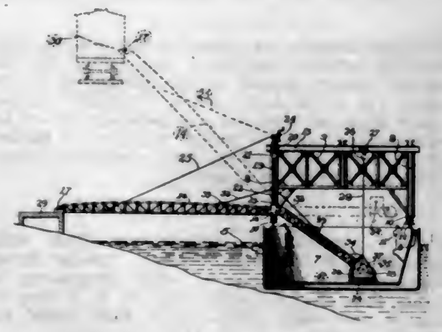
1. In combination with a soldering iron, links pivotally connected therewith, a reservoir tube for containing solder, means for pivotally connecting the tube with the links, and a trigger connected with one of the links for permitting the tube to be swung forwardly to place the solder carried by the tube against the iron

1,631,064. KNICKERS. MAURICE J. ROSENBERG, Baltimore, Md. Filed Aug. 3, 1926. Serial No. 126,841. 1 Claim. (Cl. 2—237.)



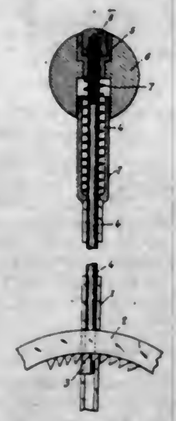
A garment of the type referred to comprising front and back portions connected together, said back portion having its inner side at the upper part thereof formed with a pocket, a pair of oppositely disposed shirring strings anchored in and extended from said pocket for gathering a part of the back portion, a combined gathered portion concealing and retaining strip secured to the outer face of said back portion and formed with free end terminal portions normally disconnected from said back portion, and said back portion and end terminal portions having co-acting means for detachably connecting said terminal portions to said back portion to maintain the gathered part of the back portion from extending.

1,631,065. BARGE-UNLOADING APPARATUS. ISAAC A. RYAN, Ironton, Ohio. Filed Sept. 10, 1926. Serial No. 134,699. 15 Claims. (Cl. 214—15.)



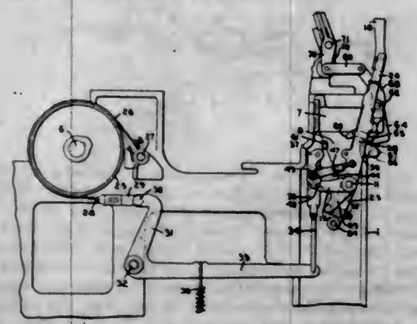
1. An apparatus of the class described including a traveling crane, having a chain hoist, a flexible power-driven conveyor freely suspended between its ends by the crane hoist for horizontal swinging movement and embodying connected head and tail sections relatively adjustable vertically, and means to independently vertically adjust said conveyor sections.

1,631,066. MEANS FOR LOCKING HAND-OPERATED BRAKES. ANDRE SAGET, Paris, France. Filed Apr. 15, 1927, Serial No. 184,107, and in France Apr. 14, 1926. 5 Claims. (Cl. 74—39.)



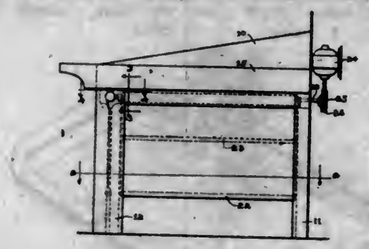
1. In combination with a brake handlever, a locking quadrant, a latch adapted to cooperate with said quadrant, a spring controlled latch rod longitudinally movable along said brake handlever and a stop piece adapted to be screwed along the outer end of said latch rod and to abut against the outer end of said brake handlever for securing said latch in its operative position.

1,631,067. STARTING AND STOPPING MECHANISM FOR LOOMS. WILLIAM SEVILLE, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 7, 1927. Serial No. 166,281. 15 Claims. (Cl. 192—4.)



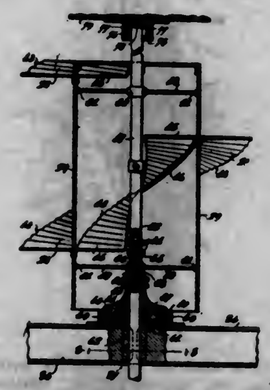
3. Starting and stopping mechanism for a loom comprising a shipper for throwing the power on and off, a brake, a spring-operated actuator therefor, a controller for the actuator, the said shipper and controller being mounted to move together from "on" to "off" position and from releasing to applying position, respectively, latching mechanism acting to lock the actuator and brake in releasing position, and means acting, when the controller is swung from releasing to applying position, to unlock the latching mechanism and allow the actuator to apply the brake.

1,631,068. GARAGE. ROBERT WALTER SEYMOUR, Chicago, Ill. Filed June 5, 1926. Serial No. 113,888. 1 Claim. (Cl. 20—1.)



In a building structure, such as a porte-cochère adapted to be used in conjunction with a principal structure such as a building, a roof disposed abutting the side of said adjoining building, a plurality of corner posts for supporting the said roof, a plurality of sides comprising flexible curtains connected to said posts for cooperating with the adjoining building to enclose the space under said roof, means associated with the curtains and the said posts for enabling the curtains to be rolled up and down, and means for guiding the curtains in their up and down movement, said curtains being adapted when rolled down to provide a weather tight enclosure and when rolled up to clear the top of an automobile or the like.

1,631,069. POWER GENERATOR. WILLIAM M. SMITH, Turtle Creek, Pa. Original application filed Sept. 4, 1925, Serial No. 54,492. Divided and this application filed June 2, 1926. Serial No. 113,301. 5 Claims. (Cl. 253—38.)



1. In a power generator of the kind wherein is provided a stack and means for delivering air to the bottom of said stack; an air motor in the stack, said air motor comprising a plurality of sections in vertical alignment, each section consisting of a shaft, an open ended cylindrical member secured to and spaced from the shaft and also spaced from the inner wall of the stack, a spiral vane secured to the outer wall of the cylindrical member, and a spiral vane secured to the inner wall of said cylindrical member.

1,631,070. COAL-MINING EXPLOSIVE. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1924. Serial No. 746,873. 7 Claims. (Cl. 52—11.)

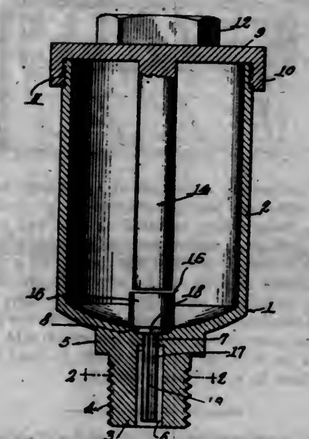
1. A detonating explosive comprising a detonating agent and hydrocellulose.

1,631,071. PROCESS OF MAKING HOLLOW RAYON FIBERS. WALTER O. SNELLING, Allentown, Pa. Filed May 11, 1925. Serial No. 29,309. 4 Claims. (Cl. 18—54.)



1. In the preparation of hollow fibers, the process which comprises forming a preliminary fiber, coating this preliminary fiber with a solid cellulose covering, and dissolving the preliminary fiber in a solvent in which the coating is insoluble.

1,631,072. OIL CUP. JABEZ S. SNOW, Sr., Schuyler, Va. Filed Mar. 25, 1925. Serial No. 18,209. 2 Claims. (Cl. 184—82.)

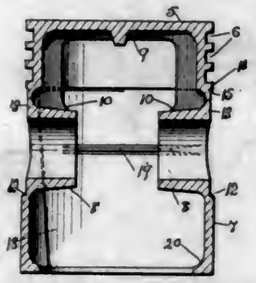


1. In a lubricator of the class described, a receptacle, a closure for the receptacle, a stem of determined length fixedly and rigidly secured to the closure and housed completely within the receptacle, the receptacle having an outlet for lubricant, and a valve slidably mounted in the receptacle in substantial alinement with the stem, the valve controlling the outlet.

1,631,073. PISTON. CHRIS SORENSON, Tacoma, Wash. Filed Jan. 7, 1927. Serial No. 159,719. 5 Claims. (Cl. 74—108.)

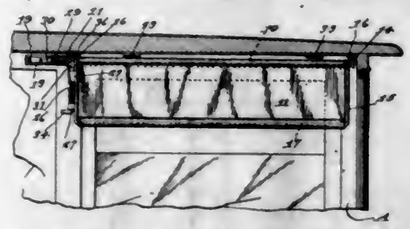
1. A piston having a head, a skirt, and wrist pin bearing bosses, the head on both sides of one of the bearing bosses and one side of the other bearing boss being integral with the skirt, the skirt being separated from the head at the other side of said other bearing boss by a circumferentially extending slot and being divided by a longitudinal slot communicating with said circumferentially extending slot, thereby rendering the

slotted side of the skirt partly resilient, and means to distribute the tension on the resilient skirt part uniformly from end to end of the latter, said last named means



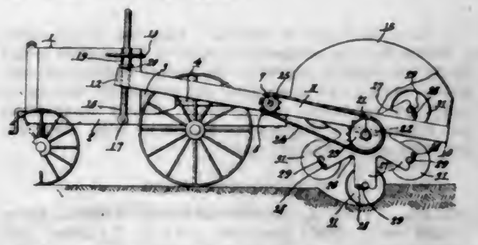
embodying a circumferenially extending rib formed internally of the skirt and extending partly across said resilient part of the skirt.

1,631,074. VEHICLE SUNSHADE. CHARLES M. STAINBROOK, Bowling Green, Ky. Filed Aug. 25, 1926. Serial No. 131,516. 2 Claims. (Cl. 296—95.)



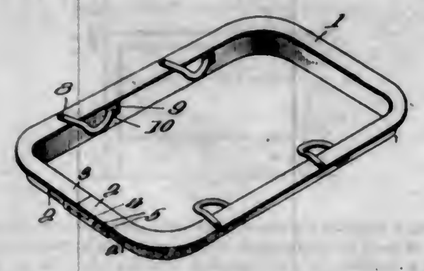
1. In combination, a horizontally disposed rod having an offset attaching portion adapted to be secured to a support, a shade frame mounted on said rod for pivotal movement, resilient means associated with the rod and frame and normally holding the latter in a horizontal plane, a bracket secured to the attaching portion of said rod and including an offset disk like extremity having a notch, and a spring pressed bolt carried by the frame and arranged to move about the periphery of said disk, and adapted to be received by said notch to hold the shade and its frame in a vertical position.

1,631,075. ROTARY PLOW. ADOLF G. STAPEL, Montgomery, Ala. Filed Nov. 20, 1925. Serial No. 70,269. 2 Claims. (Cl. 97—215.)



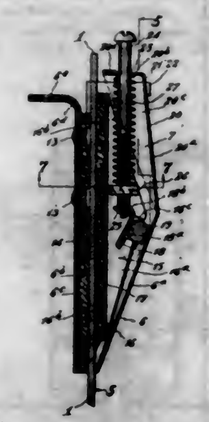
1. In a rotary soil-engaging element, a shaft, webs carried by the shaft, soil-engaging elements extended between the webs, the soil-engaging elements being disposed in rows, the soil-engaging elements of all of the rows being disposed at an acute angle to the draft line and at an acute angle to the vertical, and the soil-engaging elements of adjoining rows slanting in opposite directions both with respect to the draft line and with respect to the vertical.

1,631,076. BED SPRING AND THE LIKE. CHARLES P. TRIMBLE, Pittsburgh, Pa., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 30, 1924. Serial No. 723,170. 4 Claims. (Cl. 5—209.)



1. In a spring construction, an angle frame, means pivoted upon one face of said frame and extending through the other face thereof, whereby said means can be swung exteriorly of said frame for adapting it to different sizes of beds and can be swung interiorly of the periphery of said frame when not in use.

1,631,077. SHOCK ABSORBER. SAMUEL K. WELLMAN, Cleveland, Ohio. Filed Aug. 8, 1922. Serial No. 580,483. 18 Claims. (Cl. 188—129.)



1. In a shock absorber for vehicles with spring-suspended bodies, the combination of relatively movable mutually engaging friction parts adapted to be connected respectively to the vehicle body and axle, one of said parts having a facing adapted to maintain its coefficient of friction substantially constant under varying moisture conditions.

1,631,078. SHOCK ABSORBER. SAMUEL K. WELLMAN, Cleveland, Ohio. Filed May 18, 1923. Serial No. 639,728. 15 Claims. (Cl. 188—129.)

1. In a shock absorber adapted to be interposed between an axle and the spring-suspended body of a vehicle, the combination of a pair of relatively movable coacting resistance parts and means for connecting said resistance parts to the vehicle axle and body, respectively, each of said connecting means comprising a perforated concavo-convex socket formed in the resistance part, a perforated member formed with a countersink fitting the convex side of said socket, a bolt extending through said perforated member and loosely through the perforation

of the socket and having a spherical head fitting the concave side of said socket, and means operatively engaging the said perforated member and bolt for holding the



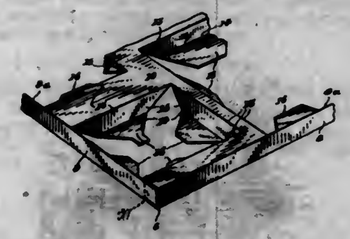
countersink, socket and bolt head in operative contact, one of the parts other than the resistance member being adapted to be secured to one of the vehicle parts.

1,631,079. SHOCK ABSORBER FOR AUTOMOBILES. SAMUEL K. WELLMAN, Cleveland, Ohio. Filed Nov. 13, 1924. Serial No. 749,603. 19 Claims. (Cl. 188—129.)



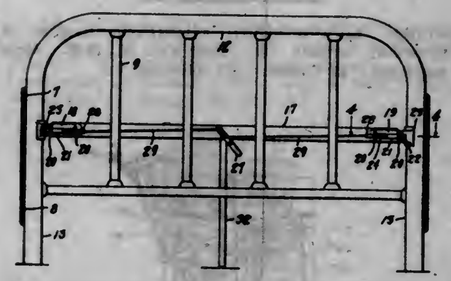
1. In a shock absorber adapted to be interposed between an axle and the spring suspended body of a vehicle, the combination of an elongated friction plate connected at one end to one of said vehicle parts; a casing comprising a channel member forming three of the longitudinal sides of the casing and connected to the other vehicle part and a plate detachably secured to said channel member and forming the fourth longitudinal side of said casing; a friction facing secured on the inner side of the web of the channel member to be engaged by one side of said friction plate; and a spring pressed member in the casing engaging the opposite side of the friction plate and yieldingly pressing it against said friction facing.

1,631,080. DISPLAY BOX. HARRY L. BAKER, Elmira, N. Y., assignor to Owen Card Publishing Co. Inc., a Corporation of New York. Filed Jan. 22, 1925. Serial No. 4,081. 2 Claims. (Cl. 206—44.)



2. A compartment forming device for boxes comprising a sheet of material fashioned to form a plurality of rectangular apertures in which cards and similar articles are adapted to be placed, said sheet being fashioned around the four side walls of the apertures to form depending wall members, and each of the four wall members of the separate apertures having inwardly projecting flanges upon which the cards are adapted to rest to retain said cards in fixed position when the device is placed in a box or container.

1,631,081. FOOT-FRAME LOCK FOR FOLDABLE BEDS. GEORGE E. BENNETT, San Francisco, Calif., assignor to American Automatic Lock and Lift Company, San Francisco, Calif., a Corporation of California. Filed Aug. 24, 1921. Serial No. 494,798. 1 Claim. (Cl. 5—178.)

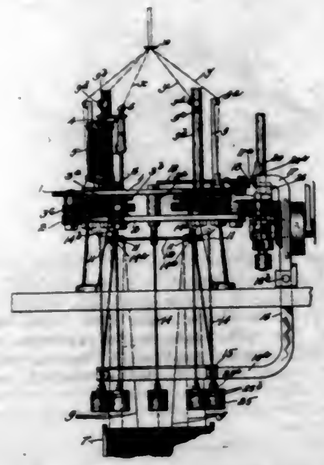


In a foldable bed, a bed frame having side rails, a foot frame comprising a foot rail and legs, brackets fixed to the foot ends of said side rails, a cross rail connecting said brackets together, a pair of links at each side of said bed connecting said foot and bed frames together whereby said foot frame may lie in position either rearwardly of the bed frame in perpendicular relation or spaced above said bed frame in parallel relation, one link of each pair being connected to said brackets, a lug fixed to each of said legs and having a recess therein, spring-pressed bolts slidably mounted in said brackets extending transversely of said side rails and arranged to engage in said recesses when said foot frame is perpendicularly disposed, and hand operated means carried by said cross rail for withdrawing both of said bolts from said recesses simultaneously.

1,631,082. MACHINE FOR BRAIDING ELASTIC FABRICS. JACQUIN M. C. BRANCO, Somerset, Mass., assignor of one-half to James K. Lanning, Fall River, Mass. Filed July 27, 1926. Serial No. 125,301. 8 Claims. (Cl. 96—8.)

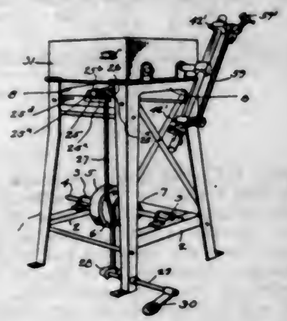
1. In a machine for braiding elastic fabric, the combination with yarn-delivering and braiding mechanism of a carrier for elastic cords, guiding means for each cord

to cause the cord to travel for a distance in an approximately horizontal plane as it moves toward the braiding point, and a weight suspended on the horizontal portion



of each cord, and stop mechanism arranged to be rendered active by the fall of the suspended weight when its cord is broken.

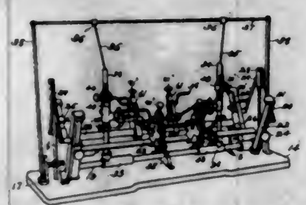
1,631,083. LOOP-WINDING MACHINE. SAMUEL H. BROWNING, Atlanta, Ga. Filed Feb. 10, 1925. Serial No. 8,282. 11 Claims. (Cl. 140—922.)



1. A winding machine, the combination with a rotary head bar, of relatively adjustable loop engaging means thereon for effecting loops of varied lengths, means for securing the loop engaging means at any desired position on said head bar, and cam means for effecting the longitudinal adjustment on said head bar of one of the loop engaging means with respect to its securing means.

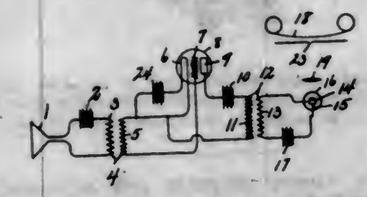
1,631,084. COIL-SPREADING MACHINE. SAMUEL H. BROWNING, Atlanta, Ga. Filed Feb. 10, 1925. Serial No. 8,283. 13 Claims. (Cl. 153—17.)

1. A coil shaping machine comprising means for gripping the ends of a wire coil loop, a plurality of means for gripping and holding each side of the loop, operating means for simultaneously moving the holding means on the respective sides away from or towards each other;



of means cooperating with the operating means to raise and lower the holders on one side of the loop with respect to the holders on the other side.

1,631,085. ELECTRICAL APPARATUS. THEODORE WILLARD CASE, Auburn, N. Y. Filed Apr. 16, 1923. Serial No. 632,496. 3 Claims. (Cl. 176—122.)



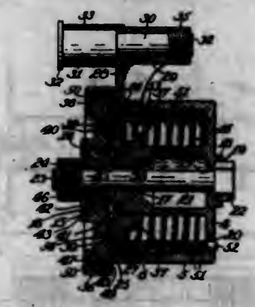
1. In an apparatus for producing a photographic record of light variations corresponding to electrical variations, a bulb containing a pair of electrodes spaced apart a distance not greater than one inch, and the negative one of said electrodes comprising a rare earth oxide, and a gas within the bulb at such a pressure that an intense concentrated glow is produced about the negative electrode.

1,631,086. ROPE. CLYDE F. CUNNINGHAM, Clarksburg, W. Va. Filed Oct. 7, 1926. Serial No. 140,148. 4 Claims. (Cl. 117—52.)



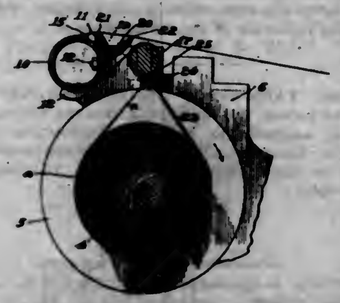
1. A decorative rope comprising a core of fabric, folded upon itself and a textile covering having its marginal edge portions brought together and confined between the folded edge portions of the core.

1,631,087. AUTOMATIC VEHICLE SPRING CONTROLLER. EMERSON DAVIS, Indianapolis, Ind., assignor of one-half to George P. Ruth, Indianapolis, Ind. Filed Mar. 27, 1926. Serial No. 98,028. 14 Claims. (Cl. 267—10.)



1. A vehicle spring controller having a lever arm and frictional resistance means and a single anchored and longitudinally expansible coil spring combined to retard movement of the lever arm and resist rebound action of the vehicle spring, and supporting means for the lever arm and also the frictional resistance means and the coil spring.

1,631,088. DRAG ROLL AND CLEARING PLATE FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Aug. 10, 1926. Serial No. 128,490. 9 Claims. (Cl. 139—97.)



1. In a loom, the combination of a hollow drag roll having a longitudinally extending opening to receive lint, dirt, and the like dropped from the warp, and a lint trough extending transversely of the loom in front of said opening in the drag roll and having a scraping edge over which the warp threads pass from the drag roll to the shed forming mechanism.

1,631,089. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 14, 1926. Serial No. 141,520. 3 Claims. (Cl. 139—223.)



2. In an automatically threading shuttle for looms, the combination of the shuttle body provided with a side delivery eye and having its front wall adjacent the fell of the cloth during weaving cut away in a frontwardly, downwardly and forwardly uniformly curved surface to a point frontward of the side delivery eye and the top of which curved surface gradually decreases in height relative to the back wall of the shuttle, and a cast iron threading block which supports the front wall of the shuttle against the binder pressure and having an apron with a similarly curved surface that the warp threads in the upper plane of the shed may be gradually lifted by the coinciding curved surface without obstruction as the shuttle passes through the shed.

1,631,090. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 26, 1926. Serial No. 144,213. 8 Claims. (Cl. 139—223.)



1. An automatically threading loom shuttle having a bobbin chamber, a longitudinally extending thread passage and a side delivery eye, a scroll extending forwardly in the longitudinal thread passage from a point adjacent the bobbin chamber, and a guide rib extending into the scroll from the side wall of the thread passage and between the ends thereof to guide the thread from the scroll to the side delivery eye.

1,631,091. GUIDE FOR BOTTLE REFRIGERATORS. CHESTER A. FRICK, Muncie, Ind., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind., a Corporation of Indiana. Filed Aug. 8, 1925. Serial No. 48,961. 4 Claims. (Cl. 211—8.)



2. A bottle refrigerator having substantially U-shaped bottle receiving tubular channels, means for closing one end of each of said channels normally openable from the interior only and means at the opposite end of said channel for preventing the insertion of a bottle bottom first while permitting the insertion thereof neck first.

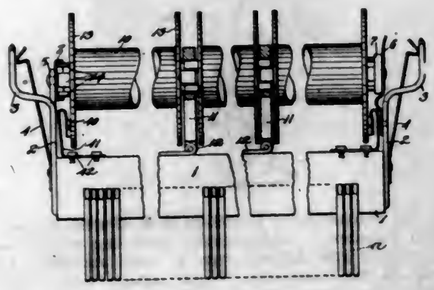
1,631,092. TUBE FRAME. EDGAR F. HATHAWAY, Wellesley, and CHARLES LEA, Milton, Mass., assignors to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1925. Serial No. 72,997. 10 Claims. (Cl. 139—10.)



10. An end bracket for a tube-frame, embracing a suspension arm, a three-sided attaching member secured to its lower end by tenons inserted and secured in apertures

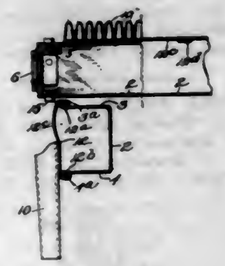
formed in said arm by heading down the outer ends of said tenons, the attaching member forming in conjunction with the adjacent portion of the arm, a hollow four-sided attaching member fitting into the hollow end portion of a carrier-bar adapted to receive fastening screwa passed through opposite walls of the carrier-bar.

1,631,093. YARN SPOOL FOR TUBE FRAMES. EDGAR F. HATHAWAY, Wellesley, and WALTER BIXBY, Boston, Mass., assignors to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 7, 1923. Serial No. 623,523. 7 Claims. (Cl. 139—10.)



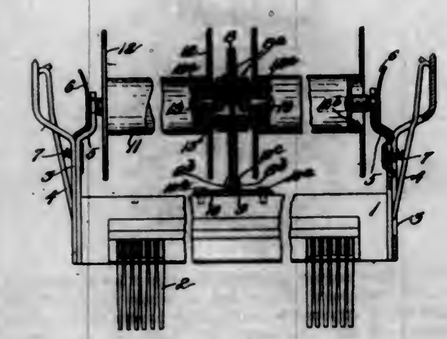
1. In a tube frame for weaving, the combination of a longitudinal carrier bar, suspension hangers and a yarn-spool rotatably supported thereby, a brake member comprising a resilient angle arm having a horizontal limb secured to the carrier bar to permit adjustment longitudinally thereof and an upright limb arranged to press against the outer face of an end head of the spool, substantially as described.

1,631,094. TUBE FRAME FOR TUFT WEAVING. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed July 20, 1923. Serial No. 652,727. 8 Claims. (Cl. 139—10.)



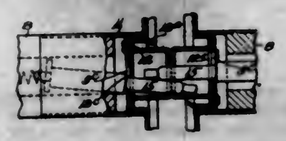
4. A tube frame for tuft weaving embracing in its structure a longitudinal carrier-bar provided with longitudinal tube-attaching lips, a series of parallel tuft tubes, a tube-carrying attaching strip constructed to be interlockingly engaged with said lips to detachably retain the tuft tubes in operation position for service, substantially as described.

1,631,095. SPOOL-SUPPORTING MEANS FOR TUBE FRAMES. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed May 6, 1926. Serial No. 107,068. 11 Claims. (Cl. 139—10.)



1. In a tube frame for tuft weaving, the combination with a longitudinal carrier-bar having spool-bearing brackets at its ends, of a medial bearing bracket formed with a closed annular bearing, a rotatable coupling member mounted in said bearing and having releasable coupling connection at both ends with the adjacent ends of adjacent yarn-spools to insure equal rotation of both spools while allowing either spool to be removed without depriving the other of its bearing support.

1,631,096. YARN SPOOL FOR TUBE FRAMES. EDGAR F. HATHAWAY, Wellesley, and WALTER BIXBY, Boston, Mass., assignors to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 4, 1926. Serial No. 133,593. 13 Claims. (Cl. 139—10.)

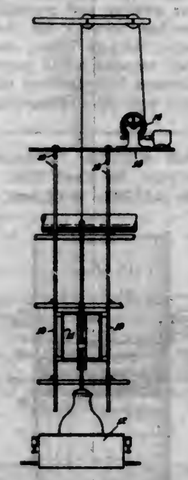


1. A yarn spool for delivering yarn embracing spool sections adapted to be rotatably supported end to end, journal gudgeons secured to the ends of the spool sections, for rotatably supporting the spool sections in intermediate bearings, and adjustable pintles mounted in said gudgeons to serve according to their adjustment either as a supporting journal for the spool section or as a means for rotatively interlocking adjacent spool section together to cause equal rotation of adjacent spool sections thus interlocked.

1,631,097. GLASS-DRAWING APPARATUS. RAYMOND D. HURLEY and BROOKS H. PATTON, Clarksburg, W. Va., assignors to Rolland Glass Company, Clarksburg, W. Va., a Corporation of West Virginia. Filed June 24, 1925. Serial No. 39,282. 2 Claims. (Cl. 49—17.)

1. A glass drawing apparatus comprising means for establishing a pool of molten glass, guides arranged vertically over said pool means and subject to the heat thereof, a bait supporting carriage vertically movable

between said guides, and means for lubricating each of said guides comprising a lubricant pocket associated with the upper end thereof in such manner as to receive heat



therefrom by conduction, said lubricant pocket having a conduit leading to the carriage-engaged surface of the guide.

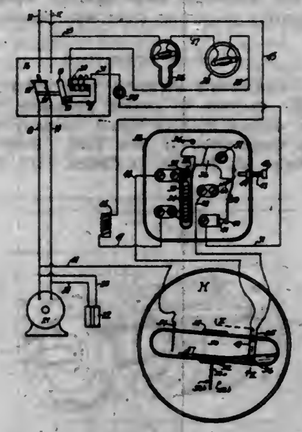
1,631,098. CLOSURE. JEAN JACQUES, Philadelphia, Pa., assignor of one-half to Adolph W. Oswald, Philadelphia, Pa. Filed Feb. 5, 1926. Serial No. 86,133. 7 Claims. (Cl. 220—24.)



1. A receptacle closure comprising a cylindric rotor casing having opposed ports and a semi-cylindric rotor for controlling communication through the casing, said rotor having its major body portion free relative to the ends to afford inherent capacity for circumferential flexure to engage the wall of the casing with fluid tightness.

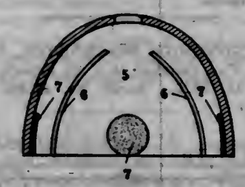
1,631,099. CONTROL MECHANISM FOR ELECTRICALLY-OPERATED BURNERS. JESSE C. JOHNSON, Oakland, Calif., assignor to S. T. Johnson Co., Oakland, Calif. Filed Nov. 26, 1926. Serial No. 150,864. 7 Claims. (Cl. 236—78.)

1. In an electrical control mechanism for burners having, in combination, electric current conductors, an operating motor, a circuit connection between the motor and the said conductors, a main circuit switch for the motor, a magnetic fuel oil stop valve connected in parallel with the motor circuit, an electro-magnetic control circuit in multiple with the said motor circuit and comprising an electro-magnet and an armature, said armature operatively associated with said main circuit switch for controlling its operation, in series with said electro-magnet, a temperature relay, an electro-magnetic gas valve, a manually operated circuit closing and breaking snap switch and a heat actuated three wire stack safety switch, said stack safety switch adapted, when in a cold temperature position to close the circuit to the temperature relay and to the electro-magnetic gas valve on the closing of said circuit by said snap switch, the closing of said series circuit energizing said electro-magnet for engaging said armature to close said main circuit switch for the motor



current, said heat actuated three wire stack safety switch adapted, when in a hot temperature position, to simultaneously shunt out the temperature relay and the electro-magnetic gas valve.

1,631,100. VIBRATION DAMPING MEANS FOR VACUUM TUBES. CHARLES C. LAURITSEN, St. Louis, Mo., assignor, by mesne assignments, to The Dyal Company, St. Louis, Mo., a Copartnership consisting of Walter H. Dyer and A. R. Allison. Filed Feb. 25, 1926. Serial No. 90,506. 1 Claim. (Cl. 250—27.5.)



In apparatus of the class described, a weight member designed to be placed on a thermionic tube and comprising a relatively heavy cap adapted to embrace the free end of the tube, the lower portion of said cap being divided by slots whereby resilient tube gripping members are formed.

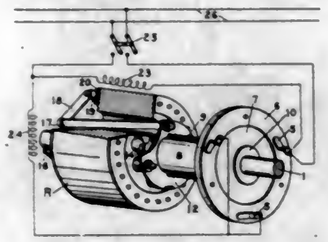
1,631,101. TUBE FRAME. CHARLES LEA, Milton, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed June 5, 1925, Serial No. 35,081. Renewed Apr. 18, 1927. 6 Claims. (Cl. 139—10.)



1. In a tube frame the combination of a carrier-bar comprising an elongated strip of sheet metal bent longitudinally to form bottom, back and top walls, and a front wall projecting downwardly from the top wall to form a backing to which the yarn-guiding tuft tubes are secured,
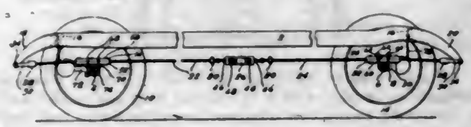
the bottom wall being extended forwardly beyond the plane of the front wall and being provided with a series of parallel apertures in its forwardly projecting portion and a series of yarn-guiding tuft tubes inserted in said apertures and secured at their upper or intake ends to said downwardly projecting front wall, substantially as described.

1,631,102. STARTING SWITCH FOR SINGLE-PHASE MOTORS. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 17, 1920. Serial No. 404,233. 5 Claims. (Cl. 172—279.)



5. In an electric motor of the type which includes a shaft and a rotor thereon having holes extending therethrough parallel with the shaft, a centrifugal starting switch comprising, a circuit controlling element movable axially on the rotor shaft, a spring pressing said sleeve in one direction, a plurality of relatively long bars extending lengthwise of the rotor shaft through the holes in the rotor and connected at one end to said element, and inclined links each pivotally connected at one end to the rotor and at the other end to the outer free end of the corresponding bar, each bar and its link normally forming an acute angle which decrease as the bars move outward by centrifugal force.

1,631,103. AUTOMOBILE SUSPENSION. EARL L. MARTIN, Miami, Fla., assignor to C. L. Brown, Miami, Fla. Filed July 31, 1925. Serial No. 47,264. 6 Claims. (Cl. 267—2.)



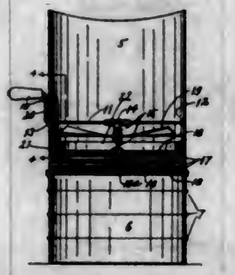
3. In an automobile suspension the combination of a frame having two side bars with downwardly turned end portions, cables connecting the ends of each of said side bars, a front axle and a rear axle housing connected fixedly to each of said cables at points removed from the ends thereof, each of said cables comprising looped stranded sections, and turn buckles connecting the looped ends of said sections.

1,631,104. BELT BUCKLE. FREDERICK RAY MATTESON, Taunton, Mass., assignor to Frank Packard Daughaday, Chartley, Mass. Filed Jan. 20, 1926. Serial No. 82,487. 7 Claims. (Cl. 24—191.)



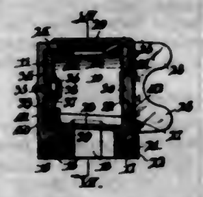
1. In a belt buckle, the combination with a body member embracing a front plate and side flanges having inwardly turned lips, a belt-gripping lever interposed between the front plate and said lips and having rolling fulcral support on said lips to support the rearward thrust of the lever as it is forced into gripping position to pinch the free end of the belt against the back of the front plate, a lever guiding and positioning means forming a loose connection between the lever and the side flanges of the buckle body to retain the lever in proper relation to the body member while permitting the transmission of the rearward belt-pinching thrust through the rolling contact with said lips, substantially as described.

1,631,105. FLOUR SIFTER. TORNEY O. NALL and ERNEST J. BEAUVAIS, St. Paul, Minn. Filed June 10, 1926. Serial No. 115,023. 4 Claims. (Cl. 201—358.)



1. In a flour sifter, an upright cylindrical shell, a number of horizontally arranged vertically spaced screens fixed in the lower portion of said shell, a vertical central shaft mounted in the lower portion of the shell and extending through said screens and vertically above them, radially armed spiders fixed on said vertical shaft and arranged one above each screen, a drive shaft arranged diametrically across the shell and a crank on said shaft externally of the shell, means for rotating the said spiders on the vertical shaft when said crank is rotated, said latter means comprising a drive gear mounted on said drive shaft, a ring gear within the shell and meshing with said drive gear said ring gear fixed to the uppermost screen spider, and a circular guard fixed in said shell above said ring gear.

1,631,106. CLOSURE FOR FILLER OPENINGS. ADOLPH W. OSWALD, Philadelphia, Pa., assignor of one-half to Jean Jacques, Philadelphia, Pa. Filed Jan. 29, 1926. Serial No. 84,578. 4 Claims. (Cl. 220—86.)



1. A closure for filler openings comprising a body portion affording a through passage, said body portion having an annularly recessed base providing an inner concentric neck, a plug valve interposed cross-wise of the passage, an apron attached to the valve and adapted to normally cover the inlet to said through passage, and means to yieldingly hold the plug valve in open position or lock the same in closed position.

1,631,107. FEEDING MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn. Filed Jan. 28, 1926. Serial No. 84,495. 32 Claims. (Cl. 49—77.)

12. The method of shaping the lower ends of a succession of mold charges of molten glass delivered downwardly through an outlet from a container, which comprises periodically causing glass below and adjacent to said outlet to move upwardly, thrusting oppositely directed shear blades through the upwardly moving glass and immediately withdrawing the blades, whereby the



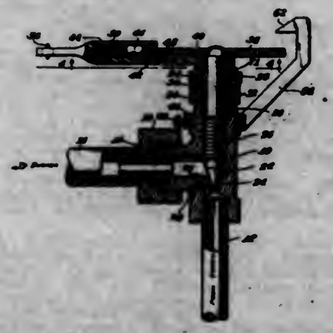
shape imparted to the glass remaining above said shear blades, after the severing operation, is retained as the shape of the lower end of the next succeeding mold charge.

1,631,108. BOUND-EDGE PLASTER WALL BOARD. CLARENCE W. UTZMAN, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 14, 1923, Serial No. 624,931, Patent No. 1,540,045, dated June 2, 1925. Divided and this application filed Nov. 17, 1924. Serial No. 750,224. 9 Claims. (Cl. 154—45.9.)



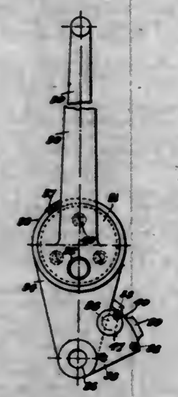
1. A plaster wallboard having a composition body with fibrous cover sheets thereon, one of said cover sheets passing about the longitudinal edges of the wallboard to engage the opposite side thereof with the other cover sheet extending about said edges over said first sheet to engage the opposite side and secured at its margins thereto, said margins chamfered to bring the exterior surfaces thereof into the plane of the main body of said first sheet, and the inner cover sheet edge being formed with spaced tongues which extend transversely within the wallboard to support the opposite cover sheets at their edges.

1,631,109. VALVE FOR OIL BURNERS. HERMAN W. HITZEMANN, Roselle, Ill. Filed Feb. 4, 1926. Serial No. 85,969. 7 Claims. (Cl. 277—54.)



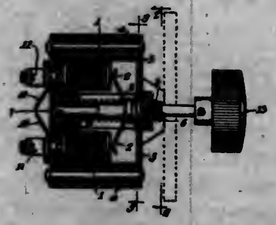
6. An oil burner valve comprising a casing, a valve member threaded in said casing and having a shank projecting rearwardly therefrom, a disc fixed on the end of said shank for rotating said valve member to open and close said valve, a by-pass around said valve, a set screw for restricting or closing said by-pass, an oil delivery tube, and a coupling between said tube and said casing, said coupling overlying said set screw to prevent access thereto.

1,631,110. IMPLEMENT FOR EFFECTING THE RELATIVE MOVEMENT OF TWO ELEMENTS. WALTER VILLA GILBERT, Westminster, London, England, assignor to Gilbert's Patents Limited, London, England, a Company. Original application filed June 7, 1926. Serial No. 114,342, and in Great Britain Feb. 25, 1926. Divided and this application filed Jan. 22, 1927. Serial No. 162,901. 10 Claims. (Cl. 29—84.)



1. A hand implement for effecting the relative movement of two elements, comprising an eccentric sheave and a connecting link, the sheave member being provided with means for rotating it about its axis and also with means for detachably connecting it to one of the relatively movable elements at a position eccentric to the sheave, and the connecting link forming a strap member of the eccentric and provided with means for detachably connecting it to the other relatively movable element.

1,631,111. PRESSURE RHEOSTAT. GUSTAV O. WILMS, Milwaukee, Wis., assignor, by mesne assignments, to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 13, 1922. Serial No. 574,803. 8 Claims. (Cl. 201—51.)



1. A rheostat comprising a carbon disk resistor, a low tension spring controlling a low pressure upon said resistor and proportioned to cause a gradually and substantially uniform variation in resistance through a wide working range, and an adjustable actuator to operate said spring.

May 3, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott, William T., doing business as William T. Abbott & Co., Boston, Mass. Tea in bulk. 227,289; May 3; Serial No. 239,452; published Feb. 22, 1927.

Acme Battery Manufacturing Company, St. Louis, Mo. Electric storage batteries and parts thereof. 227,211; May 3; Serial No. 240,898; published Feb. 15, 1927.

Adam de Cluhn Laboratories. (See Percival, Frank M.)

Aktiebolaget Salenius, Werkstäder, Stockholm, Sweden. Centrifugal liquid separators and parts belonging thereto. 59,591; renewed Jan. 15, 1927.

Albersheim, Dr. M., Frankfort-on-the-Main, Germany. Soaps and soap creams and powders for shaving. 227,394; May 3; Serial No. 241,851; published Feb. 22, 1927.

Albright, Chester E., doing business as Albright Purse Co., Germantown and Philadelphia, Pa. Combined coin and paper purse or a coin purse. 227,325; May 3; Serial No. 236,581; published Feb. 15, 1927.

All Star Candy Co., San Francisco, Calif. Chocolate-covered candy bar. 227,228; May 3; Serial No. 239,909; published Feb. 22, 1927.

Alma Manufacturing Company of Baltimore City, Baltimore, Md. Snap fasteners. 61,281; renewed Mar. 12, 1927.

Alma Manufacturing Company of Baltimore City, Baltimore, Md. Buckles. 62,276; renewed Apr. 30, 1927.

American Agricultural Chemical Company, The. (See Virginia-Carolina Chemical Company.)

American Chicle Company. (See Crawford, Caleb, Company.)

American Optical Company, Southbridge, Mass. Ophthalmic lenses, projection lenses, etc. 227,193; May 3; Serial No. 241,461; published Feb. 22, 1927.

American Pop Corn Company, Sioux City, Iowa. Shelled pop corn. 227,245; May 3; Serial No. 239,733; published Jan. 4, 1927.

American Retail Stores Co., The, Columbus, Ohio, and Indianapolis, Ind. Topcoats, overcoats, three and four piece suits. 227,319; May 3; Serial No. 235,448; published Feb. 15, 1927.

Angelo Bros. Limited, Calcutta, British India. Gum and orange shellac, button and garnet lac. 227,289–91; May 3; Serial Nos. 191,611–13; published Sept. 23, 1924.

Angelo Bros. Limited, Calcutta, British India. Gum and orange shellac, button and garnet lac. 227,434; May 3; Serial No. 195,617; published Sept. 23, 1924.

Angelo Bros. Limited, Calcutta, British India. Gum and orange shellac, button and garnet lac. 227,435; May 3; Serial No. 195,619; published Sept. 23, 1924.

Angus, George, & Co., Limited, Newcastle-on-Tyne and Bentham, near Lancaster, England. Brake linings. 227,321; May 3; Serial No. 236,458; published Feb. 22, 1927.

Anheuser-Busch Brewing Association, assignor to Anheuser-Busch, Incorporated, St. Louis, Mo. Beer. 64,125; renewed July 23, 1927.

Archer, A. W., Co., Inc., New York, N. Y. Twine, rope, and cord. 227,218; May 3; Serial No. 241,597; published Feb. 22, 1927.

Argus Motoren Gesellschaft Jeannin & Co. Comm. Ges., to Argus Motoren Gesellschaft mit beschränkter Haftung, Berlin, Germany. Automobiles and parts thereof except rubber tires. 61,145; renewed Mar. 5, 1927.

Arnold, F. R., & Company, New York, N. Y. Toilet requisites—namely, face, toilet, and shampoo powders, rouges, face cream, etc. 227,212; May 3; Serial No. 240,946; published Feb. 22, 1927.

Asbestos Manufacturing Co., Huntington, Ind. Asbestos brake linings, brake blocks, clutch facings, and disks. 227,361; May 3; Serial No. 222,592; published Feb. 22, 1927.

Atkins, E. C., & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada, to E. C. Atkins & Company, Indianapolis, Ind. Tools for fitting saws. 64,324; renewed Aug. 6, 1927.

Atlantic Refining Company, Franklin and Philadelphia, Pa., to Atlantic Refining Company, Philadelphia, Pa. Lubricating oils. 61,283–4; renewed Mar. 12, 1927.

Auto Vacuum Products Co. (See La Pierre, Alexander J.)

Autotone Company, The, to Hardman, Peck & Co., New York, N. Y., successor. Piano players. 57,349; renewed Nov. 18, 1926.

Avolin Laboratories, Newark, N. J. Antiseptic and prophylactic dental preparation. 227,324; May 3; Serial No. 236,719; published Feb. 22, 1927.

Basck, Howard E., Chicago, Ill. Games such as indoor golf. 227,379; May 3; Serial No. 238,765; published Feb. 22, 1927.

Babbitt, B. T., Inc., New York, N. Y. Caustic soda. 227,310; May 3; Serial No. 240,164; published Feb. 22, 1927.

Bachman's, Inc., Reading, Pa. Pretzels. 227,207; May 3; Serial No. 240,841; published Feb. 15, 1927.

Barnett Bros., New York, N. Y. Men's and boys' dress, negligee, and work shirts. 227,352; May 3; Serial No. 241,257; published Feb. 15, 1927.

Barrell, William L., Co. of New York, Inc., New York, N. Y. Cotton piece goods, cotton duck, awning stripes in the piece, etc. 227,308; May 3; Serial No. 240,049; published Feb. 22, 1927;

Barthel, Fred P., doing business as Barthel Laboratories, New York, N. Y. Automobile and furniture polish. 227,431; May 3; Serial No. 241,767; published Feb. 15, 1927.

Barton Salt Company, The, Hutchinson, Kan. Feeding salt for stock. 227,253; May 3; Serial No. 227,561; published Feb. 22, 1927.

Bartons Bias Narrow Fabric Co., Bridgeport, Conn., and New York, N. Y. Bias bindings, bias fagoting braid, narrow elastic, narrow fabric trimmings, etc. 227,323; May 3; Serial No. 236,522; published Feb. 15, 1927.

Bay State Milling Company, Winona, Minn. Wheat flour. 65,135; renewed Sept. 10, 1927.

Beacon Manufacturing Co., Providence, R. I., to Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Blankets, comfortables, elderdown piece goods. 62,895; renewed May 28, 1927.

Beacon Oil Company, Boston, Mass. Lubricating oil. 227,353; May 3; Serial No. 241,258; published Feb. 15, 1927.

Bell, Warren E., Brasher Falls, N. Y. Butter. 227,331; May 3; Serial No. 240,337; published Feb. 22, 1927.

Bernstein, Charles, & Co., New York, N. Y. Watches, clocks, and their movements. 227,467; May 3.

Berwind White Coal Mining Company, to The Berwind-White Coal Mining Co., Philadelphia, Pa., successor. Coal. 60,916; renewed Feb. 26, 1927.

Binder, Benjamin, doing business as Binder Electric Supply Company, Trenton, N. J. Electric insulated wire, sockets, switches, etc. 227,450; May 3.

Binder, Benjamin, doing business as Binder Electric Supply Company, Trenton, N. J. Electric lighting fixtures. 227,451; May 3.

Black, William C., Lexington, Ky. Soap. 227,414; May 3; Serial No. 241,599; published Feb. 22, 1927.

Blair Manufacturing Company. (See Case, Adelbert B., assignor.)

Blass, Ferdinand M. E., doing business as Eastern American Association for Oxygen-Therapy, New York, N. Y. Rejuvenator and general tonic. 227,397; May 3; Serial No. 241,979; published Feb. 22, 1927.

Bleyer & Weinberg, New York, N. Y. Silk piece goods. 227,301; May 3; Serial No. 242,567; published Feb. 22, 1927.

Blood, J. B., Company, Lynn, Mass. Bread. 227,415; May 3; Serial No. 241,600; published Feb. 15, 1927.

Blue Valley Creamery Co., Chicago, Ill. Butter. 227,392; May 3.

Blue Valley Creamery Co., Chicago, Ill. Butter. 227,456; May 3.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 227,184; May 3; Serial No. 241,387; published Feb. 22, 1927.

Brill Brothers, New York, N. Y. Knit underwear. 64,190; renewed July 30, 1927.

Brody-Lewis Mfg. Company, Omaha, Nebr. Men's and boys' regular and knee length trousers, overalls, one-piece suits, children's play suits, and rompers. 227,194; May 3; Serial No. 241,470; published Feb. 15, 1927.

Brookes & Crookes, to Brookes & Crookes, Ld., Sheffield, England, successor. Cutlery. 63,404; renewed June 18, 1927.

Brown, G. Lance, Co., Inc., Huntingdon Valley, Pa. Pile cones and ointments for affections of the skin. 227,364; May 3; Serial No. 224,899; published Feb. 22, 1927

Bruckmann Co., The, Cincinnati, Ohio. Malt beverage. 227,449; May 3.

Brumer Bros., Clinton, Iowa, to T & T Company (Not Inc.), Chicago, Ill., successor. Solution for soldering and cleaning metals. 61,641; renewed Apr. 2, 1927.

Buegeleisen & Jacobson, New York, N. Y. Musical wind instrument. 227,371; May 3; Serial No. 238,009; published Feb. 15, 1927.

Bulte Mills. (See Kansas Flour Mills Corporation.)

Burdsal, A., Company, The, Indianapolis, Ind. Paste and ready-mixed paints. 227,454; May 3.

Burk, William C., Philadelphia, Pa. Medicines for the treatment and regulation of the stomach and bowels, etc. 61,698; renewed Apr. 2, 1927.

Burnett, Joseph, Company, Boston, Mass. Preparation for beautifying the complexion, for removing tan sunburn, freckles, etc. 227,174; May 3; Serial No. 242,392; published Feb. 22, 1927.

Burnett, Joseph, Company, Boston, Mass. Tooth wash. 227,175; May 3; Serial No. 242,393; published Feb. 22, 1927.

Burnett, Joseph, Company, Boston, Mass. Preparation for beautifying the complexion, etc. 227,176; Apr. 3; Serial No. 242,895; published Feb. 22, 1927.
Butcher, Charles F., to W. & S. Butcher Limited, Sheffield, England. Razors. 62,019; renewed Apr. 16, 1927.
Cadet Knitting Company, Philadelphia, Pa. Hosiery. 227,215; May 3; Serial No. 241,561; published Feb. 15, 1927.
Calico Printers' Association, Limited, The, Manchester, England. Cotton piece goods. 227,179; May 3; Serial No. 243,033; published Feb. 22, 1927.
California Bottling Works, doing business as California Bottling Co., Los Angeles, Calif. Beverages sold as soft drinks. 227,473; May 3.
California Oil Burner Company. (See Lyons, Inora M.)
Cammell Laird and Company, Limited, Sheffield, England. Steel and iron in bars, sheets, rods, rails, plates, and wire. 62,020–21; renewed Apr. 16, 1927.
Case, Adelbert B., assignor to Blair Manufacturing Company, Springfield, Mass. Lawn mowers. 65,256; renewed Sept. 17, 1927.
Casper, A. B., doing business as A. B. Casper & Company, Minneapolis, Minn. Potatoes. 227,366; May 3; Serial No. 237,404; published Jan. 25, 1927.
Cavalli, Tito L., Benicia, Calif. Buttermilk drink. 227,367; May 3; Serial No. 237,439; published Feb. 15, 1927.
Cellas', Inc., doing business as Labrocel Packing Co., Inc., New York, N. Y. Canned anchovies in salt. 227,317; May 3; Serial No. 234,895; published Feb. 22, 1927.
Central Radio Laboratories, Milwaukee, Wis. Variable resistance devices for regulating the volume output of sound of radio receiving sets. 227,327; May 3; Serial No. 236,867; published Feb. 15, 1927.
Chamberlain, Frank H., to Frank H. Chamberlain Co. Inc., Boston, Mass., successor. Headwear. 64,381; renewed Aug. 6, 1927.
Chandler & Price Company, The, Cleveland, Ohio. Paper cutters and paper-cutting machines and parts thereof, etc. 227,421; May 3; Serial No. 241,695; published Feb. 22, 1927.
Chapin & Gould Paper Company, Springfield, Mass. Writing and printing paper. 227,445; May 3.
Chapin-Sacks Corp., Washington, D. C., and Savannah, Ga. Carbonated water. 227,383; May 3; Serial No. 239,164; published Feb. 22, 1927.
Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum-jelly preparations. 227,376; May 3; Serial No. 238,304; published Feb. 22, 1927.
Chicago Engineering Works Inc., Chicago, Ill. Educational texts in pamphlet form. 227,380; May 3; Serial No. 238,774; published Feb. 22, 1927.
Chicago Pneumatic Tool Company, New York, N. Y. Portable electric tools. 227,389; May 3.
Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic tools and machinery. 227,390; May 3.
Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic hammers, riveters, grinders, reamers, etc. 227,391; May 3.
Christy & Compy Limited, London, England. Headwear. 63,577; renewed June 25, 1927.
Cifuentes, Fernandez y Ca., assignor to Cifuentes, Pego y Compania, Habana, Cuba. Cigars. 60,514; renewed Feb. 12, 1927.
Cities Service Oil Company, Cleveland, Ohio. Gasoline, lubricating oils, and greases. 227,262; May 3; Serial No. 231,141; published Feb. 15, 1927.
Cohn & Rosenberger, Inc., New York, N. Y. Pins for adornment, necklaces, bracelets, bar pins, etc. 227,266; May 3; Serial No. 234,025; published Feb. 15, 1927.
Cole, H. C., Milling Company, Chester, Ill. Mill feeds. 227,195; May 3; Serial No. 241,473; published Feb. 15, 1927.
Colgate & Company, assignor to Colgate & Company, Jersey City, N. J. Soaps, perfumes, powders, and liquids. 30,566; renewed Sept. 21, 1927.
Collins, Julius G., Kansas City, Kans. Antifreeze composition. 227,236; May 3; Serial No. 239,397; published Feb. 22, 1927.
Colvin, Americus B., Bussey, Ark. Medical preparation for use in the treatment of chronic ulcers and sores. 227,471; May 3.
Conkey, G. E., Company, The, Cleveland, Ohio. Vitamine compound for poultry and livestock. 227,216; May 3; Serial No. 241,562; published Feb. 15, 1927.
Conover, C. E., Co., The, New York, N. Y. Dress shields, dress-shield brassières, made-up dress or waist linings. 227,375; May 3; Serial No. 238,249; published Feb. 1, 1927.
Corbett Brothers Co., New York, N. Y. Ribbons in the bolt or piece. 227,419; May 3; Serial No. 241,654; published Feb. 22, 1927.
Crawford, Caleb, Company, Inc., assignor to American Chicle Company, Long Island City, N. Y. Medicated chewing gum. 227,381; May 3; Serial No. 238,896; published Feb. 22, 1927.
D. P. C. Laboratories, Inc., Holton, Kans. Medicinal tablet for the treatment of headaches, colds, neuralgia, etc. 227,398; May 3; Serial No. 241,989; published Feb. 22, 1927.
Dairy Press, Inc., Detroit, Mich. Magazine. 227,217; May 3; Serial No. 241,564; published Feb. 22, 1927.
Dalton, Ernest E., Chicago, Ill. Dental bridges and artificial teeth. 227,470; May 3.
Daroff, Harry, & Sons, Philadelphia, Pa. Outer suits for men and boys. 227,422; May 3; Serial No. 241,699; published Feb. 15, 1927.
Daven Radio Corporation, Newark, N. J. Radiofrequency coils. 227,354; May 3; Serial No. 241,264; published Feb. 15, 1927.
Day, J. H., Company, The, Cincinnati, Ohio. Devices for indicating and recording the temperature and consistency of plastics. 227,336; May 3; Serial No. 240,597; published Feb. 22, 1927.
Day, J. S., Hanceville, Ala. Medicine for rheumatism, kidney trouble, catarrh, eczema, etc. 227,322; May 3; Serial No. 236,471; published Feb. 22, 1927.
Decatur Milling Company, Decatur, Ill. Mill product—namely, hominy. 227,172; May 3; Serial No. 234,467; published Feb. 15, 1927.
Decatur Milling Company, Decatur, Ill. Product of corn in flake form. 227,267; May 3; Serial No. 234,466; published Feb. 15, 1927.
De Laittre-Dixon Company, Minneapolis, Minn. Petroleum products. 227,294; May 3; Serial No. 242,475; published Feb. 15, 1927.
Deltox Rug Company, Oshkosh, Wis. Rugs. 227,408; May 3; Serial No. 242,282; published Feb. 22, 1927.
Dexo Chemical Co. (See Hunter, Dr. L. M.)
Diatom Insulation Co., The, Baltimore, Md. Brick for insulating sound, heat, and cold. 227,461; May 3.
Dixie Pecan Growers Exchange, Inc., Barnesville, Ga. Pecans in their natural state. 227,455; May 3.
Doerr, Erwin C., Watertown, Wis. Cough medicine. 227,299; May 3; Serial No. 242,525; published Feb. 22, 1927.
Doller, Willet J. (See Douglas, Frederick P.)
Dorcolo Hygienic Company, New York, N. Y. Sanitary napkins. 227,399; May 3; Serial No. 241,991; published Feb. 15, 1927.
Douglas, Frederick P., assignor, by mesne assignments, to Willet J. Doller, Napanee, Ontario, Canada. Liniments. 62,601; renewed May 14, 1927.
Dueber-Hampden Watch Company, The, Canton, Ohio. Watches. 227,182; May 3; Serial No. 241,330; published Feb. 15, 1927.
Dulle, G. H., Milling Company, Jefferson City, Mo. Wheat flour. 227,214; May 3; Serial No. 241,521; published Feb. 15, 1927.
Duncan, John L., doing business as Duncan's, Manchester, England. Tobacco pipes. 227,468; May 3.
Duncan & Langdon, Drs., Chicago, Ill. Permanent root-canal treatment. 227,242; May 3; Serial No. 239,701; published Feb. 15, 1927.
Duncan & Langdon, Drs., Chicago, Ill. Specific for trench mouth, pyorrhea. 227,243; May 3; Serial No. 239,702; published Feb. 22, 1927.
Dyner Food Company. (See Mathewson, William S.)
Eagle-Picher Lead Company, The. (See Picher Lead Company, assignor.)
Eastern American Association for Oxygen-Therapy. (See Blass, Ferdinand M. E.)
Ehrat Cheese Co., Inc., Chicago, Ill. Cheese. 227,332; May 3; Serial No. 240,348; published Feb. 15, 1927.
Ellis, Lynn, Inc., New York, N. Y. Books, printed forms, and data sheets. 227,220; May 3; Serial No. 241,268; published Feb. 22, 1927.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 227,409; May 3; Serial No. 242,286; published Feb. 22, 1927.
Eureka Woolen Mills, Eureka, Calif. Clothing. 227,185; May 3; Serial No. 241,403; published Feb. 15, 1927.
Exeter Citrus Association, Exeter, Calif. Fresh citrous fruits. 227,227; May 3; Serial No. 228,238; published Feb. 22, 1927.
Extermx Fumigators. (See Stoltze, Henry A.)
F-R Publishing Corporation, New York, N. Y. Column title in a weekly publication. 227,343; May 3; Serial No. 241,211; published Feb. 22, 1927.
F-R Publishing Corporation, New York, N. Y. Column title for a weekly publication. 227,344; May 3; Serial No. 241,213; published Feb. 22, 1927.
F-R Publishing Corporation, New York, N. Y. Column title in a weekly publication. 227,345; May 3; Serial No. 241,214; published Feb. 22, 1927.
F-R Publishing Corporation, New York, N. Y. Weekly publication. 227,346; May 3; Serial No. 241,216; published Feb. 22, 1927.
F-R Publishing Corporation, New York, N. Y. Column title in a weekly publication. 227,347–51; May 3; Serial Nos. 241,217–21; published Feb. 22, 1927.
Farmers and Merchants Cooperative Advertising Agency, The. (See Lewis, George P.)
Fecker Company, Danville, Ill. Malt extracts and sirups for beverages. 227,453; May 3.
Fisher, David A., Alameda, Calif. Mouth washes. 227,271; May 3; Serial No. 242,885; published Feb. 22, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass. Pneumatic tires. 65,227; renewed Sept. 10, 1927.
Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing gum. 227,251; May 3; Serial No. 224,965; published Feb. 22, 1927.
Flemington Milling Co., Flemington, N. J. Graham and whole-wheat flour. 227,198; May 3; Serial No. 241,879; published Feb. 22, 1927.

Floorola Corporation, The, Baltimore, Md. Floor waxing, polishing, and scrubbing machines, etc. 227,196; May 3; Serial No. 241,477; published Feb. 22, 1927.
Floyd Snyder Baking Company, The, Wooster, Ohio. Bakery products—namely, bread, pies, cakes. 227,205; May 3; Serial No. 240,772; published Feb. 15, 1927.
Fluid Heat Corp., The, Baltimore, Md. Oil burners. 227,374; May 3; Serial No. 238,211; published Feb. 22, 1927.
Fort Mill Manufacturing Co., Fort Mill, S. C. Sheets and pillowcases. 227,180; May 3; Serial No. 243,046; published Feb. 22, 1927.
Foster, James W., Co., The, Bath, N. H. Ointment for piles, cuts, burns, etc. 61,666; renewed Apr. 2, 1927.
Fox, De Witt, New York, N. Y. Belts, suspenders, and garters. 227,240; May 3; Serial No. 239,513; published Feb. 15, 1927.
Franklin Simon & Co. Inc., New York, N. Y. Horological instruments consisting of watches. 227,313; May 3; Serial No. 240,245; published Feb. 15, 1927.
Franklin Simon & Co. Inc., New York, N. Y. Jewelry consisting of necklaces, pendants, bracelets, rings, etc. 227,314; May 3; Serial No. 240,248; published Feb. 15, 1927.
Freund, Henry, Houston, Tex. Fuel-mixing gas savers for internal-combustion motors. 227,423; May 3; Serial No. 241,713; published Feb. 22, 1927.
Friedman, B., Shoe Co. Inc., New York, N. Y. Shoes. 227,255; May 3; Serial No. 214,246; published Feb. 15, 1927.
Gabriel Sedlmayr Brauerei zum Spaten, assignor to Gabriel u. Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. München, Munich, Germany. Lager beer. 29,756; renewed Mar. 30, 1927.
Gabriel Sedlmayr Brauerei zum Spaten, assignor to Gabriel u. Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. München, Munich, Germany. Lager beer. 29,758; renewed Mar. 30, 1927.
Gaither Oil Company, Inc., The, Fort Worth, Tex. Petroleum. 227,378; May 3; Serial No. 238,370; published Feb. 15, 1927.
Gans Brothers Inc., Baltimore, Md. Umbrellas and parasols. 227,221–4; May 3; Serial Nos. 241,275–8; published Feb. 15, 1927.
Garnichard, Joseph A., Chicago, Ill. Powder for removing hair, hair waving and curling fluid, face cream, etc. 227,438; May 3; Serial No. 204,450; published Feb. 22, 1927.
Gekras Laboratory, Inc., New York, N. Y. Ointment or cream for softening the skin. 227,240; May 3; Serial No. 242,424; published Feb. 22, 1927.
Golden State Pickle Co. (See Juenemann, Leo. J.)
Goldstein, Paul, & Co. Inc., New York, N. Y. Radio receiving sets and parts thereof. 227,436; May 3; Serial No. 203,034; published Feb. 15, 1927.
Goldstein, S & S, Inc., New York, N. Y. Men's, young men's, and boys' clothing. 227,206; May 3; Serial No. 240,782; published Feb. 15, 1927.
Grauert, Ralph W., New York, N. Y. Pigment black, white, and colored stamping leaf to be used on a hot-stamping press. 227,469; May 3.
Greever-Lotspeich Manufacturing Company, to Greever-Lotspeich Manufacturing Company, Knoxville, Tenn. Flavoring extracts. 60,478; renewed Feb. 12, 1927.
Greist Manufacturing Company, The, New Haven, Conn. Combination knife and cork puller. 227,337; May 3; Serial No. 240,602; published Feb. 22, 1927.
Griess-Pfleger Tanning Company, The, Cincinnati, Ohio. Leather. 227,443; May 3.
Griswoldville Mfg. Company, New York, N. Y. Knitted or netted textile fabrics sold in the piece. 227,410; May 3; Serial No. 242,292; published Feb. 22, 1927.
Gruenstein, Siegfried B., Chicago, Ill. Magazine. 227,406; May 3; Serial No. 242,183; published Feb. 22, 1927.
Guerrini Company. (See Petromilli, Pasquale.)
H. P. B. Publishers, Inc., New York, N. Y. Section of a monthly periodical. 227,226; May 3; Serial No. 241,280; published Feb. 22, 1927.
Haber, Isidore, doing business as The Lily Food Products Co., Brooklyn, N. Y. Dried lentils, peas, beans, and rice. 227,446; May 3.
Hampshire Paper Company, South Hadley Falls, Mass. Writing and printing paper and mailing envelopes. 227,444; May 3.
Harbutt, Wm., assignor to Harbutt's Plasticine, Ltd., Bath, England. Modeling paste. 60,921; renewed Feb. 26, 1927.
Hardman, Peck & Co. (See Autotone Company, The.)
Harlem Card & Paper Co., New York, N. Y. Blank forms and correspondence paper, writing and printing paper, etc. 227,260; May 3; Serial No. 231,037; published Feb. 22, 1927.
Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, Calif. Medicinal preparation used hypodermically. 227,432; May 3; Serial No. 241,773; published Feb. 22, 1927.
Harter, H. G., Company, The, Toledo, Ohio. Medicine for use in the treatment of influenza, malaria, etc. 227,389; May 3; Serial No. 240,554; published Feb. 22, 1927.
Hartman Furniture & Carpet Co., Chicago, Ill. Electric percolators, household stoves, grills, waffle irons, etc. 227,460; May 3.

Hecht Co., The, Washington, D. C., doing business as The Hub and Hecht Brothers, Baltimore, Md., and New York, N. Y. Shoes. 227,416; May 3; Serial No. 241,618; published Feb. 15, 1927.
Heddon's, James, Sons, Dowagiac, Mich. Artificial baits. 227,405; May 3; Serial No. 242,127; published Feb. 22, 1927.
Henry, Martin L., Shamokin, Pa. Hosiery, knitted and textile underwear, etc. 227,340; May 3; Serial No. 240,655; published Feb. 15, 1927.
Hickey-Freeman Co., Rochester, N. Y. Men's suits. 227,342; May 3; Serial No. 241,157; published Feb. 15, 1927.
Hills Brothers Company, The, New York N. Y. Brazil nuts, mixed nuts, filberts, almonds, and pecans in the shell. 227,400; May 3; Serial No. 242,005; published Feb. 22, 1927.
Hooker, Corser and Mitchell Company, Brattleboro, Vt. Overalls and jumpers. 63,232; renewed June 11, 1927.
House of Tre-Jur, Inc., New York, N. Y. Compact powders and rouges, lip sticks, eyebrow pencils, etc. 227,295; May 3; Serial No. 242,482; published Feb. 22, 1927.
House of Tre-Jur, The, New York, N. Y. Face, talcum, and compact powder, rouge, cold cream, vanishing cream, etc. 227,426; May 3; Serial No. 241,718; published Feb. 22, 1927.
Hub Confectionery Co., West Somerville, Mass. Candy and nut candy. 227,265; May 3; Serial No. 233,088; published Feb. 22, 1927.
Hub, The. (See Hecht Co., The.)
Humbert, Alfred, & Son, Philadelphia, Pa. Wedding rings. 227,181; May 3; Serial No. 241,283; published Feb. 15, 1927.
Humble Oil & Refining Company, Houston, Tex. Chemicals for treating oils and emulsions. 227,237; May 3; Serial No. 239,418; published Feb. 22, 1927.
Hunter, Dr. L. M., doing business as Dexo Chemical Co., Little Rock, Ark. Medicine for epilepsy and nervous disorders. 227,268; May 3; Serial No. 242,834; published Feb. 22, 1927.
I. G. Farbenindustrie Aktiengesellschaft Leverkusen, near Cologne-on-the-Rhine, Germany. Dyes and dyestuffs. 227,300; May 3; Serial No. 242,529; published Feb. 22, 1927.
I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany. Dyes and dyestuffs. 227,413; May 3; Serial No. 242,869; published Feb. 22, 1927.
Irwin Auger Bit Company, The, Wilmington, Ohio. Bits and augurs. 65,244; renewed Sept. 17, 1927.
Johnson, S. C., & Son, Racine, Wis. Electric floor-polishing machines. 227,213; May 3; Serial No. 240,977; published Feb. 15, 1927.
Johnston, Robert A., Co., Milwaukee, Wis. Sugar wafers. 227,424; Apr. 3; Serial No. 241,723; published Feb. 15, 1927.
Johnston, Robert A., Co., Milwaukee, Wis. Sandwich cooky. 227,425; May 3; Serial No. 241,724; published Feb. 15, 1927.
Juenemann, Leo J., doing business as Golden State Pickle Co., Los Angeles, Calif. Pickles and condiments. 227,448; May 3.
Kansas Flour Mills Corporation, The, doing business as Bulte Mills, Kansas City, Mo. Wheat flour. 227,229; May 3; Serial No. 240,714; published Feb. 15, 1927.
Kansas Flour Mills Corporation, The, Kansas City, Mo. Wheat flour. 227,230; May 3; Serial No. 240,718; published Feb. 15, 1927.
Kansas Flour Mills Corporation, The, doing business as Bulte Mills, Kansas City, Mo. Wheat flour. 227,231; May 3; Serial No. 240,719; published Feb. 15, 1927.
Kansas Flour Mills Corporation, The, Kansas City, Mo. Wheat flour. 227,232; May 3; Serial No. 240,722; published Feb. 15, 1927.
Keystone Catarrh Remedy Co., Belle Vernon, Pa. Salve. 63,958; renewed July 16, 1927.
Keystone Stove Foundry, Spring City, Pa. Furnaces, stoves, and ranges. 65,343; renewed Sept. 17, 1927.
Kibbe Brothers Company. (See Touraine Confectionery Co., assignor.)
Kidd and Company, Inc., Chicago, Ill. Peanut butter, honey, and caramel sandwich spread. 227,326; May 3; Serial No. 236,612; published Nov. 9, 1926.
Kingan & Co., Incorporated, Indianapolis, Ind. Lard, ham, and bacon. 227,255; May 3; Serial No. 227,843; published Feb. 22, 1927.
Klorx Company, Columbia, S. C. Liquid antiseptic for medical use and for purposes of personal hygiene. 227,417; May 3; Serial No. 241,625; published Feb. 8, 1927.
Knickerbocker Silk Co., New York, N. Y. Silk goods in the piece and silk velvets in the piece. 227,208; May 3; Serial No. 240,865; published Feb. 22, 1927.
Koch Auto Electric Co., Louisville, Ky. Liquid detergent. 227,233; May 3; Serial No. 240,418; published Feb. 15, 1927.
Koenig Medicine Co., assignor to Koenig Medicine Company, Chicago, Ill. Medicines. 30,550; renewed Sept. 14, 1927.
Krause, Charles, doing business as Montana Cereal Co., Billings, Mont. Wheat breakfast cereals. 227,186; May 3; Serial No. 241,416; published Feb. 15, 1927.

Kroiopp, Joseph, Youngstown, Ohio. Medicines. 227,404; May 3; Serial No. 242,061; published Feb. 22, 1927.
Krouse, Robert L., Colorado Springs, Colo. Cold, vanishing, tissue, etc., cream, bath salts, etc. 227,177; May 3; Serial No. 242,897; published Feb. 22, 1927.
Krueger, Carl E., Glenwood Springs, Colo. Medical compound. 227,305; May 3; Serial No. 240,663; published Feb. 22, 1927.
Labrocel Packing Co., Inc. (See Cellas', Inc.)
Lamont, Corlis & Company. See Société Générale Suisse de Chocolats.)
Landau, John A., New York, N. Y. Yarns. 227,303; May 3; Serial No. 242,671; published Feb. 22, 1927.
Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 227,311; May 3; Serial No. 240,195; published Feb. 15, 1927.
La Pierre, Alexander J., doing business as Auto Vacuum Products Co., New York, N. Y. B-battery eliminator for radio work. 227,370; May 3; Serial No. 237,868; published Feb. 15, 1927.
Large Distilling Co., The. (See Renziehausen, Frederick C.)
La Salle Products, Inc., St. Paul, Minn. Perfume, toilet water, face powder, etc. 227,304; May 3; Serial No. 242,675; published Feb. 22, 1927.
Laughlin, Homer, Los Angeles, Calif. Fresh grapes. 227,269; May 3; Serial No. 242,838; published Feb. 22, 1927.
Leslie-California Salt Co., San Francisco, Calif. Table salt. 227,401; May 3; Serial No. 242,014; published Feb. 22, 1927.
Lewis, George P., doing business as The Farmers and Merchants Cooperative Advertising Agency, Denver, Colo. Booklets and circulars sold to the trade as such. 227,439; May 3; Serial No. 206,420; published Feb. 22, 1927.
Liebschutz, Harry D., doing business as The Primfit Textile Co., assignor to The Primfit Textile Co., Inc., Cincinnati, Ohio. Hosiery and knitted and textile underwear. 227,418; May 3; Serial No. 241,630; published Feb. 15, 1927.
Lily Food Products Co., The. (See Haber, Isidore.)
Lincoln, Alfred L. (See Purdy, Herbert L., assignor.)
Lindt & Sprungli, Inc. (See Soc. An. des. Fabriques Bernoises & Zuricoises de Chocolat Lindt & de Chocolat Sprüngli, assignor.)
Littlefield & Steere Co., Knoxville, Tenn. Candies of all kinds. 64,363; renewed Aug. 6, 1927.
Long's Hat Stores, New York, N. Y. Men's hats. 227,335; May 3; Serial No. 240,499; published Feb. 15, 1927.
Lubricant Laboratories, Inc., Boston, Mass. Dry-cleaning preparation for fabrics and other articles. 227,209; May 3; Serial No. 240,869; published Feb. 22, 1927.
Lüling, F. Wilhelm, Volmarstein-on-the-Ruhr, Germany. Padlocks, door locks, furniture locks, latches, and bolts. 227,356; May 3; Serial No. 216,275; published June 22, 1926.
Lyons, Izora M., doing business as California Oil Burner Company, Kansas City, Mo. Liquid-fuel burners. 227,466; May 3.
Lyons Piece Dye Works, Paterson, N. J. Silk piece goods. 227,463–4; May 3.
Marcelle Sweets Inc., Newark, N. J. Chocolate candy, candy-coated nuts, etc. 227,241; May 3; Serial No. 239,534; published Feb. 22, 1927.
Marshall Field & Company, Chicago, Ill. Cotton and woolen dress goods. 64,143; renewed July 23, 1927.
Marshall Field & Company, Chicago, Ill. Linen, cotton, and linen and cotton piece goods. 64,791; renewed Aug. 20, 1927.
Mason, David, Boston, Mass. Preparation for the treatment of the hair and scalp. 227,377; May 3; Serial No. 238,328; published Feb. 22, 1927.
Mathewson, William S., doing business as Dyner Food Company, Philadelphia, Pa. Dressing for salads, cold meats, and other foods. 227,472; May 3.
Maxwell, Leon A., doing business as Maxwell & Son, Newark, N. J. Potato chips, nut meats. 227,341; May 3; Serial No. 241,108; published Feb. 22, 1927.
McCreery, James, & Company, New York, N. Y. Dry goods consisting of piece goods of silk, cotton, wool, etc., and laces. 227,395; May 3; Serial No. 241,890; published Feb. 22, 1927.
Membard-Gourley Co., New York, N. Y. Medicine. 227,402; May 3; Serial No. 242,017; published Feb. 22, 1927.
Mesiro & Herzberg, New York, N. Y. Women's dresses, suits, coats, and furs. 227,315; May 3; Serial No. 234,526; published Jan. 4, 1927.
Meyer, E., et Co., Paris, France. Velvets, velours, velveteens, etc. 227,187; May 3; Serial No. 241,425; published Feb. 22, 1927.
Meyer, George, jr., Milwaukee, Wis. Electrically-illuminated panel for displaying house numbers, etc. 227,384; May 3; Serial No. 239,186; published Feb. 15, 1927.
Michigan Testing Laboratories, The, Detroit, Mich. Preparation for the treatment of rheumatism. 227,382; May 3; Serial No. 238,087; published Feb. 22, 1927.
Monroe Milling Company, Waterloo, Ill. Self-rising flour. 227,263; May 3; Serial No. 232,027; published Feb. 15, 1927.
Monroe Milling Company, Waterloo, Ill. Self-rising flour. 227,264; May 3; Serial No. 232,030; published Feb. 15, 1927.
Montana Cereal Co. (See Krause, Charles.)
Morgan Crucible Co. Limited, The, Battersea, London, England. Motor brushes and brushes for dynamos. 62,799; renewed May 28, 1927.
Morgan Crucible Company Limited, The, Battersea, London, England. Articles made of refractory material. 64,341; renewed Aug. 6, 1927.
Mt. Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton goods—namely, sheetings, drills, and twills. 227,393; May 3; Serial No. 211,942; published Feb. 22, 1927.
Müller, Albert, New York, to Albert Müller, Jamaica, N. Y. Accumulators. 61,650; renewed Apr. 2, 1927.
Munyon Remedy Co., Scranton, Pa. Tonic for restoring nerve forces, etc. 227,296; May 3; Serial No. 242,486; published Feb. 22, 1927
National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 64,597; renewed Aug. 13, 1927.
National Tribune Company, The, to National Tribune Corporation, Washington, D. C., successor. Newspaper. 60,169; renewed Jan. 29, 1927.
National Tribune Corporation, Washington, D. C. Newspaper. 227,250; May 3; Serial No. 242,488; published Feb. 22, 1927.
Newark Tortoise Shell Novelty Co., Newark, N. J. Celluloid combs, hairpins, barrettes, shoe buckles, brushes, mirrors, etc. 227,433; May 3; Serial No. 241,831; published Feb. 22, 1927.
New Jersey Zinc Company, The, Newark and Franklin, N. J. Lithopone. 227,306; May 3; Serial No. 240,677; published Feb. 22, 1927.
New Ulm Roller Mill Company, New Ulm, Minn. Wheat flour. 227,427; May 3; Serial No. 241,741; published Feb. 15, 1927.
New Way Manufacturing Co. (See Young, Elizabeth O.)
New York-New England Company, The, Holyoke, Mass. Writing and printing papers and ledger record, vellum, envelope, etc., papers. 227,316; May 3; Serial No. 234,727; published Feb. 22, 1927.
New York & Paris Peacock Shoe Stores, Inc., New York, N. Y. Shoes made of leather and fancy materials for dress wear. 227,328; May 3; Serial No. 236,949; published Feb. 15, 1927.
Niagara Knitting Co., Inc., New York, N. Y. Swimming suits. 227,183; May 3; Serial No. 241,349; published Feb. 15, 1927.
Ohio Injector Co., The, Wadsworth Ohio. Injectors for stationary and locomtive steam boilers. 61,712; renewed Apr. 2, 1927.
Oliver-Finnie Co., Memphis, Tenn. Coffee and tea. 65,265; renewed Sept. 17, 1927.
Ono Trading Co. (See Tatsukawa, Noosaburo.)
Opie, John T., doing business as Opie Brush Company, Kansas City, Mo. Soaps and scouring and cleaning compounds. 227,447; May 3.
Osborne Company, The, Newark, N. J., and New York, N. Y., to The Osborne Company, Newark, N. J. Advertising calendars and blotters. 65,333; renewed Sept. 17, 1927.
Osborne, Owen, assignor to Owen Osborne, Inc., Philadelphia, Pa. Hosiery. 62,359–60; renewed Apr. 30, 1927.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits and vegetables. 227,386; May 3; Serial No. 242,743; published Feb. 22, 1927.
Papendick & Co., assignor to Papendick Bakery Company, St. Louis, Mo. Bread. 64,314; renewed July 30, 1927.
Paull, E. Penelope, doing business as Tip-O-Lax Company, New York, N. Y. Lubricant laxative. 227,178; May 3; Serial No. 242,904; published Feb. 22, 1927.
Pears, A. & F., Limited, London, England. Perfumed fancy soaps. 62,384; renewed May 7, 1927.
Peck & Peck, New York, N. Y. Perfume. 227,202; May 3; Serial No. 242,439; published Feb. 22, 1927.
Pendleton Woolen Mills, Portland, Oreg. Woolen blankets. 227,302; May 3; Serial No. 242,010; published Feb. 22, 1927.
Peoples Drug Stores, Inc., Washington, D. C. Denatured alcohol, zinc ointment, castor oil, etc. 227,440; May 3; Serial No. 206,974; published Dec. 28, 1926.
Peoples Milling Company, Muskegon, Mich. Poultry feed and dairy feed. 227,318; May 3; Serial No. 235,418; published Feb. 15, 1927.
Pequanoc Rubber Company, Butler, N. J. Reclaimed rubber. 65,324; renewed Sept. 17, 1927.
Percival, Frank M., doing business as Adam de Cluhn Laboratories, Corona, N. Y. Medicine for the nerves. 227,373; May 3; Serial No. 238,137; published Feb. 22, 1927.
Petromilli, Pasquale, doing business as Guerrini Company, San Francisco, Calif. Accordions. 227,452; May 3.
Phoenix Laboratories. (See Snitzer, Morris.)
Phoenix Pad Company, to Phoenix Pad Manufacturing Co., Baltimore, Md., successor. Pads or padding for coats or garments. 64,861; renewed Aug. 27, 1927.
Picher Lead Company, Joplin, Mo., assignor to The Eagle-Picher Lead Company, Chicago, Ill. Lead pigments. 63,340; renewed June 18, 1927.

Polly Portable Phonograph Co., Inc., The, New York, N. Y. Musical instruments and supplies. 227,459; May 3.
Poloris Company, Inc., New York, N. Y. Toothache drops. 227,297; May 3; Serial No. 242,497; published Feb. 22, 1927.
Pope Publishing Corporation, New York, N. Y. Magazine. 227,428; May 3; Serial No. 241,743; published Feb. 22, 1927.
Prayson and Prayannis, Tulsa, Okla. Chocolates, bonbons, and other homemade candies. 227,387; May 3; Serial No. 242,746; published Feb. 22, 1927.
Primfit Textile Co., The. (See Liebschutz, Harry D.)
Purdy, Herbert L., Boston, Mass., assignor to Alfred L. Lincoln, East Weymouth, Mass. Leather boots and shoes. 61,575; renewed Mar. 26, 1927.
Pure Oil Company, Philadelphia, Pa., assignor to Pure Oil Company, Columbus, Ohio. Refined petroleum and burning oils. 59,829; renewed Jan. 22, 1927.
Pure Oil Company, Philadelphia, Pa., assignor to Pure Oil Company, Columbus, Ohio. Lubricating oils and greases, plumbago used as a lubricant, and lubricating graphite. 60,667; renewed Feb. 19, 1927.
Pyro Corrosanti Co. Inc., The, Dover, N. J. Anticorrosive paints. 227,372; May 3; Serial No. 238,073; published Feb. 15, 1927.
Renziehausen, Frederick C., doing business as The Large Distilling Co., Pittsburgh, Pa. Whisky. 61,688; renewed Apr. 2, 1927.
Renziehausen, Frederick C., doing business as The Large Distilling Co., Pittsburgh, Pa. Whisky. 62,783; renewed May 21, 1927.
Rhoads, J. E., & Sons, Philadelphia, Pa. Moccasin laces and shoe strings. 227,420; May 3; Serial No. 241,670; published Feb. 22, 1927.
Rich, M., & Bros. Co., Atlanta, Ga. Linen, silk, cotton, and worsted braids, artificial flowers, etc. 227,357; May 3; Serial No. 216,360; published Feb. 15, 1927.
Roberts, W. J., Medicine Company, Coldwater, Mich. Medicine. 65,180; renewed Sept. 10, 1927.
Roessel, Louis, & Co., Inc., Hazleton, Pa., and New York, N. Y. Silk piece goods. 227,385; May 3; Serial No. 242,691; published Feb. 22, 1927.
Rosenthal, H. B.,-Ettlinger Co., New York, N. Y. Coats. 227,188; May 3; Serial No. 241,442; published Feb. 15, 1927.
Rossville Packing Co., The, Rossville, Ill. Canned corn. 227,330; May 3; Serial No. 242,765; published Feb. 22, 1927.
Round-Up, The, Forest Park, Ill. Magazines. 227,254; May 3; Serial No. 227,688; published Feb. 22, 1927.
Russell & Stoll Company, New York, N. Y. Electrical receptacles, cable connecters, electrical switches, etc. 227,210; May 3; Serial No. 240,880; published Feb. 15, 1927.
Ryola Health Bread Company, Minneapolis, Minn. Bread. 227,197; May 3; Serial No. 241,499; published Feb. 15, 1927.
Sächsisches Serumwerk A. G., Dresden, Germany. Prophylactic against lues and gonorrhea. 227,173; May 3; Serial No. 234,468; published Feb. 15, 1927.
Saks, Jacob, doing business as Sax-On Paint Stores, Chicago, Ill. Dry, paste, and ready-mixed paints. 227,369; May 3; Serial No. 237,516; published Feb. 15, 1927.
Sapalcol Aktiengesellschaft für Pharmazeutische u. Kosmetische Präparate, Cologne-on-the-Rhine, Germany. Ointments, liniments, etc. 227,362; May 3; Serial No. 224,475; published Feb. 22, 1927.
Sapalcol Aktiengesellschaft für Pharmazeutische u. Kosmetische Präparate, Cologne-on-the-Rhine, Germany. Bactericides, deodorizers, mouth-washing liquids, etc. 227,363; May 3; Serial No. 224,476; published Feb. 22, 1927.
Savell, Sayre & Company, Inc., Niagara Falls, N. Y. Polishes. 227,411; May 3; Serial No. 242,818; published Feb. 22, 1927.
Sax-On Paint Stores. (See Saks, Jacob.)
Schluderberg, Wm., T. J. Kurdle Co., The, Baltimore, Md. Lards, creamery butter, hams, bacons, shoulders, sausage, pork roll, etc. 227,272; May 3; Serial No. 164,086; published Feb. 15, 1927.
Schluderberg, Wm., T. J. Kurdle Co., The, Baltimore, Md. Lards, creamery butter, hams, bacon, etc. 227,273; May 3; Serial No. 166,267; published Feb. 22, 1927.
Schluderberg, Wm., T. J. Kurdle Co., The, Baltimore, Md. Lards, creamery butter, fresh and smoked hams, bacon, shoulders, and sausage, etc. 227,274; May 3; Serial No. 166,268; published Feb. 15, 1927.
Schneider, Jacob, & Co., to Ada S. Wemple, doing business as Jacob Schneider & Co., Chicago, Ill. Medicines for blood diseases. 61,956; renewed Apr. 9, 1927.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Arch supports. 227,465; May 3.
Schroder, J. Henry, Banking Corporation, New York, N. Y. Financial publication. 227,225; May 3; Serial No. 241,639; published Mar. 22, 1927.
Selby Shoe Co., The, Portsmouth, Ohio. Boots and shoes. 227,259; May 3; Serial No. 230,591; published Feb. 15, 1927.
Selvidge, Frank, Duncan, Okla. Preparation for use in the treatment of venereal diseases. 227,248; May 3; Serial No. 242,397; published Feb. 22, 1927.
Sharood, Charles R., doing business as The Shoe Specialty Company, St. Paul, Minn. Shoes. 227,312; May 3; Serial No. 240,219; published Feb. 15, 1927.
Shoe Specialty Company, The. (See Sharood, Charles R.)
Shoemaker, Robt., & Co., assignor to Robt. Shoemaker & Co. Inc., Philadelphia, Pa. White lead. 62,271; renewed Apr. 30, 1927.
Shoemaker, Robt., & Co., assignor to Robt. Shoemaker & Co. Inc., Philadelphia, Pa. Paints. 62,272; renewed Apr. 30, 1927.
Shuler & Benningbofen, Hamilton, Ohio. Woolen felts and woolen blankets. 227,261; May 3; Serial No. 231,126; published Feb. 22, 1927.
Shur-On Standard Optical Co., Inc., Geneva, N. Y. Eyeglass and spectacle frames. 227,219; May 3; Serial No. 242,755; published Feb. 22, 1927.
Siegel & Co., Cologne-Braunsfeld, Germany. Cleaners, dressings, creams, and polishes for footwear, etc. 227,320; May 3; Serial No. 236,444; published Feb. 22, 1927.
Simmons-Hardware Company, St. Louis, Mo. Lawn mowers, lawn-mower parts, and grass catchers. 65,365; renewed Sept. 24, 1927.
Simson & Frey, Inc., New York, N. Y. Adjusters or tuners for violins. 227,334; May 3; Serial No. 240,448; published Feb. 15, 1927.
Sizer, Richard, Limited, Wilmington, Hull, England. Machines for manufacturing cattle cake. 227,244; May 3; Serial No. 239,724; published Feb. 22, 1927.
Smith, Elmer W., Inc., Seattle, Wash. Canned fish. 227,329; May 3; Serial No. 242,757; published Feb. 22, 1927.
Smith & Nichols, Incorporated, New York, N. Y. Candies. 227,199; May 3; Serial No. 240,740; published Feb. 15, 1927.
Smith & Nichols, Incorporated, New York, N. Y. Candies. 227,200; May 3; Serial No. 240,745; published Feb. 15, 1927.
Snapple Service, Inc., Yakima, Wash. Fresh apples. 227,189–90; May 3; Serial Nos. 241,447–8; published Feb. 22, 1927.
Snitzer, Morris, doing business as Phoenix Laboratories, St. Louis, Mo. Medicinal capsules for the treatment of headache, rheumatism, etc. 227,388; May 3; Serial No. 241,006; published Feb. 22, 1927.
Soc. An. des Fabriques Bernoises & Zuricoises de Chocolat Lindt & de Chocolat Sprüngli, Kilchberg, near Zurich, Switzerland, assignor to Lindt & Sprungli, Inc., New York, N. Y. Chocolate. 57,613; renewed Nov. 18, 1927.
Société Générale Suisse de Chocolats, Vevey, Switzerland, to Lamont, Corliss & Company, New York, N. Y., successor. Chocolate. 52,937–8; renewed May 22, 1926.
Society of Chemical Industry in Basle, Basel, Switzerland. Certain medicine. 61,791; renewed Apr. 2, 1927.
Society of Chemical Industry in Basle, Basel, Switzerland. Medicine. 62,300; renewed Apr. 30, 1927.
Socoya Products Corporation, Cleveland, Ohio. Laxative jam having the form, appearance, and flavor of a fruit jam. 227,360; May 3; Serial No. 222,527; published Jan. 4, 1927.
Southern Cold Storage Co., Cleveland, Tenn. Ice. 227,256; May 3; Serial No. 229,200; published June 1, 1926.
Spalding, A. G., & Bros., Jersey City, N. J., and New York, N. Y. Clothing. 63,797; renewed July 9, 1927.
Spartan Manufacturing Co., Galesburg, Ill., to Spartan Manufacturing Company, Pontiac, Ill. Feed grinders. 60,987; renewed Feb. 26, 1927.
Spencer Chick Hatchery, The, Spencer, Iowa. Live chicks. 227,257; May 3; Serial No. 229,201; published Feb. 22, 1927.
Spring City Knitting Company, Spring City, Pa. Ladies' cotton knit underwear. 227,368; May 3; Serial No. 237,476; published Dec. 28, 1926.
Springfield Grocer Company, Springfield, Mo. Canned fruits, canned vegetables, canned fish, and cocoa. 227,233; May 3; Serial No. 240,752; published Feb. 22, 1927.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils. 227,238; May 3; Serial No. 239,431; published Feb. 15, 1927.
Standard Oil Company (New Jersey), Bayonne, N. J. Insecticides, deodorants, and disinfectants. 227,365; May 3; Serial No. 237,340; published Feb. 22, 1927.
Standard Oil Company (New Jersey), Bayonne, N. J. Paraffin wax and harness oil. 227,457; May 3.
Standard Oil Company (New Jersey), Bayonne, N. J. Liquid gloss, floor oil, and floor dressing. 227,458; May 3.
Sterling Oil Company, assignor to Sterling Oil Company of Pennsylvania, Emlenton, Pa. Oils and greases used in stuffing and finishing leather. 64,179; renewed July 30, 1927.
Stoltze, Henry A., doing business as Extermx Fumigators, Chicago, Ill. Insect exterminators. 227,258; May 3; Serial No. 230,366; published Feb. 22, 1927.
Street, Geo. O., & Sons, assignor to George O. Street & Sons, Inc., New York, N. Y. Jewelry. 64,447; renewed Aug. 6, 1927.
Strouse Corset Company, Inc., The, New Haven, Conn. Corsets, girdles, brassières, etc. 227,307; May 3; Serial No. 240,010; published Feb. 15, 1927.

Sullo, Salvatore, Boston, Mass. Beverages. 227,403; May 3; Serial No. 242,030; published Feb. 22, 1927.
Sutherland Food Products Company, The, Hamilton, Ohio. Candied and salted pop corn. 227,252; May 3; Serial No. 225,325; published Feb. 22, 1927.
T & T Company (Not Inc.). (See Brumer, Bros.)
Tall-One Company, The, Dayton, Ohio. Beverages and sirups, emulsions, etc. 227,191; May 3; Serial No. 241,452; published Feb. 22, 1927.
Tate, Henry, & Sons, Limited, assignor to Tate & Lyle Ltd., London, England. Refined sugar. 62,267; renewed Apr. 30, 1927.
Tatsukawa, Naosaburo, doing business as Ono Trading Co., San Francisco, Calif. Canned sardines. 227,441–2; May 3; Serial Nos. 209,821–2; published Feb. 22, 1927.
Tide Water Oil Co., New York, N. Y., to Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Illuminating oil. 65,205; renewed Sept. 10, 1927.
Tip-O-Lax Company. (See Pauli, E. Penelope.)
Toto Company Limited, London, England. Lignone extract for use in tanning and as a filler for textile materials. 227,201; May 3; Serial No. 240,753; published Feb. 15, 1927.
Touraine Confectionery Co., Boston, assignor to Kibbe Brothers Company, Springfield, Mass. Chocolates. 64,764; renewed Aug. 20, 1927.
Unionsbrauerei Schüllein & Co. Actien-Gesellschaft, assignor to Aktienbrauerei zum Lowenbrau in München, Munich, Germany. Beer. 64,639; renewed Aug. 13, 1927.
Valier & Spies Milling Corporation, St. Louis, Mo. Wheat flour. 227,202; May 3; Serial No. 240,754; published Feb. 22, 1927.
Valier & Spies Milling Corporation, St. Louis, Mo. Wheat flour. 227,203; May 3; Serial No. 240,755; published Feb. 15, 1927.
Valier & Spies Milling Corporation, St. Louis, Mo. Wheat flour. 227,204; May 3; Serial N. 240,758; published Feb. 15, 1927.
Valier & Spies Milling Corporation, St. Louis, Mo. Wheat flour. 227,234–5; May 3; Serial Nos. 240,756–7; published Feb. 15, 1927.
Van Norden, Max L., New York, N. Y. Baled overissued newspapers, sometimes called old newspapers. 227,247; May 3; Serial No. 239,870; published Jan. 25, 1927.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Carbolic ointment. 227,338; May 3; Serial No. 240,633; published Feb. 15, 1927.
Virginia-Carolina Chemical Company, Jersey City, N. J.; Richmond and Norfolk, Va.; Charleston, S. C.; Savannah and Atlanta, Ga.; Montgomery, Ala.; Durham, N. C.; and Memphis, Tenn., to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 61,315; renewed Mar. 12, 1927.
Vivaudou, Victor, New York, N. Y. Face powders, creams, and packs, toilet waters, rouges, perfumes, etc. 227,270; May 3; Serial No. 242,867; published Feb. 22, 1927.
Wallace & Co., New York, N. Y., to Wallace & Co., Brooklyn, N. Y. Chocolates and candy. 65,382; renewed Sept. 24, 1927.
Wanamaker, John, assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Bicycles. 30,346; renewed July 6, 1927.
Wanamaker, John, assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Corsets. 63,917; renewed July 16, 1927.
Wanamaker, John, assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Kid gloves. 64,205; renewed July 30, 1927.
Wanamaker, John, assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Knitted underwear. 64,870; renewed Aug. 27, 1927.
Watkins, J. R., Company, The, Winona, Minn. Medicinal preparations. 227,293; May 3; Serial No. 242,458; published Feb. 22, 1927.
Weidlich Bros. Mfg. Co., The, Bridgeport, Conn. Gold and silver plated metal novelties. 227,462; May 3.
Wel-Ever Piston Ring Company, The, Toledo, Ohio. Piston rings. 227,437; May 3; Serial No. 203,656; published Feb. 22, 1927.
Wells, Ephraim S., assignor to William H. Wells and George T. Wells, executors and trustees, Jersey City, N. J. Poison for rats, mice, vermin, and insects. 65,367; renewed Sept. 24, 1927.
Wemple, Ada S. (See Schneider, Jacob, & Co.)
West Electric Hair Curler Corporation, Philadelphia, Pa. Bath salts. 227,407; May 3; Serial No. 242,219; published Feb. 15, 1927.
Whitcher, Frank W., assignor to Frank W. Whitcher Company, Boston, Mass. Rubber goods. 64,079; renewed July 23, 1927.
Whitcher, Frank W., assignor to Frank W. Whitcher Company, Boston, Mass. Shoe and corset laces. 65,133; renewed Sept. 10, 1927.
Whitman, F. E., Chemical Company, The, Binghamton, N. Y. Ointment for the treatment of bronchitis, colds, coughs, asthma, etc. 227,396; May 3; Serial No. 241,915; published Feb. 22, 1927.
Whitman Publishing Co., Racine, Wis. Playing cards. 227,429; May 3; Serial No. 241,758; published Feb. 22, 1927.
Willson Bros., Edgerton, Wis. Flavoring preparation. 65,134; renewed Sept. 10, 1927.
Winsted Edge Tool Works, The, Winsted, Conn. Hand tools and mechanics' tools. 227,246; May 3; Serial No. 239,838; published Jan. 18, 1927.
Wissig, Frank, Baltimore, Md. Roller coasters and sleds. 227,412; May 3; Serial No. 242,328; published Feb. 22, 1927.
Wolferman, Fred, assignor, by mesne assignments, to Fred Wolferman, Inc., Kansas City, Mo. Smoked meats. 60,712; renewed Feb. 19, 1927.
Women's Wear Company, New York, N. Y. Newspaper. 227,298; May 3; Serial No. 242,516; published Feb. 22, 1927.
Woolson Spice Co., The, Toledo, Ohio. Coffee. 227,430; May 3; Serial No. 241,762; published Feb. 22, 1927.
Worthington, George, Company, The, Cleveland, Ohio. Saws. 63,020; renewed June 4, 1927.
Worthington, George, Company, The, Cleveland, Ohio. Horse blankets. 63,831; renewed July 9, 1927.
Wright & Ditson, Jersey City, N. J., and Boston, Mass., to Wright & Ditson, Jersey City, N. J. Footwear. 64,257; renewed July 30, 1927.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Medicinal solution of iron chlorid. 62,984; renewed June 4, 1927.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Medicinal pencils or cones. 62,985; renewed June 4, 1927.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Pastils. 63,076; renewed June 4, 1927.
Young, Elizabeth O., doing business as New Way Manufacturing Co., St. Paul, Minn. Cleaning compounds for use generally as a dry cleaner for fabrics, etc. 227,309; May 3; Serial No. 240,120; published Feb. 22, 1927.
Zadek Feldstein Co., Inc., New York, N. Y. Baby rattles, dolls, doll toilet sets, etc. 227,192; May 3; Serial No. 241,457; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Telescopes and field glasses. 227,275–9; May 3; Serial Nos. 194,833–7; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Telescopes. 227,280–1; May 3; Serial Nos. 194,838–9; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Telescopes, field glasses. 227,282–3; May 3; Serial Nos. 194,840–1; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Telescopes. 227,284; May 3; Serial No. 194,842; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Objectives. 227,285; May 3; Serial No. 194,843; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Objectives. 227,286–7; May 3; Serial Nos. 194,844–5; published Feb. 22, 1927.
Zeiss, Carl, Jena, Germany. Instruments for measuring work pieces, screws, sheet metals, etc. 227,288; May 3; Serial No. 194,846; published Feb. 22, 1927.
Zion National Kosher Sausage Factory, Inc., New York, N. Y. Bologna, salami, pastrami, corned beef, spiced beef, etc. 227,358; May 3; Serial No. 219,927; published Feb. 22, 1927.
Zion National Kosher Sausage Factory, Inc., New York, N. Y. Salami. 227,359; May 3; Serial No. 219,928; published Feb. 22, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Aumack, Howard W., doing business as Aumack Manufacturing Co., Jersey City, N. J. Odorod Clothes Closet Rod. For Clothes-Closet Fixtures. 32,025; May 3.
Buswell, Lewis, Lemmon, S. Dak. Just Lade Eggs. For eggs. 32,026; May 3.
Gage, Fred A., Chicago, Ill. Kiddies Transfer Fluid. For a Transfer Fluid. 32,028; May 3.
Hoffman, Arthur H., Richmond Hill, N. Y. Hoffman's Honey. For Honey. 32,029; May 3.
Hollingsworth Candy Co., doing business as Hollingsworth's, Augusta, Ga. Breath of France. For Candy. 32,030; May 3.
Kleckner, David, New York, N. Y. Kleckner's High Grade Pure Coffee. For Coffee. 32,031; May 3.
L. & M. Chemical Company, Malden, Mass. Getsum Insecticide. For Spray for Killing Bugs and Insects. 32,027; May 3.
Landis, Edgar, South Bend, Ind. Sour Medicine. For Remedy for Bronchitis, Sore Throat, Stomach Trouble, Quinsy, and Indigestion. 32,032; May 3.
McCandless, Fannie L., doing business as A. C. McCandless & Son Mfg. Co., Wichita, Kans. Gorilla Rubber Patch. For Rubber Patches. 32,033; May 3.
Philadelphia Malt Warehousing Corporation, Philadelphia, Pa. Kick-O. For Malt Sirup. 32,034; May 3.

Philadelphia Malt Warehousing Corporation, Philadelphia, Pa. Paters. For Malt Sirup. 32,035; May 3.
Philadelphia Malt Warehousing Corporation, Philadelphia, Pa. Lucky Dutchman. For Malt Sirup. 32,036; May 3.
Schlitz, Jos., Beverage Company, Milwaukee, Wis. Frontenac. For Malt Sirup. 32,037; May 3.
Schlitz, Jos., Beverage Company, Milwaukee, Wis. Liederkranz. For Malt Sirup. 32,038; May 3.
Schlitz, Jos., Beverage Company, Milwaukee, Wis. Long Horn. For Malt Sirup. 32,039; May 3.
Schlitz, Jos., Beverage Company, Milwaukee, Wis. Target. For Malt Sirup. 32,040; May 3.
Superior Biscuit Co., Seattle, Wash. This Car Loaded With Superior Salted Sodas. For Soda Crackers. 32,041; May 3.
Todd, Virgil M., doing business as Todd's Products Co., Everett, Wash. Todd's Auto Polish. For a Polish for Automobiles and Furniture. 32,042; May 3.
Todd, Virgil M., doing business as Todd's Products Co., Everett, Wash. Todd's Window Cleaner. For a Preparation for Cleaning Windows. 32,043; May 3.
West, Benjamin F., Salem, Oreg. Famous Oregon Prunes and Walnuts in a Delicious Blend. For a Health-Giving Confection. 32,044; May 3.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. Dos Obras Maestras Venus De Milo No. 515. For Lead Pencils. 9,790; May 3.
American Lead Pencil Company, New York, N. Y. Lapices De Grafito Venus No. 514. For Lead Pencils. 9,791; May 3.
American Lead Pencil Company, New York, N. Y. Lápices De Copiar Venus No. 525. For Lead Pencils. 9,792; May 3.
Cream of Wheat Co., Minneapolis, Minn. Watch Him Shoot the Basket! Health Habits Build the Energy That Wins. Every School Day Eat a Hot Cereal Breakfast—Cream of Wheat. For Wheat Breakfast Food. 9,793; May 3.
Cream of Wheat Co., Minneapolis, Minn. Yours—Nothing too Hard to do for Them—Surely Not This Simple Thing! For Wheat Breakfast Food. 9,794; renewed May 3.
Meier, Joshua, New York, N. Y. 'Sews' Your Old Man. For Needles. 9,795; May 3.
Rice, Jerome B., Seed Co., Cambridge, N. Y. Rice's Saxa Radish. For Radish Seeds. 9,796; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. We Asked 50,000 Dentists the Most Frequent Cause of Tooth Decay and Gum Infection. For Dental Cream. 9,797; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. What Did The Dentists Say? For Dental Cream. 9,798; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Can You Afford to Neglect This Warning Given By the Dental Profession? For Dental Cream. 9,799; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. We Offer You Here the Judgment of the Dental Profession. For Dental Cream. 9,800; May 3.
Squibb, E. R., & Sons, New York, N. Y. The Only Real Authority Now Tells You the Facts About Tooth Decay and Gum Infections. For Dental Cream. 9,801; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. There's Something Wrong Across the Street. For Analgesic Balm, Rochelle Salts, Talcum Powder, Nursery Cream, Zinc Ointment, Cold Cream, Benzoinated Cream, Nursery Powder, Dental Cream, Milk of Magnesia, Tasteless Castor Oil, Cod-Liver Oil, Sodium Bicarbonate, Epsom Salt, and Boric Acid. 9,802; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. For You This New Knowledge May Mean the Priceless Gift of Health. For Dental Cream. 9,803; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Keep Health Playing on Your Side. For Dental Cream. 9,804; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. How to Get Children to Take Castor Oil. For Castor Oil. 9,805; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Mother. For Milk of Magnesia, Cod-Liver Oil, Tasteless Castor Oil, Sodium Bicarbonate, Cold Cream, Epsom Salt (Powdered and Granulated) Analgesic Balm, and Nursery Powder. 9,806; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. 50,000 Dentists End Confusion. For Dental Cream. 9,807; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. The Evidence is Overwhelming. For Dental Cream. 9,808; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. These Answers from 50,000 Dentists Point the Way to Proper Care For Your Teeth and Gums. For Dental Cream. 9,809; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. 50,000 Dentists Settle The Question About the Proper Care of Teeth and Gums. For Dental Cream. 9,810; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Will You Take The Word of 50,000 Dentists? For Dental Cream. 9,811; May 3.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. The Entire Dental Profession Was Asked to Settle This Question. For Dental Cream. 9,812; May 3.
Sylvester, Thomas J., doing business as Thomas Sylvester, Philadelphia, Pa. Don't Forget to Take One Home. For Souvenir Coin or Pocket Piece. 9,813; May 3.
Unovesell Malt Co., Fall River, Mass. Unovesell Malt and Hops. For Malt and Hops. 9,814; May 3.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. & J. Manufacturing Co., The, Binghamton, N. Y. Brushes and griddle greasers. 246,257; May 3.
A. & J. Manufacturing Co., The, Binghamton, N. Y. Measuring spoons. 246,258; May 3.
Acme Spring Sash Balance Co., The. (See Kersting, Albert H.)
Aerovox Wireless Corporation, Brooklyn, N. Y. Resistances for use to control current in electrical and radio circuits. 244,582; May 3.
Alpa Chemical Company. (See Paradis, Albani H.)
Aluminum Industries, Inc., Cincinnati, Ohio. Aluminum. 245,685; May 3.
American Crayon Company, The, Sandusky, Ohio. School and artists' crayons. 244,202; May 3.
American Machine & Foundry Company, Jersey City, N. J., and New York, N. Y. Lead-coated articles. 245,527; May 3.
American Potash & Chemical Corporation, New York, N. Y. Borax and boric acid. 244,203; May 3.
Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 240,943; May 3.
Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 241,017; May 3.
Anchor Hardware Stores Co., Kansas City, Mo. Shovels, hoes, axes, etc. 232,115; May 3.
Armould Oil Company, Quincy, Ill. Gasoline. 245,318; May 3.
Armstrong Cork Company, Lancaster, Pa. Cork materials. 243,409; May 3.
Armstrong Cork & Insulation Company, Pittsburgh, Pa. Cork board. 244,911; May 3.
Arveo Industries, Grosse Ile, Mich. Treated polishing and dusting cloths. 244,205; May 3.
Atkins, E. C., & Company, Indianapolis, Ind. Saws, knives, etc. 237,307; May 3.
Babani, Maurice, Paris, France. Perfume, toilet water, face powder, etc. 245,775; May 3.
Babcock, A. P., Company, New York, N. Y. Face powders, creams, packs, toilet waters, rouges, perfumes, etc. 243,681; May 3.
Bamdas, Samuel M., North Arlington, N. J. Animal skins. 241,311; May 3.
Bankers' Metal Polish Co., Greensboro, N. C. Metal polish. 245,043; May 3.
Barnet Leather Co., Inc., New York, N. Y. Leather. 244,599; May 3.
Bass, E. & J., Inc., New York, N. Y. Silver-plated candlesticks, fruit bowls, salt and pepper shakers, etc. 242,040; May 3.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bass, E. & J., Inc., New York, N. Y. Gold-plated candlesticks, fruit bowls, salt and pepper shakers, etc. 242,041; May 3.

Bates Manufacturing Company, The, Orange, N. J. Index devices, paper fastening devices. 240,397; May 3.

Bates Thompson, Inc., New York, N. Y. Hats. 243,340; May 3.

Beaver, Herman L., Philadelphia, Pa. Polishing and burnishing material. 242,772; May 3.

Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 245,983; May 3.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Collars, pyjamas, night robes, etc. 206,052; May 3.

Bernstein, Maurice L., doing business as Marjo Drug Co., Washington, D. C. Insecticides. 246,329; May 3.

Biederman Bros. Produce Co., St. Louis, Mo. Fresh tomatoes. 246,264; May 3.

Bloom, William, & Company, Inc., New York, N. Y. Perfumes, floral water, bath salts, face powder, etc. 243,685; May 3.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 246,591; May 3.

Borgsmiller, Henry, & Sons, Murphysboro, Ill. Rolled oats, cocoa, dates, mincemeat, etc. 243,192; May 3.

Borsum Bros., New York, N. Y., and Jersey City, N. J. Material for polishing metals. 244,849; May 3.

Boudou, Gaston, London, England. Hair washes, hair preparations, etc. 235,452; May 3.

Bourjois, Inc., New York, N. Y. Perfume, toilet water, face powder, and sachet. 246,265; May 3.

Boyd-Richardson Company, St. Louis, Mo. Shirts and undershirts, hosiery, etc. 244,490; May 3.

Brody, Max, doing business as Brody Brothers, New York, N. Y. Hosiery, underwear, sweaters, etc. 243,342; May 3.

Brooklyn Butter & Egg Protective Association, Brooklyn, N. Y. Eggs. 244,978; May 3.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 242,275; May 3.

Browning-Roberts Belting Company, Knoxville, Tenn. Leather belting and belt lacing. 244,816; May 3.

Bruder, Edmund, Chicago, Ill. Radio receiving sets and radio sending sets, transformers, etc. 244,600; May 3.

Brunssen, George, Company, New York, N. Y. Sweatbands for headgear. 244,688; May 3.

Bubblestone Company, The, Pittsburgh, Pa., and Berkeley, Calif. Cementitious and plastic building materials. 240,166; May 3.

Buffalo Lounge Company, Buffalo, N. Y. Davenports, chairs, footstools, etc. 242,472; May 3.

Buigas, Santos & Co., San Antonio, Tex. Coffee. 245,955; May 3.

Bulliard, Edmond, doing business as Evangeline Pepper Products Ed. Bulliard, St. Martinville, La. Foods and ingredients of foods. 243,477; May 3.

Burnett, Joseph, Company, Boston, Mass. Hairdressing. 246,413; May 3.

Cambern Brothers, Spokane, Wash. Breads, cakes, and pastries. 236,734; May 3.

Carborundum Company, The, Niagara Falls, N. Y. Apparatus for spraying or forcibly ejecting cementitious compositions. 228,846; May 3.

Carson Pirie Scott & Co., Chicago, Ill. Underwear. 241,089; May 3.

Cassard, Dudley V., doing business as Cassard Specialty Laboratories, Grand Rapids, Mich. Chemical gasoline energizer. 243,253; May 3.

Castle Company, Lyons, N. Y. Canned vegetables. 243,748; May 3.

Cavalier Coverlet Co. (See Dunster, Charles H.)

Cenol Company, Chicago, Ill. Soap, cleaning compounds, etc. 244,982; May 3.

Central Scientific Company, Chicago, Ill. Vacuum pumps. 245,956; May 3.

Century Pharmacal Co. (See Goldstein, Samuel A., Co.)

Chandler and Rudd Company, The, Cleveland, Ohio. Candy. 246,074; May 3.

Chero Cola Bottling Company. (See May, C. Edward.)

Citrus Chemical Corporation, The, Elkton, Md. Laxative drinks. 246,267; May 3.

Clark, J. R., Company, The, Minneapolis, Minn. Stepladders and stepladder stools. 241,927; May 3.

Cohn Hall Marx Co., New York, N. Y. Rep in the piece. 241,323; May 3.

Colgate & Company, Jersey City, N. J., and New York, N. Y. Shaving soap and sticks. 244,000; May 3.

Colman, Louis, West Hampstead, London, England. Stockings and socks. 244,916; May 3.

Colonial Dames Corporation, Los Angeles, Calif. Beautifier, rouge, hair tonic, etc. 244,137; May 3.

Columbia Metal Products Company, Chicago, Ill. Can openers. 246,197; May 3.

Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. 243,590; May 3.

Compound & Pyrono Door Company, St. Joseph, Mich. Doors of wood construction. 243,591; May 3.

Concrete Equipment Co., Holland, Mich. Brick, tile, blocks, and concrete structural units. 244,392; May 3.

Conley Camera Company, Rochester, Minn. Phonographs, reproducers, tone arms, etc. 236,008; May 3.

Consumers Brewing Company of New York Limited, New York, N. Y. Malt sirup. 245,474; May 3.

Continental Chemical Corporation of Illinois, Watseka, Ill. Floor polish. 244,669; May 3.

Coplan, E., Sons, Baltimore, Md. Neckties. 244,393; May 3.

Crystal Chemical Company, Inc., New York, N. Y. Mineral oil. 246,082; May 3.

Darlington, W. R., doing business as Darlox Manufacturing Company, Kansas City, Mo. Compound for which a treatment is made intended to darken and restore faded, streaked and gray hair to add to its otherwise natural color. 246,269; May 3.

Darlox Manufacturing Company. (See Darlington, W. R.)

'D'Ciny'. (See La Salle Products, Inc.)

Dean's Rag Book Co. Ltd., London, England. Toy animals. 245,178; May 3.

Delco-Light Company, Dayton, Ohio. Pumps and pumping apparatus. 244,904–5; May 3.

Dennison Manufacturing Company, Framingham, Mass. Crepe paper doll outfits. 244,605; May 3.

Dextrose Co. Inc., The, New York, N. Y. Dextrose. 228,808; May 3.

Di Fiore, D., Canning Company, San Jose, Calif. Canned fruits and vegetables. 243,255; May 3.

Dunster, Charles H., doing business as Cavalier Coverlet Co., New York, N. Y. Bedcovers, bedspreads, etc. 244,920; May 3.

Eavenson, J., & Sons, Inc., Philadelphia, Pa., and Camden, N. J. Soap. 244,295; May 3.

Ecker & Co. Inc., St. Louis, Mo. Greeting cards, books, and booklets. 244,065–6; May 3.

Eldridge, Mrs. John, jr., Hepworth, Ontario, Canada. Plum pudding. 242,988; May 3.

Electrad, Inc., New York, N. Y. Stabilizers for electric circuits. 242,989; May 3.

Electric Refrigeration Corporation, Detroit, Mich. Refrigerators and refrigerator parts. 244,673; May 3.

Ellis, Francis C., doing business as Ellis Research Laboratories. Instrument for diagnosis and food and remedy testing by analysis of radiant energies. 237,795; May 3.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 246,089; May 3.

Eshborn, Samuel, New York, N. Y. Phonograph reproducers. 241,992; May 3.

Evangeline Pepper Products Ed. Bulliard. (See Bulliard, Edmond.)

Excello Rubber Co. Inc., New York, N. Y. Clothing, suits, overcoats, etc. 242,054; May 3.

Fair Waist & Dress Co., Inc., New York, N. Y. Dresses. 244,297; May 3.

Fairchild Bros. & Foster, New York, N. Y. Preparation of alkaline salts. 246,154; May 3.

Falikas Laboratory, Bridgeport, Conn. Medicine for use to rejuvenate glands, build health, etc. 245,538; May 3.

Farley & Loetscher Mfg. Co., Dubuque, Iowa. Ironing boards and cabinets therefor. 233,876; May 3.

Fawcett, Hughes, New York, N. Y. Braids, shoe laces, and hat bands. 241,207–9; May 3.

Federal Packing Co., The, Cleveland, Ohio. Beef, mutton, lamb, veal, etc. 234,571; May 3.

Fenole Chemical Company. (See Powell, Wylie R.)

Figonet Company, The, Rochester, N. Y. Candy. 233,432; May 3.

Firestone Footwear Company, Hudson, Mass. Boots and shoes. 245,625; May 3.

Fischer, Carl, Inc., New York, N. Y. Violins, chin rests, strings, mutes, etc. 241,273; May 3.

Fisher & Rockwell, Chicago, Ill. Automobile accessories. 234,859; May 3.

Flents Products Company. (See Low, Clarence H.)

Fromageries Bel, Lons-le-Saunier, Jura, France. French Gruyère cheese. 243,535–7; May 3.

Gasoline Register Company, Chicago, Ill. Quantity-recording and receipt-issuing machines used in the sale of gasoline. 234,297; May 3.

Gelg Art, Incorporated, Washington, D. C. Dresses, hats, caps, scarfs, etc. 244,974; May 3.

General Embroidery & Military Supply Co., Inc., New York, N. Y. Insignias and emblems. 242,583; May 3.

Gervaise Graham Company. (See Graham, Percy.)

Gewerkschaft Wallram, Abteilung Metallwerke, Essen-Ruhr, Germany. Drawplates, draw nozzles, etc. 231,801; May 3.

Glick, Max, Company, The, Cleveland, Ohio. Candy. 240,186; May 3.

Goldhill, Edward S., New York, N. Y. Doughnuts. 219,328; May 3.

Goldstein, Samuel A., doing business as Century Pharmacal Co., New York, N. Y. Medicinal preparation. 244,555; May 3.

Gould Coupler Co., The, New York, N. Y. Castings. 244,690; May 3.

Graham, Percy, doing business as Gervaise Graham Company, Chicago, Ill. Hand lotion. 246,844; May 3.

Grassmuck, H. O., Company, Los Angeles, Calif. Hosiery. 244,152; May 3.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Graves & Meade & Baker Company, New York, N. Y. Dentifrice. 245,906; May 3.

Gray, Harold L., Chicago, Ill. Comic picture pages, pictures, strips, etc. 242,122; May 3.

Greenwald, Max S., New York, N. Y. Watches, clocks, watch movements, etc. 245,092; May 3.

Grover, Herman, New York, N. Y. Writing paper. 242,533; May 3.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes and cologne. 239,884; May 3.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty creams, etc. 240,256; May 3.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty cream, etc. 240,302; May 3.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty creams, etc. 240,351; May 3.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty creams, etc. 240,491; May 3.

Guthrie & Co., Limited, Singapore, Straits Settlements, and London, England. Fresh fish, canned fish, cheese, rice, etc. 241,279; May 3.

Hackenberg, Harvey J. A., Cleveland, Ohio. Candies. 236,608; May 3.

Hallock-Denton Co., Newark, N. J. Glycerin, sweet oil, ammonia, etc. 239,515; May 3.

Hagerty, P., Shoe Company, The, Washington, Ohio. Shoes of leather and of leather and fabric combinations. 243,758; May 3.

Harwix, Ewald, Berlin, Germany, doing business as Harwix Optische Anstalt, assignor to Mirakel Optical Co., Mount Vernon, N. Y. Field glasses and opera glasses. 245,982; May 3.

Heather Company, New York, N. Y. Face powder, face creams, face packs, etc. 246,279–80; May 3.

Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, smoking jackets, golf suits, etc. 242,668; May 3.

Hockings, Alfred J., Crystal Falls, Mich. Silver nitrate. 246,284; May 3.

Independent Oil Company, Wilmington, Del., and Washington, D. C. Motor fuel, more particularly gasoline. 242,592; May 3.

Inecto Inc., New York, N. Y. Hair dye. 233,816; May 3.

Isaacson, William O., Chicago, Ill. Anchors used in building construction. 243,386; May 3.

Iwata, K. C., doing business as K. C. Iwata Co., Brawley, Calif. Cantaloupes, tomatoes, lettuce, etc. 227,650; May 3.

Jackson Fox Farms, Incorporated, Morley, Mich. Foxes and furs. 233,776; May 3.

Jenkin-Guerin Oil Company, St. Louis, Mo. Lubricating oils and greases. 245,560; May 3.

Jentieson & Kaplan, New York, N. Y. Watches. 245,719; May 3.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Bed sheets, pillowcases, bedspreads, etc. 241,288; May 3.

Kerley, Henry E., Hartsville, Tenn. Dropsy and heart preparations. 239,117; May 3.

Kersting, Albert H., doing business as The Acme Spring Sash Balance Co., Los Angeles, Calif. Spring sash balances. 246,163; May 3.

Keystone Refractories Company, New York, N. Y. Plastic firebrick. 243,097; May 3.

Killem Manufacturing Company, Orlando, Fla. Insecticide. 243,952; May 3.

King Quality Products Inc., Buffalo, N. Y. Automotive parts. 233,558; May 3.

King Refractories Company, Incorporated, Buffalo, N. Y. Cement. 244,282; May 3.

Knighton, Samuel, & Sons, Inc., New York, N. Y. Wheat flour. 246,292–3; May 3.

Knowles & Company, Inc., Boston, Mass. Pipes. 242,787; May 3.

Koegel's, Charles, Sons, Inc., Holyoke and Springfield, Mass. Slitting machines. 245,728; May 3.

Kopp, Spurgeon G. doing business as Kopp Chemical Company, Kingston, Pa. Metal polish. 245,013; May 3.

Kroger Grocery and Bakery Company, The, Cincinnati, Ohio. Jell powder. 245,646; May 3.

Kupferman, L., & Co., New York, N. Y. Suits. 240,266; May 3.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Lacquer. 244,831; May 3.

Lawrence, A. C., Leather Company, Boston, Mass. Leather. 245,098; May 3.

La Rosco Co. (See Whitman, R. C.)

La Salle Products, Inc., doing business as 'D'Ciny', St. Paul, Minn. Perfumes, toilet waters, talcum powder, etc. 228,384; May 3.

La Verne Orange Association, La Verne, Calif. Fresh citrous fruits. 243,876; May 3.

Lerner, Joseph S., doing business as Vogue Hosiery Shops, Kansas City, Kans. Hosiery. 243,878; May 3.

Liberty Manufacturing Co., Baltimore, Md. Nightgowns, pyjamas, etc. 244,407; May 3.

Lingerie Co., The, Newark, N. J. Ladies' underwear, and nightwear. 244,874; May 3.

Love, G. R., doing business as The Summit Laboratories, Oconomowoc, Wis. Tooth paste, mouth wash, hand lotion, etc. 244,454; May 3.

Low, Clarence H., doing business as Flents Products Company, New York, N. Y. Device adapted to be inserted in the auditory canal of the ear to occlude extraneous noises and induce sleep. 246,035; May 3.

Lucky Stripe Tailoring Co., New York, N. Y. Coats, vests, trousers, etc. 244,562; May 3.

Ludden-Burton Company, The, Worcester, Mass. Windshield wipers of the squeegee type and parts thereof. 245,101; May 3.

Lumbermen's Door & Trim Company, Cleveland, Ohio. Wrapped units of interior wood moldings, etc. 244,506; May 3.

Lundborg, Inc., New York, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 243,718; May 3.

M. B. M. Products Corporation, The, West Haven and New Haven, Conn. Pencil sharpeners. 245,795; May 3.

Manchester, William H., doing business as Vin Ade Company, Providence, R. I. Grape sirup. 245,403; May 3.

Marjo Drug Co. (See Bernstein, Maurice L.)

Mathieson Alkali Works, Inc., The, New York, N. Y. Tanning compound. 246,089; May 3.

May, C. Edward, doing business as Chero Cola Bottling Company, Baltimore, Md. Beverages sold as soft drinks. 241,830; May 3.

McLarens, Limited, Hamilton, Ontario, Canada. Jelly powder. 244,705; May 3.

Meier & Frank Company, Portland, Oreg. Suits and overcoats. 242,016; May 3.

Menley & James, Ltd., New York, New York, N. Y. Medicinal agents. 242,957; May 3.

Men's Wear Service Corporation, The, Chicago, Ill. Magazine. 245,740; May 3.

Michelback, William S., Alexandria, Va. Insecticide. 244,621; May 3.

Middlemiss, Watson, Co., Tacoma, Wash. Lifting jacks. 238,930; May 3.

Miller, W. Y., Schuylkill Haven, Pa. Boots and shoes. 233,214; May 3.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. 245,798; May 3.

Mirakel Optical Co. (See Harwix, Ewald, assignor.)

Mohawk Rubber Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes. 245,997; May 3.

Montgomery, James, Mauck, Port, Ind. Table sirup. 245,507; May 3.

Morning Telegraph Company, New York, N. Y. Column of news in the Morning Telegraph. 244,022; May 3.

Morse, Frank W., doing business as Frank W. Morse Company, Boston, Mass. Radio equipment. 202,184; May 3.

Morvay and Sons Company, Bridgeton, N. J. Knitted and woven undershirts, union suits, bloomers, etc. 243,373; May 3.

Mosler Safe Company, The, New York, N. Y. Doors of burglar proof and fireproof structures. 241,783; May 3.

Murine Company, Inc., The, Chicago, Ill. Eye remedies and salve. 242,958; May 3.

National Auto Varnispar Co., Inc., Louisville, Ky. Varnishes, paint enamels, etc. 244,363; May 3.

National Fibre Box Company, Incorporated, New York, N. Y. Boxes and cartons made from fiber paper. 244,623; May 3.

New Jersey Lime Products Corporation, New York, N. Y. Lime and limestone for construction purposes. 242,490; May 3.

Nicholson Thackery Company, The, Pawtucket, R. I. Canned crab meat, berries, wheat flour, canned vegetables, pickles, etc. 243,723; May 3.

Nite-Eve Light Corporation, The, Denver, Colo. Electric headlights, reflectors, etc. 231,204; May 3.

Norton-Blair-Douglass, Inc., New York, N. Y. Elevators and parts thereof, etc. 234,591; May 3.

Ordway, Jesse H., doing business as Smoothtex Company, Worcester, Mass. Comber noils mixture for use for cleaning purposes. 245,746; May 3.

Original Hat Works, Chicago, Ill. Ladies' hats. 243,774; May 3.

Pacific Coast Talc Company, Los Angeles, Calif. Talc. 242,247; May 3.

Pacific Lime Company Limited, Vancouver, British Columbia, Canada. Plaster, lime, etc. 236,174; May 3.

Page, Ethel M., Northampton, Mass. Lubricating oils. 239,542; May 3.

Palais Royal, Inc., The, Washington, D. C. Toilet waters, perfumes, tooth paste, etc. 244,097; May 3.

Palais Royal, Inc., The, Washington, D. C. Kitchen cabinets, card tables, Windsor chairs, etc. 244,099; May 3.

Paradis, Albani H., doing business as Alhpa Chemical Company, Biddeford, Me. Stove polish. 245,406; May 3.

Paragraving Press, Inc., New York, N. Y. Stationery. 243,826; May 3.

Paris Medicine Co., St. Louis, Mo. Antiseptic healing oil. 246,048–9; May 3.

Parke, Davis & Company, Detroit, Mich. General tonic. 246,175; May 3.

Paterson, Simons & Co. Ltd., London, England. Playing cards. 237,040; May 3.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Patrowich, Samuel, Philadelphia, Pa. Suits, overcoats, and topcoats. 241,899; May 3.
Paulo Silk Company, Duluth, Minn. Hosiery, dresses, scarfs, etc. 244,716; May 3.
Pennsylvania Chocolate Company, Pittsburgh, Pa. Cocoa. 159,528; May 3.
Penny, J. C., Company, Wilmington, Del., and New York, N. Y. Yarns. 246,565; May 3.
Phosphates de Saint-Symphorien, Saint-Symphorien, near Mons, Belgium. Phosphates and other fertilizers. 244,718; May 3.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Tire covers. 212,399; May 3.
Pittsburg and Midway Coal Mining Company, The, Kansas City, Mo. Coal. 235,784; May 3.
Postal Pen Company, Inc., New York, N. Y. Fountain pens. 244,469; May 3.
Powell, Wylie R., doing business as Fenole Chemical Company, Jacksonville, Fla. Insecticides. 246,500; May 3.
Primrose Petroleum Company, Dallas, Tex. Gasoline, kerosene, and lubricating oils. 246,119; May 3.
Priscilla Company, The, Boston, Mass. Sewing machines. 246,120; May 3.
Prym, William, Company, Limited, The, Stolberg, Germany. Pins, buckles, etc. 231,341; May 3.
Purity Chemical Products Company, Santa Rosa, Calif. Laundry bleach. 244,571; May 3.
Reach, A. J., Company, Philadelphia, Pa. Baseballs, bats, masks, protectors, etc. 245,296; May 3.
Reichman & Faust, New York, N. Y. Nail polish. 244,629; May 3.
Reiner, Robert, Incorporated, Weehawken, N. J. Embroidery and textile machinery. 242,143; May 3.
Republic Metalware Co., The, Buffalo, N. Y. Forks, knives, carving sets, etc. 239,429; May 3.
Roberti Bros., Los Angeles, Calif. Bed springs. 244,025; May 3.
Rosalind Underwear Co. Inc., New York, N. Y. Underwear. 241,681; May 3.
Rowntree & Company, Limited, York, England. Cocoa, chocolate, and candy. 240,444; May 3.
Rowntree & Company, Limited, York, England. Cocoa, chocolate, candy, etc. 242,441; May 3.
Rubinow, Joseph H., Inc., New York, N. Y. Women's hats. 242,540; May 3.
Sabrowske, Herman, Oberlin, Ohio. Derailers. 246,230; May 3.
St. Petersburg Bond & Mortgage Company, St. Petersburg, Fla. Trade paper. 244,111; May 3.
San Francisco Grocery Co., San Francisco, Calif. Bleaching fluid and disinfectant. 246,054; May 3.
Sanitary Food Manufacturing Company, St. Paul, Minn. Crackers, cakes, cookies, preserves, etc. 239,771; May 3.
Schwannecke, Frederick A., doing business as F. A. Schwannecke Co., New Rochelle, N. Y. Face powders, talcum powders, etc. 246,636; May 3.
Seipel, Ralph H., doing business as Seipel Food Products Company, Pittsburgh, Pa. Ice-cream confections and confections consisting of pastry shells filled with custard. 197,908; May 3.
Seymour, Malcolm, Boston, Mass. Sleeping garment. 241,640; May 3.
Shuler & Benninghofen, Hamilton, Ohio. All-wool blankets. 229,879; May 3.
Silten, Ernst, Berlin, Germany. Electrically-driven small compressors and inhaling apparatus. 245,663; May 3.
Simon, R. & H., Company, Union City, N. J. Silk piece goods. 246,129; May 3.
Sinclair, Bernice, Indianapolis, Ind. Hats and dresses for women and children. 244,726; May 3.
Slipper Shop, Inc., The, Chicago, Ill. Hosiery. 244,794; May 3.
Smith Premier Typewriter Company, The, Syracuse and New York, N. Y. Typewriting machines. 245,230; May 3.
Smoothtex Company. (See Ordway, Jesse H.)
Societe du Louvre (Societe Anonyme), Paris, France. Perfume, toilet water, rouge, etc. 245,811; May 3.
Soieries Condurier, Fructus & Descher de New York, Inc., New York, N. Y. Silk thread. 188,643; May 3.
Sparta, Angelo, doing business as The Sparta Chemical Co., Hoboken, N. J. Medical preparation. 243,241; May 3.
Sparta Ceramic Company, The, East Sparta, Ohio. Tiles. 244,327; May 3.
Speas Manufacturing Company, Kansas City, Mo. Mixture of powdered pectin and acidified sugar, etc. 245,232; May 3.
Specialty Products Co., New York, N. Y. Lubricating oils. 245,115; May 3.
Standard Insulation Company, Rutherford, N. J. Varnish and automobile enamel. 243,394; May 3.
Stanley Works, The, New Britain, Conn. Hand planes. 245,868; May 3.
Sterling Engine Company, Buffalo, N. Y. Internal-combustion engines. 243,178; May 3.
Stern, L. & H., Inc., Brooklyn, N. Y. Pipes. 246,236; May 3.
Stone-Tarlow Co. Inc., Brockton, Mass. Leather shoes. 245,523; May 3.
Summit Laboratories, The. (See Love, G. R.)
Swift-Go Products Co. (See Wilson, William F.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Apparatuses, machines, and instruments for television and electrical transmission of pictures. 240,573; May 3.
Thomas, Errold B., Boston, Mass. Cellulosic material in sheet or layer form. 240,630; May 3.
Trappey, B. F., & Sons, Jeanerette, La. Pepper sauce. 245,762; May 3.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners of the squeegee type. 245,383; May 3.
Tyree, J. S., Chemist, Inc., Washington, D. C. Dentifrices. 233,039; May 3.
United Fuel & Supply Company, Detroit, Mich. Magazine. 242,633; May 3.
United States Electrical Manufacturing Company, Los Angeles, Calif. Electric motors. 244,638; May 3.
Universal Service Everywhere, Inc., Los Angeles, Calif. Gasoline, oils, and greases. 245,415; May 3.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparations. 246,451; May 3.
Vacuum Can Company, Chicago, Ill. Chromium plate. 243,631; May 3.
Valley Produce Company, San Francisco and El Centro, Calif. Fresh vegetables. 243,899; May 3.
Van Ameringen, Arnold L., New York, N. Y. Natural and synthetic essential oils suitable for perfuming purposes. 244,337; May 3.
Varsity Underwear Company, assignor to Varsity Underwear Company, Incorporated, Baltimore, Md. Union suits, undershirts, drawers, etc. 237,102; May 3.
Victor Monaghan Company, Greenville, S. C. Cotton piece goods. 246,579; May 3.
Vin Ade Company. (See Manchester, William H.)
Vintner Import Company, New York, N. Y. Grape juice. 245,038; May 3.
Vogue Hosiery Shops. (See Lerner, Joseph S.)
Wade & Butcher Corporation, Jersey City, N. J. Handles for knives, forks, and razors. 244,523; May 3.
Walrod Chemical Company, Hartford, Conn. Powder employed as a radiator cleanser. 243,570; May 3.
Wampole, Henry S., Company, The, Baltimore, Md. Cough sirup. 245,602; May 3.
Warner Gear Company, Muncie, Ind. Automobile transmissions. 244,805; May 3.
Webster, William A., Company, The, Memphis, Tenn. Shaving cream, soaps, etc. 244,641; May 3.
Weltz, Carl A., Somerville, Mass. Frankfurts, Wiener-style sausage, link sausage, etc. 243,571; May 3.
White Cash Market Company, Chicago and Evanston, Ill. Pork sausage and bacon. 242,644; May 3.
White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 243,907; May 3.
White, L. Q., Shoe Company, Bridgewater, Mass. Boots and shoes. 241,757; May 3.
White Star Refining Co. of Delaware, Detroit, Mich. Gasoline. 245,771; May 3.
Whitman, R. C., doing business as La Rosco Co., Macon, Ga. Hair grower and dressing. 245,176; May 3.
Wichita Mill & Elevator Company, The, Wichita Falls, Tex. Wheat flour. 246,061; May 3.
Wickwire Spencer Steel Company, New York, N. Y. Perforated sheet metal. 245,130; May 3.
Wiley, L. D., Madison, Ark. Preparation for use in the treatment of pellagra and chronic indigestion. 244,588; May 3.
Williamsport Mirror and Glass Company, Williamsport, Pa. Glass, silvered and unsilvered. 231,224; May 3.
Wilson, William F., doing business as Swift-Go Products Co., Trenton, N. J. Liniment, hairdressing, and shampoo, and face creams. 243,909; May 3.
Woertz, Henry, Waukegan, Ill. Ginger ale and beverages sold as soft drinks. 242,646; May 3.
Woodruff, Willard S., Boston, Mass. Cleaning preparation. 240,157; May 3.
Worstell, Thomas J., St. Louis, Mo. Salted peanuts. 243,076; May 3.
Worthington Pump and Machinery Corporation, New York, N. Y. Pumping machinery, pumps, engines, etc. 245,878; May 3.
Worzalla Publishing Company, Stevens Point, Wis. Wall calendars. 243,989; May 3.
Wrede, Robert C., doing business as Wrede Drug Co., Los Angeles, Calif. Laxative tablets. 238,824; May 3.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Baled overissued newspapers. M. L. Van Norden. 227,247; May 3; Serial No. 239,870; published Jan. 25, 1927.
Coal. Berwind White Coal Mining Company. 60,916; renewed Feb. 26, 1927.
Ice. Southern Cold Storage Co. 227,256; May 3; Serial No. 229,200; published June 1, 1926.
Leather. Griess Pfleger Tanning Company. 227,448; May 3.
Rubber, Reclaimed. Pequanoc Rubber Company. 65,324; renewed Sept. 17, 1927.
Shellac, button and garnet lac, Gum and orange. Angelo Bros. Limited. 227,289–91; May 3; Serial Nos. 191,611–13; published Sept. 28, 1924.
Shellac, button and garnet lac, Gum and orange. Angelo Bros. Limited. 227,434; May 3; Serial No. 195,617; published Sept. 28, 1924.
Shellac, button and garnet lac, Gum and orange. Angelo Bros. Limited. 227,435; May 3; Serial No. 195,619; published Sept. 28, 1924.

CLASS 3.

Horse blankets. George Worthington Company. 63,881; renewed July 9, 1927.
Purse, Combined coin and paper. C. E. Albright. 227,325; May 3; Serial No. 236,581; published Feb. 15, 1927.

CLASS 4.

Cleaners, dressings, creams, and polishes for footwear. Siegel & Co. 227,320; May 3; Serial No. 236,444; published Feb. 22, 1927.
Cleaning compounds. E. O. Young. 227,309; May 3; Serial No. 240,120; published Feb. 22, 1927.
Dry-cleaning preparations. Lubricant Laboratories, Inc. 227,209; May 3; Serial No. 240,869; published Feb. 22, 1927.
Oils and greases used in stuffing and finishing leather. Sterling Oil Company. 64,179; renewed July 30, 1927.
Paraffin wax and harness oil. Standard Oil Company (New Jersey). 227,457; May 3.
Polishes. Savell, Sayre & Company. 227,411; May 3; Serial No. 242,813; Feb. 22, 1927.
Soap. W. C. Black. 227,414; May 3; Serial No. 241,599; published Feb. 22, 1927.
Soaps. A. & F. Pears, Limited. 62,384; renewed May 7, 1927.
Soaps and scouring and cleaning compounds. J. T. Ople. 227,447; May 3.
Soaps and soap creams and powders for shaving. Dr. M. Alberaheim. 227,394; May 3; Serial No. 241,851; published Feb. 22, 1927.
Soaps, perfumes, powders, and liquids. Colgate & Company. 30,566; renewed Sept. 21, 1927.

CLASS 6.

Alcohol, slae ointment, castor oil, etc., Denatured. Peoples Drug Stores, Inc. 227,440; May 3; Serial No. 206,974; published Dec. 28, 1926.
Antifreeze composition. J. G. Collins. 227,286; May 3; Serial No. 239,897; published Feb. 22, 1927.
Antiseptic and prophylactic dental preparation. Avelin Laboratories. 227,324; May 3; Serial No. 236,719; published Feb. 22, 1927.
Antiseptic for medical use, etc., Liquid. Klorx Company. 227,417; May 3; Serial No. 241,625; published Feb. 8, 1927.
Bactericides, deodorizers, mouth-washing liquids, etc. Sapalcol Aktiengesellschaft für pharmaceutische u. kosmetische Präparate. 227,863; May 3; Serial No. 224,476; published Feb. 22, 1927.
Bath salts. West Electric Hair Curler Corporation. 227,407; May 3; Serial No. 242,219; published Feb. 15, 1927.
Chemicals for treating oils, etc. Humble Oil & Refining Company. 227,287; May 3; Serial No. 239,413; published Feb. 22, 1927.
Cough medicine. E. C. Doerr. 227,299; May 3; Serial No. 242,525; published Feb. 22, 1927.
Creams, bath salts, perfumes, etc., Cold. R. L. Krouse. 227,177; May 3; Serial No. 242,897; published Feb. 22, 1927.
Detergent, Liquid. Koch Auto Electric Co. 227,323; May 3; Serial No. 240,418; published Feb. 15, 1927.
Dyes and dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 227,300; May 3; Serial No. 242,529; published Feb. 22, 1927.
Dyes and dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 227,413; May 3; Serial No. 242,869; published Feb. 22, 1927.
Extract, Lignone. Toto Company Limited. 227,201; May 3; Serial No. 240,753; published Feb. 15, 1927.
Gum, Medicated chewing. Caleb Crawford Company. 227,381; May 3; Serial No. 238,896; published Feb. 22, 1927.
Insect exterminators. H. A. Stoltze. 227,259; May 3; Serial No. 230,366; published Feb. 22, 1927.
Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 227,365; May 3; Serial No. 237,240; published Feb. 22, 1927.
Laxative jam having the form, appearance, and flavor of a fruit jam. Socoya Products Corporation. 227,360; May 3; Serial No. 222,527; published Jan. 4, 1927.
Liniments. F. P. Douglas. 62,601; renewed May 14, 1927.
Lithopone. New Jersey Zinc Company. 227,306; May 3; Serial No. 240,677; published Feb. 22, 1927.
Lubricant laxative. E. P. Pauli. 227,178; May 3; Serial No. 242,904; published Feb. 22, 1927.
Medical compound. C. E. Krueger. 227,305; May 3; Serial No. 240,668; published Feb. 22, 1927.
Medical preparation. A. B. Colvin. 227,471; May 3.
Medicinal capsules. M. Snitzer. 227,388; May 3; Serial No. 241,006; published Feb. 22, 1927.
Medicinal pencils or cones. John Wyeth & Brother, Incorporated. 62,985; renewed June 4, 1927.
Medicinal preparation used hypodermically. Harrower Laboratory Inc. 227,432; May 3; Serial No. 241,773; published Feb. 22, 1927.
Medicinal preparations. J. R. Watkins Company. 227,295; May 3; Serial No. 242,458; published Feb. 22, 1927.
Medicinal solution of iron chlorid. John Wyeth & Brother, Incorporated. 62,984; renewed June 4, 1927.
Medicinal tablet. D. P. C. Laboratories, Inc. 227,398; May 3; Serial No. 241,989; published Feb. 22, 1927.
Medicine. W. C. Burk. 61,695; renewed Apr. 2, 1927.
Medicine. H. G. Harter Company. 227,339; May 3; Serial No. 240,654; published Feb. 22, 1927.
Medicine. Membard-Gourley Co. 227,402; May 3; Serial No. 242,017; published Feb. 22, 1927.
Medicine. W. J. Roberts Medicine Company. 65,180; renewed Sept. 10, 1927.
Medicine. Society of Chemical Industry in Basle. 61,791; renewed Apr. 2, 1927.
Medicine. Society of Chemical Industry in Basle. 62,300; renewed Apr. 30, 1927.
Medicine for epilepsy and nervous disorders. Dr. L. M. Hunter. 227,268; May 3; Serial No. 242,834; published Feb. 22, 1927.
Medicine for rheumatism, kidney trouble, etc. J. S. Day. 227,322; May 3; Serial No. 236,471; published Feb. 22, 1927.
Medicines. Koenig Medicine Co. 30,550; renewed Sept. 14, 1927.
Medicines. J. Krolopp. 227,404; May 3; Serial No. 242,061; published Feb. 22, 1927.
Medicines. Jacob Schneider & Co. 61,956; renewed Apr. 9, 1927.
Medicines for the nerves. F. M. Percival. 227,373; May 3; Serial No. 238,137; published Feb. 22, 1927.
Mouth washes. D. A. Fisher. 227,271; May 3; Serial No. 242,885; published Feb. 22, 1927.
Ointment. F. E. Whitman Chemical Company. 227,396; May 3; Serial No. 241,915; published Feb. 22, 1927.
Ointment, Carbolic. Van Vleet-Mansfield Drug Co. 227,338; May 3; Serial No. 240,683; published Feb. 15, 1927.
Ointment for piles, cuts, burns, etc. James W. Foster Co. 61,666; renewed Apr. 2, 1927.
Ointment or cream. Gekras Laboratory, Inc. 227,249; May 3; Serial No. 242,424; published Feb. 22, 1927.
Ointments and liniments, etc. Sapalcol Aktiengesellschaft für Pharmaceutische u. Kosmetische Präparate. 227,362; May 3; Serial No. 224,475; published Feb. 22, 1927.
Pastils. John Wyeth & Brother, Incorporated. 63,076; renewed June 4, 1927.
Perfume. Peck & Peck. 227,292; May 3; Serial No. 242,439; published Feb. 22, 1927.
Perfume, toilet water, face powder, etc. La Salle Products, Inc. 227,304; May 3; Serial No. 242,675; published Feb. 22, 1927.
Petroleum-jelly preparations. Chesebrough Manufacturing Company, Consolidated. 227,376; May 3; Serial No. 238,804; published Feb. 22, 1927.
Pile cones and ointments for affections of the skin. G. Lance Brown Co. 227,364; May 3; Serial No. 224,899; published Feb. 22, 1927.
Poisons for rats, mice, vermin, and insects. E. S. Wells. 65,367; renewed Sept. 24, 1927.
Powder for removing hair, hair waving and curling fluid, face creams, etc. J. A. Garnichard. 227,438; May 3; Serial No. 204,450; published Feb. 22, 1927.
Powder, talcum powder, compact powder, rouge, cold cream, vanishing cream, etc., Face. House of Tre-Jur. 227,426; May 3; Serial No. 241,718; published Feb. 22, 1927.
Powders and compact rouges, lip sticks, eyebrow pencils, etc., Compact. House of Tre-Jur, Inc. 227,295; May 3; Serial No. 242,482; published Feb. 22, 1927.
Powders, creams, and packs, toilet waters, rouges, perfumes, etc., Face. V. Vivaudou. 227,270; May 3; Serial No. 242,867; published Feb. 22, 1927.
Preparation for beautifying the complexion, etc. Joseph Burnett Company. 227,174; May 3; Serial No. 242,892; published Feb. 22, 1927.

Preparation for beautifying the complexion, etc. Joseph Burnett Company. 227,176; Apr. 3; Serial No. 242,895; published Feb. 22, 1927.
Preparation for the treatment of rheumatism. Michigan Testing Laboratories. 227,382; May 3; Serial No. 238,987; published Feb. 22, 1927.
Preparation for the treatment of the hair and scalp. D. Mason. 227,377; May 3; Serial No. 238,328; published Feb. 22, 1927.
Preparation for use in the treatment of venereal diseases. F. Selvidge. 227,248; May 3; Serial No. 242,397; published Feb. 22, 1927.
Prophylactic against lues and gonorrhea. Sächsisches Serumwerk A. G. 227,173; Apr. 3; Serial No. 234,488; published Feb. 15, 1927.
Root-canal treatment, Permanent. Drs. Duncan & Langdon. 227,242; May 3; Serial No. 239,701; published Feb. 15, 1927.
Salt. Barton Salt Company. 227,253; May 3; Serial No. 227,561; published Feb. 22, 1927.
Salt, Table. Leslie-California Salt Co. 227,401; May 3; Serial No. 242,014; published Feb. 22, 1927.
Salve. Keystone Catarrh Remedy Co. 63,958; renewed July 16, 1927.
Soda, Caustic. B. T. Babbitt, Inc. 227,310; May 3; Serial No. 240,164; published Feb. 22, 1927.
Solution for soldering and cleansing metals. Brumer Bros. 61,641; renewed Apr. 2, 1927.
Specific for trench mouth, pyorrhea. Drs. Duncan & Langdon. 227,243; May 3; Serial No. 239,702; published Feb. 22, 1927.
Toilet requisites. F. R. Arnold & Company. 227,212; May 3; Serial No. 240,946; published Feb. 22, 1927.
Tonic. Munyon Remedy Co. 227,296; May 3; Serial No. 242,486; published Feb. 22, 1927.
Tonic, Rejuvenator and general. F. M. E. Blass. 227,397; May 3; Serial No. 241,979; published Feb. 22, 1927.
Tooth wash. Joseph Burnett Company. 227,175; May 3; Serial No. 242,893; published Feb 22, 1927.
Toothache drops. Poloris Company. 227,207; May 3; Serial No. 242,497; published Feb. 22, 1927.

CLASS 7.

Twine, rope, and cord. A. W. Archer Co. 227,218; May 3; Serial No. 241,597; published Feb. 22, 1927.

CLASS 8.

Pipes, Tobacco. J. L. Duncan. 227,468; May 3.

CLASS 10.

Fertilizers. Virginia-Carolina Chemical Company 61,315; renewed Mar. 12, 1927.

CLASS 11.

Pigment black, white, and colored stamping leaf to be used on a hot-stamping press. R. W. Grauert. 227,469; May 3.

CLASS 12.

Brick. Diatom Insulation Co. 227,461; May 3.

CLASS 14.

Steel and iron in bars, sheets, rods, rails, plates, and wire. Cammell Laird and Company. 62,020–21; renewed Apr. 16, 1927.

CLASS 15.

Candles. Smith & Nichols, Incorporated. 227,199; May 3; Serial No. 240,740; published Feb. 15, 1927.
Candles. Smith & Nichols, Incorporated. 227,200; May 3; Serial No. 240,745; published Feb. 15, 1927.
Gasoline, lubricating oils and greases. Cities Service Oil Company. 227,262; May 3; Serial No. 231,141; published Feb. 15, 1927.
Oil, Illuminating. Tide Water Oil Co. 65,205; renewed Sept. 10, 1927.
Oil, Lubricating. Beacon Oil Company. 227,353; May 3. Serial No. 241,258; published Feb. 15, 1927.
Oils, greases, plumbago, and graphite. Pure Oil Company. 60,667; renewed Feb. 19, 1927.
Oils, Lubricating. Atlantic Refining Company. 61,283–4; renewed Mar. 12, 1927.
Oils, Lubricating. Standard Oil Company. 227,238; May 3; Serial No. 239,431; published Feb. 15, 1927.
Petroleum and burning oils, Refined. Pure Oil Company. 59,829; renewed Jan. 22, 1927.
Petroleum products. De Laittre-Dixon Company. 227,294; May 3; Serial No. 242,475; published Feb. 15, 1927.
Petroleum, Refined. Gaither Oil Company. 227,378; May 3; Serial No. 238,370; published Feb. 15, 1927.

CLASS 16.

Liquid gloss, floor oil, and floor dressing. Standard Oil Company (New Jersey). 227,458; May 3.
Paints. Robt. Shoemaker & Co. 62,272; renewed Apr. 30, 1927.
Paints, Anticorrosive. Pyro Corrosanti Co. Inc. 227,372; May 3; Serial No. 238,073; published Feb. 15, 1927.
Paints, Dry, paste, and ready-mixed. J. Saks. 227,369; May 3; Serial No. 237,516; published Feb. 15, 1927.
Paints, Paste and ready-mixed. A. Burdsal Company. 227,454; May 3.
Pigments, Lead. Picher Lead Company. 63,340; renewed June 18, 1927.
Polish, Automobile and furniture. F. P. Barthel. 227,431; May 3; Serial No. 241,767; published Feb. 15, 1924.
White lead. Robt. Shoemaker & Co. 62,271; renewed Apr. 30, 1927.

CLASS 17.

Cigars. Cifuentes, Fernandez y Ca. 60,514; renewed Feb. 12, 1927.

CLASS 19.

Automobiles and parts thereof, except rubber tires. Argus Motoren Gesellschaft Jeannin & Co. Comm.-Ges. 61,145; renewed Mar. 5, 1927.
Bicycles. John Wanamaker. 30,346; renewed July 6, 1927.

CLASS 21.

Accumulators. A. Müller. 61,650; renewed Apr. 2, 1927.
B-battery eliminator. A. J. La Pierre. 227,370; May 3; Serial No. 237,868; published Feb. 15, 1927.
Electric floor-polishing machines. S. C. Johnson & Son. 227,213; May 3; Serial No. 240,977; published Feb. 15, 1927.
Electric insulated wire, sockets, switches, etc. B. Binder. 227,450; May 3.
Electric-lighting fixtures. B. Binder. 227,451; May 3.
Electric percolators, household stoves, grills, waffle irons, etc. Hartman Furniture & Carpet Co. 227,460; May 3.
Electric storage batteries and parts thereof. Acme Battery Manufacturing Company. 227,211; May 3; Serial No. 240,898; published Feb. 15, 1927.
Electric tools, Portable. Chicago Pneumatic Tool Company. 227,389; May 3.
Electrical receptacles, cable connecters, switches, etc. Russell & Stoll Company. 227,210; May 3; Serial No. 240,880; published Feb. 15, 1927.
Electrically-illuminated panel for displaying house numbers, etc. G. Meyer, jr. 227,384; May 3; Serial No. 239,186; published Feb. 15, 1927.
Motor brushes and brushes for dynamos. Morgan Crucible Co. Limited. 62,799; renewed May 28, 1927.
Radiofrequency coils. Daven Radio Corporation. 227,354; May 3; Serial No. 241,264; published Feb. 15, 1927.
Radio receiving sets and parts thereof. Paul Goldstein & Co. Inc. 227,436; May 3; Serial No. 203,034; published Feb. 15, 1927.
Radio receiving sets, Variable resistance devices for regulating the volume output of sound of. Central Radio Laboratories. 227,327; May 3; Serial No. 236,867; published Feb. 15, 1927.

CLASS 22.

Baits, Artificial. James Heddon's Sons. 227,405; May 3; Serial No. 242,127; published Feb. 22, 1927.
Cards, Playing. Whitman Publishing Co. 227,429; May 3; Serial No. 241,758; published Feb. 22, 1927.
Coasters and sleds, Roller. F. Wissig. 227,412; May 3; Serial No. 242,328; published Feb. 22, 1927.
Fishing line. Enterprise Manufacturing Company. 227,409; May 3; Serial No. 242,286; published Feb. 22, 1927.
Games such as indoor golf. H. F. Baack. 227,379; May 3; Serial No. 238,765; published Feb. 22, 1927.
Rattles, dolls, doll toilet sets, etc., Baby. Zadek Feldstein Co. 227,192; May 3; Serial No. 241,457; published Feb. 22, 1927.

CLASS 23.

Bits and augers. Irwin Auger Bit Company. 65,244; renewed Sept. 17, 1927.
Cutlery. Brookes & Crookes. 63,404; renewed June 18, 1927.
Cutters and paper-cutting machines and parts thereof, etc., Paper. Chandler & Price Company. 227,421; May 3; Serial No. 241,695; published Feb. 22, 1927.
Grinders, Feed. Spartan Manufacturing Co. 60,987; renewed Feb. 26, 1927.
Hammers, riveters, grinders, reamers, etc., Pneumatic. Chicago Pneumatic Tool Company. 227,391; May 3.
Injectors for stationary and locomotive steam boilers. Ohio Injector Co. 61,712; renewed Apr. 2, 1927.
Knife and cork puller, Combination. Greist Manufacturing Company. 227,337; May 3; Serial No. 240,602; published Feb. 22, 1927.
Machines for manufacturing cattle cake. Richard Sizer, Limited. 227,244; May 3; Serial No. 239,724; published Feb. 22, 1927.
Motors, Fuel-mixing gas savers for internal-combustion. H. Freund. 227,423; May 3; Serial No. 241,713; published Feb. 22, 1927.
Mowers, Lawn. A. B. Case. 65,256; renewed Sept. 17, 1927.
Mowers, Lawn-mower parts, and grass catchers, Lawn. Simmons-Hardware Company. 65,365; renewed Sept. 24, 1927.
Razors. C. F. Butcher. 62,019; renewed Apr. 16, 1927.
Saws. George Worthington Company. 63,020; renewed June 4, 1927.

Separators and parts belonging thereto, Centrifugal liquid. Aktiebolaget Selenius' Werkstäder. 59,591; renewed Jan. 15, 1927.
Tools and machinery, Pneumatic. Chicago Pneumatic Tool Company. 227,390; May 3.
Tools for fitting saws. E. C. Atkins & Company. 64,334; renewed Aug. 6, 1927.
Tools, Hand and mechanics'. Winsted Edge Tool Works. 227,246; May 3; Serial No. 239,838; published Jan. 18, 1927.
Waxing, polishing, and scrubbing machines, etc., Floor. The Floorola Corporation. 227,196; May 3; Serial No. 241,477; published Feb. 22, 1927.

CLASS 25.

Padlocks, door locks, furniture locks, latches, and bolts. F. W. Lilling. 227,356; May 3; Serial No. 216,275; published June 22, 1926.

CLASS 26.

Eyeglass and spectacle frames. Shur-On Standard Optical Co. 227,219; May 3; Serial No. 242,755; published Feb. 22, 1927.
Indicating and recording the temperature and consistency of plastics, Devices for. J. H. Day Company. 227,336; May 3; Serial No. 240,597; published Feb. 22, 1927.
Lenses, blanks for lenses, projection lenses, etc., Opthalmic. American Optical Company. 227,193; May 3; Serial No. 241,461; published Feb. 22, 1927.
Measuring work pieces, screws, sheet metals, wires, etc., Instruments for. C. Zeiss. 227,288; May 3; Serial No. 194,846; published Feb. 22, 1927.
Objectives. C. Zeiss. 227,285–7; May 3; Serial Nos. 194,843–5; published Feb. 22, 1927.
Refractory materials, Articles made of. Morgan Crucible Company. 64,341; renewed Aug. 6, 1927.
Telescopes. C. Zeiss. 227,280–1; May 3; Serial Nos. 194,838–9; published Feb. 22, 1927.
Telescopes. C. Zeiss. 227,284; May 3; Serial No. 194,842; published Feb. 22, 1927.
Telescopes and field glasses. C. Zeiss. 227,275–9; May 3; Serial Nos. 194,833–7; published Feb. 22, 1927.
Telescopes, field glasses. C. Zeiss. 227,282–3; May 3; Serial Nos. 194,840–1; published Feb. 22, 1927.

CLASS 27.

Watches. Dueber-Hampden Watch Company. 227,182; May 3; Serial No. 241,330; published Feb. 15, 1927.
Watches. Franklin Simon & Co. Inc. 227,313; May 3; Serial No. 240,245; published Feb. 15, 1927.
Watches, clocks, and their movements. Charles Bernstein & Co. 227,467; May 3.

CLASS 28.

Gold and silver plated metal novelties. Weidlich Bros. Mfg. Co. 227,462; May 3.
Jewelry. Geo. O. Street & Sons. 64,447; renewed Aug. 6, 1927.
Necklaces, pendants, bracelets, etc. Franklin Simon & Co. Inc. 227,314; May 3; Serial No. 240,248; published Feb. 15, 1927.
Pins, necklaces, bracelets, bar pins, etc. Cohn & Rosenberger, Inc. 227,266; May 3; Serial No. 234,025; published Feb. 15, 1927.
Rings, Wedding. Alfred Humbert & Son. 227,181; May 3; Serial No. 241,283; published Feb. 15, 1927.

CLASS 34.

Burners, Liquid-fuel. I. M. Lyons. 227,466; May 3.
Furnaces, stoves, and ranges. Keystone Stove Foundry. 65,343; renewed Sept. 17, 1927.
Oil burners. Fluid Heat Corp. 227,374; May 3; Serial No. 238,211; published Feb. 22, 1927.

CLASS 35.

Asbestos brake linings, etc. Asbestos Manufacturing Co. 227,361; May 3; Serial No. 222,592; published Feb. 22, 1927.
Brake linings. George Angus & Co. 227,321; May 3; Serial No. 236,458; published Feb. 22, 1927.
Piston rings. Wel-Ever Piston Ring Company. 227,437; May 3; Serial No. 203,656; published Feb. 22, 1927.
Tires, Pneumatic. Fisk Rubber Company. 65,227; renewed Sept. 10, 1927.

CLASS 36.

Accordions. P. Petromilli. 227,452; May 3.
Musical instruments and supplies. Polly Portable Phonograph Co. 227,459; May 3.
Musical wind instrument. Buegeleisen & Jacobson. 227,371; May 3; Serial No. 238,009; published Feb. 15, 1927.
Piano players. Autotone Company. 57,849; renewed Nov. 13, 1927.
Violins, Adjusters or tuners for. Simson & Frey. 227,334; May 3; Serial No. 240,448; published Feb. 15, 1927.

CLASS 37.

Calendars and blotters, Advertising. Osborne Company. 65,333; renewed Sept. 17, 1927.
Forms and correspondence paper, envelopes, etc., Blank. Harlem Card & Paper Co. 227,260; May 3; Serial No. 231,037; published Feb. 22, 1927.
Paper and mailing envelopes, Writing and printing. Hampshire Paper Company. 227,444; May 3.
Paper, Writing and printing. Chapin & Gould Paper Company. 227,445; May 3.
Papers, etc., Writing and printing. New York-New England Company. 227,316; May 3; Serial No. 234,727; published Feb. 22, 1927.

CLASS 38.

Booklets and circulars. G. P. Lewis. 227,439; May 3; Serial No. 206,420; published Feb. 22, 1927.
Books, printed forms, etc. Lynn Ellis, Inc. 227,220; May 3; Serial No. 241,268; published Feb. 22, 1927.
Column title for a weekly publication. F-R Publishing Corporation. 227,344; May 3; Serial No. 241,213; published Feb. 22, 1927.
Column title in a weekly publication. F-R Publishing Corporation. 227,343; May 3; Serial No. 241,211; published Feb. 22, 1927.
Column title in a weekly publication. F-R Publishing Corporation. 227,345; May 3; Serial No. 241,214; published Feb. 22, 1927.
Column title in a weekly publication. F-R Publishing Corporation. 227,347–51; May 3; Serial Nos. 241,217–21; published Feb. 22, 1927.
Magazine. Dairy Press, Inc. 227,217; May 3; Serial No. 241,564; published Feb. 22, 1927.
Magazine. S. E. Gruenstein. 227,406; May 3; Serial No. 242,182; published Feb. 22, 1927.
Magazine. Pope Publishing Corporation. 227,428; May 3; Serial No. 241,743; published Feb. 22, 1927.
Magazines. Round-Up. 227,254; May 3; Serial No. 227,688; published Feb. 22, 1927.
Newspaper. National Tribune Company. 60,169; renewed Jan. 29, 1927.
Newspaper. National Tribune Corporation. 227,250; May 3; Serial No. 242,438; published Feb. 22, 1927.
Newspaper. Women's Wear Company. 227,298; May 3; Serial No. 242,516; published Feb. 22, 1927.
Periodical, Section of a monthly. H. P. B. Publishers, Inc. 227,226; May 3; Serial No. 241,280; published Feb. 22, 1927.
Publication. J. Henry Schroder Banking Corporation. 227,225; May 3; Serial No. 241,639; published Mar. 22, 1927.
Publication, Weekly. F-R Publishing Corporation. 227,346; May 3; Serial No. 241,216; published Feb. 22, 1927.
Texts in pamphlet form, Educational. Chicago Engineering Works Inc. 227,380; May 3; Serial No. 238,774; published Feb. 22, 1927.

CLASS 39.

Belts, suspenders, and garters. D. Fox. 227,240; May 3; Serial No. 239,513; published Feb. 15, 1927.
Boots and shoes. H. L. Purdy. 61,575; renewed Mar. 26, 1927.
Boots and shoes. Selby Shoe Co. 227,259; May 3; Serial No. 230,591; published Feb. 15, 1927.
Clothing. Eureka Woolen Mills. 227,185; May 3; Serial No. 241,403; published Feb. 15, 1927.
Clothing, A. G. Spalding & Bros. 63,797; renewed July 9, 1927.
Clothing, Men's, young men's, and boys'. S & S Goldstein, Inc. 227,204; May 3; Serial No. 240,782; published Feb. 15, 1927.
Coats, H. B. Rosenthal-Ettlinger Co. 227,188; May 3; Serial No. 241,442; published Feb. 15, 1927.
Corsets. John Wanamaker. 63,917; renewed July 16, 1927.
Corsets, girdles, brassières, etc. Strouse Corset Company. 227,307; May 3; Serial No. 240,010; published Feb. 15, 1927.
Dresses, suits, coats, and furs, Women's. Mesirow & Hernberg. 227,315; May 3; Serial No. 234,526; published Jan. 4, 1927.
Footwear. Wright & Ditson. 64,257; renewed July 30, 1927.
Gloves, Kid. John Wanamaker. 64,205; renewed July 30, 1927.
Hats, Men's. Long's Hat Stores. 227,335; May 3; Serial No. 240,499; published Feb. 15, 1927.
Headwear. F. H. Chamberlain. 64,381; renewed Aug. 6, 1927.
Headwear. Christy & Compy Limited. 63,577; renewed June 25, 1927.
Hosiery. Cadet Knitting Company. 227,215; May 3; Serial No. 241,561; published Feb. 15, 1927.
Hosiery. J. W. Landenberger & Co. 227,311; May 3; Serial No. 241,561; published Feb. 15, 1927.
Hosiery. O. Osborne. 62,359–60; renewed Apr. 30, 1927.
Hosiery and underwear. H. D. Liebschutz. 227,413; May 3; Serial No. 241,630; published Feb. 15, 1927.
Hosiery, textile underwear, etc. M. L. Henry. 227,340; May 3; Serial No. 240,655; published Feb. 15, 1927.
Overalls and jumpers. Hooker, Corser and Mitchell Company. 63,232; renewed June 11, 1927.
Pads or padding for coats or garments. Phoenix Pad Company. 64,361; renewed Aug. 27, 1927.
Rubber goods. F. W. Whitcher. 64,079; renewed July 23, 1927.

Shirts, Men's and boys'. Barnett Bros. 227,352; May 3; Serial No. 241,257; published Feb. 15, 1927.
Shoes. B. Friedman Shoe Co. Inc. 227,355; May 3; Serial No. 214,246; published Feb. 15, 1927.
Shoes. Hecht Co. 227,416; May 3; Serial No. 241,618; published Feb. 15, 1927.
Shoes. New York & Paris Peacock Shoe Stores, Inc. 227,328; May 3; Serial No. 236,949; published Feb. 15, 1927.
Shoes. C. R. Sharood. 227,312; May 3; Serial No. 240,219; published Feb. 15, 1927.
Suits for men and boys, Outer. Harry Daroff & Sons. 227,422; May 3; Serial No. 241,699; published Feb. 15, 1927.
Suits, Men's. Hickey-Freeman Co. 227,342; May 3; Serial No. 241,157; published Feb. 15, 1927.
Suits, Swimming. Niagara Knitting Co. 227,188; May 3; Serial No. 241,349; published Feb. 15, 1927.
Topcoats, overcoats, and three and four piece suits. American Retail Stores Co. 227,319; May 3; Serial No. 235,448; published Feb. 15, 1927.
Trousers, etc., Men's and boys' regular and knee length. Brody-Lewis Mfg. Company. 227,194; May 3; Serial No. 241,470; published Feb. 15, 1927.
Underwear, Knit. Brill Brothers. 64,190; renewed July 30, 1927.
Underwear, Knitted. John Wanamaker. 64,870; renewed Aug. 27, 1927.
Underwear, Ladies' cotton knit. Spring City Knitting Company. 227,368; May 3; Serial No. 237,476; published Dec. 28, 1926.

CLASS 40.

Bindings, fagoting braid, etc., Bias. Bartons Bias Narrow Fabric Co. 227,323; May 3; Serial No. 236,522; published Feb. 15, 1927.
Braids, artificial flowers, etc., Silk, linen, cotton, and worsted. M. Rich & Bros. Co. 227,357; May 3; Serial No. 216,360; published Feb. 15, 1927.
Buckles. Alma Manufacturing Company of Baltimore City. 62,276; renewed Apr. 30, 1927.
Combs, hairpins, barrettes, shoe buckles, brushes, etc., Celluloid. Newark Tortoise Shell Novelty Co. 227,433; May 3; Serial No. 241,831; published Feb. 22, 1927.
Laces and shoe strings, Moccasin. J. E. Rhoades & Sons. 227,420; May 3; Serial No. 241,676; published Feb. 22, 1927.
Laces, Corset and shoe. F. W. Whitcher. 65,133; renewed Sept. 10, 1927.
Shields, dress-shield brassières, made-up dress or waist linings, Dress. C. E. Conover Co. 227,375; May 3; Serial No. 238,249; published Feb. 1, 1927.
Snap fasteners. Alma Manufacturing Company. 61,281; renewed Mar. 12, 1927.

CLASS 41.

Umbrellas and parasols. Gans Brothers Inc. 227,221–4; May 3; Serial Nos. 241,275–8; published Feb. 15, 1927.

CLASS 42.

Blankets, comfortables, etc. Beacon Manufacturing Co. 62,895; renewed May 28, 1927.
Cotton and woolen dress goods. Marshall Field & Company. 64,143; renewed July 23, 1927.
Cotton goods. Mt. Vernon-Woodberry Mills, Incorporated. 227,393; May 3; Serial No. 211,942; published Feb. 22, 1927.
Cotton piece goods. Calico Printers' Association, Limited. 227,179; May 3; Serial No. 243,033; published Feb. 22, 1927.
Cotton piece goods, cotton duck awning stripes, and cotton duck. William L. Barrell Co. of New York, Inc. 227,308; May 3; Serial No. 240,049; published Feb. 22, 1927.
Goods and laces, Dry. James McCreery & Company. 227,395; May 3; Serial No. 241,890; published Feb. 22, 1927.
Knitted or netted textile fabrics. Griswoldville Mfg. Company. 227,410; May 3; Serial No. 242,292; published Feb. 22, 1927.
Linen, cotton, and linen and cotton piece goods. Marshall Field & Company. 64,791; renewed Aug. 20, 1927.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 227,184; May 3; Serial No. 241,387; published Feb. 22, 1927.
Ribbons. Corbett Brothers Co. 227,419; May 3; Serial No. 241,654; published Feb. 22, 1927.
Rugs. Deltox Rug Company. 227,408; May 3; Serial No. 242,282; published Feb. 22, 1927.
Sheets and pillowcases. Fort Mill Manufacturing Co. 227,180; May 3; Serial No. 243,046; published Feb. 22, 1927.
Silk goods and silk velvets in the piece. Knickerbocker Silk Co. 227,206; May 3; Serial No. 240,865; published Feb. 22, 1927.
Silk piece goods. Bleyer & Weinberg. 227,201; May 3; Serial No. 242,567; published Feb. 22, 1927.
Silk piece goods. Lyons Piece Dye Works. 227,462–4; May 3.
Silk piece goods. Louis Roessel & Co. 227,285; May 3; Serial No. 242,691; published Feb. 22, 1927.
Velvets, velours, velveteens, etc. E. Meyer et Co. 227,187; May 3; Serial No. 241,425; published Feb. 22, 1927.
Woolen blankets. Pendleton Woolen Mills. 227,302; May 3; Serial No. 242,610; published Feb. 22, 1927.
Woolen felts and woolen blankets. Shuler & Benninghofen. 227,261; May 3; Serial No. 231,126; published Feb. 22, 1927.

CLASS 43.

Yarns. J. A. Landau. 227,303; May 3; Serial No. 242,671; published Feb. 22, 1927.

CLASS 44.

Arch supports. Scholl Mfg. Co. Inc. 227,465; May 3;
Dental bridges and artificial teeth. E. E. Dalton. 227,470; May 3.
Sanitary napkins. Dorcolo Hygienic Company. 227,399; May 3; Serial No. 241,991; published Feb. 15, 1927.

CLASS 45.

Beverages. S. Sullo. 227,403; May 3; Serial No. 242,030; published Feb. 22, 1927.
Beverages, sirups, emulsions, etc. Tall-One Company. 227,191; May 3; Serial No. 241,452; published Feb. 22, 1927.
Beverages sold as soft drinks. California Bottling Works. 227,473; May 3.
Water, Carbonated. Chapin-Sacks Corp. 227,383; May 3; Serial No. 239,164; published Feb. 22, 1927.

CLASS 46.

Apples, Fresh. Snapple Service, Inc. 227,189–90; May 3; Serial Nos. 241,447–8; published Feb. 22, 1927.
Bakery products. Floyd Snyder Baking Company. 227,205; May 3; Serial No. 240,772; published Feb. 15, 1927.
Biscuit. National Biscuit Company. 64,597; renewed Aug. 13, 1927.
Bologna, salami, pastrami, corned beef, spiced beef, etc. Zion National Kosher Sausage Factory, Inc. 227,358; May 3; Serial No. 219,927; published Feb. 22, 1927.
Bread. J. B. Blood Company. 227,415; May 3; Serial No. 241,600; published Feb. 15, 1927.
Bread. Papendick & Co. 64,314; renewed July 30, 1927.
Bread. Ryola Health Bread Company. 227,197; May 3; Serial No. 241,499; published Feb. 15, 1927.
Butter. W. E. Bell. 227,331; May 3; Serial No. 240,337; published Feb. 22, 1927.
Butter. Blue Valley Creamery Co. 227,392; May 3.
Butter. Blue Valley Creamery Co. 227,456; May 3.
Buttermilk drink. T. L. Cavalli. 227,367; May 3; Serial No. 237,439; published Feb. 15, 1927.
Candies. Littlefield & Steere Co. 64,363; renewed Aug. 6, 1927.
Candy and nut candy. Hub Confectionery Co. 227,265; May 3; Serial No. 233,083; published Feb. 22, 1927.
Candy bar, Chocolate-covered. All Star Candy Co. 227,228; May 3; Serial No. 239,909; published Feb. 22, 1927.
Candy, candy-coated nuts, etc., Chocolate. Marcile Sweets Inc. 227,241; May 3; Serial No. 239,534; published Feb. 22, 1927.
Canned anchovies in salt. Cellas', Inc. 227,317; May 3; Serial No. 234,895; published Feb. 22, 1927.
Canned corn. Rossville Packing Co. 227,380; May 3; Serial No. 242,765; published Feb. 22, 1927.
Canned fish. Elmer W. Smith, Inc. 227,329; May 3; Serial No. 242,757; published Feb. 22, 1927.
Canned fruits and vegetables. Pacific Coast Canners, Inc. 227,386; May 3; Serial No. 242,743; published Feb. 22, 1927.
Canned fruits, vegetables, fish, and cocoa. Springfield Grocer Company. 227,233; May 3; Serial No. 240,752; published Feb. 22, 1927.
Canned sardines. N. Tatsukawa. 227,441–2; May 3; Serial Nos. 209,821–2; published Feb. 22, 1927.
Cheese. Ehrat Cheese Co., Inc. 227,332; May 3; Serial No. 240,348; published Feb. 15, 1927.
Chicks, Live. Spencer Chick Hatchery. 227,257; May 3; Serial No. 229,201; published Feb. 22, 1927.
Chocolate. Soc. An. des Fabriques Bernoises à Zurlcoises de Chocolat Lindt & de Chocolat Sprüngli. 57,613; renewed Nov. 13, 1927.
Chocolate. Société Générale Suisse de Chocolats. 52,937–8; renewed May 22, 1926.
Chocolates. Touraine Confectionery Co. 64,764; renewed Aug. 20, 1927.
Chocolates and candy. Wallace & Co. 65,882; renewed Sept. 24, 1927.
Chocolates, bonbons, etc. Prayson and Prayannis. 227,387; May 3; Serial No. 242,746; published Feb. 22, 1927.
Coffee. Woolson Spice Co. 227,430; May 3; Serial No. 241,762; published Feb. 22, 1927.
Coffee and tea. Oliver-Finnie Co. 65,265; renewed Sept. 17, 1927.
Corn in flake form, Product of. Decatur Milling Company. 227,267; May 3; Serial No. 234,466; published Feb. 15, 1927.
Dressing for salads, etc. W. S. Mathewson. 227,472; May 3.
Feed, Poultry and dairy. Peoples Milling Company. 227,318; May 3; Serial No. 235,418; published Feb. 15, 1927.

Feeds, Mill. H. C. Cole Milling Company. 227,196; May 3; Serial No. 241,473; published Feb. 15, 1927.
Flavoring extracts. Greever-Lotspeich Manufacturing Company. 60,478; renewed Feb. 12, 1927.
Flavoring preparation. Willson Bros. 65,134; renewed Sept. 10, 1927.
Flour, Graham and whole-wheat. Flemington Milling Co. 227,198; May 3; Serial No. 241,879; published Feb. 22, 1927.
Flour, Self-rising. Monroe Milling Company. 227,263; May 3; Serial No. 232,027; published Feb. 15, 1927.
Flour, Self-rising. Monroe Milling Company. 227,264; May 3; Serial No. 232,030; published Feb. 15, 1927.
Flour, Wheat. Bay State Milling Company. 65,135; renewed Sept. 10, 1927.
Flour, Wheat. G. H. Dulle Milling Company. 227,214; May 3; Serial No. 241,521; published Feb. 15, 1927.
Flour, Wheat. Kansas Flour Mills Corporation. 227,229; May 3; Serial No. 240,714; published Feb. 15, 1927.
Flour, Wheat. Kansas Flour Mills Corporation. 227,230; May 3; Serial No. 240,718; published Feb. 15, 1927.
Flour, Wheat. Kansas Flour Mills Corporation. 227,231; May 3; Serial No. 240,719; published Feb. 15, 1927.
Flour, Wheat. Kansas Flour Mills Corporation. 227,232; May 3; Serial No. 240,722; published Feb. 15, 1927.
Flour, Wheat. New Ulm Roller Mill Company. 227,437; May 3; Serial No. 241,741; published Feb. 15, 1927.
Flour, Wheat. Valier & Spies Milling Corporation. 227,202; May 3; Serial No. 240,754; published Feb. 22, 1927.
Flour, Wheat. Valier & Spies Milling Corporation. 227,203; May 3; Serial No. 240,755; published Feb. 15, 1927.
Flour, Wheat. Valier & Spies Milling Corporation. 227,204; May 3; Serial No. 240,758; published Feb. 15, 1927.
Flour, Wheat. Valier & Spies Milling Corporation. 227,234–5; May 3; Serial Nos. 240,756–7; published Feb. 15, 1927.
Fruits, Fresh citrous. Exeter Citrus Association. 227,227; May 3; Serial No. 228,233; published Feb. 22, 1927.
Grapes, Fresh. H. Laughlin. 227,269; May 3; Serial No. 242,838; published Feb. 22, 1927.
Gum, Chewing. Frank H. Fleer Corporation. 227,261; May 3; Serial No. 224,965; published Feb. 22, 1927.
Hominy. Decatur Milling Company. 227,172; May 3; Serial No. 234,467; published Feb. 15, 1927.
Lard, ham, and bacon. Kingan & Co. 227,255; May 3; Serial No. 227,848; published Feb. 22, 1927.
Lards, creamery butter, hams, bacon, etc. Wm. Schluderberg-T. J. Kurdle Co. 227,273; May 3; Serial No. 166,267; published Feb. 22, 1927.
Lards, creamery butter, hams, bacon, etc. Wm. Schluderberg-T. J. Kurdle Co. 227,274; May 3; Serial No. 166,268; published Feb. 15, 1927.
Lards, creamery butter, hams, bacons, shoulders, sausage, etc. Wm. Schluderberg-T. J. Kurdle Co. 227,272; May 3; Serial No. 164,086; published Feb. 15, 1927.
Lentils, peas, beans, and rice, Dried. I. Haber. 227,446; May 3.
Meats, Smoked. Fred Wolferman. 60,712; renewed Feb. 19, 1927.
Nuts in the shell. Hills Brothers Company. 227,400; May 3; Serial No. 242,005; published Feb. 22, 1927.
Peanut butter, honey, and caramel sandwich spread. Kidd and Company. 227,326; May 3; Serial No. 236,612; published Nov. 9, 1926.
Pecans. Dixie Pecan Growers Exchange, Inc. 227,455; May 3.
Pickles and condiments. L. J. Juenemann. 227,448; May 3.
Pop corn, Candied and salted. Sutherland Food Products Company. 227,252; May 3; Serial No. 226,826; published Feb. 22, 1927.
Pop corn, Shelled. American Pop Corn Company. 227,245; May 3; Serial No. 239,733; published Jan. 4, 1927.
Potato chips, nut meats. L. A. Maxwell. 227,341; May 3; Serial No. 241,108; published Feb. 22, 1927.
Potatoes. A. B. Casper. 227,366; May 3; Serial No. 237,404; published Jan. 25, 1927.
Pretzels. Bachman's, Inc. 227,207; May 3; Serial No. 240,841; published Feb. 15, 1927.
Salami. Zion National Kosher Sausage Factory, Inc. 227,359; May 3; Serial No. 219,928; published Feb. 22, 1927.
Sandwich cooky. Robert A. Johnston Co. 227,425; May 3; Serial No. 241,724; published Feb. 15, 1927.
Sugar. Henry Tate & Sons, Limited. 62,267; renewed Apr. 30, 1927.
Sugar wafers. Robert A. Johnston Co. 227,424; May 3; Serial No. 241,728; published Feb. 15, 1927.
Tea. W. T. Abbott. 227,230; May 3; Serial No. 239,452; published Feb. 22, 1927.
Vitamine compound. G. E. Conkey Company. 227,216; May 3; Serial No. 241,562; published Feb. 15, 1927.
Wheat breakfast cereals. C. Krause. 227,186; May 3; Serial No. 241,416; published Feb. 15, 1927.

CLASS 48.

Beer. Anheuser-Busch Brewing Association. 64,125; renewed July 23, 1927.
Beer. Gabriel Sedlmayr Brauerei zum Spaten. 29,755; renewed Mar. 30, 1927.
Beer. Gabriel Sadlmayr Brauerei zum Spaten. 29,758; renewed Apr. 30, 1927.
Beer. Unionsbrauerei Schiflein & Co. Actien-Gesellschaft. 64,639; renewed Aug. 13, 1927.
Malt beverage. Bruckmann Co. 227,449; May 3.
Malt extracts and sirups for beverages. Fecker Company. 227,453; May 3.

CLASS 49.

Whisky. F. C. Renziehausen. 61,688; renewed Apr. 2, 1927.
Whisky. F. C. Renziehausen. 62,733; renewed May 21, 1927.

CLASS 50.

Modeling paste. Wm. Harbutt. 60,921; renewed Feb. 26, 1927.

ALPHABETICAL LIST OF LABELS.

Breath of France. For Candy. Hollingsworth Candy Co. 32,030; May 3.
Famous Oregon Prunes and Walnuts in a Delicious Blend. For a Health-Giving Confection. B. F. West. 32,044; May 3.
Frontenac. For Malt Sirup. Jos. Schlitz Beverage Company. 32,037; May 3.
Getsum Insecticide. For Spray for Killing Bugs and Insects. L. & M. Chemical Company. 32,027; May 3.
Gorilla Rubber Patch. For Rubber Patches. F. L. McCandless. 32,033; May 3.
Hoffman's Honey. For Honey. A. H. Hoffman. 32,029; May 3.
Just Lade Eggs. For Eggs. L. Buswell. 32,026; May 3.
Kick-O. For Malt Sirup. Philadelphia Malt Warehousing Corporation. 32,034; May 3.
Kiddies Transfer Fluid. For a Transfer Fluid. F. A. Gage. 32,028; May 3.
Kleckner's High Grade Pure Coffee. For Coffee. D. Kleckner. 32,031; May 3.
Liederkranz. For Malt Sirup. Jos. Schlitz Beverage Company. 32,038; May 3.
Long Horn. For Malt Sirup. Jos. Schlitz Beverage Company. 32,039; May 3.
Lucky Dutchman. For Malt Sirup. Philadelphia Malt Warehousing Corporation. 32,036; May 3.
Odorod Clothes Closet Rod. For Clothes-Closet Fixtures. H. W. Aumack. 32,025; May 3.
Paters. For Malt Sirup. Philadelphia Malt Warehousing Corporation. 32,035; May 3.
Sour Medicine. For Remedy for Bronchitis, Sore Throat, Stomach Trouble, Quinsy, and Indigestion. E. Landis. 32,032; May 3.
Target. For Malt Sirup. Jos. Schlitz Beverage Company. 32,040; May 3.
This Car Loaded With Superior Salted Sodas. For Soda Crackers. Superior Biscuit Co. 32,041; May 3.
Todd's Auto Polish. For a Polish for Automobiles and Furniture. V. M. Todd. 32,042; May 3.
Todd's Window Cleaner. For a Preparation for Cleaning Windows. V. M. Todd. 32,043; May 3.

ALPHABETICAL LIST OF PRINTS.

Can You Afford to Neglect This Warning Given by the Dental Profession? For Dental Cream. E. R. Squibb & Sons. 9,799; May 3.
Don't Forget to Take One Home. For Souvenir Coin or Pocket Piece. T. J. Sylvester. 9,813; May 3.
Dos Obras Maestras Venus De Milo No. 515. For Lead Pencils. American Lead Pencil Company. 9,790; May 3.
50,000 Dentists End Confusion. For Dental Cream. E. R. Squibb & Sons. 9,807; May 3.

50,000 Dentists Settle the Question About the Proper Care of Teeth and Gums. For Dental Cream. E. R. Squibb & Sons. 9,810; May 3.
For You This New Knowledge May Mean The Priceless Gift of Health. For Dental Cream. E. R. Squibb & Sons. 9,803; May 3.
How to Get Children to Take Castor Oil. For Castor Oil. E. R. Squibb & Sons. 9,805; May 3.
Keep Health Playing on your Side. For Dental Cream. E. R. Squibb & Sons 9,804; May 3.
Lápices De Copiar Venus No. 525. For Lead Pencils. American Lead Pencil Company. 9,792; May 3.
Lápices De Grafito Venus No. 514. For Lead Pencils. American Lead Pencil Company. 9,791; May 3.
Mother. For Milk of Magnesia, Cod-Liver Oil, Tasteless Castor Oil, Sodium Bicarbonate, Cold Cream, Epsom Salt, Boric Acid (Powdered and Granulated), Analgesic Balm, and Nursery Powder. E. R. Squibb & Sons. 9,806; May 3.
Rice's Saxa Radish. For Radish Seeds. Jerome B. Rice Seed Co. 9,796; May 3.
'Sews' Your Old Man. For Needles. J. Meier. 9,795; May 3.
The Entire Dental Profession was Asked to Settle This Question. For Dental Cream. E. R. Squibb & Sons. 9,812; May 3.
The Evidence is Overwhelming. For Dental Cream. E. R. Squibb & Sons. 9,808; May 3.
The Only Real Authority Now Tells you the Fact About Tooth Decay and Gum Infections. For Dental Cream. E. R. Squibb & Sons. 9,801; May 3.
There's Something Wrong Across the Street. For Analgesic Balm, Rochelle Salts, Talcum Powder, Nursery Cream, Zinc Ointment, Cold Cream, Benzoinated Cream, Nursery Powder, Dental Cream, Milk of Magnesia, Tasteless Castor Oil, Cod-Liver Oil, Sodium Bicarbonate, Epsom Salts, and Boric Acid. E. R. Squibb & Sons. 9,802; May 3.
These Answers from 50,000 Dentists Point the Way to Proper Care for Your Teeth and Gums. For Dental Cream. E. R. Squibb & Sons. 9,809; May 3.
Unovesell Malt and Hops. For Malt and Hops. Unovesell Malt Co. 9,814; May 3.
Watch Him Shoot The Basket! Health Habits Build the Energy That Wins. Every School Day Eat a Hot Cereal Breakfast—Cream of Wheat. For Wheat Breakfast Food. Cream of Wheat Co. 9,793; May 3.
We Asked 50,000 Dentists the Most Frequent Cause of Tooth Decay and Gum Infection. For Dental Cream. E. R. Squibb & Sons. 9,797; May 3.
We Offer you Here the Judgement of the Dental Profession. For Dental Cream. E. R. Squibb & Sons. 9,800; May 3.
What Did the Dentists Say? For Dental Cream. E. R. Squibb & Sons. 9,798; May 3.
Will You Take the Word of 50,000 Dentists? For Dental Cream. E. R. Squibb & Sons. 9,811; May 3.
Yours—Nothing is to Hard to do for Them—Surely Not This Simple Thing! For Wheat Breakfast Food. Cream of Wheat Co. 9,794; May 3.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Animal skins. S. M. Bamdas. 241,311; May 3.
Coal. Pittsburg and Midway Coal Mining Company. 235,784; May 3.
Comber noils mixture for use for cleaning purposes. J. H. Ordway. 245,746; May 3.
Foxes and furs. Jackson Fox Farms, Incorporated. 233,776; May 3.
Leather. Barnet Leather Co. 244,599; May 3.
Leather. A. C. Lawrence Leather Company. 245,098; May 3.
Talc. Pacific Coast Talc Company. 242,247; May 3.

CLASS 2.

Boxes and cartons made from fiber paper. National Fibre Box Company. 244,623; May 3.

CLASS 4.

Abrasive papers and cloths. Herman Behr & Company. 245,983; May 3.
Cleaning preparation. W. S. Woodruff. 240,157; May 3.
Polish, Metal. Bankers' Metal Polish Co. 245,043; May 3.
Polish, Metal. S. G. Kopp. 245,013; May 3.
Polish, Stove. A. H. Paradis. 245,406; May 3.
Polishing and burnishing materials. H. L. Beaver. 242,772; May 3.
Polishing cloths and dusting cloths. Arveo Industries. 244,205; May 3.
Polishing metals, Material for. Bursum Bros. 244,849; May 3.
Shaving cream, etc. William A. Webster Company. 244,641; May 3.
Soap. J. Eavenson & Sons, Inc. 244,292; May 3.
Soap. J. Eavenson & Sons, Inc. 244,295; May 3.
Soap and sticks, Shaving. Colgate & Company. 244,000; May 3.
Soap, cleaning compounds, etc. Cenol Company. 244,982; May 3.

CLASS 6.

Beautifier, rouge, shampoo, hair tonic, etc. Colonial Dames Corporation. 244,137; May 3.
Bleach, Laundry. Purity Chemical Products Company. 244,571; May 3.
Bleaching fluid and disinfectant. San Francisco Grocery Co. 246,054; May 3.
Borax and boric acid. American Potash & Chemical Corporation. 244,203; May 3.
Chemical gasoline energizer. D. V. Cassard. 243,253; May 3.
Compound from which a treatment is made intended to darken and restore faded, streaked, and gray hair to its otherwise natural color. W. R. Darlington. 246,269; May 3.
Cough sirup. Henry S. Wampole Company. 245,602; May 3.
Dentifrice. Graves & Meade & Baker Company. 245,906; May 3.
Dentifrices. J. S. Tyree, Chemist, Inc. 233,039; May 3.
Dye, Hair. Inecto Inc. 233,316; May 3.
Glycerin, sweet oil, ammonia, etc. Hallock-Denton Co. 239,515; May 3.
Hairdressing. Joseph Burnett Company. 246,413; May 3.
Hair grower and dressing. R. C. Whitman. 245,176; May 3.
Hair washes, hair preparations, etc. G. Boudou. 235,452; May 3.
Insecticide. Killem Manufacturing Company. 243,952; May 3.
Insecticide. W. S. Michelback. 244,621; May 3.
Insecticides. M. L. Bernstein. 246,329; May 3.
Insecticides. W. R. Powell. 246,500; May 3.
Laxative drinks. Citrus Chemical Corporation. 246,267; May 3.
Laxative tablets. R. C. Wrede. 238,824; May 3.
Liniment, hairdressing and shampoo, and face creams. W. F. Wilson. 243,909; May 3.
Lotion, Hand. P. Graham. 246,344; May 3.
Medical preparation. A. Sparta. 243,241; May 3.
Medicinal agents. Menely & James, Ltd., New York. 242,957; May 3.
Medicinal preparation. S. A. Goldstein. 244,555; May 3.
Medicinal preparations. Upjohn Company. 246,451; May 3.
Medicine for use to rejuvenate glands, build health, etc. Fallxas Laboratory. 245,538; May 3.
Nail polish. Reichman & Faust. 244,629; May 3.
Oil, Antiseptic healing. Paris Medicine Co. 246,048–9; May 3.
Oil, Mineral. Crystal Chemical Company. 246,082; May 3.
Oils. A. L. Van Ameringen. 244,337; May 3.
Perfume, toilet water, face powder, and sachet. Bourjois, Inc. 246,265; May 3.
Perfume, toilet water, face powder, etc. M. Babani. 245,775; May 3.
Perfume, toilet water, rouge, etc. Societe du Louvre (Societe Anonyme). 245,811; May 3.
Perfumes and cologne. M. Guerlain. 239,884; May 3.
Perfumes, cologne, beauty creams, etc. M. Guerlain. 240,256; May 3.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 240,302; May 3.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 240,351; May 3.
Perfumes, cologne, beauty creams, etc. M. Guerlain. 240,491; May 3.
Perfumes, floral water, bath salts, face powder, etc. William Bloom & Company. 243,685; May 3.
Perfumes, toilet waters, etc. La Salle Products, Inc. 228,384; May 3.
Powder employed as a radiator cleanser. Walrod Chemical Company. 243,570; May 3.
Powders, creams, and packs, etc., Face. Heather Company. 246,279–80; May 3.
Powders, creams, packs, toilet waters, rouges, etc., Face. Lundborg, Inc. 243,718; May 3.
Powders, creams, packs, toilet waters, rouges, perfumes, etc., Face. A. P. Babcock Company. 243,681; May 3.
Powders, talcum powders, etc., Face. F. A. Schwannecke. 246,636; May 3.
Preparation for use in the treatment of pellagra and chronic indigestion. L. D. Willey. 244,588; May 3.
Preparation of alkaline salts. Fairchild Bros. & Foster. 246,154; May 3.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Preparations, Dropsy and heart. H. E. Kerley. 239,117; May 3.
Remedies and salve, Eye. Murine Company. 242,958; May 3.
Silver nitrate. A. J. Hockings. 246,284; May 3.
Tanning compound. Mathieson Alkali Works, Inc. 246,039; May 3.
Toilet waters, perfumes, tooth paste, etc. Palais Royal, Inc. 244,097; May 3.
Tonic, General. Parke, Davis & Company. 246,175; May 3.
Tooth paste, mouth wash, hand lotion etc. G. R. Love. 244,464; May 3.

CLASS 8.

Pipes. Knowles & Company. 242,787; May 3.
Pipes. L. & H. Stern, Inc. 246,236; May 3.

CLASS 10.

Phosphates and fertilizers. Phosphates de Saint-Symphorien. 244,718; May 3.

CLASS 12.

Anchors. W. O. Isaacson. 243,368; May 3.
Brick, tile, etc. Concrete Equipment Co. 244,392; May 3.
Cement. King Refractories Company. 244,232; May 3.
Cementitious and plastic building materials. Bubblestone Company. 240,166; May 3.
Cork board. Armstrong Cork & Insulation Company. 244,911; May 3.
Doors of wood construction. Compound & Pyrono Door Company. 243,591; May 3.
Fire brick, Plastic. Keystone Refractories Company. 245,097; May 3.
Ironing boards and cabinets therefor, Built-in. Farley & Loetscher Mfg. Co. 233,875; May 3.
Lime and limestone. New Jersey Lime Products Corporation. 242,490; May 3.
Plaster lime, lime, etc. Pacific Lime Company Limited. 236,174; May 3.
Tiles. Sparta Ceramic Company. 244,827; May 3.
Wood moldings, Wrapped units of interior, etc. Lumbermen's Door & Trim Company. 244,506; May 3.

CLASS 13.

Lead-coated articles. American Machine & Foundry Company. 245,527; May 3.
Spring sash balances. A. H. Kersting. 246,163; May 3.

CLASS 14.

Aluminum. Aluminum Industries, Inc. 245,685; May 3.
Castings. Gould Coupler Co. 244,690; May 3.
Sheet metal, Perforated. Wickwire Spencer Steel Company. 245,130; May 3.
Tool steel. Columbia Tool Steel Company. 243,590; May 3.

CLASS 15.

Gasoline. Armould Oil Company. 245,318; May 3.
Gasoline. White Star Refining Co. of Delaware. 245,771; May 3.
Gasoline, kerosene, and lubricating oils. Primrose Petroleum Company. 246,110; May 3.
Gasoline, oils, and greases. Universal Service Everywhere, Inc. 245,415; May 3.
Motor fuels. Independent Oil Company. 242,592; May 3.
Oils and greases, Lubricating. Jenkin-Guerin Oil Company. 245,560; May 3.
Oils, Lubricating. E. M. Page. 239,542; May 3.
Oils, Lubricating. Specialty Products Co. 245,115; May 3.

CLASS 16.

Lacquer. J. F. Kurfees Paint Company. 244,831; May 3.
Polish, Floor. Continental Chemical Corporation of Illinois. 244,669; May 3.
Varnish and automobile enamel. Standard Insulation Company. 243,894; May 3.
Varnishes, paint enamels, paints, etc. National Auto Varnispar Co. 244,363; May 3.

CLASS 21.

Electric circuits, Stabilisers for. Electrad, Inc. 242,989; May 3.
Electric motors. United States Electrical Manufacturing Company. 244,638; May 3.
Electrical resistances. Aerovox Wireless Corporation. 244,532; May 3.
Elevators and parts thereof, etc. Norton-Blair-Douglass, Inc. 234,591; May 3.
Headlights, reflectors, etc., Electric. Nite-Eye Light Corporation. 231,204; May 3.
Pictures, Apparatuses, machines, etc., for television and electrical transmimion of. Telefunken, Gesellschaft für Drahtlose Telegraphie m. b. H. 240,573; May 3.
Radio equipment. F. W. Morse. 202,184; May 3.
Radio receiving and sending sets, transformers, etc. E. Bruder. 244,600; May 3.

CLASS 22.

Baseballs, bats, masks, protectors, boxing gloves, etc. A. J. Reach Company. 245,296; May 3.
Cards, Playing. Paterson, Simons & Co. Ltd. 237,040; May 3.
Doll outfits, Crepe-paper. Dennison Manufacturing Company. 244,605; May 3.
Fishing reels. Enterprise Manufacturing Company. 246,089; May 3.
Toy animals. Dean's Rag Book Co. Ltd. 245,478; May 3.

CLASS 23.

Automobile accessories. Fisher & Rockwell. 244,859; May 3.
Automobile transmissions. Warner Gear Company. 244,805; May 3.
Automotive parts. King Quality Products Inc. 233,558; May 3.
Can openers. Columbia Metal Products Company. 246,197; May 3.
Cementitious compositions, Apparatus for spraying or forcibly ejecting. Carborundum Company. 228,846; May 3.
Derailers. H. Sabrowske. 246,230; May 3.
Drawplates, draw nozzles, etc. Gewerkschaft Wallram, Abteilung Metallwerke. 231,801; May 3.
Engines, Internal-combustion. Sterling Engine Company. 243,178; May 3.
Forks, knives, carving sets, etc. Republic Metalware Co. 239,429; May 3.
Jacks, Lifting. Watson Middlemiss Co. 238,930; May 3.
Knives, forks, and razors, Handles for. Wade & Butcher Corporation. 244,523; May 3.
Machinery, Embroidery and textile. Robert Reiner, Incorporated. 242,143; May 3.
Planes, Hand. Stanley Works. 245,868; May 3.
Pumping machinery, pumps, engines, etc. Worthington Pump and Machinery Corporation. 245,878; May 3.
Pumps and pumping apparatus. Delco-Light Company. 244,994–5; May 3.
Pumps, Vacuum. Central Scientific Company. 245,956; May 3.
Saws, knives, etc. E. C. Atkins & Company. 237,307; May 3.
Sewing machines. Priscilla Company. 246,120; May 3.
Shovels, hoes, etc. Anchor Hardware Stores Co. 232,115; May 3.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 240,943; May 3.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 241,017; May 3.
Slitting machines. Charles Koegel's Sons, Inc. 245,728; May 3.
Typewriting machines. Smith Premier Typewriter Company. 245,230; May 3.

CLASS 25.

Doors of burglarproof and fireproof structures. Mosler Safe Company. 241,783; May 3.

CLASS 26.

Field and opera glasses. E. Harwix. 245,982; May 3.
Measuring spoons. A. & J. Manufacturing Co. 246,258; May 3.
Quantity-recording and receipt-issuing machines used in the sale of gasoline. Gasoline Register Company. 234,297; May 3.
Spectacle frames. White-Haines Optical Company. 243,907; May 3.

CLASS 27.

Watches. Jentleson & Kaplan. 245,719; May 3.
Watches, clocks, watch movements, etc. M. S. Greenwald. 245,092; May 3.

CLASS 28.

Candlesticks, fruit bowls, salt and pepper shakers, etc., Gold-plated. E. & J. Bass, Inc., 242,041; May 3.
Candlesticks, fruit bowls, salt and pepper shakers, etc., Silver-plated. E. & J. Bass, Inc. 242,040; May 3.
Insignias and emblems. General Embroidery & Military Supply Co. 242,583; May 3.

CLASS 29.

Brushes and griddle greasers. A. & J. Manufacturing Co. 246,257; May 3.
Windshield cleaners of the squeegee type. Trico Products Corporation. 245,383; May 3.
Windshield wipers of the squeegee type and parts thereof. Ludden-Burton Company. 245,101; May 3.

CLASS 31.

Refrigerators and refrigerator parts. Electric Refrigeration Corporation. 244,678; May 3.

CLASS 32.

Bed springs. Roberti Bros. 244,025; May 3.
Cabinets, card tables, Windsor chairs, etc., Kitchen. Palais Royal, Inc., The. 244,099; May 3.
Davenports, chairs, footstools, etc., Upholstered. Buffalo Lounge Company. 242,472; May 3.

CLASS 33.

Glass. Williamsport Mirror and Glass Company. 231,224; May 3.

CLASS 35.

Belting and belt lacing, Leather. Browning-Roberts Belting Company. 244,816; May 3.
Tire covers. Pierce-Arrow Motor Car Company. 212,899; May 3.
Tires and inner tubes. Resilient vehicle. Mohawk Rubber Company. 245,997; May 3.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 36.

Phonograph reproducers. S. Eshborn. 241,992; May 3.
Phonographs, reproducers, etc. Conley Camera Company. 236,008; May 3.
Violins, violin outfits, etc. Carl Fischer Inc. 241,273; May 3.

CLASS 37.

Crayons, School and artists'. American Crayon Company. 244,202; May 3.
Index devices, etc. Bates Manufacturing Company. 240,397; May 3.
Paper, Writing. H. Grover. 242,533; May 3.
Pencil sharpeners. M. B. M. Products Corporation. 245,795; May 3.
Pens, Fountain. Postal Pen Company. 244,469; May 3.
Stationery. Paragraving Press, Inc. 243,826; May 3.

CLASS 38.

Calendars, Wall. Worzella Publishing Company. 243,989; May 3.
Cards, books, and booklets, Greeting. Ecker & Co. Inc. 244,065–6; May 3.
Column of news. Morning Telegraph Company. 244,622; May 3.
Magazine. Men's Wear Service Corporation. 245,740; May 3.
Magazine. United Fuel & Supply Company. 242,633; May 3.
Paper, Trade. St. Petersburg Bond & Mortgage Company. 244,111; May 3.
Picture pages, picture strips, etc., Comic. H. L. Gray. 242,122; May 3.

CLASS 39.

Boots and shoes. Firestone Footwear Company. 245,625; May 3.
Boots and shoes. W. Y. Miller. 238,214; May 3.
Boots and shoes. L. Q. White Shoe Company. 241,757; May 3.
Clothing, overcoats, etc., Rain. Excello Rubber Co. Inc. 242,054; May 3.
Coats, vests, trousers, etc. Lucky Stripe Tailoring Co. 244,562; May 3.
Collars, pyjamas, night robes, etc. H. Berger. 206,052; May 3.
Dresses. Fair Waist & Dress Co. 244,297; May 3.
Dresses, hats, caps, scarfs, etc. Belg Art, Incorporated. 244,974; May 3.
Garment, Sleeping. M. Seymour. 241,640; May 3.
Hats. Bates Thompson, Inc. 243,340; May 3.
Hats and dresses. B. Sinclair. 244,726; May 3.
Hats, Ladies'. Original Hat Works. 243,774; May 3.
Hats, Women's. Joseph H. Rubinow, Inc. 242,549; May 3.
Hosiery. H. O. Grassmuck Company. 244,152; May 3.
Hosiery. J. S. Lerner. 243,378; May 3.
Hosiery. Slipper Shop, Inc. 244,794; May 3.
Hosiery, dresses, shawls, etc. Paulo Silk Company. 244,716; May 3.
Hosiery, underwear, sweaters, etc. M. Brody. 243,342; May 3.
Neckties. E. Coplan Sons. 244,393; May 3.
Nightgowns, pyjamas, etc. Liberty Manufacturing Co. 244,407–8; May 3.
Overcoats, raincoats, smoking jackets, golf suits, etc. Heidelberg, Wolff & Co. 242,668; May 3.
Shirts, undershirts, hosiery, etc. Boyd-Richardson Company. 244,490; May 3.
Shoes. Brown Shoe Company. 242,275; May 3.
Shoes. P. Hagerty Shoe Company. 243,758; May 3.
Shoes, Leather. Stone-Tarlow Co. Inc. 245,523; May 3.
Stockings and socks. L. Colman. 244,916; May 3.
Suits. L. Kupferman & Co. 240,266; May 3.
Suits and overcoats. Meier & Frank Company. 242,016; May 3.
Suits, overcoats, and topcoats. S. Patrowich. 241,899; May 3.
Sweatbands for headgear. George Brunssen Company. 244,688; May 3.
Undershirts, union suits, bloomers, etc., Knitted and woven. Morvay and Sons Company. 243,873; May 3.
Underwear. Carson Pirie Scott & Co. 241,089; May 3.
Underwear and nightwear, Ladies'. Lingerie Co. 244,874; May 3.
Underwear, Babies' and children's silk and woven. Rosalind Underwear Co. Inc. 241,681; May 3.
Union suits, undershirts, and drawers. Varsity Underwear Company. 237,102; May 3.

CLASS 40.

Braids, shoe laces, and hatbands. Hughes Fawcett. 241,207–9; May 3.
Pins, buckles, etc. William Prym Company. 231,341; May 3.

CLASS 42.

Bedcovers, bedspreads, etc. C. H. Dunster. 244,920; May 3.
Bed sheets, pillowcases, spreads, etc., Cotton. Kaufmann Department Stores, Inc. 241,288; May 3.
Blankets, All-wool. Shuler & Benninghofen. 229,879; May 3.
Cotton piece goods. Victor Monaghan Company. 246,579; May 3.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 246,591; May 3.
Rep in the piece, 50-inch. Cohn Hall Marx Co. 241,323; May 3.
Silk piece goods. R. & H. Simon Company. 246,129; May 3.

CLASS 43.

Thread, Silk. Soieries Condurier, Fructus & Descher de New York, Inc. 188,643; May 3.
Yarns. J. C. Penny Company. 246,565; May 3.

CLASS 44.

Device adapted to be inserted in the auditory canal of the ear to occlude extraneous noises and induce sleep. C. H. Low. 246,035; May 3.
Electrically-driven small compressors and inhaling apparatus. E. Silfen. 245,663; May 3.
Instrument for diagnosis. F. C. Ellis. 237,795; May 3.

CLASS 45.

Beverages sold as soft drinks. C. E. May. 241,830; May 3.
Ginger ale and beverages sold as soft drinks. H. Woerta. 242,646; May 3.
Grape juice. Vintner Import Company. 245,038; May 3.
Grape sirup. W. H. Manchester. 245,403; May 3.

CLASS 46.

Beef, mutton, lamb, veal, etc. Federal Packing Co. 234,571; May 3.
Breads, cakes, and pastries. Cambern Brothers. 236,734; May 3.
Candies. H. J. & A. Hackenberg. 236,608; May 3.
Candy. Chandler and Rudd Company. 246,074; May 3.
Candy. Max Glick Company. 240,186; May 3.
Candy confections. Figonet Company. 233,422; May 3.
Canned crab meat, berries, wheat flour, canned vegetables, canned fruits, etc. Nicholson Thackray Company. 243,723; May 3.
Canned fish, cheese, rice, etc. Guthrie & Co. 241,279; May 3.
Canned fruits and vegetables. D. Di Fiore Canning Company. 243,255; May 3.
Canned peas. Minnesota Valley Canning Company. 245,798; May 3.
Canned vegetables. Castle Company. 243,748; May 3.
Cantaloupes, tomatoes, lettuce, etc., Fresh. K. C. Iwata. 227,650; May 3.
Cheese, French Gruyère. Fromageries Bel. 243,535–7; May 3.
Cocoa. Pennsylvania Chocolate Company. 159,528; May 3.
Cocoa, chocolate, and candy. Rowntree & Company. 240,444; May 3.
Cocoa, chocolate, candy, etc. Rowntree & Company. 242,441; May 3.
Coffee. Bulgas, Santos & Co. 245,955; May 3.
Crackers, cakes, cookies, preserves, etc. Sanitary Food Manufacturing Company. 239,771; May 3.
Dextrose. Dextrose Co. Inc. 228,808; May 3.
Doughnuts. E. S. Goldhill. 219,328; May 3.
Eggs. Brooklyn Butter & Egg Protective Association. 244,978; May 3.
Flour, Wheat. Samuel Kington & Sons, Inc. 246,292–3; May 3.
Flour, Wheat. Wichita Mill & Elevator Company. 246,061; May 3.
Foods and ingredients of foods. E. Bullard. 243,477; May 3.
Frankfurts, weiner-style sausage, link sausage, etc. C. A. Weits. 243,571; May 3.
Fruits, Fresh citrous. La Verne Orange Association. 243,376; May 3.
Ice-cream confections, etc. R. H. Seipel. 197,908; May 3.
Jell powder. Kroger Grocery and Bakery Company. 245,646; May 3.
Jelly powder. McLarens, Limited. 244,705; May 3.
Oats, cocoa, dates, mincemeat, etc., Rolled. Henry Borgsmiller & Sons. 243,192; May 3.
Peanuts, Salted. T. J. Worstell. 243,076; May 3.
Pectin and acidified sugar, etc., Mixture of powdered. Speas Manufacturing Company. 245,232; May 3.
Pepper sauce. B. F. Trappey & Sons. 245,762; May 3.
Plum pudding. Mrs. J. Eldridge, jr. 242,988; May 3.
Pork sausage and bacon. White Cash Market Company. 242,644; May 3.
Sirup, Table. J. Montgomery. 245,507; May 3.
Tomatoes, Fresh. Biederman Bros. Produce Co. 246,264; May 3.
Vegetables, Fresh. Valley Produce Company. 243,800; May 3.

CLASS 48.

Malt sirup. Consumers Brewing Company of New York Limited. 245,474; May 3.

CLASS 50.

Cellulosic material, Manufactured. E. B. Thomas. 240,630; May 3.
Chromium plate. Vacuum Can Company. 243,681; May 3.
Cork material. Armstrong Cork Company. 243,409; May 3.
Stepladders and stepladder stools. J. R. Clark Company. 241,927; May 3.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abernethy, James L., Park Ridge, and L. E. Mumbower, Chicago, Ill. Wrench. 1,627,003; May 3.
Ackeret, Herbert, assignor to The Massillon-Cleveland-Akron Sign Company, Massillon, Ohio. Display Stand. 1,626,711; May 3.
Ackerman, William, Towners, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,626,773; May 3.
Acme Can Company. (See Wright, William E., assignor.)
Adams, William H., assignor to Eastern Finishing Works, Inc., Kenyon, R. I. Printed fabric. Des. 72,539; May 3.
Agee, George S., Longview, Wash. Vine lifter. 1,626,712; May 3.
Ahlm, Charles E. F., East Cleveland, assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,627,368; May 3.
Ailes, George H., Philadelphia, Pa. Display easel. 1,627,133; May 3.
Akron Standard Mold Company. (See Galvin, Wade S., assignor.)
Aktiebolaget Vaporackumulator. (See Bäckström, Sigurd M., assignor.)
Alber, Walyer L., Chicago, Ill. Hollow tile partition tie piece. 1,626,589; May 3.
Albesaard, Joseph, Paris, France. Aeroplane. 1,627,004; May 3.
Alcorn, William B., Detroit, Mich. Packing strip for shipping materials. 1,627,223; May 3.
Alexander, Carl Z. and E. S., Newark, N. J., assignors, by mesne assignments, to E. C. Seward, Jersey City, N. J. Sectional steam boiler. 1,627,530; May 3.
Alexander, Earl S. (See Alexander, Carl and E. S.)
Alexander, Herbert, and A. Ambery, Leeds, England. Apparatus for the electric heat treatment of wire, strip, and the like. 1,626,713; May 3.
Allalouf, Vital, New York, N. Y. Ash tray or article of similar nature. Des. 72,540; May 3.
Allan, William G., Toronto, Ontario, Canada, assignor, by mesne assignments, to F. G. Clark. Welding and product thereof. 1,626,774; May 3.
Allen, Frederick C., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Milling machine. 1,626,590; May 3.
Allen, Fred W., Kingston, Tenn. Steam-pressure cooker. 1,627,005; May 3.
Allen, Groavenor N., Oneida, N. Y. Pot or similar article. Des. 72,541; May 3.
Allmanna Svenska Elektriska Aktiebolaget. (See Booth, Adolf, assignor.)
Almquist, Milton L. (See Demarest, C. S. and Almquist.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Cyanamid Company. (See Bierman, H. C., and Speirs, assignors.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Lakes Paper Company. (See Seaborne, Charles R., assignor.)
American Manganese Steel Company. (See Estes, Clarence H., assignor.)
American Meter Company. (See Kerstein, Ernest A., assignor.)
American Mills Co., The. (See Smith, Julius B., assignor.)
American Multigraph Company, The. (See Hult, John A., assignor.)
American Multigraph Company, The. (See Kline, Victor H., assignor.)
American Safety Razor Corporation. (See Kaufman, Joseph, assignor.)
American Sales Book Company. (See Pringle, William A., assignor.)
American Steel Foundries. (See Lamont, John A., assignor.)
American Telephone and Telegraph Company. (See Demarest, C. S. and Almquist, assignors.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Martin, William H., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
Ames, Adelbert, jr., Tewksbury, Mass. Photograph and making the same. 1,626,591; May 3.
Andersen, Niels C., assignor to The Goss Printing Press Company, Chicago, Ill. Cylinder for printing presses. 1,626,592; May 3.

Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,627,304; May 3.
Anderson, Charles O., Omaha, Nebr. Load-adjusted brake mechanism. 1,627,305; May 3.
Anderson, Homer G., East Orange, N. J., assignor to Westinghouse Lamp Company. Manufacture of incandescent lamps. 1,626,658; May 3.
Andrade, Cipriano, jr., New York, N. Y. Differential. 1,626,907; May 3.
Anglemyer, Carl M., Dayton, and W. P. Coffman, Dunkirk, assignors to The Edgemont Machine Company, Dayton, Ohio. Clutch. 1,627,006; May 3.
Antoncich, Frederick A., Brooklyn, N. Y. Boat-launching device. 1,626,714; May 3.
Antonelli, Orazio, Brooklyn, N. Y., assignor, by mesne assignments, to Recreator Phonograph Corporation, Boston, Mass. Projecting machine. 1,627,134; May 3.
Appelian, Henri G., and J. J. Van Horen, London, assignors of one-half to E. J. Walker, Leicester, England. Frame for bicycles. 1,626,775; May 3.
Archer, Earl W., Cambridge, Ohio. Light-control system. 1,627,474; May 3.
Archer, Robert G., jr. (See Archer, Robert G., sr., and R. G., jr.)
Archer, Robert G., sr., and R. G. Archer, jr., Fort Washington, Pa. Flag holder for automobile radiators. Des. 72,542; May 3.
Ario, Rudolf, Brooklyn, N. Y. Moving van. 1,627,135; May 3.
Armstrong, Frederick A., Sawtelle, Calif. Muffler cut-out. 1,626,908; May 3.
Arnold, Carl, Nuremberg, Germany. Motor mechanism for toy boats. 1,627,078; May 3.
Arnold, Enos F., Long Beach, Calif. Inclinometer. 1,627,136; May 3.
Artistic Brass & Bronze Works, Inc. (See Poritz, Frederick M., assignor.)
Asherman, Max, New York, N. Y. Attachment for ladies' bags. 1,627,224; May 3.
Au, Carl H., assignor of one-half to J. C. Hoyt, Washington, D. C. Current meter. 1,626,715; May 3.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electrical conductor with reenforcing core. 1,626,776; May 3.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. High-potential conductor. 1,626,777; May 3.
Austin, Bascum O., Wilkinsburg, and W. G. Horn, Bryn Mawr Farms, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,626,659; May 3.
Automatic Electric Inc. (See Gardner, John E., assignor.)
Automatic Electric Inc. (See Hudd, A. E., and Bound, assignors.)
Automotive Patent Holding Company. (See Ahlm, Charles E. F., assignor.)
Averill Mfg. Co. (See Hopf, Rudolph A., assignor.)
Ayer, Louis H., Chicago, Ill. Bonding pin. 1,626,909; May 3.
Babel, Elmer H., Oakland, and R. L. Owen, Venice, Calif.; said Babel assignor to said Owen. Four-wheel equalized traction unit. 1,627,225; May 3.
Bäckström, Sigurd M., assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Internal-combustion locomotive. 1,627,226; May 3.
Baily, Milner B., Dunlap, Ill. Scrubbing machine. 1,627,263; May 3.
Baird, Frank T., Blue Island, Ill., assignor to French Battery & Carbon Company, Madison, Wis. Electric lantern battery. 1,627,264; May 3.
Baker, Erle K., assignor to Baker Wheel & Rim Company, Chicago, Ill. Vehicle wheel. 1,627,369; May 3.
Baker, Mark, Boston, England. Apparatus for cutting lard, butter, or margarine. 1,627,007; May 3.
Baker Wheel & Rim Company. (See Baker, Erle K., assignor.)
Balke, Paul, and G. Leymieffer, Troisdorf, Germany. Phonographic record. 1,627,227; May 3.
Balmer, John H., Maplewood, N. J. Combination bathroom fixture. Des. 72,543; May 3.
Balmer, John H., Maplewood, N. J. Combination bathroom fixture. Des. 72,544; May 3.
Balph, Wilmer G., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Switchboard. 1,626,660; May 3.

Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp catch. 1,626,593; May 3.
Bancel, Paul A., Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,627,265; May 3.
Barber Asphalt Company, The. (See Browne, Frank A., assignor.)
Barbour, Garland I., Akron, Ohio. Lavatory. 1,627,475; May 3.
Barker, Leonard C., Edgewater, N. J. Mechanical toy baseball. 1,626,778; May 3.
Barnell, David O. (See Bertschy, Adolph J. P., assignor.)
Barnes, E. H. (See Effley, Michael P., assignor.)
Barr, Marshall E., Franklin Park, Ill. Variable-pressure track brake. 1,627,137; May 3.
Barrett, John H., New York, N. Y. Stationary-washtub cover-holding device. 1,627,476; May 3.
Bartenfeld, Wilford G., Lorain, Ohio. Channel and plate construction for vessels. 1,626,716; May 3.
Bartter, Stephen H., Kingston-on-Thames, England. Means or device for the retention of bedclothes. 1,627,008; May 3.
Barwood, V. H., Manufacturing Co. (See De Witt, Charles E., assignor.)
Bassett, Walter B. (See Lottman, Edward J., assignor.)
Bastien, Paul, and C. S. Crawford, assignors to F. E. Moskovics, Indianapolis, Ind. Automobile radiator. Des. 72,545; May 3.
Bauer-Stuart Company, The. (See Stuart, Harve R., assignor.)
Baumgärtner, Dr. Katz & Co., G. m. b. H. (See Lechthaler, Robert, assignor.)
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Starch-molding apparatus. 1,627,138; May 3.
Bayer, Herman K., and H. J. Epstein, St. Louis, Mo. Brake construction for sole-cutting machines. 1,627,370; May 3.
Beale, Frank A., assignor of one-half to Muhleman & Kayhoe, Incorporated, Richmond, Va. Roof tile and making the same. 1,627,266; May 3.
Beam, Aron M., Denver, Colo., deceased; L. J. Beam, administrator. Continuously-operating ore or ore-shale converting retort furnace. 1,627,538; May 3.
Beam, Leroy J., administrator. (See Beam, Aron M.)
Bearings Company of America, The. (See Chambers, David F., assignor.)
Becker, Fred, Buffalo, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,626,779; May 3.
Beckett, Ivan, New York, N. Y. Filing and indexing apparatus. 1,626,661; May 3.
Beckett, Laycock & Watkinson Limited. (See Hirst, Charles E., assignor.)
Beesch, Hazel O., et al., administrators. (See Owens, Michael J.)
Belding, George A. (See Bickell William G., assignor.)
Bell, John E. (See Isom, E. W., and Bell.)
Bellinger, Earl W., et al. (See Rouse, George M., assignors.)
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connecter. 1,627,306; May 3.
Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. 1,627,307; May 3.
Bernier, Anselme, Biddeford, Me. Threading device for shuttles. 1,627,308; May 3.
Bernitz Furnace Appliance Company. (See Snow, Benjamin H., assignor.)
Berry, Leslie G., Charlotte, N. C. Constructing fireproofing buildings. 1,627,009; May 3.
Bertschy, Adolph J. P., Plattsmouth, assignor to D. O. Barnell, Omaha, Nebr. Auxiliary charge-forming means for internal-combustion engines. 1,627,139; May 3.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Truck-motor-frame suspension. 1,626,662; May 3.
Bickell, William G., assignor of one-half to G. A. Belding, Pittsburgh, Pa. Roofing clip. 1,626,780; May 3.
Bierce, Fred N., Cincinnati, Ohio. Guard for guys and the like. 1,627,423; May 3.
Bierman, Harry C., New Rochelle, and G. W. Speirs, Glendale, N. Y., assignors to American Cyanamid Company, New York, N. Y. Ammonia cylinder cap. 1,627,371; May 3.
Bindemann, George H., Wauseon, Ohio. Poultry fountain. 1,627,140; May 3.
Binder, Christian, Pittsburgh, Pa. Brick-ice-cream container. 1,627,424; May 3.
Birnie Paper Company. (See Collins, George E. P., assignor.)
Black, Edward F., Tulsa, Okla., assignor to Black, Sivalls & Bryson Mfg. Co., Kansas City, Mo. Leak-tight sectional tank. 1,627,309; May 3.
Black, Sivalls & Bryson Mfg. Co. (See Black, Edward F., assignor.)
Blackston, Edward A., assignor to Lovic R. Gilbert, Raleigh, N. C. Weft-replenishing mechanism for looms of more than one shuttle. 1,627,310; May 3.
Blackwell, William T. (See Robinson, G. P., and Blackwell.)
Blair, James C., et al., administrators. (See Owens, Michael J.)
Blair, Robert S., Sound Beach, and B. D. Wells, Danbury, Conn.; said Wells assignor to said Blair. Apparatus for truing car wheels. 1,627,074; May 3.
Bliss Containers, Inc. (See Bliss, Herbert R., assignor.)
Bliss, Herbert R., assignor to Bliss Containers, Inc., Niagara Falls, N. Y. Assembling fiber shipping cases. 1,627,311; May 3.
Block, David J., assignor to W. Stein, Chicago, Ill. Flour improver and process of manufacture. 1,626,910; May 3.
Blume, Henry, and G. B. Streitz, Jordan, Minn. Valve and cage puller. 1,627,477; May 3.
Blust, Christian, St. Albans, W. Va. Automatic safety cut-off for gas valves. 1,627,312; May 3.
Boddeker, Albert, Chicago, Ill. Oil burner. 1,627,267; May 3.
Boehringer, C. H., Sohn Chemische Fabrik. (See Häussler, Alfred, assignor.)
Boelter, Hugo. (See Koegle, John G., assignor.)
Bogan, Hans, Springfield, Ill. Egg preserver. 1,627,141; May 3.
Bogart, Frank S. V. (See Spengler, George H., assignor.)
Bohn Aluminum and Brass Corporation. (See Eggenweiler, C. W., and Fiegel, assignors.)
Bolton, Earl, and F. D. Bolton, Tulsa, Okla. Stone-cutting machine. 1,627,142; May 3.
Bolton, Floyd D. (See Bolton, Earl and F. D.)
Bonchina, Frank, Cairnbrook, Pa. Planting machine. 1,627,143; May 3.
Bonsall, Charles D., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,627,372; May 3.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,627,373; May 3.
Boone, Edgar H., and J. W. Cook, Santa Rita, N. Mex. Sash latch. 1,627,478; May 3.
Booraem, John F. (See Sutphen, Robert M., assignor.)
Bosserdet, Alfred E., assignor of one-half to E. Hunter, Detroit, Mich. Plumb bob. 1,626,717; May 3.
Bosshardt, Edwin, Berlin-Tempelhof, Germany. Open-hearth furnace. 1,627,425; May 3.
Bosworth, George P., assignor to Hemphill Company, Central Falls, R. I. Yarn or thread feeding mechanism for spring-needle machines. 1,626,781; May 3.
Boulton, George, Rochester, N. Y. Attachment for sewing machines. 1,627,228; May 3.
Bouma, Benjamin T., Lynnville, Iowa. Poultry roost. 1,627,268; May 3.
Bound, Arthur F. (See Hudd, A. E., and Bound.)
Bowe, Thomas A., Milwaukee, Wis. Safety clutch-releasing device. 1,627,313; May 3.
Boynton, Oliver R., Kansas City, Mo. Egg beater. 1,627,314; May 3.
Boynton Oliver R., Kansas City, Mo. Beater or mixer. 1,627,315; May 3.
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Temperature-controlling system. 1,626,663; May 3.
Brach, Frances, administratrix. (See Brach, Henry E., assignor.)
Brach, Henry E., deceased, Valparaiso, Ind.; F. Brach, administratrix. Soldering iron. 1,626,911; May 3.
Brady, Edward J., assignor to The W. G. I. Contracting Company, Philadelphia, Pa. Purifying illuminating gas. 1,626,664; May 3.
Brand, Albert, Munich, Germany. Machine for printing ampulle. 1,626,912; May 3.
Bredig, Georg, and E. Elöd, Karlsruhe, assignors to the Firm of Rudolph Koepp & Co., Oestrich-on-the-Rhine, Germany. Production of hydrocyanic acid. 1,627,144; May 3.
Breed, Ralph S., Lynn, Mass. Golf-tee holder. 1,627,145; May 3.
Briggs, Arthur M., Andrade, Calif. Toy horse or novelty. 1,627,426; May 3.
Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Dust-cap construction. 1,627,374; May 3.
Brookes, Arthur J. C., Bridgnorth, England. Adjustable limit gauge. 1,627,146; May 3.
Brooks, Robert, Ashton-on-Mersey, England, assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,626,665; May 3.
Brooks, Stephen H., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Swing-pipe mechanism. 1,626,782; May 3.
Brown, Colin, assignor to The E. C. Brown Company, Rochester, N. Y. Pump handle for fire extinguishers or similar articles. Des. 72,546; May 3.
Brown, E. C., Company, The. (See Brown, Colin, assignor.)
Brown, Fred A., Los Angeles, Calif. Signal. 1,626,913; May 3.
Brown, William A., Philadelphia, Pa. Combination blower and heater 1,627,229; May 3.
Brown, William H., Cleveland, Ohio, assignor to Dryden Rubber Company. Machine for placing washers on upstanding pins. 1,626,914; May 3.
Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Building construction and the like. 1,627,581; May 3.
Browne, Vere B., Brackenridge, Pa. Making magnetic alloys. 1,627,269; May 3.

Bros, Jake M., New Effington, S. Dak. Corn planter with one wheel support. 1,626,594; May 3.
Bruninga, John H., trustee. (See Deemar, Henry V., assignor.)
Bryan Screw Machine Products Company, The. (See Fisher, Frank C., assignor.)
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Bucknam, Frank C., New Orleans, La. Shrimp-shelling machine. 1,627,479; May 3.
Budd Wheel Company. (See Nelson, Emil A., assignor.)
Budd Wheel Company. (See Ragsdale, Earl J. W., assignor.)
Buettner, T., & Co. (See Drummond, Katherine L., assignor.)
Bumington, Edwin C., assignor to U. S. Bobbin & Shuttle Company, Manchester, N. H. Apparatus for making rings. 1,626,915; May 3.
Burke, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of plastics. 1,626,916; May 3.
Burnham, John A., Marblehead, Mass. Representing cascades in landscapes. 1,627,270; May 3.
Burns, George J., Youngstown, Ohio. Thermal gasifying motor construction. 1,626,783; May 3.
Burrows, Fred A., York, Pa. Steam trap. 1,627,271; May 3.
Busch-Sulzer Bros.-Diesel Engine Co. (See Schneider, Rudolph, assignor.)
Butler, Jay H., Newark, Ohio. Transmission control. 1,626,718; May 3.
Cable Company, The. (See Collignon, William C., assignor.)
Cable, Frank T., New London, assignor to Electric Boat Company, Groton, Conn. Reversible internal-combustion engine. 1,627,816; May 3.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Rubber deterioration retarder and process of making. 1,626,784; May 3.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preparing a reaction product of acetaldehyde and aniline. 1,627,230; May 3.
Caffray, William E., assignor to Nashua Manufacturing Company, Nashua, N. H. Blanket printing process and machine. 1,626,595; May 3.
Callison, Claud, Loyal, Okla. Speed wrench. 1,626,719; May 3.
Camel Company. (See Wasberg, A., and Darrow, assignors.)
Campbell, Sterling H., assignor to Railway Devices Company, St. Louis, Mo. Nut lock. 1,626,596; May 3.
Campbell, William B., Montreal, Quebec, Canada. Freeness tester for pulp. 1,627,010; May 3.
Cantor, Ruban, assignor to Royal Glass Works, Brooklyn, N. Y. Unloading device. 1,626,597; May 3.
Caracristi, Virginius E., Bronxville, N. Y. Steam-engine operation. 1,627,075; May 3.
Caracristi, Virginius E., Bronxville, N. Y. Valve cut-off and speed indicator. 1,627,076; May 3.
Carlson, Eric V. (See Pecina, R. F., and Carlson.)
Carlson, Frederick O., Hopewell, Va., assignor to Mayhew Steel Products Company, Incorporated, Shelburne Falls, Mass. Cutter, mill, or the like. 1,626,598; May 3.
Carolin, Samuel. (See Quigan, F. J., and Carolin.)
Carrier Engineering Corporation. (See Lewis, Lee L., assignor.)
Carter, Mitchell, Salt Lake City, Utah, assignor to Thermic Generating Company. Oil burner. 1,626,785; May 3.
Carthew, John W., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Test gauge. 1,626,599; May 3.
Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Receptacle closure. 1,626,917; May 3.
Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Receptacle closure. 1,626,918; May 3.
Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Car dumper. 1,627,375; May 3.
Case, J. I., Threshing Machine Company. (See MacGregor, Wallace F., assignor.)
Casparis, William A., et al. (See Harding, Joseph G., assignor.)
Chaffee, Emory L., Belmont, assignor to J. H. Hammond, jr., Gloucester, Mass. Detector and controlling the same. 1,627,231; May 3.
Chandler & Price Company, The. (See Root, Charles F., assignor.)
Chambers, David F., assignor to The Bearings Company of America, Lancaster, Pa. Ball retainer for ball bearings. 1,627,232; May 3.
Chambers, Ralph W. (See Greenway, M. E., and Chambers.)
Chayes Dental Instrument Corporation. (See Chayes, Herman E. S., assignor.)
Chayes, Herman E. S., assignor to Chayes Dental Instrument Corporation, New York, N. Y. Making dental attachments. 1,626,720; May 3.
Christian, Arthur T., Glenview, Ill. Combination dust cap and lock nut. 1,627,480; May 3.
Citron, William J., assignor to The Trailograf Company, Inc., San Francisco, Calif. Film attachment for motion-picture projectors. 1,626,786; May 3.
Clancy, John F. (See Dunlop, J., and Clancy.)
Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Lifting mechanism for railway cars. 1,627,481; May 3.
Clark, Dolph M., Portland, Oreg. Coffee-urn attachment to automatically measure more than one substance simultaneously to deliver a combined uniform volume. 1,627,147; May 3.
Clark, Farley G. (See Allen, William G., assignor.)
Clark, James L., Corn Creek, Ky. Button. Des. 72,547; May 3.
Clark, Le Roy B., Waterbury, Conn. Smoke shield. 1,627,482; May 3.
Clarke-Moore Corporation. (See Moore, Arlington, assignor.)
Clauberg, Herman P., Hasbrouck Heights, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Folding delivery. 1,626,600; May 3.
Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,627,272; May 3.
Clay Equipment Corporation. (See Obele, George, assignor.)
Claybourn, Leslie W., Milwaukee, Wis. Inking mechanism for printing machinery. 1,627,483; May 3.
Clement, Edward E. (See Hoge, J. B., and Clement.)
Clement, George A., mount Vernon, N. Y. Marking fused bifocal lenses for identification. 1,627,148; May 3.
Clement, Hans, New York, N. Y., assignor to General Optical Co., Inc. Optical diagnostic instrument. 1,626,601; May 3.
Clermont Machine Co. (See Surico, Carmine, assignor.)
Cline, Delbert E. (See Coffin, C. G., and Wolf, assignors.)
Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
Coffin, Charlie G., and J. A. Wolf, assignors of one-third to D. E. Cline, Elgin, Okla. Plug for lubricant inlets. 1,627,378; May 3.
Coffman, William P. (See Anglemyer, C. M., and Coffman.)
Cohn, Jacob, New York, N. Y., assignor, by mesne assignments, to Nonexplosive Corporation of America (New Corporation). Safety attachment for tanks. 1,626,721; May 3.
Colader Company, The. (See Newdick, Norton A., assignor.)
Cole, Leon J., Greenville, Pa. Accelerator pedal. 1,626,722; May 3.
Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-braking apparatus. 1,626,918; May 3.
Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-car retarder. 1,626,920; May 3.
Colladay, Edward F. (See Hoge, J. B., and Clement, assignors.)
Collignon, William C., assignor to The Cable Company, Chicago, Ill. Pneumatically-operated musical instrument. 1,627,011; May 3.
Collins, George E. P., assignor to Birnie Paper Company, Springfield, Mass. Apparatus for lining envelopes. 1,627,149; May 3.
Comay, Salmen. (See Morrell, J. C. and Comay.)
Conley, John E. (See Marden, J. W., Thomas, and Conley.)
Conner, Frank S., et al. (See Frengle, F., and Roban, assignors.)
Conrader, Rudolph, Erie, Pa. Pump-control mechanism. 1,627,376; May 3.
Consolidated Car Heating Company. (See Hynes, Lee P., assignor.)
Constant, C. L., Company. (See Stewart, Alexander, assignor.)
Cook, Charles L., Louisville, Ky. Gas or vapor engine, particularly steam engine. 1,627,427; May 3.
Cook, John W. (See Boone, E. H., and Cook.)
Cook, Thomas R., Scranton, Pa. Car underframe. 1,627,484; May 3.
Cooper, William D., Palmyra, Mo. Loading machine. 1,627,485; May 3.
Copeland, Robert J., Toronto, Ontario, Canada. Golf tee. 1,627,012; May 3.
Corey, Arthur R. (See Mentzer, Claude E., assignor.)
Corlett, Edwin H., East Cleveland, Ohio. Method and apparatus for effecting opitcal projections. 1,626,787; May 3.
Costello, Rose M., et al., executors. (See Costello, Thomas H.)
Costello, Rose M., trustee. (See Costello, Thomas H., assignor.)
Costello, Thomas H., deceased, Chicago, Ill.; R. M. Costello and W. E. Costello, executors, assignors to R. M. Costello, trustee. Hinge. 1,627,274; May 3.
Costello, Thomas H., deceased, Chicago, Ill.; R. M. Costello and W. E. Costello, executors, assignors to R. M. Costello, trustee. Friction hinge. 1,627,275; May 3.
Costello, Thomas H., deceased, Chicago, Ill.; R. M. Costello and W. E. Costello, executors, assignors to R. M. Costello, trustee. Map rack. 1,627,276; May 3.
Costello, William E., et al., executors. (See Costello, Thomas H.)

Cowie, John, Sutherland, Saskatchewan, Canada. Stovepipe damper. 1,627,013; May 3.
Cox, Burton K., Jacksonville, Fla. Combined bumper and jack. 1,627,317; May 3.
Cox, Robert N. (See Griffey, Dinney F., assignor.)
Craig, Andrew, Motutapu Island, New Zealand. Plow colter. 1,627,277; May 3.
Craig, Robert F. (See Hornbuckle, W. P., and Craig.)
Cramer, Stuart W., Cramerton, and W. B. Hodge, assignors to Wm. B. Hodge Company, Charlotte, N. C. Humidifier. 1,626,666; May 3.
Cramer, Stuart W., Cramerton, and W. B. Hodge, assignors to Wm. B. Hodge Company, Charlotte, N. C. Humidifier. 1,626,667; May 3.
Cramer, Stuart W., Cramerton, and W. B. Hodge, assignors to Wm. B. Hodge Company, Charlotte, N. C. Humidifier. 1,626,668; May 3.
Crampton, George S., Philadelphia, Pa. Trial lens mounting for oculists and opticians. 1,626,669; May 3.
Cravens, Frank S., Olive Hill, Ky. Valve. 1,627,486; May 3.
Crawford, Charles S. (See Bastien, P. and Crawford.)
Crawford, Gus J., Baker, Mont. Tractor device. 1,626,788; May 3.
Creed, Oliver, Cincinnati, Ohio. Filling attachment for gasoline tanks of automobiles. 1,626,789; May 3.
Crompton & Knowles Loom Works. (See Crutchlow, William, assignor.)
Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
Crosley, Powel, jr., Cincinnati, Ohio. Adapter. 1,627,077; May 3.
Cross Bros. Company. (See Philip, George R., assignor.)
Crowe, Paul L., Baltimore, Md. Ball mill. 1,627,487; May 3.
Crowe, Paul L., Baltimore, Md. Ball mill. 1,627,488; May 3.
Crowell, Erd V., Los Angeles, Calif., assignor of one-half to The Guiberson Corporation, Dallas, Tex. Oil or gas well. Re16,607; May 3.
Crutchlow, William, Paterson, N. J., assignor, by mesne assignments, to Crompton & Knowles Loom Works, Worcester, Mass. Box-operating mechanism for looms. 1,626,723; May 3.
Curran, Edward T., Detroit, Mich. Automobile radiator therometer. 1,626,790; May 3.
Cutler-Hammer Mfg. Co., The. (See Lightfood, Edwin N., assignor.)
Cutler-Hammer Mfg. Co., The. (See Stone, David, assignor.)
Cyclo Corporation. (See Honig, Frank, assignor.)
Dale, Christopher C., et al. (See Smith, Lawrence F., assignor.)
Daman, Arthur C., Denver, Colo. Oil feeder for flotation machines. 1,627,014; May 3.
Danna, Charles, New Orleans, La. Breather pump. 1,627,377; May 3.
Danner, Edward, Toledo, Ohio. Method and apparatus for forming glassware. 1,627,428; May 3.
D'Arleux, Roger M. G. M., Paris, France. Receptacle. 1,627,233; May 3.
Darrow, William W. (See Wasberg, A., and Darrow.)
Davenport Machine & Foundry Company. (See Seeman, Frederick A., assignor.)
Davidson, Charles L., New York, N. Y. Stoker. 1,626,791; May 3.
Davidson Manufacturing Company. (See Davidson, William W., assignor.)
Davidson, William D. (See Goeser, E. W., and Davidson.)
Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Company, Madison, Wis. Machine for separating and feeding blanks. 1,627,015; May 3.
Davis, Hanley M., Cambridge, Mass. Window-cleaning device. 1,627,318; May 3.
Davis, Isadore, Des Moines, Iowa, assignor to Interlocking Shingle Co., Des Moines, Iowa. Interlocking multiple shingle. 1,627,429; May 3.
Day, Harry I. (See Kirby, G. T., and Day.)
Dayton, James M., assignor to The Dayton Manufacturing Company, Torrington, Conn. Flow meter. 1,627,234; May 3.
Dayton Manufacturing Company, The. (See Dayton, James M., assignor.)
Dayton Scale Company. (See Hopkinson, Joseph, assignor.)
Dayton Scale Company. (See Wood, George R., assignor.)
Dean Card Typewriter Company. (See Dean, Seward A., assignor.)
Dean, Seward A., Hastings, assignor to Dean Card Typewriter Company, Hennepin County, Minn. Typewriter. 1,627,016; May 3.
De Boer, Rudolph, Grand Rapids, Mich. Wall pocket or similar article. Des. 72,548; May 3.
Decatur Brick Mfg. Co. (See McCune, Herbert R., assignor.)
Deemar, Henry V., assignor to J. H. Bruninga, trustee, St. Louis, Mo. Heater. 1,627,235; May 3.
De Filippis, Raymond, Brooklyn, N. Y. Toy vehicle. 1,627,150; May 3.
Delany, Edward L., assignor to Delany Realty Corporation, Brooklyn, N. Y. Float valve for flush tanks. 1,627,489; May 3.
Delany Realty Corporation. (See Delany, Edward L., assignor.)
Dellinger, John, Buffalo, N. Y. Toy. 1,627,319; May 3.
Demarest, Charles S., Ridgewood, N. J., and M. L. Almquist, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Frequency-controlling system. 1,626,724; May 3.
Dempewolf, Carl A., Henderson, Ky. Planter. 1,627,017; May 3.
Denemark, Jacob, Trenton, N. J. Pressing machine. 1,626,792; May 3.
Derk, Joseph, assignor to The Derk Manufacturing Company, Philadelphia, Pa. Table scarf. Des. 72,549; May 3.
Derk Manufacturing Company, The. (See Derk, Joseph, assignor.)
De Rosa, Ronald M., San Francisco, Calif. Hand lift for harrows. 1,626,793; May 3.
De Wald, Daniel, Rawlins, Wyo. Retractable vehicle runner. 1,627,151; May 3.
Dewey and Almy Chemical Company. (See Dewey, Bradley, assignor.)
Dewey, Bradley, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Colloidal adhesive composition. 1,627,278; May 3.
De Witt, Charles E., Dallas, Tex., assignor to V. H. Barwood Manufacturing Co., Lynn, Mass. Burnishing and refitting tool for bearings. 1,627,152; May 3.
Deye, Erwin G., Newport, Ky., and H. F. Haverbusch, Cincinnati, Ohio. Device for use with routing mills. 1,627,153; May 3.
D'Humy, Fernand E., Englewood, N. J., assignor to Ramp Buildings Corporation, New York, N. Y. Storage building. 1,626,602; May 3.
Dieaner, John A., Chicago, and A. C. Mabee, Villa Park, Ill. Controller for fish lures. 1,627,078; May 3.
Dieter, William, Newark, N. J. Automobile torpedo and contact mine. 1,626,794; May 3.
Dieter, William, Newark, N. J. Automobile torpedo. 1,627,154 May 3.
Dieter, William, Newark, N. J. Automobile torpedo. 1,627,155; May 3.
Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)
Di-Noc Manufacturing Company, The. (See Reese, Thomas S., assignor.)
Dippel, William T., New York, assignor to H. S. Martin, Brooklyn, N. Y. Visual annunciator. 1,626,795; May 3.
Disbrow, Clarkson A., New Rochelle, N. Y., and W. E. Gadd, Philadelphia, Pa., assignors to The Rail Joint Company, New York, N. Y. Track-lining device. 1,627,156; May 3.
Disibio, Joseph, Detroit, Mich. Tilting stand for crocks. 1,627,490; May 3.
Dixie Dental Manufacturing Co. (See Pecker, Joseph S., assignor.)
Dod, Gerald, Southport, England. Rope or belt drive for drying cylinders and the like. 1,627,018; May 3.
Dodds, James B., Denver, Colo. Concentrator. 1,627,157; May 3.
Doeliner, William, Jersey City, N. J. Safety feed means. 1,627,491; May 3.
Doherty Research Company. (See Truesdell, Arthur E., assignor.)
Dominiczak, John, Braddock, Pa. Electrical switch. 1,627,158; May 3.
Dornier, Claudius, assignor of one-half to the Firm Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Flying machine. 1,627,019; May 3.
Dornier Metallbauten Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
Dosch, Henry C. (See Magnus, E. G., and Dosch.)
Dougherty, Glenn O., Los Angeles, Calif. Pedal-actuated faucet. 1,627,020; May 3.
Douglas, Theodore, Scarboro, assignor to Duplex Engine Governor Company, Inc., Brooklyn, N. Y. Safety attachment for aircraft. 1,626,921; May 3.
Dow Chemical Company, The. (See Smith, A. K., and Prutton, assignors.)
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle brake device. 1,626,670; May 3.
Downs, Charles F., Cleveland, Ohio. Culinary apparatus. 1,626,922; May 3.
Drabenstott, Glenn H., Wooster, Ohio. Parachute escape for airships. 1,626,796; May 3.
Drennon, William M., Anaheim, Calif. Universal bench motorstand. 1,626,923; May 3.
Droge, William H., Detroit, Mich. Dice shaking or throwing device. 1,627,492; May 3.
Drummond, Katherine L., assignor to T. Buettner & Co., Inc., Chicago, Ill. Footwear case. Des. 72,550; May 3.
Drummond, Katherine L., assignor to T. Buettner & Co., Inc., Chicago, Ill. Utensil mitt. Des. 72,551; May 3.
Dryden Rubber Company. (See Brown, William H., assignor.)
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum and other hydrocarbons. 1,627,159; May 3.
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)

Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,627,493; May 3.
Du Bois, Virgil L. (See Moody, J. F., and Du Bois.)
Dueker, Charles, Fort Dodge, Iowa. Clearing device for corn-snapping mechanisms. 1,627,021; May 3.
Dufield, William S., Hamilton, Ontario, Canada. Instep-arch supporter. 1,626,725; May 3.
Duffy, William J. (See Gilday, F., and Duffy.)
Dunlop, James, Chicago, Ill., and J. F. Clancy, East Troy, Wis., assignors to Kaestner & Hecht Company, Chicago, Ill. Floor selector for elevators. 1,627,320; May 3.
Duplex Engine Governor Company. (See Douglas, Theodore, assignor.)
Du Pont, E. I., de Nemours & Company. (See Burke, Charles E., assignor.)
Du Pont, E. I., de Nemours & Co. (See Lawrie, James W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Varnes, Samuel K., assignor.)
Dupuy, Arthur O., Cleveland, Ohio, assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Brickmaking machinery. 1,627,079; May 3.
Dvorkovitz, Paul, London, England. Destructive distillation of solid carbonaceous materials. 1,627,321; May 3.
Dwyer, Willard B., Bennington, Vt. Bracket hanger. 1,627,494; May 3.
Dyck, Lionel, Chicago, Ill. Internal-combustion engine. 1,627,160; May 3.
E. and T. Fairbanks and Company. (See Starr, Morton H., assignor.)
Eastern Finishing Works, Inc. (See Adams, William H., assignor.)
Edgemont Machine Company, The. (See Anglemyer, C. M., and Coffman, assignors.)
Edison, Thomas A., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Storage battery. Re16,614; May 3.
Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
Edson, William W., Newtonville, Mass., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,626,608; May 3.
Edwards, William A., Chicago, Ill. Homogenizing Fluid-Fuel Mixtures. 1,627,161; May 3.
Effey, Michael P., assignor of one-half to E. H. Barnes, Lowville, N. Y. Bush or plant support. 1,627,495; May 3.
Egloff, Gustav. (See Morrell, J. C., and Egloff.)
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating oil shale. 1,627,162; May 3.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating oil shale. 1,627,163; May 3.
Egloff Gustav, Chicago, Ill., and W. R. Howard, Washington, D. C., assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oils. 1,627,164; May 3.
Eggenweiler, Charles W., and W. J. Fiegel, Detroit, Mich., assignors, by mesne assignments to Bohn Aluminum and Brass Corporation. Machine for trimming the edges of bearing or like sections. 1,626,924; May 3.
Electric Boat Company. (See Cable, Frank T., assignor.)
Elias, Edward, Brooklyn, N. Y. Hand bag. 1,627,496; May 3.
Elias, Justin A., Philadelphia, Pa., assignor to F. J. Kline, Long Island City, N. Y. Paper fastener. Re16,610; May 3.
Elöd, Egon. (See Bredig, G., and Elöd.)
Emsco Derrick & Equipment Company. (See Goeser, E. W., and Davidson, assignor.)
Enberg, Stone R., assignor to Walden-Worcester, Incorporated, Worcester, Mass. Tool handle. 1,626,671; May 3.
Endsley, Louis E., Pittsburg, Pa., assignor to Waugh Equipment Company, Chicago, Ill. Draft gear. 1,627,378; May 3.
Enns, Peter C., Herbert, Saskatchewan, Canada. Automatic signals. 1,626,797; May 3.
Eppstein, Lewis B., et al. (See Stewart, Frank H., assignor.)
Epstein, Henry J. (See Bayer, H. K., and Epstein.)
Equipment Specialties Co. (See Hull, George A., assignor.)
Erni, Walter. Milwaukee, Wis. Steering mechanism for coaster wagons. 1,627,022; May 3.
Estes, Clarence H., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Bar for foundry flasks. 1,627,165; May 3.
"Eternit," Pietra Artificiale, Societa Anonima. (See Mattei, D., and Massa, assignors.)
Evans, George S. (See Vial, F. K., and Evans.)
Everlast Sporting Goods Mfg. Co. (See Golomb, Morris, assignor.)
Fairchild Aerial Camera Corporation. (See Henry, Ferdinand G., assignor.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir device. 1,626,604; May 3.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. 1,626,605; May 3.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car-door-controlling device. 1,626,672; May 3.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Flexible diaphragm device. 1,626,673; May 3.
Farrar, Roy B., Spokane, Wash. Ash pan. 1,627,023; May 3.
Faulkner, Austen, et al. (See Smith, Lawrence F., assignor.)
Fay, John L., St. Louis, Mo. Fuel-mixing device for internal-combustion engines. 1,626,798; May 3.
Federal Cement Tile Company. (See Freund, Cheri S., assignor.)
Feiss, Richard A., assignor to The Joseph & Feiss Co., Cleveland, Ohio. Vent for full-lined garments and method of making it. 1,626,799; May 3.
Feldstein, Ben J., New York, N. Y. Baby rattle. 1,627,166; May 3.
Fellenbaum, Daniel T., Coatesville, Pa. Milk-can rack. 1,627,080; May 3.
Fener, Vahan, Chicago, Ill. Alloy. 1,626,925; May 3.
Ferguson, John E. (See Whitmore, J. B., and Ferguson.)
Fessler, Marcus J., Syracuse, N. Y. Reclaiming rubber. 1,626,800; May 3.
Fichtenbaum, Oscar, Brooklyn, N. Y. Folding bed or couch. 1,626,801; May 3.
Fiegel, William J. (See Eggenwiler, C. W., and Fiegel.)
Field, Burnham E., Douglaston, and R. Franks, Elmhurst, N. Y., assignors to Haynes Stellite Company. Wear-resisting alloy. 1,626,726; May 3.
Finch, Paul R., assignor to A. C. White, Des Moines, Iowa. Rotary pump. 1,627,024; May 3.
Fischer, Albert C., Chicago, Ill. Roofing attachment. 1,626,802; May 3.
Fish, William L., Pompton Plains, N. J. Card camera. 1,626,606; May 3.
Fishback, John S., Indianapolis, Ind. Self-contained radio receiving unit. 1,626,803; May 3.
Fisher, Clarence F., Lancaster, Kans. Antiskid chain. 1,627,025; May 3.
Fisher, Frank C., Toledo, assignor to The Bryan Screw Machine Products Company, Bryan, Ohio. Automobile lock. 1,627,081; May 3.
Fisher, Frank C., Toledo, assignor to The Bryan Screw Machine Products Company, Bryan, Ohio. Automobile lock. 1,627,082; May 3.
Fisher, Garfield W. (See Jones, L. S., Fisher, and Henrikson.)
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Gasket. 1,627,167; May 3.
Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Automatic stop valve. 1,626,804; May 3.
Ford, David O., Lynchburg, Va. Paper salt shaker. Des. 72,552; May 3.
Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., New York, N. Y. Electrical transmitter. 1,627,168; May 3.
Ford Instrument Company. (See Ford, Hannibal C., assignor.)
Ford, James G. (See Little, G. M., and Ford.)
Forker, Harry M., Washington, D. C. Column spacer. 1,627,026; May 3.
Forrest, Thomas W. W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Apparatus for processing berries, especially Thompson seedless raisins. 1,626,805; May 3.
Forrow, Elwin W., Anaheim, Calif. Flexible swab. 1,626,926; May 3.
Forry, Archie D., Clarksville, Iowa. Implement for cutting and opening pasteboard boxes. 1,626,806; May 3.
Fosseen, Arthur B., Spokane, Wash. Roof. 1,627,027; May 3.
Fountain, Clark O., Moorestown, N. J. Automobile rebound checking device. 1,627,379; May 3.
Fowler, Lester A., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,626,607; May 3.
Francis, Jacob R., Flint, Mich. Heat control for internal-combustion engines. 1,626,727; May 3.
Franks, Russell. (See Field, B. E., and Franks.)
Franks, Thomas, Walsall, England. Coupling for vehicles. 1,627,430; May 3.
Frans Manufacturing Co. (See Thorne, Lawrence C., assignor.)
Fraser, Kenneth G., Wellton, Ariz. Filter funnel. 1,627,083; May 3.
Freeland, Claude L., Bristow, Okla. Process of and apparatus for condensing, treating, and washing hydrocarbon vapors. 1,627,431; May 3.
French Battery & Carbon Company. (See Baird, Frank T., assignor.)
Frengle, Frederick, Cotati, and F. D. Rohan, assignors to F. D. Rohan and F. S. Conner, a Copartnership doing business under the firm name of Pride of Petaluma Brooder Stove Company, Petaluma, Calif. Chicken brooder. 1,627,279; May 3.
Freund, Cheri S., assignor to Federal Cement Tile Company, Chicago, Ill. Building tile or slab. 1,627,280; May 3.

Fr. Hesser Maschinenfabrik Aktiengesellschaft. (See Gangler, Paul, assignor.)
Friedman, William, New York, N. Y. Toilet article. 1,626,927; May 3.
Friedman, William, Princeville, Ill. Combined window stop and weather strip. 1,626,674; May 3.
Fritz, George, Cincinnati, Ohio. Sectional bin. 1,627,084; May 3.
Froelich, Clarence H. (See Van Essen, P. D., and Froelich.)
Gadd, William E. (See Disbrow, C. A., and Gadd.)
Gallaway, William O. (See Nye, Louis R., assignor.)
Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Mechanism reversible without backlash error. 1,627,236; May 3.
Galvin, Wade S., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,553; May 3.
Gamino, Bartolo, Pigeon, Mich. Knee-protecting device. 1,627,497; May 3.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft. Stuttgart-Cannstatt, Germany. Machine for manufacturing, filling, and closing packages. 1,627,169; May 3.
Gardner, John E., assignor, by mesne assignments, to Automatic Electric, Inc., Chicago, Ill. Automatic telephone system. 1,626,807; May 3.
Garrety, Frank J., Cincinnati, Ohio. Display-sample device. 1,627,281; May 3.
Geiger, Paul H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,626,928; May 3.
General Chemical Company. (See Lipfert, William J., assignor.)
General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
General Fuel Briquette Corporation. (See Zwoyer, Ellsworth B. A., assignor.)
General Optical Co. (See Clement, Hans, assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Larry, Edwin C., assignor.)
General Railway Signal Company. (See Peabody, James A., assignor.)
Gerlach Oscar, La Salle, Ill. Manufacture of Hydraulic cement and the like. 1,627,170; May 3.
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. et al. (See Semm, A., and Schaffer, assignors.)
Gibson, Adelbert R., Los Angeles, Calif., and H. E. Schorr, New York, N. Y. Headlight lens. 1,627,498; May 3.
Gibson, William R., Forest Hills, N. Y. Chimney. 1,626,808; May 3.
Giggal, William C., Denver, Colo. 1,627,085; May 3.
Gilbert, Lovic R. (See Blackston, Edward A., assignor.)
Gilbert, Maxwell F., Philadelphia, Pa., assignor to Richardson & Boynton Company, New York, N. Y. Heater. 1,627,086; May 3.
Gilbert, Walter V., Westminster, London, assignor to Gilbert's Patents Limited, London, England. Detachable-wheel mechanism. 1,627,499; May 3.
Gilbert's Patents Limited. (See Gilbert, Walter V., assignor.)
Gilday, Frank, and W. J. Duffy, Mayfield, Pa. Automatic signal system. 1,627,380; May 3.
Gillett, Benjamin B., Kansas City, Mo. Open-end wrench. 1,626,809; May 3.
Gillson, Charles B. (See Stolp, Samuel S., assignor.)
Gillson, Louis K., Wilmette, Ill. Fuel-throwing vane or shovel. 1,627,381; May 3.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,627,322; May 3.
Gingras, Louis J., and A. St. Onge, Websterville, Vt. Door holder. 1,626,810; May 3.
Glaesener, Fred, Castleford, Idaho. Agricultural implement. 1,626,811; May 3.
Gleason Works. (See Head, Ernest C., assignor.)
Glove Corporation. (See Sturm, Frank X., assignor.)
Godfrey, William F., Kearney, Nebr. Endless-chain pump. 1,626,812; May 3.
Goeller, Vernon R., Boonton, N. J. Tire spreader. 1,627,500; May 3.
Goeser, Edwin W., and W. D. Davidson, assignors, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary table. 1,627,323; May 3.
Gold, Samuel B., Independence, assignor to Weber Engine Company, Kansas City, Mo. Internal-combustion engine. 1,627,532; May 3.
Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Card-assorting machine. 1,627,028; May 3.
Goldinger, Carl M., Tarentum, Pa., assignor to W. P. Murphy, Chicago, Ill. Uncoupling lever. 1,626,929; May 3.
Goldthorpe, Jack J., Albany, N. Y. Game. 1,627,501; May 3.
Golomb, Morris, assignor to Everlast Sporting Goods Mfg. Co., New York, N. Y. Protective device for boxers. 1,627,382; May 3.
Good Inventions Co. (See Good, John, assignor.)
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Liquid-fuel-combustion apparatus. 1,626,813; May 3.
Goodall, Fred E., assignor, by mesne assignments, to Van Ess Laboratories, Inc., Chicago, Ill. Skin cream. 1,626,814; May 3.
Goodman, Patrick, Brooklyn, N. Y. Gas-main stopper. 1,627,502; May 3.
Goodwin, Ernest G., New York, N. Y., assignor, by mesne assignments, to Goodwin Side Bearing Co., Inc., Wilmington, Del. Side bearing. 1,627,432; May 3.
Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Draft gear and installing same. 1,627,433; May 3.
Goodwin Side Bearing Co. (See Goodwin, Ernest G., assignor.)
Gordatowski, J. B., et al. (See Stewart, Frank H., assignor.)
Goss Printing Press Company, The. (See Andersen, Niels C., assignor.)
Gothberg, Herman E., Wyoming, N. Y. Mop wringer. 1,627,383; May 3.
Gottschalk, Prosper L., Wauwatosa, Wis. Form for building construction. 1,627,171; May 3.
Gouirand, René, and A. Pache, deceased, New York, N. Y.; J. Pache, administratrix. Clamp. 1,627,172; May 3.
Graham Brothers. (See Kuhn, Clinton J., assignor.)
Graham Glass Company. (See Lents, J. M., and Miller, assignors.)
Graham, Louis A., Evanston, and C. L. Low, Chicago, Ill. Sign-composing device. 1,626,815; May 3.
Gran, Albert, Chicago, Ill. Receptacle. 1,627,282; May 3.
Grant, Charles W., Lynn, Mass. Game. 1,627,087; May 3.
Green, Archibald H., London County, England, assignor to The International Silencer Company (1926) Limited, county of London, England. Silencer for gaseous currents. 1,627,324; May 3.
Green Fuel Economiser Company, The. (See Messler, Clinton S., assignor.)
Green, Jerry S., Le Claire, Iowa. Self-locking clothesline receiver. 1,626,728; May 3.
Greenway, Milton E., and R. W. Chambers, Whitewright, Tex. Automatic circuit breaker. 1,627,029; May 3.
Gregg, Robert D. (See Shidler, F. L., and Gregg.)
Grether, Carl, Todtnau, Germany. Brush. 1,626,816; May 3.
Griffey, Dinney F., assignor of one-half to R. N. Cox, Red Jacket, W. Va. Railway-switch locking and operating means. 1,627,503; May 3.
Griffin Wheel Company. (See Vial, F. K., and Evans, assignors.)
Grip Nut Company. (See Sharp, William E., assignor.)
Grogg, Charles C., Mansfield, Ohio. Container. 1,626,930; May 3.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,626,931; May 3.
Groat, Ransom A., San Bruno, Calif. Telegraph-receiving instrument. 1,627,030; May 3.
Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sound-producing device. 1,627,384; May 3.
Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sound-producing device. 1,627,385; May 3.
Grunberg, George, New York, N. Y. Perfume bottle. Des. 72,554; May 3.
Grünewälder, Karl. (See Kämpf, A., and Grünewälder.)
Grupe, William F., Lynhurst, N. J. Transfer medium for metallizing purposes. 1,627,088; May 3.
Guiberson Corporation, The. (See Crowell, Erd V., assignor.)
Gulick, David E., Chicago, Ill. Lavatory. 1,627,504; May 3.
Gurnee, Isaac Q., Butler, and A. A Smith, Riverdale, N. J., assignors to Superior Hard Rubber Company, Butler, N. J. Thermometer case. Des. 72,555; May 3.
Guymon, Chauncey, Los Angeles, Calif. Advertising device. 1,627,505; May 3.
Haase, Frank. (See Morehouse, F. B., and Haase.)
Haas, Carrie, administratrix. (See Haas, Ignatius.)
Haas, Ignatius, deceased; C. Haas, administratrix, Philadelphia, Pa. Toy game board. 1,627,173; May 3.
Hall, C. M., Lamp Company. (See Bamford, Frank L., assignor.)
Hall, C. M., Lamp Co. (See Seitz, Ernest O., assignor.)
Hall & Connolly, Inc. (See Hall, Theodore, assignor.)
Hall, Theodore, Brooklyn, assignor to Hall & Connolly, Inc., New York, N. Y. Feeding means for arc lamps. 1,626,952; May 3.
Hall, William G., Honolulu, Hawaii. Juice-straining system for sugar-cane mills. 1,627,283; May 3.
Hall, William G., Honolulu, Hawaii. Juice-straining system for sugar-cane mills. 1,627,284; May 3.
Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,627,538; May 3.
Halpin, Abraham, New York, N. Y. Instrument attachment. 1,627,089; May 3.
Halvorsen, Arthur L., Perth Amboy, N. J. Making a stable hydrogen peroxide. 1,627,325; May 3.
Hamey, Amos C., North Sydney, New South Wales, Australia. Crushing and grinding machine. 1,627,506; May 3.

Hammer-Bray Company. (See Hammer, George, assignor.)
Hammer, George, assignor to Hammer-Bray Company, Oakland, Calif. Gas-kindling burner. 1,627,286; May 3.
Hammett, Elbert A., Kansas City, Mo. Electrically-operated valve mechanism. 1,626,817; May 3.
Hammond, John H., jr. (See Chaffee, Emory L., assignor.)
Hammond, John H., jr., Gloucester, Mass. Salvo firing. 1,627,174; May 3.
Handlan, Alexander H., jr., St. Louis, Mo. Hose coupling. 1,626,729; May 3.
Hanley, William L., jr., Bradford, Pa. Clay tempering and expressing apparatus. 1,626,675; May 3.
Hansen, John C., jr., Newark, N. J. Leveling device. 1,627,175; May 3.
Hansmann, Paul, and H. Strack, Long Prairie, Minn., assignors, by mesne assignments, to the said Hansmann. Antiside draft-plow hitch. 1,626,676; May 3.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Metal-working machine. 1,627,090; May 3.
Hanson, Einar A., et al., executors. (See Hanson, Bengt M. W.)
Harding, Joseph G., Jackson, assignor of one-half to W. R. Casparis, Columbus, and one-half to S. E. Stephenson, Jackson, Ohio. Manufacturing slag cement. 1,627,287; May 3.
Harris, Jason E., Howard, Kans. Bearing for engines, air compressors, and the like. 1,627,031; May 3.
Harris, Jason E., Howard, Kans. Intake valve. 1,627,032; May 3.
Hart, Russell, Los Angeles, Calif. Photographically recording sound. 1,627,387; May 3.
Hartley, Arthur J., Peoria, Ill. Grain-feeding device. 1,626,608; May 3.
Harvey, Fred. (See Huckel, John F., assignor.)
Hatmaker, James R., Paris, France. Condensed milk and making same. 1,626,818; May 3.
Häussler, Alfred, assignor to C. H. Boehringer Sohn Chemische Fabrik, Niederingelheim-on-the-Rhine, Germany. Making keto and aldo aliphatic carboxylic acids. 1,627,091; May 3.
Haverbusch, Herman F. (See Deye, E. G., and Haverbusch.)
Haward, Ernest W., Old Trafford, England. Antisplash device for the wheels of motor road vehicles. 1,627,033; May 3.
Hawkins, Edgar M., assignor to M. D. Knowlton Company, Rochester, N. Y. Receiving bank. 1,626,933; May 3.
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Portable derail. 1,627,092; May 3.
Hayes, Thomas R., Monrovia, Calif. Chair. 1,627,388; May 3.
Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)
Haynes, Hobart F., Syracuse, N. Y. Socket wrench. 1,626,730; May 3.
Haynes, Jasper H., Bangor, Me. Runner for automobile wheels. 1,627,507; May 3.
Haynes Stellite Company. (See Field, B. B., and Franks, assignors.)
Haslett, Merritt W., Franklin, N. Y. Retracting caster. 1,626,819; May 3.
Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Pair of gears. 1,626,820; May 3.
Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Method and machine for cutting gears. 1,626,821; May 3.
Hearn, George G., St. Petersburg, Fla. Protective device for automobile fuel tanks. 1,626,822; May 3.
Hedberg, William F., Kansas City, Mo. Joist form. 1,626,823; May 3.
Hedenburg, Oscar F., and D. S. Pratt, Pittsburgh, Pa., assignors to The Toledo Rex Spray Company, Toledo, Ohio. Insecticide composition. 1,627,389; May 3.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Frequency-changing aggregate. 1,627,326; May 3.
Hemphill Company. (See Bosworth, George P., assignor.)
Hemphill Company. (See Lawson, Robert H., assignor.)
Henderson, George C., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Fifth-wheel assembly. 1,627,176; May 3.
Henderson, Robert H., East Orange, N. J. Bender for light-gauge conduits or pipes. 1,627,034; May 3.
Henningsen, Knud, Chicago, Ill. Clamp for scaffolding or the like. 1,627,177; May 3.
Henrici, Fritz W. A., Boston, Mass. Reversing mechanism. 1,627,434; May 3.
Henriksson, Carl G. (See Jones, L. S., Fisher, and Henriksson.)
Henry, Ferdinand G., New York, N. Y., assignor to Fairchild Aerial Camera Corporation. Control of gyroscope-erecting systems. 1,627,178; May 3.
Henry, Guy P., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Tire carrier. 1,626,934; May 3.
Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Method of and apparatus for synchronization in picture transmission. 1,626,731; May 3.
Heron, Sam D. (See Wade, V. M., Zimmerman, and Heron.)
Hershey Manufacturing Company. (See Hershey, Orville S., assignor.)
Hershey, Orville S., assignor to Hershey Manufacturing Company, Chicago, Ill. Automobile lock. Re16,612; May 3.
Herskovitz, Max, deceased, Chicago, Ill.; W. Herskovitz (now, by judicial change of name, W. Herst) and C. Weinfeld, executors. Electric-socket structure. 1,627,238; May 3.
Herskovitz, William, et al., executors. (See Herskovitz, Max.)
Hewitt, Roy, Sterling, Ill. Bale-tie machine. 1,627,533; May 3.
Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. System of and apparatus for gun-fire control. 1,626,824; May 3.
Hickman, Manuel, San Juan, assignor of one-third to P. M. Perkins, McAllen, Tex. Duplex baling press. 1,627,327; May 3.
Higgins, John J. (See Madden, H. D., and Higgins.)
Higgins, John J. (See Robins, H. M., and Higgins.)
Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Stem for incandescent lamps and method of making. 1,626,677; May 3.
Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Combination inserting and welding machine. 1,626,678; May 3.
Hild, Frederic W., Los Angeles, Calif. Central shank reaming disk bit. 1,627,179; May 3.
Hilger, George, Chicago, Ill. Refrigeration system. 1,627,328; May 3.
Hill, Clement V., Trenton, N. J. Hinge for doors. 1,627,329; May 3.
Hill, Louis, Akron, Ohio. Compensating gas cut-off. 1,626,609; May 3.
Hindahl, David, assignor to Rodger Ballast Car Company, Chicago, Ill. Railway dump car. 1,626,825; May 3.
Hineline, Harris D., Akron, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Variable-speed squirrel-cage motor. 1,627,330; May 3.
Hiniker, Benjamin F., Taft, Calif. Pipe and rod spider. 1,626,826; May 3.
Hirst, Charles E., assignor to Beckett, Laycock & Watkinson Limited, London, England. Screw and nut actuating mechanism. 1,627,331; May 3.
Hochuli, Henry R., Jamaica, N. Y., assignor to Mergenthaler Linotype Company. Machine for clearing matrix cavities. 1,627,093; May 3.
Hodge, William B. (See Cramer, S. W., and Hodge.)
Hodge, Wm. B., Company. (See Cramer, S. W., and Hodge, assignors.)
Hoe, R., & Co. (See Clauberg, Herman P., assignor.)
Hoffman, Glenn R., Springfield, Ill. Braking mechanism, more particularly for motor vehicles. 1,627,508; May 3.
Hoffman, Glenn R., Springfield, Ill. Braking mechanism, more particularly for motor vehicles. 1,627,509; May 3.
Hoffman, Glenn R., Springfield, Ill. Braking mechanism, more particularly for motor vehicles. 1,627,510; May 3.
Hoge, James B., Cleveland, Ohio, and E. E. Clement, Washington, D. C., assignors to E. F. Colladay, Washington, D. C. Radiophone meter. 1,627,332; May 3.
Holsington, Harry, Davenport, Iowa. Shutter latch for shields. 1,626,827; May 3.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Removable carriage for typewriters. 1,627,390; May 3.
Holden, William H. T., New York, N. Y., assignor to Westinghouse Lamp Company. Vaporizing a getter in an evacuated vessel. 1,626,732; May 3.
Holderle, Carl L. (See Holderle, Frederick W. and C. L.)
Holderle, Frederick W. and C. L., Rochester, N. Y. Beverage cooling and dispensing apparatus. 1,626,985; May 3.
Hollister, Harvey F., Spencer, Iowa. Condenser and cooler. 1,626,733; May 3.
Holtom, Albert O., Rochester, assignor to H. E. Zimmerman, New York, N. Y. Radiator cap. Des. 72,556; May 3.
Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Spooling mechanism and method. 1,627,239; May 3.
Hooben, James A., Taunton, Mass. Tool. 1,627,435; May 3.
Hoover, Benjamin J., Okolona, Miss. Railway tie remover. 1,627,094; May 3.
Hopf, Rudolph A., assignor to Averill Mfg. Co., New York, N. Y. Doll head. 1,627,511; May 3.
Hopkinson, Joseph, assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,626,828; May 3.
Hopwood, John M. (See Peebles, Thomas A., assignor.)
Horn, William G. (See Austin, B. O., and Horn.)
Hornbuckle, William P., and R. F. Craig, Stanley, N. C. Warper attachment. 1,626,829; May 3.
Hornquist, Frank, Mount Jewett, Pa. Safety shoe for railway trucks. 1,626,610; May 3.
Horst, Milton F., Los Angeles, Calif. Continuous automatic concrete mixer. 1,626,830; May 3.
House, Henry A., Bridgeport, Conn., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Article-handling mechanism. 1,627,391; May 3.

Hovland, Henry, Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. Re16,615; May 3.

Hovland, Henry, Flushing, assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Automatic coin-service telephone system. Re16,616; May 3.

Howard, William R. (See Egloff, G., and Howard.)

Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbons. 1,627,436; May 3.

Howe, Winthrop K., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y. Power-operated wringer for washing machines. 1,626,831; May 3.

Hoyt, John C. (See Au, Carl H., assignor.)

Hubbard, Lemott D., Utica, N. Y. Culinary utensil. 1,627,285; May 3.

Huckel, John F., assignor to F. Harvey, Kansas City, Mo. Lunch-counter stool. 1,626,832; May 3.

Hudd, Alfred E., Liverpool, and A. F. Bound, Timperley, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Train-control system. 1,626,833; May 3.

Hueber, Joseph A. (See Kelley, J. M., and Hueber.)

Hughes, Charles H., and B. E. Kothe, Cincinnati, Ohio. Artificial bait. 1,627,512; May 3.

Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Car-door-latching device. 1,626,834; May 3.

Hult, John A., assignor to The American Multigraph Company, Cleveland, Ohio. Addressing machine. 1,627,240; May 3.

Humphrey, Alfred H., assignor to G. G. Humphrey, Salem, N. Y. Sign. 1,627,437; May 3.

Humphrey, Grace G. (See Humphrey, Alfred H., assignor.)

Hunt, Leonard E., Duquesne, Pa. Rolling-mill table. 1,626,734; May 3.

Hunter, Edward. (See Bosserdet, Alfred E., assignor.)

Hutchinson, Job, Saugerties, N. Y. Washing and wringing machine. 1,627,438; May 3.

Huth, Dr. Erich F., G. m. b. H. (See Messtorff, Gerhard, assignor.)

Hynes, Lee P., assignor to Consolidated Car Heating Company, Albany, N. Y. Motor system for car doors. 1,627,180; May 3.

Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Cord connecter. 1,627,286; May 3.

Imbery, Arthur. (See Alexander, H., and Imbery.)

Individualizing Company of Illinois. (See Magnus, E. G., and Doech, assignors.)

Ingersoll, Howard L., White Plains, N. Y. Corrugated wall plate. 1,627,392; May 3.

Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)

Ingham, Walter E., Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Ball-turning device. 1,626,936; May 3.

Interlocking Shingle Co. (See Davis, Isadore, assignor.)

International Business Machines Corporation. (See Peirce, John R., assignor.)

International Harvester Company. (See Raney, Clemma R., assignor.)

International Scale Company. (See Osgood, Louis A., assignor.)

International Scale Company. (See Osgood, L. A., and Wolf, assignors.)

International Silencer Company (1926) Limited, The. (See Green, Archibald H., assignor.)

Isom, Edward W., Winnetka, Ill., and J. E. Bell, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Apparatus for condensing vapors. 1,627,544; May 3.

Jackson, John T., Coldwater, Mich. Poster board. 1,626,735; May 3.

Jahn, Herman C., Springfield, Ill. Wrench. 1,627,035; May 3.

Jäger, Karl, Werden-Ruhr, Germany. Textile fabric. Des. 72,557; May 3.

James, Albert S., Eureka, Calif. Attachment for tank vents. 1,627,095; May 3.

James, Edwin F., Cleveland, Ohio. Refrigerating apparatus. 1,626,835; May 3.

James, Keith D., Hobart, Tasmania, Australit. Variable-transmission gearing. 1,626,611; May 3.

Jamison, Frank E., Kansas City, Kans. Attachment for paper-folding machines. 1,627,333; May 3.

Jauvert, Pierre M., Toulon, France. Refrigerating apparatus. 1,626,836; May 3.

Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent rotation of bobbins. 1,626,837; May 3.

Johnson, Thor, Rolette, N. Dak. Camp stove. 1,627,513; May 3.

Johnson, William H., Cambridge, Md. Window bracket. 1,627,241; May 3.

Johnston, George W., Sand Springs, Okla. Boat-propelling mechanism. 1,626,736; May 3.

Johnston, Howard H. (See Riley, L. G., Meyer, Johnston, and van Nieukerken.)

Jones, Louis S., G. W. Fisher, and C. G. Henrikson, assignors to The National Tile Company, Anderson, Ind. Tile-coating machine and process. 1,627,096; May 3.

Jordan, Jesse M., Lovefield, Tex. Milk-bottle cap. 1,627,036; May 3.

Jorgensen, Olav E., Forest Hills, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Piston for internal-combustion engines. 1,626,838; May 3.

Joseph & Feiss Co., The. (See Feiss, Richard A., assignor.)

Kaestner & Hecht Company. (See Dunlop, J., and Clancy, assignors.)

Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Wall telephone. 1,627,393; May 3.

Kallmeyer, Ernst, Burgbernheim, Germany, assignor to H. W. Reese, New York, N. Y. Catheter. 1,626,839; May 3.

Kämpf, Adolf, and K. Grünewälder, Premnitz, Westhavelland, Germany. Loosening parallel fiber bunches by the wet process. 1,627,037; May 3.

Kanner, Samuel, New York, N. Y. Pen desk stand or similar article. Des. 72,558; May 3.

Katzinger, Arthur, Chicago, Ill. Reenforced baking pan. 1,627,542; May 3.

Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Making containers. 1,627,540; May 3.

Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Covered pan. 1,627,541; May 3.

Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)

Kauch, Robert, Dayton, Ohio. Searchlight range finder. 1,627,097; May 3.

Kaufman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Container. 1,626,840; May 3.

Kaufmann, Arno, Pforzheim, Germany. Necktie holder. 1,626,937; May 3.

Kearns, John J., Spokane, Wash. Weeding implement. 1,627,038; May 3.

Kégresse, Adolphe, Paris, France. Endless supporting and driving flexible belt for motor and other vehicles. 1,627,287; May 3.

Keith, Nathaniel S., deceased, Philadelphia, Pa.; C. L. Roth, administrator. Amalgamator. 1,627,181; May 3.

Kelley, James M., and J. A. Hueber, Philadelphia, Pa. Color-changing attachment for motion-picture projectors. 1,626,841; May 3.

Kellogg, Carl A., Brooklyn, N. Y. Printing machine. 1,627,182; May 3.

Kellogg, Carlton C., Moline, Ill. Grain shocker. 1,626,612; May 3.

Kellogg Switchboard and Supply Company. (See Kaisling, William, assignor.)

Kelly, Bert F., assignor to Parts Corporation Indianapolis, Ind. Rear-view-mirror support. 1,626,938; May 3.

Kelly, Harry D., Bloomfield, N. J., assignor to Westinghouse Lamp Company, Lamp-making machine. 1,626,679; May 3.

Kendall, William G., Newark, N. J. Compact holder. 1,626,613; May 3.

Kendall, William G., Newark, N. J., assignor to Parfumerie Rigaud, Inc., New York, N. Y. Compact holder. 1,626,842; May 3.

Kerstein, Ernest A., Brooklyn, assignor to American Meter Company, Incorporated, New York, N. Y. Resetting device for gas meters. 1,627,183; May 3.

Kibele, Eugene, San Antonio, Tex. Well swab. 1,626,614; May 3.

Kilby, Herbert N., Cleveland, Ohio. Carbonating apparatus and method. 1,627,439; May 3.

King, Grover N., Kerrville, Tex. Fishing tool. 1,626,843; May 3.

Kirby Gustavus T., New York, and H. I. Day, Forest Hills, N. Y., assignors, by mesne assignments, to Kirby, Incorporated. Illuminating means. 1,626,615; May 3.

Kirby, Incorporated. (See Kirby, G. T., and Day, assignors.)

Kline, Fred J. (See Ellis, Justin A., assignor.)

Kline, Victor H., Lakewood, assignor to The American Multigraph Company, Cleveland, Ohio. Printing device having changeable form.) 1,627,242; May 3.

Knowlton, M. D., Company. (See Hawkins, Edgar M., assignor.)

Knowlton, M. D., Company. (See Seymour, Charles R., assignor.)

Koegle, John G., assignor of one-half to H. Boelter, Toledo, Ohio. Casting machine. 1,627,098; May 3.

Koehring Company. (See Lichtenberg, Erick H., assignor.)

Koepp, Rudolph, & Co. (See Bredig, G., and Elöd, assignors.)

Kooperstein, Louis, assignor to West Disinfecting Company, New York, N. Y. Soap valve. 1,626,989; May 3.

Kothe, Bernard E. (See Hughes, C. H., and Kothe.)

Kowol, Carl O., Alton, Ill. Pencil sharpener. 1,627,243; May 3.

Kraemer, Louis, Yonkers, N. Y. Line-drying attachment for fishing rods. 1,627,514; May 3.

Krammer, Henry E., New York, N. Y. Sectional flying boat. 1,627,184; May 3.

Krammer, Henry E., New York, N. Y. Aircraft. 1,627,185; May 3.

Krauss, Friedrich E., Schwarzenberg, Saxony, Germany. Portable fire extinguisher. 1,627,039; May 3.

Kreager, William A. J., Denver, Colo. Burners for oil-well cleaners. 1,626,940; May 3.

Kuhn, Clinton J., Vanderburgh, assignor to Graham Brothers, Evansville, Ind. Finger guard for foldable bus doors. 1,626,844; May 3.

Kurkowski, Joseph, Pittsburgh, Pa. Apparatus for joining or connecting pipes. 1,627,288; May 3.

La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Forming charges of molten glass. 1,626,737; May 3.

La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Conveying apparatus. 1,626,738; May 3.

Laird, Carl L., Galveston, Tex. Reefing iron. 1,627,515; May 3.

Lalor Fuel Oil System Company, The. (See Lalor, James D., assignor.)

Lalor, James D., assignor to The Lalor Fuel Oil System Company, Inc., Baltimore, Md. Fluid-straining apparatus. 1,627,186; May 3.

Lamb, Charles R. (See Wood, George E., assignor.)

Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Articulated car construction. 1,626,845; May 3.

Lampros, Peter, Iron Mountain, Mich. Glove. 1,626,846; May 3.

Lanak, William H., Minneapolis, Minn. Sadiron. 1,626,616; May 3.

Lancaster Iron Works, Inc. (See Dupuy, Arthur O., assignor.)

Landgren, Charles A., and J. A. Landgren, Silverton, Oreg. Attachment for frying pans. 1,627,099; May 3.

Landgren, Julia A. (See Landgren, Charles A. and Julia.)

Larkie, Loyd P., et al. (See Smith, Lawrence F., assignor.)

Larry, Edwin C., assignor to General Railway Signal Company, Rochester, N. Y. Railway-signaling system. 1,627,440; May 3.

Larsen, Hjalmar R., Newark, N. J. Cooking utensil. 1,627,187; May 3.

Larsen, Johannes C., Sturtevant, Wis. Onion harvester. 1,627,289; May 3.

Larson, Erick, Paullina, Iowa. Automatic currier and oiler. 1,627,516; May 3.

Lasker, William W., Brooklyn, N. Y., and J. Mueller, North Bergen, N. J., assignor to Powers Accounting Machine Corporation, New York, N. Y. Variable-feed mechanism for tabulating machines. 1,627,394; May 3.

Last, Erwin, Vienna, Austria. Electrode to be applied to the human body and making the same. 1,626,617; May 3.

Lawrie, James W., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Recovering glycerine from fermented molasses mash and apparatus therefor. 1,627,040; May 3.

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Reverse plating mechanism and process. 1,627,290; May 3.

Lawyer, William S., Woodland, Wash. Wrench. 1,627,441; May 3.

Leach Company. (See Rauter, Fred W., assignor.)

Leach Company. (See Runge, Richard W., assignor.)

Leary, John J., Brooklyn, N. Y. Printing machine. 1,627,041; May 3.

Lechthaler, Robert, Berlin-Charlottenburg, assignor to Baumgärtner, Dr. Kats & Co., G. m. b. H., Spandau-Elswerder, Germany. Apparatus for the manufacture of hollow bodies from fibrous pulp. 1,626,847; May 3.

Lecrenier, Célestin, Tampa, Fla. Motor. 1,627,100; May 3.

Lee, Charles M., Shreveport, La. Mirror mounting. 1,627,395; May 3.

Legat, Robert C. (See Prentice, G. E., and Legat.)

Lehmann, Otto P. E., Newark, N. J., assignor to V. C. Thorne, New York, N. Y. Projecting machine. 1,627,396; May 3.

Leighton, Joseph B., Los Angeles, Calif. Self-lubricating spring. 1,626,740; May 3.

Lentz, John M., and F. E. Miller, assignors to Graham Glass Company, Evansville, Ind. Method and apparatus for fire-finishing glass articles. 1,626,789; May 3.

Lewis, Leo L., Plainfield, assignor to Carrier Engineering Corporation, Newark, N. J. Method of and apparatus for cooling and ventilating. Re16,611; May 3.

Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,626,941; May 3.

Lewis, Wilbur S., Cleveland, Ohio. Take-up device. 1,627,244; May 3.

Leyssieffer, Gustav. (See Balke, P., and Leyssieffer.)

Lichtenberg, Erich H., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Drive mechanism for tractors. 1,626,680; May 3.

Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacture of hydrocyanic acid. 1,626,848; May 3.

Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Machine for winding resistance coils. 1,627,188; May 3.

Lilpfert, William J., Timonium, Md., assignor to General Chemical Company, New York, N. Y. Calcium-arsenate products and making the same. 1,626,942; May 3.

Liptak Fire-Brick Arch Company. (See Strachota, Clarence A., assignor.)

Little, George M., Pittsburgh, and J. G. Ford, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Dry cell. 1,627,334; May 3.

Littleford, John S., jr., Fort Thomas, Ky. Indoor game. 1,627,517; May 3.

Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retaining-valve device. 1,626,618; May 3.

Lloyd, Myron B., Detroit, Mich. Mixing device. 1,626,741; May 3.

Lock, Jack, Lowell, Mass. Balancing bobbins and the like. 1,627,518; May 3.

Lockwood, Edna E., Kansas City, Mo. Floor-polishing machine. 1,626,742; May 3.

Loeb, Rudolf, Ventnor, N. J. Ornamental fabric structure. 1,627,543; May 3.

Logan, Benjamin J. (See Ovren, John E., assignor.)

Loose Seat Valve Company. (See Wilson, Wylie G., assignor.)

Lottman, Edward J., assignor of one-half to W. B. Bassett, Cincinnati, Ohio. Thread-feeding attachment for knitting machines. 1,627,534; May 3.

Love, William H. (See Matthews, H. E., Love, and Ryder.)

Low, Charles L. (See Graham, L. A., and Low.)

Lowell-Wintsch Automatic Train Control. (See Rose, James A., assignor.)

Lubé, Henry. (See Perrault, J. A., and Lubé.)

Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condensing apparatus. 1,626,849; May 3.

Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condensing apparatus. 1,626,850; May 3.

Luthy, Joseph O., San Antonio, Tex. Battery connecter. 1,627,442; May 3.

Lynds, Fred H., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh machine. 1,627,397; May 3.

Lyons, Gordon T., Los Angeles, Calif. Dispensing device. 1,626,943; May 3.

Maag Gear Wheel & Machine Company. (See Maag, Max, assignor.)

Maag, Max, Schwamendingen, assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland. Gear grinder. 1,626,944; May 3.

Maag, Max, Schwamendingen, assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland. Gear grinder. 1,626,945; May 3.

Mabee, Alexander C. (See Dienner, J. A., and Mabee.)

MacDow, John W., Newark, N. J. Loud speaker. Des. 72,559; May 3.

Macey, Frank, Milwaukee, Wis. Antifriction tip for furniture. 1,626,946; May 3.

MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnet. 1,626,681; May 3.

MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Combination Harvester thrasher. 1,627,535; May 3.

MacLaurin, Robert D., Lakewood, and C. C. Smith, Cleveland, Ohio. Garbage reduction. 1,626,853; May 3.

McRae, Duncan, East Orange, N. J., assignor to Westinghouse Lamp Company. Getter and applying the same. 1,626,682; May 3.

Macy, Alfred J., assignor, by mesne assignments, to The Pro-Tex Corporation, Chicago, Ill. Automatic releasing mechanism for locks. 1,627,189; May 3.

Madden, Harry D., Newark, N. J., assignor to Westinghouse Lamp Company. Machine for deforming glass articles. 1,626,683; May 3.

Madden, Harry D., Newark, and J. J. Higgins, East Orange, N. J., assignors to Westinghouse Lamp Company. Glass-rod-cutting machine. 1,626,851; May 3.

Madsen, Norman, Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,627,291; May 3.

Magnavox Company, The. (See Metcalf, Herbert E., assignor.)

Magnus, Elmer G. and H. C. Doech, assignors to Individualizing Company of Illinois, Chicago, Ill. Slug holder. 1,627,398; May 3.

Maier, George E., Los Angeles, Calif., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Charging valve. 1,627,443; May 3.

Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Door bumper. 1,627,190; May 3.

Malcom, Roscoe C., Wichita, Kans. Thermal switch. 1,627,519; May 3.

Mangold, Aberham F., Akron, Ohio. Dust collector. 1,626,852; May 3.

Manierre George, Milwaukee, Wis. Car loader. 1,626,947; May 3.

Manierre, George, Milwaukee, Wis. Unloader for railway cars. 1,626,948; May 3.

Marbury, Ralph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,626,684; May 3.

Marden, John W., East Orange, and T. P. Thomas and J. E. Conley, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Activation by means of hydrogen-free, carbon-bearing gas. 1,626,686; May 3.

Markatos, Spiros C., New York, N. Y. Iron-supporting plate for hot-water boilers. Re16,608; May 3.

Martelli, Joseph, Vineland, N. J. Composition for toy torpedo casings. 1,627,101; May 3.

Martin, Antonio S., Schenectady, N. Y. Knee-operated throttle-valve-controlling means. 1,627,102; May 3.

Martin, Harrison S. (See Dippel, William T., assignor.)

Martin, James V., Garden City, N. Y. Aeroplane-wing structure. 1,627,191; May 3.

Martin, William F. (See Tibbens, Samuel K., assignor.)

Martin, William H., Chappaqua, N. Y., assignor to American Telephone and Telegraph Company. Cone loud-speaker diaphragm. 1,626,743; May 3.

Mason, Charles W., Olaa, Hawaii. Bagasse board and making the same. 1,627,103; May 3.

Mason, Thomas S., and E. L. Yungk, Hartford, Conn. Container. 1,627,042; May 3.

Massillon-Cleveland-Akron Sign Company, The. (See Ackeret, Herbert, assignor.)

Mathieson Alkali Works, The. (See Parker, Harrison O., assignor.)

Mattei, Diego, and A. Mazza, assignors to "Eternit," Pietra Artificiale, Societa Anonima, Genoa, Italy. Apparatus for the manufacture of tubes of cement asbestos or similar substances. 1,627,104; May 3.

Matthews, Harry E., W. H. Love, and H. T. Ryder, Greensboro, N. C. Electric stop motion for textile machines. 1,627,292; May 3.

Maudsley, Richard T., Quinton, Birmingham, assignor to Packards & James Fison (Thetford) Ltd., Ipswich, England. Sulphuric acid chamber. 1,627,043; May 3.

Mayhew Steel Products Company. (See Carlson, Frederick O., assignor.)

Maynes Corporation. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del. Drive for amusement rides. 1,627,192; May 3.

Mazza, Adolfo. (See Mattei, D., and Mazza.)

McBee Binder Co., The. (See Welk, Nelson S., assignor.)

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,626,949; May 3.

McCormick, Fowler, Chicago, Ill. Telegraphy. 1,627,444; May 3.

McCormick, Fowler, Chicago, Ill. Printing telegraphy. 1,627,445; May 3.

McCune, Herbert R., assignor to Decatur Brick Mfg. Co., Decatur, Ill. Brick machine. 1,626,619; May 3.

McDonald, Alfred, et al. (See Stitt, Charles M., assignor.)

McDonnell, Stephen P., and P. A. Villars, Dallas, Tex. Timer for internal-combustion engines. 1,627,520; May 3.

McGeehin, Daniel J., West Hazleton, Pa. Temporary pipe coupling. 1,627,044; May 3.

McGeehin, Daniel J., West Hazleton, Pa. Pipe scraper. 1,627,045; May 3.

McIntosh, Arthur M., Sydney, Australia. Making and molding hard porcelain. 1,627,245; May 3.

McIntyre, Allan H., Winchester, Va. Fruit-grading machine. 1,627,246; May 3.

McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 72,560; May 3.

McNerney, John H., et al., administrators. (See Owens, Michael J.)

McRae, William A., Brechin, Ontario, Canada. Liquid-level indicator. 1,626,686; May 3.

Mead, Richard R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Mold for slug-casting machines. 1,626,854; May 3.

Meier, William J., Lansing, Mich. Chimney. 1,627,105; May 3.

Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for multiplex communication. 1,626,856; May 3.

Menschel, Reinhold, Berlin, Germany. Swimming and running shoe. 1,627,521; May 3.

Mentzer, Claude E., assignor of one-half to A. R. Corey, Des Moines, Iowa. Automatic race-track timing device. 1,626,620; May 3.

Mepstead, George S., London, England. Rotary Pump. 1,626,855; May 3.

Mercer, Alvis, et al. (See Smith, Lawrence F., assignor.)

Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Steam-generating apparatus. 1,626,950; May 3.

Meredith, Sherman C., Burlingame, and N. N. T. Nyborg, Modesto, Calif. Manufacturing lactose. 1,626,857; May 3.

Mergenthaler Linotype Company. (See Ackerman, William, assignor.)

Mergenthaler Linotype Company. (See Hochuli, Henry R., assignor.)

Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)

Messler, Clinton S., assignor to The Green Fuel Economizer Company, Beacon, N. Y. Automatic safety system for vessels containing liquid under pressure. 1,627,399; May 3.

Messtorff, Gerhard, Spandau, near Berlin, assignor to the Firm Dr. Erich F. Huth G. m. b. H., Berlin, Germany. Vacuum-tube radiotransmitter. 1,626,744; May 3.

Metal Specialties Manufacturing Company. (See Berg, John, assignor.)

Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Vacuum tube. 1,626,858; May 3.

Metropolitan Lamp Co. Inc. (See Sheiner, Philip, assignor.)

Metz, Alexander E., Teaneck, N. J. Scaffold bracket. 1,626,745; May 3.

Meyer, Harry R. (See Riley, L. G., Meyer, Johnston, and van Nieukerken.)

Meyer, Henry H., Detroit, Mich. Piston. 1,627,100; May 3.

Meyrowitz, Benjamin, New York, N. Y. Automobile traffic-signaling apparatus. 1,627,545; May 3.

Middendorf, George, Newark, N. J. Compressor for refrigerators or the like. 1,626,621; May 3.

Midulla, Benjamin, New York, N. Y. Electric water heater. 1,627,335; May 3.

Miller, Dora S., Los Angeles, Calif. Automobile body. Des. 72,561; May 3.

Miller, Frank R. (See Lents, J. M., and Miller.)

Miller, William A., Pittsburgh, Pa. Intermittent grip mechanism for rotary conveyers. 1,627,046; May 3.

Mills, Thomas R., Washington, D. C. Average-speed-recording means for railway trains. 1,627,522; May 3.

Miner, W. H., Inc. (See Withall, Albert P., assignor.)

Mitchell, Judie P., Denver, Colo. Radiator cap. Des. 72,562; May 3.

Moeller, Heinrich, Cologne Bayenthal, Germany, assignor to Westinghouse Electric & Manufacturing Company. Induction motor. 1,626,622; May 3.

Moeller, Max, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, and elsewhere. Measuring instrument. 1,627,106; May 3.

Monckmeier, Gustav C., Tipton, Iowa. Wear-compensating bolt. 1,627,401; May 3.

Montgomery Ward & Company. (See Robertson, Charles A., assignor.)

Moore, Arlington, New York, N. Y. Infolding paper container bodies and the like. 1,627,049; May 3.

Moore, Arlington, Boston, Mass. Paper dish. 1,627,050; May 3.

Moore, Arlington, Boston, Mass. Paper dish. 1,627,051; May 3.

Moore, Arlington, Worcester, Mass., assignor to Clarke-Moore Corporation, Wilmington, Del. Paper container. 1,627,047; May 3.

Moore, Arlington, Worcester, Mass., assignor to Clarke-Moore Corporation, Wilmington, Del. Paper container. 1,627,048; May 3.

Moore, George, Toronto, Ontario, Canada. Railway-crossing-gate-operating device. 1,627,052; May 3.

Moody, Joseph F., and V. L. Du Bois, assignors to A. H. Neilson, Tulsa, Okla. Safety hook. Re16,613; May 3.

Moratta, Mathew M., Princeton, Ind. Piston ring. 1,627,107; May 3.

Morehouse, Frank B., and F. Haase, San Francisco, Calif., assignors to Trayway Mfg. Co. Washing machine. 1,627,053; May 3.

Morehouse, Harold E., Dayton, Ohio. Aircraft engine. 1,627,108; May 3.

Morgan, George S., Toledo, Ohio. Removing deterrent salts from pickling liquids. 1,626,623; May 3.

Morgan, William C., Everett, Wash. Plastic composition. 1,626,859; May 3.

Morrell, Jacque C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Obtaining resin-like bodies from cracked hydrocarbon products. 1,627,054; May 3.

Morrell, Jacque C., and S. Comay, assignors to Universal Oil Products Company, Chicago, Ill. Purifying hydrocarbon oils. 1,627,055; May 3.

Morris, Adrian K., Atlanta, Ga. Face mask. 1,627,523; May 3.

Morris, Edward M., Rochester, N. Y. Lifting tongs. 1,627,524; May 3.

Morris, Russell L., Tulsa, Okla. Self-locking liquid-level gauge. 1,627,056; May 3.

Morris, Thomas W., Liverpool, England. Preservation of bacon or ham. 1,627,057; May 3.

Morrison, Montford, New York, N. Y. X-ray-tube radiator. 1,626,687; May 3.

Morrison, Robert A., and F. L. Oswald, Portland, Oreg. Ironing board. 1,626,624; May 3.

Moseley, James F., Manchester, England. Detersive compound. 1,627,446; May 3.

Moses, Ashleigh S., New York, N. Y. Apparatus for thickening and washing materials. 1,626,951; May 3.

Moskovics, Frederic E. (See Bastien, P., and Crawford, assignors.)

Motogram Corporation. (See Wilde, Francis E. J., assignor.)

Mucher, John J., Brooklyn, N. Y. Combination terminal. 1,627,447; May 3.

Mudd, Garrett W., Chicago, Ill. Machine for making compacts, tablets, wafers, and the like. 1,626,860; May 3.

Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)

Mueller, Charles W., Jersey City, N. J. Bird perch. 1,627,448; May 3.

Mueller, John. (See Lasker, W. W., and Mueller.)

Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Slip-joint coupling. 1,626,952; May 3.

Muhlfeld, John E., Scarsdale, N. Y., and A. G. Sandman, Baltimore, Md. Steam locomotive. 1,627,402; May 3.

Muhleman & Kayhoe, Incorporated. (See Beale, Frank A., assignor.)

Müller, Friederich, Elisabeth, N. J., assignor to Pratt & Whitney Company, New York, N. Y. Tool post. 1,626,953; May 3.

Mumbower, Leonard E. (See Abernethy, J. L., and Mumbower.)

Munro, Hugh, Glasgow, Scotland. Device for cleaning interdental spaces. 1,627,525; May 3.

Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)

Murphy, Walter P. (See Goldinger, Carl M., assignor.)

Murphy, Walter P. (See Nicholas, Charles W., assignor.)

Murray, Harry, Ross, Calif. Adjustable pulley-block hanger. 1,626,861; May 3.

Myer, Ulrich, Linden, Mo. Fencepost. 1,626,862; May 3.

Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,627,058; May 3.

Nacey, Harry M., Chicago, Ill. Automatic sprinkler head for sprinkling systems. 1,626,863; May 3.

Nadolleck, Malva, New York, N. Y. Wreath. Des. 72,563; May 3.

Nashua Manufacturing Company. (See Caffray, William E., assignor.)

National Automatic Tool Company, The. (See Galloway, Robert M., assignor.)

National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)

National Cash Register Company, The. (See Robertson, William H., assignor.)

National Cash Register Company, The. (See Shipley, Bernis M., assignor.)

National Equipment Company. (See Bausman, Alonzo L., assignor.)

National Tile Company, The. (See Jones, L. S., Fisher, and Henrikson, assignors.)

Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)

Naugatuck Chemical Company, The. (See Ostromislensky, Iwan, assignor.)

Naumburg, Robert E., Winchester, Mass. Piece-up mechanism for textile machines. 1,626,954; May 3.

Neidich, Samuel A., Edgewater Park, N. J. Filament-dyeing apparatus. 1,627,059; May 3.

Neilson, Albert H. (See Moody, J. F., and Du Bois, assignors.)

Neilson, James P., sr., Tulsa, Okla. Combination releg and jack clamp. 1,626,864; May 3.

Neilson, Robert E., Tulsa, Okla. Safety hook. 1,626,865; May 3.

Neilson, Robert E., Tulsa, Okla. Safety hook. 1,626,866; May 3.

Nellensteijn, Frederik J. (See Pataky, W. C. H., and Nellensteijn.)

Nelson, Charles A., assignor to Savage Arms Corporation, Utica, N. Y. Firearm. 1,626,867; May 3.

Nelson, Charles S., Cocolalla, Idaho. Vacuum tank. 1,627,293; May 3.

Nelson, Emil A., Detroit, Mich. Self-cleaning dump body. 1,627,336; May 3.

Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Automobile wheel structure. 1,627,198; May 3.

Newdick, Norton A., assignor to The Colader Company, Columbus, Ohio. Loading machine. 1,627,247; May 3.

Newmeyer, William L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,626,688; May 3.

Newton, Albert S., Providence, R. I. Desk bumper device. 1,626,955; May 3.

Nicholas, Charles W., Tarentum, Pa., assignor to W. P. Murphy, Chicago, Ill. Uncoupling lever. 1,626,956; May 3.

Nilson, Leonard D., Wayzata, Minn. Lifting jack. 1,627,526; May 3.

Noble, Ernest E., Yale City, Okla. Oil packing for inclosed axles or shafts. 1,626,957; May 3.

Noble, William, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Boxing machine. 1,627,449; May 3.

Non-Explosive Corporation of America (New Corporation.) (See Cohn, Jacob, assignor.)

Norberg, Clifford M., Mamaroneck, N. Y. Draft control. 1,627,194; May 3.

Norden, Mortimer, New York, N. Y. Illuminated sign. 1,626,958; May 3.

Norman, Joseph T., Frederick, Md. Wagon. 1,627,109; May 3.

Norris, Charles M., Denver, Colo. Indicator. 1,627,110; May 3.

Northrup, Elmer C., San Francisco, Calif., assignor, by mesne assignments, to Sprague-Sells Corporation, Hoopeston, Ill. Nailing machine. 1,626,868; May 3.

Nyblom, Axel T., Varberg, Sweden. Dirigible headlight for automobiles. 1,627,060; May 3.

Nyborg, Niels N. T. (See Meredith, S. C., and Nyborg.)

Nydqvist, Antenor, Trollhattan, Sweden. Hydraulic power-transmission mechanism. 1,627,294; May 3.

Nye, Louis R., assignor of forty-nine per cent to W. O. Gallaway, Portland, Oreg. Table signaling device. 1,626,959; May 3.

Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Picture-transmitting system. 1,627,111; May 3.

Oakman, Erwin H., Atlanta, Ga. Attachment for autos. 1,626,746; May 3.

Obele, George, assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Stanchion. 1,627,527; May 3.

O'Donnell, Edward M., San Francisco, and D. D. Peebles, Eureka, Calif. Expansion joint for heat exchangers. 1,626,869; May 3.

Ogden, Benjamin V., Philadelphia, Pa. Switch for automobile stop lights. 1,627,061; May 3.

Ohio Brass Company, The. (See Austin, Arthur O., assignor.)

Oil Conservation Engineering Company, The. (See Brooks, Stephen H., assignor.)

Oliver, Ernon V., Portland, Oreg. Water still. 1,626,960; May 3.

Oppenheim, Charles J., jr., New York, N. Y. Bottle. Des. 72,564; May 3.

Osgood, Louis A., assignor, by mesne assignments, to International Scale Company, Dayton, Ohio. Portable scale. 1,626,961; May 3.

Osgood, Louis A., Dayton, and E. R. Wolf, Springfield, assignors to International Scale Company, Dayton, Ohio. Weighing scale. 1,626,963; May 3.

Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Obtaining colored polymerized styrol and its homologues and products obtained thereby. 1,627,195; May 3.

Oswald, Franklin L. (See Morrison, R. A., and Oswald.)

Otis, John F., Oswego, N. Y. Steam generator. 1,627,450; May 3.

Outcelt, Henry J., Warsaw, Ind. Internal-combustion engine. 1,627,403; May 3.

Outhier, Marcel, Paris, assignor to Societe Anonyme des Etablissements Kiblok, Levallois-Perret, France. Nut lock. 1,627,404; May 3.

Oven, Frank J., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Gasket. 1,626,962; May 3.

Ovren, John E., assignor of one-half to B. J. Logan, Stoughton, Wis. Transmission mechanism. 1,627,196; May 3.

Owen-Dyneto Corporation. (See Sayre, Gordon B., assignor.)

Owen, Richard L. (See Babel, E. H., and Owen.)

Owens Bottle Company, The. (See La France, Richard, assignor.)

Owens Bottle Company, The. (See Owens, Michael J., assignor.)

Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)

Owens, John L., Minneapolis, Minn. Huller and scarifier. 1,627,248; May 3.

Owens, Michael J., deceased; J. H. McNerney, J. C. Blair, and H. O. Beesch, administrators, assignors to The Owens Bottle Company, Toledo, Ohio. Apparatus for guiding and conveying hot glassware. 1,626,747; May 3.

Owens, Michael J., deceased; J. H. McNerney, J. C. Blair, and H. O. Beesch, administrators, assignors to The Owens Bottle Company, Toledo, Ohio. Bottle-transfer mechanism. 1,626,748; May 3.

Oxhandler, Leopold, Chicago, Ill. Cushioning and filler-locking flat. 1,626,870; May 3.

Pache, Auguste. (See Goulrand, R., and Pache.)

Pache, Julia, administratrix. (See Goulrand, R., and Pache.)

Packards & James Fison (Thetford) Ltd. (See Maudsley, Richard T., assignor.)

Page, Albert E., Brooklyn, assignor to Scott and Williams, Inc., New York, N. Y. Circular-knitting machine. 1,627,257; May 3.

Page, John W., Chicago, Ill. Revolving derrick. 1,627,249; May 3.

Palmer, John H., Rossland, British Columbia, Canada. Siphon. 1,627,451; May 3.

Panyard, John F., Detroit, Mich. Piston packing. 1,626,749; May 3.

Panyard, John F., Detroit, Mich. Piston packing. 1,626,750; May 3.

Parfumerie Rigaud, Inc. (See Kendall, William G., assignor.)

Parker, Harrison O., Tulsa, Okla., assignor to The Mathieson Alkali Works, New York, N. Y. Refining oils. 1,627,333; May 3.

Parker, William B., Placerville, Calif. Adjustable lip-spray nozzle. 1,627,250; May 3.

Parodi, Achille, Genoa, Italy. Apparatus for cleaning potteries and the like. 1,627,112; May 3.

Parr, Louis, Vancouver, British Columbia, Canada. Machine for straightening saws. 1,626,751; May 3.

Parts Corporation. (See Kelly, Bert F., assignor.)

Pataky, Walther C. H., The Hague, and Frederik J. Nellenstelin, Delft, Netherlands. Making fatty acids from hydrocarbons. 1,627,452; May 3.

Pathe Cinema, Anciens Etablissements Pathe Freres. (See Pénin, Emile C., assignor.)

Patrick, Benjamin H., Mount Gay, W. Va. Railroad switch. 1,626,752; May 3.

Patrick, Isaac, Jamaica, N. Y. Scissors or shears with composite blade. 1,627,197; May 3.

Paul, Joseph D., Philadelphia, Pa. Grade-crossing gate. 1,626,964; May 3.

Paul, Sydney. (See Twyman, B W. and Paul.)

Paulson, Peter L., Clinton, Minn. Fire-kindling material. 1,626,965; May 3.

Paulus, Charles L. (See Russell, H. O. and Paulus.)

Peabody, James A., Evanston, Ill., assignor to General Railway Signal Company. Control means for light signals. 1,627,453; May 3.

Pearson, George C., Youngstown, Ohio. Snubber for vehicles. 1,627,113; May 3.

Pecina, Rudolph F., and E. V. Carlson, Los Angeles, Calif. Musical string-instrument tuner. 1,626,753; May 3.

Pecker, Joseph S., assignor, by mesne assignments, to Dixie Dental Manufacturing Co., Philadelphia, Pa. Dentist's anvil. 1,626,754; May 3.

Peebles, David D. (See O'Donnell, E. M., and Peebles.)

Peebles, Thomas A., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Steam-separating apparatus for steam generators. 1,626,625; May 3.

Peerless Manufacturing Company. (See McMinn, John E., assignor.)

Peirce, John R., New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 1,626,871; May 3.

Pénin, Emile C., Joinville-le-Pont, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Film winding and unwinding device for motion-picture apparatus. 1,627,198; May 3.

Penny, Roy W., Raleigh, N. C. Hydrant. 1,627,251; May 3.

Perkins, Percy M. (See Hickman, Manuel, assignor.)

Perrault, Jules A., Lowell, Mass., and H. Lubé, Astoria, N. Y., assignors to Recreator Phonograph Corporation, Boston, Mass. Projecting apparatus. 1,627,114; May 3.

Pestourie, Pierre, Paris, France. Shock absorber. 1,626,755; May 3.

Petera, Cornelius A., Minneapolis, Minn. Lawn mower. 1,627,252; May 3.

Peterson, Oscar W., Cadillac, Mich. Artificial fishing bait. 1,627,455; May 3.

Pfeifer, Ferdinand, Springfield, assignor to The Taylor Tilting Light Company, Marysville, Ohio. Tilting headlight for automobiles and the like. 1,627,199; May 3.

Phalon, Lilian A., Rochester, N. Y. Combined tray and table. 1,627,454; May 3.

Philadelphia Dry Machinery Company. (See Wigglesworth, Harry H., assignor.)

Philip, George R., assignor to Cross Bros. Company, Northfield, Vt. Sand-blast relief carving. 1,627,456; May 3.

Pickar, Leo H., North Freedom, Wis. Folding brush. 1,627,200; May 3.

Pieper, Alphonse F., Rochester, N. Y. Dental apparatus. 1,626,689; May 3.

Pietzsch, Frank H., assignor to Railway Devices Company, St. Louis, Mo. Angle-cock holder. 1,626,690; May 3.

Pietzsch, Louis H., Coburg, Melbourne, Victoria, Australia. Liquid-dispensing apparatus. 1,627,115; May 3.

Pliblad, Eric J., Brooklyn, N. Y., assignor to R. S. Smart, Ottawa, Canada. Spring suspension device or shock absorber. 1,626,966; May 3.

Pilling, Norman B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Resistor alloy. 1,626,691; May 3.

Piver, William C., Hillside, N. J. Making an insecticide. 1,626,872; May 3.

Poetz, John C., Leonia, Idaho. Mold for concrete buildings. 1,627,116; May 3.

Pompeian Flooring Company. (See Slosser, Alger J., assignor.)

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 72,565; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 72,566; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 72,567; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 72,568; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 72,569; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Bridge arm for electric-light fixtures or similar articles. Des. 72,570; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Bridge arm for electric-light fixtures or similar articles. Des. 72,571; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Bridge arm for electric-light fixtures or similar articles. Des. 72,572; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Column for electric-light fixtures or similar articles. Des. 72,573; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Column for electric-light fixtures or similar articles. Des. 72,574; May 3.

Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Column for electric-light fixtures or similar articles. Des. 72,575; May 3.

Power Specialty Company. (See Primrose, John, assignor.)

Powers Accounting Machine Corporation. (See Lasker, W. W., and Mueller, assignors.)

Pratt & Whitney Company. (See Allen, Frederick C., assignor.)

Pratt & Whitney Company. (See Ingham, Walter E., assignor.)

Pratt & Whitney Company. (See Müller, Friederich, assignor.)

Pratt & Whitney Company. (See Tanner, Hubert D., assignor.)

Pratt, David S. (See Hedenburg, O. F., and Pratt.)

Preble, James J., Newton, and W. B. Thompson, Winchester, assignors to Spraco Painting Equipment Company, Boston, Mass. Apparatus or tool for applying coating material. 1,627,117; May 3.

Prentice, G. E., Manufacturing Company. (See Prentice, G. E., and Legat, assignors.)

Prentice, George E., Berlin, and R. C. Legat, New Britain, assignors to G. E. Prentice Manufacturing Company, New Britain, Conn. Separable fastener. 1,626,873; May 3.

Prenveille, Antoine E. M. and D. E., Oakland, Calif. Sliding grate for ovens. 1,627,405; May 3.

Prenveille, Donald E. (See Prenveille, A. E. M. and D. E.)

Preston, Marshall V., Boston, Mass. Pattern-grading machine. 1,627,062; May 3.

Pride of Petaluma Brooder Stove Company. (See Frengle, F., and Rohan.)

Primrose, John, assignor to Power Specialty Company, New York, N. Y. Oil heater and operating same. 1,626,874; May 3.

Pringle, William A., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Feeding device for computing machines. 1,627,201; May 3.

Pritchett, William H., San Diego, Calif. Automobile curtain. 1,627,457; May 3.

Pritchett, William H., San Diego, Calif. Gasoline regulator. 1,627,458; May 3.

Products Protection Corporation. (See Smith, Franklin S., assignor.)

Pro-phy-lac-tic Brush Company. (See Noble, William, assignor.)

Pro-tex Corporation, The. (See Macy, Alfred J., assignor.)

Prutton, Carl F. (See Smith, A. K., and Prutton.)

Quigan, Frank J., Brooklyn, and S. Carolin, New York, N. Y. Hand-bag accessory. 1,627,063; May 3.

Radio Corporation of America, et al. (See Semm, A., and Schaffer, assignors.)

Ragsdale, Earl J. W., Norristown, assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. 1,627,202; May 3.

Rail Joint Company, The. (See Disbrow, C. A., and Gadd, assignors.)

Railway Devices Company. (See Campbell, Sterling H., assignor.)

Railway Devices Company. (See Pietzsch, Frank H., assignor.)

Railway Metal Products Company. (See Small, Arthur E., assignor.)

Ramp Buildings Corporation. (See d'Humy, Fernand E., assignor.)

Ramsey, Clifford H., Glen Rock, N. J. Breaking roller. 1,627,339; May 3.

Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company. Grain shocker. 1,627,203; May 3.

Ranney, William C., Elbridge, N. Y. Holder and carrier for golf clubs. 1,627,459; May 3.

Rauter, Fred W., assignor to Leach Company, Oshkosh, Wis. Vehicle wheel. 1,627,406; May 3.

Rawak, George, New York, N. Y. Headlight. 1,626,626; May 3.

Rawling, Arthur, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch contact. 1,626,692; May 3.

Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf-club shaft. 1,626,967; May 3.

Recatti, Rocco, St. Louis, Mo. Toy trundle. 1,626,756; May 3.

Reckler, Laurence L., Westwood, Calif. Liquid-control means for hydraulic brakes. 1,626,968; May 3.

Recreator Phonograph Corporation. (See Antonelli, Orazio, assignor.)

Recreator Phonograph Corporation. (See Perrault, J. A., and Lubé, assignors.)

Reese, Henry W. (See Kallmeyer, Ernst, assignor.)

Reese, Issachar P. (See Troast, William F., assignor.)

Reese, Thomas S., assignor to The Di-Noc Manufacturing Company, Cleveland, Ohio. Transfer print and making the same. 1,627,407; May 3.

Reeves, George G., Shreveport, La. Outlet valve. 1,626,969; May 3.

Reiser, Alfred W., Toledo, Ohio. Electric connecter for branch circuits. 1,626,875; May 3.

Reiter, William J., et al. (See Stitt, Charles M., assignor.)

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. High-voltage electron device. 1,626,693; May 3.

Reynolds Spring Company. (See Ile, William, assignor.)

Richardson & Boynton Company. (See Gilbert, Maxwell F., assignor.)

Richey, Thompa R., Atlanta, Tex. Highway safety device. 1,626,627; May 3.

Richmond, Herbert. (See Wike, William L., assignor.)

Riddle, John, assignor to Telegraph Construction and Maintenance Company, Limited, London, England. Galvanometer and like recording instrument. 1,626,694; May 3.

Riley, Lynn G., and H. R. Meyer, Wilkinsburg, and H. H. Johnston, Edgewood Park, and J. M. van Nieukerken, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,627,340; May 3.

Ritter, Frederick D., assignor to Weatherproof Body Corporation, Corunna, Mich. Door and curtain. 1,626,757; May 3.

Roberts, Fred, Portland, Oreg. Comb for hair cutting. 1,627,408; May 3.

Roberts, William E., Kenosha, Wis. Cuff link. 1,627,460; May 3.

Robertshaw, George A., Greensburg, Pa. Fuel-control system. 1,627,341; May 3.

Robertson, Charles A., Jackson, Mich., assignor to Montgomery Ward & Company, Chicago, Ill. Governor for explosive engines. 1,627,118; May 3.

Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,627,119; May 3.

Robins, Harry M., Glen Ridge, and J. J. Higgins, East Orange, N. J., assignors to Westinghouse Lamp Company. Automatic flashing machine. 1,626,695; May 3.

Robinson, Edward A., assignor of one-half to himself and one-half to E. E. Workman, Montreal, Quebec, Canada. Connecter-head support. 1,626,696; May 3.

Robinson, Grosvenor P., Summit, and W. T. Blackwell, Westfield, N. J.; said Robinson assignor, by mesne assignments, to said Blackwell. Lighting fixture. 1,627,461; May 3.

Rodanet, Charles H. H., assignor to Société Anonyme: Etablissements Ed. Jaeger, Paris, France. Construction of speed indicators. 1,626,697; May 3.

Rodger Ballast Car Company. (See Hindahl, David, assignor.)

Roessler & Hasslacher Chemical Company, The. (See Liebknecht, Otto, assignor.)

Roessler & Hasslacher Chemical Company, The. (See Williams, Carl S., assignor.)

Rohan, Francis D. (See Frengle, F., and Rohan.)

Rohan, Francis D., et al. (See Frengle, F., and Rohan, assignors.)

Rohmer, Frank D., Lackawanna, N. Y. Combination lock. 1,627,462; May 3.

Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Feed table for sheet-feeding mechanism. 1,627,064; May 3.

Rooth, Adolf, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Voltage regulator for transformers. 1,626,970; May 3.

Rose, James A., assignor to Lowell-Wintsch Automatic Train Control, Inc., Lancaster, Pa. Method and apparatus for transmitting electric current. 1,627,409; May 3.

Rosewater, Benjamin J., Eureka Springs, Ark. Traffic sign. 1,626,876; May 3.

Ross, David E., La Fayette, Ind. Internal-combustion engine. 1,626,877; May 3.

Roth, Claude L., administrator. (See Keith, Nathaniel S.)

Rotherham, Walter S., Little Falls, N. J., assignor to Westinghouse Lamp Company. Sealing-in head for incandescent electric lamps. 1,626,628; May 3.

Rouse, George M., assignor, by mesne assignments, of one-third to E. W. Bellinger, Westmoreland, and one-third to G. M. Thomas, Utica, N. Y. Fire escape. 1,626,698; May 3.

Rowley, Raymond W., St. Louis, Mo. Plasterer's float. 1,627,410; May 3.

Royal Glass Works. (See Cantor, Ruban, assignor.)

Royal Typewriter Company. (See Myers, Lewis C., assignor.)

Ruben, Samuel, New York, N. Y. Apparatus for indicating the presence and the concentration of gases and vapors in atmosphere. 1,627,204; May 3.

Ruben, Samuel, New York, N. Y. Electron relay. 1,627,411; May 3.

Ruckert, Harry E., assignor, by mesne assignments, to Sanitary Products Corporation of America, Philadelphia, Pa. Method and apparatus for forming articles from sheet material. 1,627,412; May 3.

Rumbough, Stanley M., New York, N. Y. Cap. 1,627,065; May 3.

Runge, Richard W., assignor to Leach Company, Oshkosh, Wis. Track roller. 1,627,413; May 3.

Rupp, John L., Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa. Casing for combined battery and battery charger for radio apparatus. Des. 72,576; May 3.

Russak, Michael J., New York, N. Y. Cigarette holder. 1,627,463; May 3.

Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Electrically-operated wing-tip flare bracket. 1,627,066; May 3.

Russell, James M., Dayton, Ohio. Parachute pack. 1,627,067; May 3.

Russell, Willis W., Cincinnati, Ohio. Carton. 1,626,971; May 3.

Ryder, Hugh T. (See Matthews, H. E., Love, and Ryder.)

Rynearson, Winfield S., Edmonds, Wash. Collapsible tent support. 1,627,546; May 3.

Sabalitschka, Theodor, Berlin-Steglitz, Germany. Preserving food for men or animals. 1,627,342; May 3.

St. Onge, Asarias. (See Gingras, L. J., and St. Onge.)

Salamon, Matyas, Brooklyn, N. Y. Safe. 1,627,464; May 3.

Sanders, Albert H., Glendora, Calif. Mortar-applying device. 1,626,972; May 3.

Sandman, August G. (See Muhlfeld, J. E., and Sandman.)

Sanitary Products Corporation of America. (See Ruckert, Harry E., assignor.)

Sattler, Gustav. (See Syptroth, Emil, assignor.)

Savage Arms Corporation. (See Nelson, Charles A., assignor.)

Sauer, Johan N. A., Amsterdam, Netherlands. Process of and apparatus for treating liquids with purifying and decolorizing agents. 1,627,343; May 3.

Saunders, Edward W., St. Louis, Mo. Windshield. 1,626,758; May 3.

Sayegh, Toufik A., Central Falls, R. I. Game apparatus. 1,627,120; May 3.

Sayre, Gordon E., assignor to Owen-Dyneto Corporation, Syracuse, N. Y. Windshield wiper. 1,626,629; May 3.

Scammell China Co. (See Schnepf, Emil L., assignor.)

Schaeffer, Dorman, Helena, Mont. Toy vehicle. Des 72,577; May 3.

Schaffer, Lewis D., assignor to The State Banking & Trust Company, trustee for himself, and The Singer Manufacturing Company, Cleveland, Ohio. Bowling-pin-setting apparatus and its method of operating. 1,627,414; May 3.

Schaffer, Walter. (See Semm, A., and Schaffer.)

Schaurte, Paul, Zurich-Altstetten, Switzerland. Rotary machine. 1,626,973; May 3.

Schers, Emil. (See Schers, Louis and E.)

Schers, Louis and E., Wilkes-Barre, Pa. Eye protector. 1,627,121; May 3.

Schleferstein, Heinrich, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Radio transmission system. 1,626,699; May 3.

Schlesinger, Alex, New York, N. Y. Telephone-instrument attachment. 1,627,415; May 3.

Schmid, Edward R., Verona, N. J., assignor to Westinghouse Lamp Company. Basing cement. 1,626,700; May 3.

Schmidt, Benjamin F., South Pasadena, Calif. Gear-shift mechanism. 1,626,974; May 3.

Schmidt, Benjamin F., Los Angeles, Calif. Gear shift. 1,626,975; May 3.

Schneider, Rudolph, assignor to Busch-Sulzer Bros.-Diesel Engine Co., St. Louis, Mo. Engine bedplate. 1,626,760; May 3.

Schnepf, Emil L., assignor to Scammell China Co., Trenton, N. J. Plate. Des. 72,578; May 3.

Schnitzler, Abraham, Chelsea, Mass. Shifting jack for motor vehicles. 1,626,630; May 3.

Scholes, Richard T., Hinsdale, Ill. Tie plate. 1,626,631; May 3.

Schollhorn, William, Company, The. (See Bernard, William A., assignor.)

Schoof, Ralph T., Dodge City, Kans. Pocket postal scale. 1,626,976; May 3.

Schorr, Herman E. (See Gibson, A. R., and Schorr.)

Schuermann, Anton C. (See Mueller, P., and Schuermann.)

Schüftan, Eugen, Berlin-Wilmersdorf, Germany. Apparatus for making composite motion pictures. 1,627,295; May 3.

Schuman, Paul R., Chicago, Ill. Smoking pipe. 1,627,416; May 3.

Scott, Allen C., Omaha, Nebr. Container for shipping goods. 1,627,344; May 3.

Scott and Williams, Inc. (See Page, Albert E., assignor.)

Scott, Baxter C., Pickens, Miss. Denture. 1,626,761; May 3.

Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Relief mechanism for fuel-injection systems. 1,626,762; May 3.

Scott, Ralph B., Los Angeles, Calif. Conduit cleaner. 1,627,122; May 3.
Seaborne, Charles R., Appleton, Wis., assignor to American Lakes Paper Company, Chicago, Ill. Engraving method and apparatus. 1,627,205; May 3.
Seeman, Frederick A., assignor to Davenport Machine & Foundry Company, Davenport, Iowa. Jolt-roll-over mechanism. 1,627,348; May 3.
Seitz, Ernest O., assignor to C. M. Hall Lamp Co., Detroit, Mich. Combined tail light and stop signal. 1,626,632; May 3.
Semm, Alfred, and W. Schaffer, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, and Radio Corporation of America. Arrangement for controlling tube senders. 1,626,759; May 3.
Setzepfand, Werner, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,627,206; May 3.
Seward, Edwin C. (See Alexander, Carl Z. and E. S., assignors.)
Seymour, Charles R., assignor to M. D. Knowlton Company, Rochester, N. Y. Tube-cutting machine. 1,626,878; May 3.
Shannon, Walter N., jr., San Bernardino, Calif. Truck. 1,627,253; May 3.
Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Lock nut and making the same. 1,627,207; May 3.
Sheer, H. M. Company. (See Shuler, Andrew F., assignor.)
Sheiner, Philip, Brooklyn, assignor to Metropolitan Lamp Co. Inc., New York, N. Y. Base for a lamp. Des. 72,579; May 3.
Sherman, Vernon W., Detroit, Mich. Transfer switch. 1,627,345; May 3.
Shidler, Frank L., and R. D. Gregg, Kankakee, Ill. Appliance for finishing concrete pavements. 1,626,879; May 3.
Shinn, Frank H., Davenport, Iowa. Interleaving device. 1,627,417; May 3.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,626,880; May 3.
Shredded Wheat Company, The. (See House, Henry A., assignor.)
Shredded Wheat Company, The. (See Webster, Earl P., assignor.)
Shuler, Andrew F., Arcanum, Ohio, deceased; M. M. Shuler and W. B. Shuler, executors, assignors to H. M. Sheer Company, Quincy, Ill. Brooder. 1,627,346; May 3.
Shuler, Mary M., et al., executors. (See Shuler, Andrew F.)
Shuler, W. B., et al., executors. (See Shuler, Andrew F.)
Sibley, Tarrant, Bennington, Vt. Machine for forming fasteners. 1,626,977; May 3.
Siemens & Halske Aktiengesellschaft. (See Moeller, Max, assignor.)
Siemens & Halske Aktiengesellschaft. (See Setzepfand, Werner, assignor.)
Simko, Andrew S., Passaic, N. J. Removable half sole for shoes. 1,627,465; May 3.
Sinclair Refining Company. (See Isom, E. W., and Bell, assignors.)
Singer Manufacturing Company, The. (See Schaffer, Lewis D., assignor.)
Skinner, Frank W., West Norwood, N. J. Liquid indicator. 1,626,881; May 3.
Skitt, James H., assignor to Smith, Drum & Company, Phidadelphia, Pa. Dyeing machine. 1,627,347; May 3.
Slayton, W. L., Toledo, Ohio. Reminder for card players. 1,627,208; May 3.
Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Expansion pulley. 1,626,701; May 3.
Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)
Sleeper, Harvey P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-indicating device. 1,626,633; May 3.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrostatic radiotuner. 1,626,634; May 3.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmitter. 1,626,635; May 3.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow-discharge transmitter. 1,626,636; May 3.
Slosser, Alger J., assignor to Pompeian Flooring Company, Williamsport, Pa. Plastic composition product and producing articles of manufacture. 1,627,296; May 3.
Small, Arthur E., Oak Park, Ill., assignor, by mesne assignments, to Railway Metal Products Company. Side door for railway freight cars. 1,626,882; May 3.
Smart, Russel S. (See Pilblad, Eric J., assignor.)
Smith, Albert A. (See Gurnee, I. Q., and Smith.)
Smith, Albert K., Midland, Mich., and C. F. Prutton, East Cleveland, Ohio, assignors to The Dow Chemical Company, Midland, Mich. Treating brine. 1,627,068; May 3.
Smith, Bryan H., Berkeley, Calif. Luggage carrier. 1,626,978; May 3.
Smith, Burgess W., assignor to The Todd Company, Incorporated, Rochester, N. Y. Safety paper. 1,627,254; May 3.
Smith, Charles C. (See MacLaurin, R. D., and Smith.)
Smith, Drum & Company. (See Skitt, James H., assignor.)
Smith, Franklin S., Brooklyn, assignor to The Products Protection Corporation, New York, N. Y. Treating moldings of partially-cured phenolic condensation products. 1,627,209; May 3.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,627,123; May 3.
Smith, Julius B., assignor to The American Mills Co., Waterbury, Conn. Covered elastic thread or cord. 1,627,255; May 3.
Smith, Lawrence F., assignor of one-eighth to L. P. Larkie and one-eighth to A. Faulkner, C. C. Dale, and A. Mercer, Hasard, Ky. Coal car. 1,627,256; May 3.
Smith, Rittenhouse M., Mobile, Ala. Filing device. 1,626,883; May 3.
Smith, Rittenhouse M., Mobile, Ala. Filing device. 1,626,884; May 3.
Smith, Rittenhouse M., Mobile, Ala. Index-locking device and card attachment. 1,626,885; May 3.
Smith, Rittenhouse M., Mobile, Ala. Filing device. 1,626,886; May 3.
Smith, Rittenhouse M., Mobile, Ala. Filing device. 1,626,979; May 3.
Smith, William A., Clarkson, N. Y. Preparing food substances. 1,627,466; May 3.
Smyth, Francis G., jr., Red Bank, N. J. Playing card. Des. 72,580; May 3.
Snow, Benjamin H., Winchester, assignor to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall. 1,627,349; May 3.
Societe Anonyme des Etablissements Kiblok. (See Outhier, Marcel, assignor.)
Société Anonyme: Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for forming glass. 1,626,702; May 3.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,626,703; May 3.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming apparatus. 1,626,704; May 3.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,626,705; May 3.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,626,706; May 3.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for transferring glass articles. 1,626,707; May 3.
Spalding, A. G., & Bros. (See Reach, William F., assignor.)
Sparlin, Guy V., Tampa, Fla. Pneumatic horn. 1,627,467; May 3.
Speirs, George W. (See Bierman, H. C., and Speirs.)
Spengler, George H., assignor to F. S. V. Bogart, Rockford, Ill. Boring tool. 1,626,887; May 3.
Sperry Development Company. (See Sperry, Elmer A., assignor.)
Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Valve mechanism for combustion engines. 1,627,210; May 3.
Spraco Painting Equipment Company. (See Preble, J. J., and Thompson, assignors.)
Sprague-Sells Corporation. (See Northrup, Elmer C., assignor.)
Sproesser, William C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Getter for controlling crystal growth. 1,626,637; May 3.
Sproesser, William C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Introduction of clean-up agents into evacuated vessels. 1,626,638; May 3.
Sproesser, William C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Application of getters to electric incandescent lamps and the like. 1,626,639; May 3.
Sproesser, William C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Evacuation of bulbs and the like. 1,626,640; May 3.
Sprout, Willis F., Lebanon, Kans. Proportional dividers. 1,626,980; May 3.
Stampley, Henry E., Sibley, La. Glarechield. 1,626,981; May 3.
Standard Coupler Company. (See Goodwin, Ernest G., assignor.)
Starr, Morton H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighing machine. 1,627,124; May 3.
Starr, Robert J., Briercrest, Saskatchewan, Canada. Resilient wheel. 1,627,418; May 3.
State Banking & Trust Company, trustee, The. (See Schaffer, Lewis D., assignor.)
Stein, Harry B., Chicago, Ill. Window construction. 1,627,419; May 3.
Stein, William D. (See Block, David J., assignor.)
Steinman, Saul, Shelton, Conn. Sign holder. 1,627,350; May 3.

Stephenson, Samuel E., et al. (See Harding, Joseph G., assignor.)
Stevens, Blamey, Temascaltepec, Mexico. Hydraulically-operated diaphragm pump. 1,627,257; May 3.
Stewart, Alexander, Roselle, assignor to C. L. Constant Company, Hoboken, N. J. Treating discarded lead battery plates. 1,627,351; May 3.
Stewart, Alonso L., Rushville, Ind. Self-guiding and riding cultivator. 1,626,888; May 3.
Stewart, Anne H., Cleveland, Ohio. Base frame for primary educational work and play. 1,627,211; May 3.
Stewart, Cecelia H., Pittsburgh, Pa. Cover casing for match packages. Des. 72,581; May 3.
Stewart, Frank H., Philadelphia, Pa., assignor to L. B. Eppstein, J. Wilsin, and J. B. Gordatowski, New York, N. Y., syndicate managers of The Cum-Art Syndicate, New York, N. Y. Apparatus for building tire casings. 1,627,212; May 3.
Stickney, Burnham C., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,626,641; May 3.
Stitt, Charles M., assignor of one-third to A. McDonald, Los Angeles, and one-third to W. J. Reiter, Santa Monica, Calif. Picture. 1,627,468; May 3.
Stockstad, Harold E., Duluth, Minn. Safety hook. 1,626,642; May 3.
Stolp, Samuel S., assignor to C. B. Gillson, Chicago, Ill. Direct-current track circuit for railway signals. 1,626,643; May 3.
Stone, David, New Rochelle, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Winding machine. 1,627,213; May 3.
Stover, George H., New York, N. Y. Apparatus for handling bricks. 1,626,644; May 3.
Strachota, Clarence A., St. Paul, Minn., assignor to Liptak Fire-Brick Arch Company, Chicago, Ill. Fire-arch structure. 1,626,982; May 3.
Strack, Herman. (See Hanamann, P., and Strack.)
Streitz, George B. (See Blume, H., and Streitz.)
Struble, James F., Hutchinson, Kans. Antifreezing device. 1,626,763; May 3.
Stuart, Harve R., assignor to The Bauer-Stuart Company, Springfield, Ohio. Demonstrating device for shock absorbers and the like. 1,627,125; May 3.
Studebaker Corporation, The. (See Henry, Guy P., assignor.)
Sturm, Frank X., assignor to The Glove Corporation, Alexandria, Ind. Glove. Re16,609; May 3.
Sullivan, John J., Bridgeport, Conn. Hedge trimmer. 1,627,258; May 3.
Sullivan, Joseph H., Portage, Wis. Incandescent-electric-lamp connection. 1,626,983; May 3.
Sullivan Machinery Company. (See Clapp, Lewis J., assignor.)
Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
Sullivan Machinery Company. (See Madsen, Norman, assignor.)
Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
Sulzer Frères Société Anonyme. (See Wirth, Elias, assignor.)
Sundberg, Elizabeth L., administratrix. (See Sundberg, William.)
Sundberg, Elizabeth L., trustee. (See Sundberg, William, assignor.)
Sundberg, William, deceased, by E. L. Sundberg, administratrix, assignor to E. L. Sundberg, trustee, Chicago, Ill. Box-car-unloading apparatus. 1,626,984; May 3.
Sundstrand Corporation. (See Sundstrand, Oscar J., assignor.)
Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del. Adding and listing machine. 1,626,889; May 3.
Sun-Maid Raisin Growers of California. (See Forrest, Thomas W. W., assignor.)
Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Superior Hard Rubber Company. (See Gurnee, I. Q., and Smith, assignors.)
Surico, Carmine, assignor to Clermont Machine Co., Inc., New York, N. Y. Machine for making macaroni. 1,627,297; May 3.
Sutphen, Robert M., Newark, N. J., assignor to J. F. Booraem, Greenwich, Conn. Mural decoration. 1,627,214; May 3.
Syptroth, Emil, Schwab-Gmund, Germany, assignor to G. Sattler, New York, N. Y. Fixing artificial hair dress on natural hair. 1,627,469; May 3.
Tamini, Mario, Milan, Italy. Driving arrangement for machines installed on automobiles. 1,627,126; May 3.
Tanner, Hubert D., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear-tooth grinder. 1,626,890; May 3.
Taylor Tilting Light Company, The. (See Pfeifer, Ferdinand, assignor.)
Telegraph Construction and Maintenance Company. (See Riddle, John, assignor.)
Templeton, Walter B., Chicago, Ill. Jack. 1,626,891; May 3.
Terrell, Charles A., et al. (See Wood, Joseph E., assignor.)
Terrell, John. (See Vaughan, J. B., and Terrell.)
Thackray, George E., Westmont Borough, Pa. Bonding rails. 1,627,352; May 3.
Thermic Generating Company. (See Carter, Mitchell, assignor.)
Thomas, Albert J., Clinton, Ind. Reversible door latch and lock. 1,627,420; May 3.
Thomas, George M., Philadelphia, Pa. Constant-surface-speed talking machine. 1,627,353; May 3.
Thomas, Guy M., et al. (See Rouse, George M., assignor.)
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow-discharge transmitter. 1,626,645; May 3.
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow-discharge apparatus and operating the same. 1,626,647; May 3.
Thomas, Phillips, Edwewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow-discharge microphone. 1,626,648; May 3.
Thomas, Phillips, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow-discharge transmitter. 1,626,646; May 3.
Thomas, Thomas P. (See Marden, J. W., Thomas, and Conley.)
Thompson, George W., Pittsburgh, Pa. Pipe wrench. 1,626,985, May 3.
Thompson, James H., Hollidays Cove, W. Va. Electron-discharge device. 1,627,127; May 3.
Thompson, Wayne B. (See Preble, J. J., and Thompson.)
Thorne, Lawrence C., assignor to Frantz Manufacturing Co., Sterling, Ill. Folding door. 1,626,764; May 3.
Thorne, Victor C. (See Lehmann, Otto P. R., assignor.)
Thorsten, Thorielf, Pittsburgh, Pa. Conveyer. 1,627,354; May 3.
Tibbens, Samuel K., assignor of one-half to W. F. Martin, Harrisburg, Pa. Safety hook. 1,627,470; May 3.
Tidwell, William A., Indianapolis, Ind. Toy gun. 1,626,892; May 3.
Tiefel, Charles G., assignor to The Todd Company, Inc., Rochester, N. Y. Work-ejecting mechanism for printing apparatus. 1,626,649; May 3.
Timken Roller Bearing Company, The. (See Wallin, Philip, assignor.)
Todd Company, The. (See Smith, Burgess W.)
Todd Company, The. (See Tiefel, Charles G., assignor.)
Toledo Rem Spray Company, The. (See Hedenburg, O. F., and Pratt, assignors.)
Tompkins, John D., Valatie, N. Y. Method and apparatus for treating fibrous materials. 1,626,766; May 3.
Toombs, James M., jr., Webster Grove, Mo. Roller bearing car wheel. 1,626,765; May 3.
Towner, Heber F., Santa Ana, Calif. Disk harrow. 1,627,355; May 3.
Towner, Heber F., Santa Ana, Calif. Disk cultivator. 1,627,356; May 3.
Townley, Julian W., assignor of two-thirds to L. E. Weber, Kansas City, Mo. Electric circuit-controlling apparatus. 1,627,357; May 3.
Trallograf Company, The. (See Citron, William J., assignor.)
Traudt, William F., Buffalo, N. Y. Apparatus for cementing soles to shoe uppers. 1,627,358; May 3.
Travis, Reginald S., Union Mills, Wash. Oar lock. 1,627,128; May 3.
Trayway Mfg. Co. (See Morehouse, F. B., and Haase, assignors.)
Troast, William F., assignor to I. P. Reese, Lancaster, Pa. Sliding shackle lock. 1,627,259; May 3.
Truesdell, Arthur E., Pittsfield, Mass., assignor of one-half to Doherty Research Company, New York, N. Y. Limekiln and burning lime. 1,627,215; May 3.
Truttwin, Hans, Vienna, Austria. Metal-iodide-alkali-iodide compounds suitable for use in therapeutics and manufacturing them. 1,627,359; May 3.
Twyman, B. Wickliffe, Marysville, Mich., and S. Paul, Lima, Ohio. Automobile body-ventilating system. 1,626,893; May 3.
U. G. I. Emil H. W., New York, N. Y., assignor to West- assignor.)
Ullrich, Emil H. W., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,626,650; May 3.
U. S. Bobbin & Shuttle Company. (See Buffington, Edwin C., assignor.)
Underwood Typewriter Company. (See Becker, Fred, assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
Union Switch & Signal Company, The. (See Geiger, Paul H., assignor.)
Union Switch & Signal Company. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)

Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
Unrath, Gotthilf, Pforzheim, Germany. Apparatus for washing refuse containing precious metal. 1,627,129; May 3.
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See Egloff, G., and Howard, assignors.)
Universal Oil Products Company. (See Howard, William R., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Comay, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
Van Ess Laboratories, Inc. (See Goodall, Fred E., assignor.)
Van Essen, Pieter D., The Hague, Netherlands, and C. H. Froelich, Bethlehem, Pa. Breech mechanism. 1,626,651; May 3.
Vanhoren, Jules J. (See Appelian, H. G., and Vanhoren.)
Van Nieukerken, Jan M. (See Riley, L. G., Meyer, Johnston, and van Nieukerken.)
Varnes, Samuel K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovering glycerin from fermented molasses mash. 1,626,986; May 3.
Vaughan, James B., Lacy Springs, and J. Terrell, Taylorsville, Ala. Attachment for cultivators. 1,627,298; May 3.
Venegas, Jose P., Laredo, Tex. Key lock. 1,626,987; May 3.
Vial, Frederick K., La Grange, and G. S. Evans, Oak Park, assignors to Griffin Wheel Company, Chicago, Ill. Process of and apparatus for operating cupolas. 1,627,536; May 3.
Victor Manufacturing & Gasket Co. (See Oven, Frank J., assignor.)
Villain, Paul, London, England. Making perfumed or medicated transparent soaps. 1,626,708; May 3.
Villanueva, Gervasio B., Tondo, Manila, P. I. Combined cigarette holder and lighter. 1,626,767; May 3.
Villars, Paul A. (See McDonnell, S. P., and Villars.)
Vincent, Ernest P., New York, N. Y. Side-reading illuminated sign. 1,627,528; May 3.
Vinas, Manuel A., New York, N. Y. Handless clock. 1,626,988; May 3.
Vogler, James B., Charlotte, N. C. Rotatable display stand. 1,627,130; May 3.
Voices, Incorporated. (See Grubman, Leo J., assignor.)
Vollbrecht, Frederick A., Detroit, Mich. Electric toaster. 1,626,894; May 3.
Vollmann, Carl W., Montreal, Quebec, Canada. Rotary compressor. 1,626,768; May 3.
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Electrical welding apparatus. 1,626,769; May 3.
Vulcan Last Company, The. (See Clausing, George, assignor.)
Wade, Vernon M., A. C. Zimmerman, and S. D. Heron, Dayton, Ohio. Liquid coating composition. 1,627,069; May 3.
Wadsworth, Arthur W., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky. Dustproof guard. 1,627,471; May 3.
Wadsworth Watch Case Company, The. (See Wadsworth, Arthur W., assignor.)
Wagner, Alice M., et al. (See Wood, Joseph E., assignor.)
Walden-Worcester, Incorporated. (See Enberg, Stone R., assignor.)
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,626,989; May 3.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,626,990; May 3.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,626,895; May 3.
Wallin, Philip, assignor to The Timken Roller Bearing Company, Canton, Ohio. Taper-gauging machine. 1,627,360; May 3.
Walker, Homer F., Beaumont, Tex. Butt-cutting machine. 1,626,770; May 3.
Walker, Robert J. (See Appelian, H. G., and Vanhoren, assignors.)
Walthall, Clarence H., assignor of two-fifths to R. A. Withrow, Montgomery, W. Va. Transportation of rolling stock. 1,626,709; May 3.
Wanerman, Hyman. New York, N. Y. Liquid-refreshment holder. Des. 72,582; May 3.
Wasberg, Axel, and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Steel door. 1,627,216; May 3.
Washington, Burnett T., Williamson, W. Va. Car-truck side frame. 1,627,131; May 3.
Watkins, Joseph, Marysville, Pa. Confection mold. 1,627,421; May 3.
Watling, John B., Chicago, Ill. Vending machine. 1,626,896; May 3.
Watson, Edward P., Floral Park, N. Y. Pneumatic bumper. 1,627,472; May 3.
Watt, William E., Evanston, Ill. Air cooling and dehydrating device. 1,627,361; May 3.
Waugh Equipment Company. (See Endsley, Louis E., assignor.)
Weatherproof Body Corporation. (See Ritter, Frederick D., assignor.)
Weber, Abraham, New York, N. Y. Floor oiler. 1,626,991; May 3.
Weber Engine Company. (See Gold, Samuel B., assignor.)
Weber, Lillie B. (See Townley, Julian W., assignor.)
Webster, Earl P., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Biscuit-removal means. 1,627,362; May 3.
Webster, Earl P., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Sealing machine for cartons. 1,627,363; May 3.
Webster, Earl P., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Biscuit-removal means. 1,627,364; May 3.
Wedberg, Axel G. W., Floral Park, N. Y. Concrete construction. 1,626,897; May 3.
Weinfeld, Charles, et al., executors. (See Herskovitz, Max.)
Weintraub, Ezechiel, Neuilly-sur-Seine, France. Metallic vapor device. 1,627,070; May 3.
Welk, Nelson S., assignor to The McBee Binder Co., Athens, Ohio. Filling tray. 1,626,898; May 3.
Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)
Wells, Burling D. (See Blair, R. S., and Wells.)
Wells, Ralph J., Dayton, Ohio. Railway-track construction. 1,627,217; May 3.
Wendel, William F., Girard, Pa. Ice-cream disher. 1,627,132; May 3.
Werlitz, Arthur, Berlin, Germany. Sounding figure. 1,627,365; May 3.
Wernig, John S., Brooklyn, N. Y. Automobile bumper. 1,627,218; May 3.
West Disinfecting Company. (See Kooperstein, Louis, assignor.)
Western Electric Company. (See Hovland, Henry, assignor.)
Westinghouse Air Brake Company, The. (See Carthew, John W., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Fowler, Lester A., assignor.)
Westinghouse Air Brake Company, The. (See Livingston, Fremont P., assignor.)
Westinghouse Air Brake Company. (See Maier, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, B. O., and Horn, assignors.)
Westinghouse Electric & Manufacturing Company. (See Balph, Wilmer G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brooks, Robert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Edson, William W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Flanders, Warren B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hineline, Harris D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, G. M., and Ford, assignors.)
Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Moeller, Heinrich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Newmeyer, William L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Pilling, Norman B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawling, Arthur, assignor.)
Westinghouse Electric & Manufacturing Company. (See Riley, L. G., Meyer, Johnston, and van Nieukerken, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schieferstein, Heinrich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sleeper, Harvey P., assignor.)
Westinghouse Electric and Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ullrich, Emil H. W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westinghouse Lamp Company. (See Anderson, Homer G., assignor.)
Westinghouse Lamp Company. (See Higgins, John J., assignor.)
Westinghouse Lamp Company. (See Holden, William H. T., assignor.)
Westinghouse Lamp Company. (See Kelly, Harry D., assignor.)
Westinghouse Lamp Company. (See MacRae, Duncan, assignor.)
Westinghouse Lamp Company. (See Madden, Harry D., assignor.)
Westinghouse Lamp Company. (See Madden, H. D., and Higgins, assignors.)
Westinghouse Lamp Company. (See Marden, J. W., Thomas, and Conley, assignors.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Westinghouse Lamp Company. (See Robins, H. M., and Higgins, assignors.)
Westinghouse Lamp Company. (See Rotherham, Walter S., assignor.)
Westinghouse Lamp Company. (See Schmid, Edward R., assignor.)
Westinghouse Lamp Company. (See Sproesser, William C., assignor.)
Westinghouse Lamp Company. (See Whitmore, J. B., and Ferguson, assignors.)
Westinghouse Union Battery Company. (See Rupp, John L., assignor.)
White, Alvah C. (See Finch, Paul R., assignor.)
White, Raymond R., assignor to White Showers, Inc., Detroit, Mich. Pipe connection. 1,627,219; May 3.
White Showers, Inc. (See White, Raymond R., assignor.)
Whitehead & Kales Company. (See Henderson, George C., assignor.)
Whiting & Davis Company. (See Lynds, Fred H., assignor.)
Whitmore, James B., and J. E. Ferguson, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Hook-forming machine. 1,626,652; May 3.
Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)
Wigglesworth, Harry H., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,627,529; May 3.
Wike, William L., assignor of 51 per cent to H. Richmond, Riverside, Calif. Rotary rake. 1,627,422; May 3.
Wilcox, Charles E., Anaheim, Calif., assignor to E. C. Wilson. Pipe tongs. 1,627,260; May 3.
Wilde, Francis E. J., Meadowmere Park, assignor to Motogram Corporation, New York, N. Y. Electric sign. 1,626,899; May 3.
Wilde, Francis E. J., Meadowmere Park, assignor to Motogram Corporation, New York, N. Y. Electric-sign control. 1,626,900; May 3.
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Williams, Carl S., Woodbridge, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Testing machine. 1,627,366; May 3.
Williams, Hubert P., Hamlin, Tex. Trailer coupling. 1,626,993; May 3.
Williams, William E., Wilmette, Ill. Metal sheet used for freight-car structures. 1,626,994; May 3.
Willk, Alexandre, Paris, France. Folding powder puff. 1,626,992; May 3.
Willms, Karl D., Baltimore, Md. Snow guard. 1,626,995; May 3.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,626,653; May 3.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,626,654; May 3.
Wilson, Elihu C. (See Wilcox, Charles E., assignor.)
Wilson, James P., Norfolk, Va. Motor-meter protector. 1,627,261; May 3.
Wilson, Wylie G., Elizabeth, N. J., assignor to Loose Seat Valve Company, Dover, Del. Lifting valve. 1,627,299; May 3.
Wilsin, Jerome, et al. (See Stewart, Frank H., assignor.)
Wirth, Elias, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Absorption refrigerating machine. 1,627,071; May 3.
Wish, William E., Edgware, England. Road-vehicle lamp. 1,626,901; May 3.
Withall, Albert P., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism. 1,627,367; May 3.
Withrow, Floyd G., Grand Rapids, Mich. Carburetor-choke-valve spring. 1,627,220; May 3.
Withrow, Robert A. (See Walthall, Clarence H., assignor.)
Wolf, Elmer E. (See Osgood, L. A., and Wolf.)
Wolf, Frank, New York, N. Y. Holder for shaving-cream tubes, tooth-paste tubes, and the like. 1,626,771; May 3.
Wolf, Joseph A. (See Coffin, C. G., and Wolf.)
Wood, George E., assignor of one-half to C. R. Lamb, Wellington, New Zealand. Stop for sliding window sashes. 1,627,300; May 3.
Wood, George R., assignor to Dayton Scale Company, Dayton, Ohio. Meat slicer. 1,626,902; May 3.
Wood, Gleason, Waltham, Mass. Screw driver. 1,627,301; May 3.
Wood, Joseph E., assignor of one-fourth to C. A. Terrel and one-eighth to A. M. Wagner, Chicago, Ill. Signal light. 1,626,710; May 3.
Wood, Walter W., Canton, Ohio. Vehicle spring. 1,626,906; May 3.
Woodahl, John S., Great Falls, Montana. Elevated ash carrier. 1,627,262; May 3.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-insulating wall. 1,626,655; May 3.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-furnace heating unit. 1,626,656; May 3.
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Worden, Euclid P., Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Surface condenser. 1,626,772; May 3.
Workman, Ellison E. (See Robinson, Edward A., assignor.)
Worthington Pump and Machinery Corporation. See Jorgensen, Olav E., assignor.)
Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
Worthington Pump and Machinery Corporation. (See Worden, Euclid P., assignor.)
Wragg, Lulu M., Spokane, Wash. Windshield. 1,626,997; May 3.
Wright, John F., El Dorado, Ark. Treating impure crude oil. 1,627,072; May 3.
Wright, John W., Puyallup, Wash. Device for sorting beans. 1,627,221; May 3.
Wright, Robert S., Monot, N. Dak. Noncorroding antifreeze composition. 1,626,998; May 3.
Wright, William E., assignor to Acme Can Company, Philadelphia, Pa. Ice-cream freezer. 1,627,302; May 3.
Wyman, Charles A., Auburn, Wash. Mole trap. 1,626,903; May 3.
Wynn, John G., Madison, Wis., assignor to The Zeno Button Company, Indianapolis, Ind. Casing for coin-controlled apparatus. 1,626,999; May 3.
Yackley, George M., Avoca, Minn. Corn planter. 1,627,537; May 3.
Yeager, Roy V., Des Moines, Iowa. Structural-building floor. 1,627,000; May 3.
Yokoyama, Masaji, Setagaya-Cho, Japan. System of unifying a group of clocks. 1,627,001; May 3.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,626,657; May 3.
Yungk, Edwin L. (See Mason, T. S., and Yungk.)
Zabel, Charles, Coraopolis, Pa. Gyratory pan toy. 1,626,904; May 3.
Zeno Button Company, The. (See Wynn, John G., assignor.)
Zifferer, Lothar R., Columbia, Pa. Nutcracker. 1,626,905; May 3.
Zilbermber, Abraham, New York, N. Y. Passenger and moving-picture advertising bus. 1,627,473; May 3.
Zilliox, John, Orchard Park, N. Y. Wrench. 1,626,906; May 3.
Zimmerman, Arthur C. (See Wade, V. M., Zimmerman, and Heron.)
Zimmerman, Herman E. (See Holtom, Albert O., assignor.)
Zoelly, Heinrich, Zurich, Switzerland. Power-driven vehicle. 1,627,303; May 3.
Zuehlke, Fred H., Davenport, Wash. Harrow. 1,627,002; May 3.
Zwoyer, Ellsworth B. A., Perth Amboy, N. J., assignor to The General Fuel Briquette Corporation, New York, N. Y. Briquetting method. 1,627,222; May 3.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator pedal. L. J. Cole. 1,626,722; May 3.
Accounting machine. J. R. Peirce. 1,626,871; May 3.
Acetaldehyde and aniline, Preparing a reaction product of. S. M. Cadwell. 1,627,230; May 3.
Acid chamber, Sulphuric-. R. T. Maudsley. 1,627,043; May 3.
Acid, Manufacture of hydrocyanic. O. Liebknecht. 1,626,848; May 3.
Acid, Production of hydrocyanic. G. Bredig and E. Elöd. 1,627,144; May 3.
Acids from hydrocarbons, Making fatty. W. C. H. Pataky and F. J. Nellensteijn. 1,627,452; May 3.
Acids, Making keto and aldo aliphatic carboxylic. A. Häussler. 1,627,091; May 3.
Adapter. P. Crosley, jr. 1,627,077; May 3.
Adding and listing machine. O. J. Sundstrand. 1,626,889; May 3.
Addressing machine. J. A. Hult. 1,627,240; May 3.
Advertising device. C. Guymon. 1,627,505; May 3.
Aeroplane. J. Albessard. 1,627,004; May 3.
Aeroplane wing structure. J. V. Martin. 1,627,191; May 3.
Agricultural implement. F. Glaesener. 1,626,811; May 3.
Air cooling and dehydrating device. W. E. Watt. 1,627,361; May 3.
Aircraft. H. E. Krammer. 1,627,185; May 3.
Aircraft engine. H. E. Moorehouse. 1,627,108; May 3.
Aircraft, Safety attachment for. T. Douglas. 1,626,921; May 3.
Airships, Parachute escape for. G. H. Drabenstott. 1,626,796; May 3.
Alloy. V. Fener. 1,626,925; May 3.
Alloy, Resistor. N. B. Pilling. 1,626,691; May 3.
Alloy, Wear-resisting. B. E. Field and R. Franks. 1,626,726; May 3.
Alloys, making magnetic. V. B. Browne. 1,627,269; May 3.
Amalgamator. N. S. Keith. 1,627,181; May 3.
Amusement rides, Drive for. H. F. Maynes. 1,627,192; May 3.
Antifreeze composition, Noncorroding. R. S. Wright. 1,626,998; May 3.
Antifreezing device. J. F. Struble. 1,626,763; May 3.
Arch supporter, Instep-. W. S. Duffield. 1,626,725; May 3.
Article-handling mechanism. H. A. House. 1,627,391; May 3.
Articles from sheet metal, Method and apparatus for forming. H. E. Ruckert. 1,627,412; May 3.
Ash carrier, Elevated. J. S. Woodahll. 1,627,262; May 3.
Ash pan. R. B. Farrar. 1,627,023; May 3.
Ash tray or article of similar nature. V. Allalouf. Des. 72,540; May 3.
Automatic signal. P. C. Enns. 1,626,797; May 3.
Automobile body. D. S. Miller. Des. 72,561; May 3.
Automobile body-ventilating system. B. W. Twyman and S. Paul. 1,626,893; May 3.
Automobile bumper. J. S. Wernig. 1,627,218; May 3.
Automobile fuel tanks, Protective device for. G. G. Hearn. 1,626,822; May 3.
Automobile lock. F. C. Fisher. 1,627,081–2; May 3.
Automobile lock. O. S. Hershey. Re16,612; Apr. 26.
Automobile radiator. P. Bastien and C. S. Crawford. Des. 72,545; May 3.
Automobile rebound-checking device. C. O. Fountain. 1,627,379; May 3.
Automobile stop lights, Switch for. B. V. Ogden. 1,627,061; May 3.
Automobile torpedo. W. Dieter. 1,627,154–5; May 3.
Automobile torpedo and contact mine. W. Dieter. 1,626,794; May 3.
Automobile traffic-signaling apparatus. B. Meyrowitz. 1,627,545; May 3.
Automobile wheel structure. E. A. Nelson. 1,627,193; May 3.
Automobiles, Filling attachment for gasoline tanks of. O. Creed. 1,626,789; May 3.
Autos, Attachment for. E. H. Oakman. 1,626,746; May 3.
Bacon or ham, Preservation of. T. W. Morris. 1,627,057; May 3.
Bag: *See*—
Hand bag.
Bags, Attachment for ladies'. M. Asherman. 1,627,224; May 3.
Bagasse board and making the same. C. W. Mason. 1,627,103; May 3.
Bait, Artificial. C. H. Hughes and B. E. Kothe. 1,627,512; May 3.
Baking pan, Reenforced. A. Katzinger. 1,627,542; May 3.
Bale-tie machine. R. Hewitt. 1,627,533; May 3.
Baling press, Duplex. M. Hickman. 1,627,327; May 3.
Ball bearings, Ball retainer for. D. F. Chambers. 1,627,232; May 3.
Ball mill. P. L. Crowe. 1,627,487–8; May 3.
Ball-turning device. W. E. Ingham. 1,626,936; May 3.
Bank, Receiving. E. M. Hawkins. 1,626,933; May 3.
Bar for foundry flasks. C. H. Estes. 1,627,165; May 3.
Bathroom fixture, Combination. J. H. Balmer. Des. 72,543–44; May 3.
Battery: *See*—
Electric lantern battery.
Battery and battery charger for radio apparatus, Casing for combined. J. L. Rupp. Des. 72,576; May 3.
Battery connecter. J. O. Luthy. 1,627,442; May 3.
Battery plates, Treating discarded lead. A. Stewart. 1,627,351; May 3.
Beans, Device for sorting. J. W. Wright. 1,627,221; May 3.
Bearing or like sections, Machine for trimming the edges of. C. W. Eggenweiler and W. J. Fiegel. 1,626,924; May 3.
Bearing, Side. E. G. Goodwin. 1,627,432; May 3.
Bearings, Burnishing and refitting tool for. C. E. De Witt. 1,627,152; May 3.
Beater or mixer. O. R. Boynton. 1,627,315; May 3.
Bed or couch, Folding. O. Fichtenbaum. 1,626,801; May 3.
Bedclothes, Means or device for the retention of. S. H. Bartter. 1,627,008; May 3.
Bench motor stand, Universal. W. M. Drennon. 1,626,923; May 3.
Berries, especially Thompson seedless raisins, Apparatus for processing. T. W. W. Forrest. 1,626,806; May 3.
Bicycles, Frame for. H. G. Appelian and J. J. Vanhoren. 1,626,775; May 3.
Bin: *See*—
Sectional bin.
Biscuit-removal means. E. P. Webster. 1,627,364; May 3.
Biscuit-removal means. E. P. Webster. 1,627,364; May 3.
Bit: *See*—
Disk bit.
Blower and heater, Combination. W. A. Brown. 1,627,220; May 3.
Board: *See*—
Ironing board. Switch board.
Poster board. Toy-game board.
Boat-launching device. F. A. Antoncich. 1,626,714; May 3.
Boat-propelling mechanism. G. W. Johnston. 1,626,736; May 3.
Boat, Sectional flying. H. E. Krammer. 1,627,184; May 3.
Bobbins and the like, Balancing. J. Lock. 1,627,518; May 3.
Bobbins, Device to prevent rotation of. V. H. Jennings. 1,626,837; May 3.
Boiler: *See*—
Steam boiler.
Boilers, Iron-supporting plate for hot-water. S. C. Markatos. Re16,608; May 3.
Bolt: *See*—
Wear compensating bolt.
Bonding pin. L. H. Ayer. 1,626,909; May 3.
Boring tool. G. H. Spengler. 1,626,837; May 3.
Bottle. C. J. Oppenheim, jr. Des. 72,564; May 3.
Bottle cap, Milk-. J. M. Jordan. 1,627,036; May 3.
Bottle, Perfume. G. Grunberg. Des. 72,554; May 3.
Bottle-transfer mechanism. M. J. Owens. 1,626,748; May 3.
Bowling-pin-setting apparatus and its operating. L. D. Schaffer. 1,627,414; May 3.
Boxing machine. W. Noble. 1,627,449; May 3.
Bracket: *See*—
Flare bracket. Window bracket.
Scaffold bracket.
Bracket hanger. W. B. Dwyer. 1,627,494; May 3.
Brake: *See*—
Electric pneumatic brake. Track brake.
Brake device, Motor-vehicle. S. G. Down. 1,626,670; May 3.

Brake mechanism, Load-adjusted. C. O. Anderson. 1,627,305; May 3.
Brake-valve device. L. A. Fowler. 1,626,607; May 3.
Braking mechanism, more particularly for motor vehicles. G. R. Hoffman. 1,627,508–10; May 3.
Brakes, Liquid-control means for hydraulic. L. L. Reckler. 1,626,968; May 3.
Breaking roller. C. H. Ramsey. 1,627,389; May 3.
Breech mechanism. P. D. Van Essen. 1,626,651; May 3.
Brick machine. H. R. McCune. 1,626,619; May 3.
Brick-making machinery. A. O. Dupuy. 1,627,079; May 3.
Bricks, Apparatus for handling. G. H. Stover. 1,626,644; May 3.
Brine, Treating. A. K. Smith and C. F. Prutton. 1,627,068; May 3.
Briquetting method. E. B. A. Zwoyer. 1,627,222; May 3.
Brooder. A. F. Shuler. 1,627,346; May 3.
Brooder, Chicken. F. Frengle and F. D. Rohan. 1,627,279; May 3.
Brush. C. Grether. 1,626,816; May 3.
Brush, Folding. L. H. Pickar. 1,627,200; May 3.
Building construction and the like. F. A. Browne. 1,627,531; May 3.
Building construction, Form for. P. L. Gottschalk. 1,627,171; May 3.
Building, Storage. F. E. d'Humy. 1,626,602; May 3.
Buildings, Constructing fireproofing. L. G. Berry. 1,627,009; May 3.
Bulbs and the like, Evacuation of. W. C. Sproesser. 1,626,640; May 3.
Bumper and jack, Combined. B. K. Cox. 1,627,317; May 3.
Bumper, Pneumatic. E. P. Watson. 1,627,472; May 3.
Burner: *See*—
Gas-kindling burner. Oil burner.
Bush or plant support. M. P. Effey. 1,627,495; May 3.
Butt-cutting machine. H. F. Walker. 1,626,770; May 3.
Button. J. L. Clark. Des. 72,547; May 3.
Calcium arsenate products and making the same. W. J. Lilpfert. 1,626,942; May 3.
Camera, Card. W. L. Fish. 1,626,606; May 3.
Cap. S. M. Rumbough. 1,627,065; May 3.
Cap, Radiator. A. O. Holtom. Des. 72,556; May 3.
Car, Coal. L. F. Smith. 1,627,256; May 3.
Car construction, Articulated. J. A. Lamont. 1,626,845; May 3.
Car-door-controlling device. C. C. Farmer. 1,626,672; May 3.
Car doors, Motor system for. L. P. Hynes. 1,627,180; May 3.
Car dumper. A. F. Case. 1,627,375; May 3.
Car loader. G. Manierre. 1,626,947; May 3.
Car, Mine. V. Willoughby. 1,626,653–4; May 3.
Car, Railway dump. D. Hindahl. 1,626,825; May 3.
Car retarder, Railway-. J. P. Coleman. 1,626,920; May 3.
Car roof. C. D. Bonsall. 1,627,372–3; May 3.
Car structures, Metal sheet used for freight-. W. E. Williams. 1,626,994; May 3.
Car-truck side frame. B. T. Washington. 1,627,131; May 3.
Car underframe. T. R. Cook. 1,627,484; May 3.
Car-unloading apparatus, Box-. W. Sundberg. 1,626,984; May 3.
Car wheel, Roller-bearing. J. M. Toombs, jr. 1,626,765; May 3.
Car wheels, Apparatus for truing. R. S. Blair and B. D. Wells. 1,627,074; May 3.
Cars, Lifting mechanism for railway. L. J. Clapp. 1,627,481; May 3.
Cars, Side door for railway freight. A. E. Small. 1,626,882; May 3.
Cars, Unloader for railway. G. Manierre. 1,626,948; May 3.
Carbonaceous articles, Destructive distillation of solid. P. Dvorkovits. 1,627,321; May 3.
Carbonating apparatus and method. H. N. Kilby. 1,627,439; May 3.
Carburetor-choke-valve spring. F. G. Withrow. 1,627,220; May 3.
Card-assorting machine. M. M. Goldberg. 1,627,028; May 3.
Card players, Reminder for. W. L. Slayton. 1,627,208; May 3.
Card, Playing. F. G. Smyth, jr. Des 72,580; May 3.
Carrier: *See*—
Ash carrier. Tire carrier.
Luggage carrier.
Carton. W. W. Russell. 1,626,971; May 3.
Cartons, Sealing machine for. E. P. Webster. 1,627,363; May 3.
Case: *See*—
Shipping case.
Catheter. E. Kallmeyer. 1,626,839; May 3.
Cash register. W. H. Robertson. 1,627,119; May 3.
Cash register. B. M. Shipley. 1,626,880; May 3.
Casing for coin-controlled apparatus. J. G. Wynn. 1,626,999; May 3.
Caster, Retracting. M. W. Haslett. 1,626,819; May 3.
Casting machine. J. G. Koegle. 1,627,098; May 3.
Cement and the like, Manufacture of hydraulic. O. Gerlach. 1,627,170; May 3.
Cement, Basing. E. R. Schmid. 1,626,700; May 3.
Chain, Antiskid. C. F. Fisher. 1,627,025; May 3.
Chair. T. R. Hayes. 1,627,388; May 3.
Chimney. W. R. Gibson. 1,626,808; May 3.
Chimney. W. J. Meier. 1,627,105; May 3.
Circuit arrangement for multiplex communication. A. Meissner. 1,626,856; May 3.
Circuit breaker, Automatic. M. E. Greenway and R. W. Chambers. 1,627,029; May 3.
Cigarette holder. M. J. Russak. 1,627,463; May 3.
Cigarette holder and lighter, Combined. G. B. Villanueva. 1,626,767; May 3.
Clamp: *See*—
Form clamp.
Clamp. R. Goulrand and A. Pache. 1,627,172; May 3.
Clay tempering and expressing apparatus. W. L. Hanley, jr. 1,626,675; May 3.
Cleaner: *See*—
Conduit cleaner.
Clean-up agents into evacuated vessels, Introduction of. W. C. Sproesser. 1,626,638; May 3.
Clip: *See*—
Roofing clip.
Clock, Handless. M. A. Vinas. 1,626,988; May 3.
Clocks, System of unifying a group of. M. Yokoyama. 1,627,001; May 3.
Clothesline receiver, Self-locking. J. S. Green. 1,626,728; May 3.
Clutch. C. M. Anglemyer and W. P. Coffman. 1,627,006; May 3.
Clutch-releasing device, Safety. T. A. Bowe. 1,627,313; May 3.
Coaster wagons, Steering mechanism for. W. Ernl. 1,627,022; May 3.
Coating material, Apparatus or tool for applying. J. J. Preble, and W. B. Thompson. 1,627,117; May 3.
Cock holder, Angle-. F. H. Pietzsch. 1,626,690; May 3.
Column spacer. H. M. Forker. 1,627,026; May 3.
Coffee-urn attachment to automatically measure more than one substance simultaneously to deliver a combined uniform volume. D. M. Clark. 1,627,147; May 3.
Coils, Machine for winding resistance. E. N. Lightfoot. 1,627,188; May 3.
Colloidal adhesive composition. B. Dewey. 1,627,278; May 3.
Colter, Plow. A. Craig. 1,627,277; May 3.
Comb for hair cutting. F. Roberts. 1,627,408; May 3.
Combination lock. F. D. Rohmer. 1,627,462; May 3.
Compact holder. W. G. Kendall. 1,626,613; May 3.
Compact holder W. G. Kendall. 1,626,842; May 3.
Compacts, tablets, wafers, and the like, Machine for making. G. W. Mudd. 1,626,800; May 3.
Compressor, Rotary. C. W. Vollmann. 1,626,768; May 3.
Computing machines, Feeding device for. W. A. Pringle. 1,627,201; May 3.
Concrete buildings, Mold for. J. C. Poetz. 1,627,116; May 3.
Concrete construction. A. G. W. Wedberg. 1,626,897; May 3.
Concrete mixer, Continuous automatic. M. F. Horst. 1,626,830; May 3.
Concentrator. J. B. Dodds. 1,627,157; May 3.
Condenser. R. E. Marbury. 1,626,684; May 3.
Condenser and cooler. H. F. Hollister. 1,626,733; May 3.
Condenser, Surface. P. A. Bangel. 1,627,265; May 3.
Condenser, Surface. E. P. Worden. 1,626,772; May 3.
Condensing apparatus. C. E. Lucke. 1,626,849–50; May 3.
Conduit cleaner. R. B. Scott. 1,627,122; May 3.
Conduits or pipes, Bender for light-gauge. E. H. Henderson. 1,627,034; May 3.
Confection mold. J. Watkins. 1,627,421; May 3.
Connecter-head support. E. A. Robinson. 1,626,696; May 3.
Container. C. C. Grogg. 1,626,930; May 3.
Container. J. Kaufman. 1,626,840; May 3.
Container. T. S. Mason and E. L. Yungk. 1,627,042; May 3.
Containers, Making. A. Katzinger. 1,627,540; May 3.
Control apparatus. B. O. Austin and W. G. Horn. 1,626,659; May 3.
Control apparatus. L. G. Riley, H. R. Meyer, H. H. Johnston, and J. M. van Nieukerken. 1,627,340; May 3.
Conveyer. T. Thorsten. 1,627,354; May 3.
Conveying apparatus. R. La France. 1,626,738; May 3.
Cooker, Steam-pressure. F. W. Allen. 1,627,005; May 3.
Cooking utensil. H. E. Larsen. 1,627,187; May 3.
Cooling and dispensing apparatus, Beverage. F. W. Holderle and C. L. Holderle. 1,626,935; May 3.
Cooling and ventilating, Method of and apparatus for. L. L. Lewis. Re16,611; May 3.
Cord connecter. W. Ile. 1,627,286; May 3.
Corn-snapping mechanisms, Clearing device for. C. Dueker. 1,627,021; May 3.
Coupling: *See*—
Hose coupling. Slip-joint coupling.
Pipe coupling. Trailer coupling.
Covered pan. A. Katzinger. 1,627,541; May 3.
Cream, Skin. F. E. Goodall. 1,626,814; May 3.
Crossing gate, Grade-. J. D. Paul. 1,626,964; May 3.

Crushing and grinding machine. A. C. Hamey. 1,627,506; May 3.
Crystal growth, Getter for controlling. W. C. Sproesser. 1,626,637; May 3.
Cuff link. W. E. Roberts. 1,627,460; May 3.
Culinary apparatus. C. F. Downs. 1,626,922; May 3.
Culinary utensil. L. D. Hubbard. 1,627,285; May 3.
Cultivator, Disk. H. F. Towner. 1,627,356; May 3.
Cultivator, Self guiding and riding. A. L. Stewart. 1,626,888; May 3.
Cultivators, Attachment for. J. B. Vaughan and J. Terrell. 1,627,298; May 3.
Cupolas, Process of and apparatus for operating. F. K. Vial and G. S. Evans. 1,627,536; May 3.
Current meter. C. H. Au. 1,626,715; May 3.
Currier and oiler, Automatic. E. Larson. 1,627,516; May 3.
Curtain, Automobile. W. H. Pritchett. 1,627,457; May 3.
Cushioning and filler-locking flat. L. Oxbandler. 1,626,870; May 3.
Cutter, mill, or the like. F. O. Carlson. 1,626,598; May 3.
Cylinder cap, Ammonia. H. C. Bierman and G. W. Speirs. 1,627,371; May 3.
Cylinders and the like, Rope or belt drive for drying. G. Dod. 1,627,018; May 3.
Damper, Stovepipe. J. Cowie. 1,627,013; May 3.
Decoration, Mural. R. M. Sutphen. 1,627,214; May 3.
Dental apparatus. A. F. Pieper. 1,626,689; May 3.
Dental attachments, Making. H. E. S. Chayes. 1,626,720; May 3.
Dentist's anvil. J. S. Pecker. 1,626,754; May 3.
Denture. B. C. Scott. 1,626,761; May 3.
Derail, Portable. S. W. Hayes. 1,627,092; May 3.
Derrick, Revolving. J. W. Page. 1,627,249; May 3.
Desk bumper device. A. S. Newton. 1,626,955; May 3.
Detector and controlling the same. E. L. Chaffee. 1,627,231; May 3.
Detersive compound. J. F. Moseley. 1,627,446; May 3.
Diaphragm device, Flexible. C. C. Farmer. 1,626,673; May 3.
Dice shaking or throwing device. W. H. Droge. 1,627,492; May 3.
Differential. C. Andrade, jr. 1,626,907; May 3.
Dish, Paper. A. Moore. 1,627,050–1; May 3.
Disk bit, Central-shank-reaming. F. W. Hild. 1,627,179; May 3.
Dispensing device. G. T. Lyons. 1,626,943; May 3.
Display sample device. F. J. Garrety. 1,627,281; May 3.
Display stand. H. Ackeret. 1,626,711; May 3.
Display stand, Rotatable. J. B. Vogler. 1,627,130; May 3.
Doll head. R. A. Hopf. 1,627,511; May 3.
Door and curtain. F. D. Ritter. 1,626,757; May 3.
Door bumper. H. C. Maise. 1,627,190; May 3.
Door, Folding. L. C. Thorne. 1,626,764; May 3.
Door holder. L. J. Gingras and A. St. Onge. 1,626,810; May 3.
Door-latching device, Car-. G. A. Hull. 1,626,834; May 3.
Door, Steel. A. Washberg and W. W. Darrow. 1,627,216; May 3.
Doors, Finger guard for foldable bus. C. J. Kuhn. 1,626,844; May 3.
Doors, Hinge for. C. V. Hill. 1,627,329; May 3.
Draft control. C. M. Norberg. 1,627,194; May 3.
Drilling apparatus. F. A. Halleck. 1,627,539; May 3.
Drilling apparatus. N. Madsen. 1,627,291; May 3.
Dry cell. G. M. Little and J. G. Ford. 1,627,334; May 3.
Drying machine. H. H. Wigglesworth. 1,627,529; May 3.
Dump body, Self-cleaning. E. A. Nelson. 1,627,336; May 3.
Dust cap and lock nut, Combination. A. T. Christian. 1,627,480; May 3.
Dust-cap construction. A. E. Bronson. 1,627,374; May 3.
Dust collector. A. F. Mangold. 1,626,852; May 3.
Dustproof guard. A. W. Wadsworth. 1,627,471; May 3.
Dyeing machine. J. H. Skitt. 1,627,347; May 3.
Easel, Display. G. H. Alles. 1,627,133; May 3.
Educational work and play, Base frame for primary. A. H. Stewart. 1,627,211; May 3.
Egg beater. O. R. Boynton. 1,627,314; May 3.
Egg preserver. H. Bogan. 1,627,141; May 3.
Electric-circuit-controlling apparatus. J. W. Townley. 1,627,357; May 3.
Electric condenser. W. Dubilier. 1,627,493; May 3.
Electric connecter. J. Berg. 1,627,306; May 3.
Electric connecter for branch circuits. A. W. Reiser. 1,626,875; May 3.
Electric current, Method and apparatus for transmitting. J. A. Rose. 1,627,409; May 3.
Electric-light fixtures or similar articles, Bridge arm for. F. M. Poritz. Des. 72,570–2; May 3.
Electric-light fixtures or similar articles, Column for. F. M. Poritz. Des. 72,573–5; May 3.
Electric socket structure. M. Herskovitz. 1,627,238; May 3.
Electric switch. C. E. Anderson. 1,627,304; May 3.
Electric toaster. F. A. Vollbrecht. 1,626,894; May 3.
Electrical conductor with reenforcing core. A. O. Austin. 1,626,776; May 3.
Electrical relay. R. M. Gilson. 1,627,322; May 3.
Electrical relay. L. O. Grondahl. 1,626,931; May 3.
Electrical switch. J. Dominiczak. 1,627,158; May 3.
Electrical transmitter. H. C. Ford. 1,627,168; May 3.
Electrode to be applied to the human body and making same. E. Last. 1,626,617; May 3.
Electron device, High-voltage. H. C. Rentschler. 1,626,693; May 3.
Electron-discharge device. J. H. Thompson. 1,627,127; May 3.
Electropneumatic brake. C. C. Farmer. 1,626,605; May 3.
Elevators, Floor selector for. J. Dunlop and J. F. Clancy. 1,627,320; May 3.
Engine: *See*—
Aircraft engine. Internal-combustion engine.
Engine bedplate. R. Schneider. 1,626,760; May 3.
Engine operation, Steam-. V. Z. Caracristi. 1,627,075; May 3.
Engine, particularly steam engine, Gas or vapor. C. L. Cook. 1,627,427; May 3.
Engines, air compressors, or the like, Bearing for. J. E. Harris. 1,627,031; May 3.
Engines, Auxiliary-charge-forming means for internal-combustion. A. J. P. Bertschy. 1,627,139; May 3.
Engines, Fuel-mixing device for internal-combustion. J. L. Fay. 1,626,798; May 3.
Engines, Governor for explosive. C. A. Robertson. 1,627,118; May 3.
Engines, Heat control for internal-combustion. J. R. Francis. 1,626,727; May 3.
Engines, Piston for internal-combustion. O. E. Jorgensen. 1,626,838; May 3.
Engines, Timer for internal-combustion. S. P. McDonnell and P. A. Villars. 1,627,520; May 3.
Engines, Valve mechanism for combustion. E. A. Sperry. 1,627,210; May 3.
Engraving method and apparatus. C. R. Seaborne. 1,627,205; May 3.
Envelopes, Apparatus for lining. G. E. P. Collins. 1,627,149; May 3.
Eye protector. L. and E. Schers. 1,627,121; May 3.
Fabric, Printed. W. H. Adams. Des. 72,539; May 3
Fastener, Separable. G. E. Prentice and R. C. Legat. 1,626,873; May 3.
Fasteners, Machine for forming. T. Sibley. 1,626,977; May 3.
Faucet, Pedal-actuated. G. O. Dougherty. 1,627,020; May 3.
Feed means, Safety. W. Doellner. 1,627,491; May 3.
Fencepost. U. Myer. 1,626,862; May 3.
Fiber bunches by the web process, Loosening parallel. A. Kämpf and K. Grünewälder. 1,627,037; May 3.
Fibrous materials, Method and apparatus for treating. J. D. Tompkins. 1,626,706; May 3.
Fibrous pulp, Apparatus for the manufacture of hollow bodies from. R. Lechthaler. 1,626,847; May 3.
Filament-dyeing apparatus. S. A. Neidich. 1,627,059; May 3.
Filing and indexing apparatus. I. Beckett. 1,626,661; May 3.
Filing device. R. M. Smith. 1,626,883–4; May 3.
Filing device. R. M. Smith. 1,626,886; May 3.
Filing device. R. M. Smith. 1,626,979; May 3.
Fire-arch structure. C. A. Strachota. 1,626,982; May 3.
Firearm. C. A. Nelson. 1,626,867; May 3.
Fire escape. G. M. Rouse. 1,626,698; May 3.
Fire extinguisher, Portable. F. E. Krauss. 1,627,039; May 3.
Fire extinguishers or similar articles, Pump handle for. C. Brown. Des. 72,546; May 3.
Fire-kindling material. P. L. Paulson. 1,626,965; May 3.
Fish lures, Controller for. J. A. Dienner and A. C. Mabee. 1,627,078; May 3.
Fishing bait, Artificial. O. W. Peterson. 1,627,455; May 3.
Fishing rods, Line-drying attachment for. L. Kraemer. 1,627,514; May 3.
Fishing tool. G. N. King. 1,626,843; May 3.
Flag holder for automobile radiators. R. G. Archer, sr., and R. G., jr. Des. 72,542; May 3.
Flare bracket, Electrically-operated wing-tip. H. O. Russell and C. L. Paulus. 1,627,066; May 3.
Flashing machine, Automatic. H. M. Robins and J. J. Higgins. 1,626,695; May 3.
Floor oiler. A. Weber. 1,626,991; May 3.
Floor-polishing machine. E. E. Lockwood. 1,626,742; May 3.
Floor, Structural building. R. V. Yeager. 1,627,000; May 3.
Flotation machines, Oil feeder for. A. C. Daman. 1,627,014; May 3.
Flour improver and manufacture. D. J. Block. 1,626,910; May 3.
Flow meter. J. M. Dayton. 1,627,234; May 3.
Fluid-straining apparatus. J. D. Lalor. 1,627,186; May 3.
Flying machine. C. Dornier. 1,627,019; May 3.
Folding delivery. H. P. Clauberg. 1,626,600; May 3.
Food for men or animals, Preserving. T. Sabalitschka. 1,627,342; May 3.
Food substances, Preparing. W. A. Smith. 1,627,466; May 3.
Footwear case. K. L. Drummond. Des. 72,550; May 3.
Form clamp. W. C. Giggal. 1,627,085; May 3.

Fountain: *See*—
Poultry fountain.
Frame: *See*—
Car-truck side frame.
Frequency-changing aggregate. R. E. Hellmund. 1,627,326; May 3.
Frequency-controlling system. C. S. Demarest and M. L. Almquist. 1,626,724; May 3.
Fruit-grading machine. A. H. McIntyre. 1,627,246; May 3.
Fuel-control system. G. A. Robertshaw. 1,627,341; May 3.
Fuel-injection systems, Relief mechanism for. P. L. Scott. 1,626,762; May 3.
Fuel mixtures, Homogenizing fluid-. W. A. Edwards. 1,627,161; May 3.
Funnel, Filter. K. G. Fraser. 1,627,083; May 3.
Furnace: *See*—
Open-hearth furnace. Retort furnace.
Furnace wall. B. H. Snow. 1,627,349; May 3.
Furniture, Antifriction tip for. F. Macey. 1,626,946; May 3.
Galvanometer and like recording instrument. J. Riddle. 1,626,694; May 3.
Game. J. J. Goldthorpe. 1,627,501; May 3.
Game. C. W. Grant. 1,627,087; May 3.
Game apparatus. T. A. Sayegh. 1,627,120; May 3.
Game, Indoor. J. S. Littleford, jr. 1,627,517; May 3.
Garbage reduction. R. D. MacLaurin and C. C. Smith. 1,626,853; May 3.
Gas, Activation by means of hydrogen-free carbon-bearing. J. W. Marden, T. P. Thomas, and J. E. Conley. 1,626,685; May 3.
Gas cut-off, Compensating. L. Hill. 1,626,609; May 3.
Gas-kindling burner. G. Hammer. 1,627,386; May 3.
Gas-main stopper. P. Goodman. 1,627,502; May 3.
Gas meters, Resetting device for. E. A. Kerstein. 1,627,183; May 3.
Gas, Purifying illuminating. E. J. Brady. 1,626,664; May 3.
Gases and vapors in atmosphere, Apparatus for indicating the presence and the concentration of. S. Ruben. 1,627,204; May 3.
Gaseous currents, Silencer for. A. H. Green. 1,627,324; May 3.
Gasket. P. J. Fitzgerald. 1,627,167; May 3.
Gasket. F. J. Oven. 1,626,962; May 3.
Gasoline regulator. W. H. Pritchett. 1,627,458; May 3.
Gate: *See*—
Crossing gate.
Gauge: *See*—
Limit gauge. Test gauge.
Liquid-level gauge.
Gear and installing same, Draft. E. G. Goodwin. 1,627,483; May 3.
Gear, Draft. L. E. Endsley. 1,627,378; May 3.
Gear shift. B. F. Schmidt. 1,626,975; May 3.
Gear-shift mechanism. B. F. Schmidt. 1,626,974; May 3.
Gears, Machine for cutting. E. C. Head. 1,626,821; May 3.
Gears, Pair of. E. C. Head. 1,626,820; May 3.
Gearing, Variable transmission. K. D. James. 1,626,611; May 3.
Generator: *See*—
Steam generator.
Getter and applying the same. D. MacRae. 1,626,682; May 3.
Glareshield. H. E. Stampley. 1,626,981; May 3.
Glass, Apparatus for forming. L. D. Soubier. 1,626,702; May 3.
Glass articles, Apparatus for transferring. L. D. Soubier. 1,626,707; May 3.
Glass articles, Machine for deforming. H. D. Madden. 1,626,688; May 3.
Glass articles, Method and apparatus for fire-finishing. J. M. Lents and F. R. Miller. 1,626,739; May 3.
Glass feeder. L. D. Soubier. 1,626,705–6; May 3.
Glass, Forming charges of molten. R. La France. 1,626,737; May 3.
Glass-forming machine. L. D. Soubier. 1,626,703–4; May 3.
Glass-rod-cutting machine. H. D. Madden and J. J. Higgins. 1,626,851; May 3.
Glassware, Apparatus for guiding and conveying hot. M. J. Owens. 1,626,747. May 3.
Glassware, Method and apparatus for forming. E. Danner. 1,627,426; May 3.
Glove. P. Lampros. 1,626,846; May 3.
Glove. F. X. Sturm. Re16,609; May 3.
Glow-discharge apparatus and operating the same. P. Thomas. 1,626,647; May 3.
Glycerin from fermented molasses mash and apparatus therefor, Recovering. J. W. Lawrie. 1,627,040; May 3.
Glycerin from fermented molasses mash, Recovering. S. K. Varnes. 1,626,986; May 3.
Golf-club shaft. W. F. Reach. 1,626,967; May 3.
Golf clubs, Holder and carrier for. W. C. Ranney. 1,627,459; May 3.
Golf tee. R. J. Copeland. 1,627,012; May 3.
Golf-tee holder. R. S. Breed. 1,627,145; May 3.
Grain-feeding device. A. J. Hartley. 1,626,608; May 3.
Grain shocker. C. C. Kellogg. 1,626,612; May 3.
Grinder, Gear. M. Maag. 1,626,944–5; May 3.
Grinder, Gear-tooth. H. Tanner. 1,626,890; May 3.
Gun-fire control, System of and apparatus for. E. M. Hewlett and W. W. Willard. 1,626,824; May 3.
Guys and the like, Guard for. F. N. Bierce. 1,627,423; May 3.
Gyroscope-erecting systems, Control of. F. G. Henry. 1,627,178; May 3.
Hairdress on natural hair, Fixing artificial. E. Syptroth. 1,627,469; May 3.
Hand bag. E. Elias. 1,627,496; May 3.
Hand-bag accessory. F. J. Quigan and S. Carolin. 1,627,063; May 3.
Handle: *See*—
Tool handle.
Hanger: *See*—
Bracket hanger. Pulley-block hanger.
Harrow. F. H. Zuehlke. 1,627,002; May 3.
Harrow, Disk. H. F. Towner. 1,627,355; May 3.
Harrows, Hand lift for. R. M. De Rosa. 1,626,703; May 3.
Harvester, Onion. J. C. Larsen. 1,627,289; May 3.
Headlight. G. Rawak. 1,626,626; May 3.
Headlight for automobiles and the like, Tilting. F. Pfeifer. 1,627,199; May 3.
Headlight for automobiles, Dirigible. A. T. Nyblom. 1,627,060; May 3.
Headlight lens. A. R. Gibson and H. E. Schorr. 1,627,498; May 3.
Heat exchangers, Expansion joint for. E. M. O'Donnell and D. D. Peebles. 1,626,869; May 3.
Heater: *See*—
Water heater.
Heater. H. V. Deemar. 1,627,235; May 3.
Heater. M. F. Gilbert. 1,627,086; May 3.
Heater. J. E. McMinn. Des. 72,560; May 3.
Heating unit, Electric-furnace. J. C. Woodson. 1,626,656; May 3.
Hedge trimmer. J. J. Sullivan. 1,627,258; May 3.
High-potential conductor. A. O. Austin. 1,626,777; May 3.
Highway safety device. T. R. Richey. 1,626,627; May 3.
Hinge. T. H. Costello. 1,627,274; May 3.
Hinge, Friction. T. H. Costello. 1,627,275; May 3.
Holder for shaving-cream tubes, tooth-paste tubes, and the like. F. Wolf. 1,626,771; May 3.
Hook: *See*—
Safety hook.
Hook-forming machine. J. B. Whitmore and J. E. Ferguson. 1,626,652; May 3.
Horn, Pneumatic. G. V. Sparlin. 1,627,467; May 3.
Hose coupling. A. H. Handlan, jr. 1,626,729; May 3.
Huller and scarifier. J. L. Owens. 1,627,248; May 3.
Humidifier. S. W. Cramer and W. B. Hodge. 1,626,666–8; May 3.
Hydrant. R. W. Penny. 1,627,251; May 3.
Hydrocarbon, Process and apparatus for treating. W. R. Howard. 1,627,436; May 3.
Hydrocarbon vapors, Process of and apparatus for condensing, treating, and washing. C. L. Freeland. 1,627,431; May 3.
Hydrogen peroxide, Making a stable. A. L. Halvorsen. 1,627,325; May 3.
Ice-cream container, Brick-. C. Binder. 1,627,424; May 3.
Ice-cream disher. W. F. Wendel. 1,627,132; May 3.
Ice-cream freezer. W. H. Wright. 1,627,302; May 3.
Illuminating means. G. T. Kirby and H. I. Day. 1,626,615; May 3.
Implement for cutting and opening pasteboard boxes. A. D. Forry. 1,626,806; May 3.
Inclinometer. E. F. Arnold. 1,627,136; May 3.
Index-locking device and card attachment. R. M. Smith. 1,626,885; May 3.
Indicator: *See*—
Liquid indicator. Liquid-level indicator.
Indicator. C. M. Norris. 1,627,110; May 3.
Induction motor. H. Moeller. 1,626,622; May 3.
Inlets, Plug for lubricant. C. G. Coffin and J. A. Wolf. 1,627,373; May 3.
Insecticide composition. O. F. Hedenburg and D. S. Pratt. 1,627,389; May 3.
Insecticide, Making an. W. C. Piver. 1,626,872; May 3.
Inserting and welding machine, Combination. J. J. Higgins. 1,626,678; May 3.
Instrument attachment. A. Halpin. 1,627,089; May 3.
Insulating wall, Heat-. J. C. Woodson. 1,626,655; May 3.
Interdental spaces, Cleaning. H. Munro. 1,627,525; May 3.
Interleaving device. F. H. Shinn. 1,627,417; May 3.
Internal-combustion engine. L. Dyck. 1,627,160; May 3.
Internal-combustion engine. S. B. Gold. 1,627,532; May 3.
Internal-combustion engine. H. J. Outcelt. 1,627,403; May 3.
Internal-combustion engine. D. E. Ross. 1,626,877; May 3.
Internal-combustion engine, Reversible. F. T. Cable. 1,627,316; May 3.
Iron: *See*—
Reeling iron. Soldering iron.
Ironing board. R. A. Morrison and F. L. Oswald. 1,626,624; May 3.

Jack; *See*—
Lifting jack.
Jack. W. B. Templeton. 1,626,891; May 3.
Joist form. W. F. Hedberg. 1,626,823; May 3.
Joit-roll-over mechanism. F. A. Seeman. 1,627,348; May 3.
Key lock. J. P. Venegas. 1,626,987; May 3.
Knee-protecting device. B. Gamino. 1,627,497; May 3.
Knitting machine, Circular-. A. E. Page. 1,627,337; May 3.
Knitting machines, Thread-feeding attachment for. E. J. Lottman. 1,627,534; May 3.
Lactose, Manufacturing. S. C. Meredith and N. N. T. Nyborg. 1,626,857; May 3.
Lamp, Base for a. P. Sheiner. Des. 72,579; May 3.
Lamp base or similar article. F. M. Porits. Des. 72,565–9; May 3.
Lamp catch. F. L. Bamford. 1,626,593; May 3.
Lamp connection, Incandescent electric-. J. H. Sullivan. 1,626,983; May 3.
Lamp-making machine. H. D. Kelly. 1,626,679; May 3.
Lamp, Road-vehicle. W. E. Wish. 1,626,901; May 3.
Lamps and method of making, Stem for incandescent. J. J. Higgins. 1,626,677; May 3.
Lamps and the like, Application of getters to electric incandescent. W. C. Sproesser. 1,626,639; May 3.
Lamps, Feeding means for arc. T. Hall. 1,626,932; May 3.
Lamps, Manufacture of incandescent. H. G. Anderson. 1,626,658; May 3.
Lamps, Sealing-in head for incandescent electric. W. S. Rotherham. 1,626,628; May 3.
Landscape, Representing cascades in. J. A. Burnham. 1,627,270; May 3.
Lantern battery, Electric. F. T. Baird. 1,627,264; May 3.
Lard, butter, or margarine, Apparatus for cutting. M. Baker. 1,627,007; May 3.
Last. G. Clausing. 1,627,272; May 3.
Latch and lock, Reversible door. A. J. Thomas. 1,627,420; May 3.
Latch, Sash. E. H. Boone and J. W. Cook. 1,627,478; May 3.
Lavatory. G. I. Barbour. 1,627,475; May 3.
Lavatory. D. E. Gulick. 1,627,504; May 3.
Lens for identification, Marking fused bifocal. G. A. Clement. 1,627,148; May 3.
Lens mounting for oculists and opticians, Trial-. G. S. Crampton. 1,626,669; May 3.
Leveling device. J. C. Hansen, jr. 1,627,175; May 3.
Lever, Uncoupling. C. M. Goldinger. 1,626,929; May 3.
Lever, Uncoupling. C. W. Nicholas. 1,626,956; May 3.
Lifter; *See*—
Vine lifter.
Lifting jack. L. D. Nilson. 1,627,526; May 3.
Light; *See*—
Signal light.
Light-control system. E. W. Archer. 1,627,474; May 3.
Lighting fixture. G. P. Robinson and W. T. Blackwell. 1,627,461; May 3.
Limekiln and method of burning lime. A. E. Truesdell. 1,627,215; May 3.
Limit gauge, Adjustable. A. J. C. Brookes. 1,627,146; May 3.
Liquid coating composition. V. M. Wade, A. C. Zimmerman, and S. D. Heron. 1,627,069; May 3.
Liquid-dispensing apparatus. L. H. Pietzsch. 1,627,115; May 3.
Liquid-fuel combustion apparatus. J. Good. 1,626,813; May 3.
Liquid indicator. F. W. Skinner. 1,626,881; May 3.
Liquid-level gauge, Self-locking. R. L. Morris. 1,627,056; May 3.
Liquid-level indicator. W. A. McRae. 1,626,686; May 3.
Liquid-refreshment holder. H. Wanerman. Des. 72,582; May 3.
Liquids with purifying and decolorizing agents, Process of and apparatus for treating. J. N. A. Sauer. 1,627,343; May 3.
Loading machine. W. D. Cooper. 1,627,485; May 3.
Loading machine. N. A. Newdick. 1,627,247; May 3.
Lock; *See*—
Automobile lock. Nut lock.
Combination lock. Oar lock.
Key lock. Sliding-shackle lock.
Lock nut and making the same. W. E. Sharp. 1,627,207; May 3.
Locks, Automatic releasing mechanism for. A. J. Macy. 1,627,189; May 3.
Locomotive, Internal-combustion. S. M. Bäckström. 1,627,226; May 3.
Locomotive, Steam. J. E. Muhlfeld and A. G. Sandman. 1,627,402; May 3.
Looms, Box-operating mechanism for. W. Crutchlow. 1,626,723; May 3.
Looms of more than one shuttle, Weft-replenishing mechanism for. E. A. Blackston. 1,627,310; May 3.
Loud speaker. J. W. MacDow. Des. 72,559; May 3.
Loud-speaker diaphragm, Cone. W. H. Martin. 1,626,743; May 3.
Lubricating spring, Self-. J. B. Leighton. 1,626,740; May 3.
Luggage carrier. B. H. Smith. 1,626,978; May 3.
Macaroni, Machine for making. C. Surico. 1,627,297; May 3.
Machine for separating and feeding blanks. W. W. Davidson. 1,627,015; May 3.
Machines installed on automobiles, Driving arrangement for. M. Tamini. 1,627,126; May 3.
Magnet. P. MacGahan. 1,626,681; May 3.
Map rack. T. H. Costello. 1,627,276; May 3.
Mask, Face. A. K. Morris. 1,627,523; May 3.
Match packages, Cover casing for. C. H. Stewart. Des. 72,561; May 3.
Matrix cavities, Machine for clearing. H. R. Hochuli. 1,627,093; May 3.
Measuring instrument. M. Moeller. 1,627,106; May 3.
Meat slicer. G. E. Wood. 1,626,902; May 3.
Mechanism reversible with backlash error. R. M. Galloway. 1,627,236; May 3.
Mesh machine. F. H. Lynds. 1,627,397; May 3.
Metal-iodide-alkali-iodide compounds suitable for use in therapeutics and manufacturing them. H. Truttwin. 1,627,359; May 3.
Metal-working machine. B. M. W. Hanson. 1,627,090; May 3.
Meter; *See*—
Current meter. Radiophone meter.
Flow meter.
Microphone, Glow-discharge. P. Thomas. 1,626,648; May 3.
Milk and making same, Condensed. J. R. Hatmaker. 1,626,818; May 3.
Milk-can rack. D. T. Fellenbaum. 1,627,080; May 3.
Mill; *See*—
Ball mill.
Mills, Device for use with routing. E. G. Deye and H. F. Haverbusch. 1,627,153; May 3.
Milling machine. F. C. Allen. 1,626,590; May 3.
Mirror mounting. C. M. Lee. 1,627,395; May 3.
Mirror support, Rear-view-. B. F. Kelly. 1,626,938; May 3.
Mitt, Utensil. K. L. Drummond. Des. 72,551; May 3.
Mixer; *See*—
Concrete mixer.
Mixing device. M. B. Lloyd. 1,626,741; May 3.
Mold; *See*—
Confection mold.
Moldings of partially-cured phenolic condensation product, Treating. F. S. Smith. 1,627,209; May 3.
Mole trap. C. A. Wyman. 1,626,903; May 3.
Mop wringer. H. E. Gothberg. 1,627,383; May 3.
Mortar-applying device. A. H. Sanders. 1,626,972; May 3.
Motor; *See*—
Induction motor. Squirrel-cage motor.
Motor. C. Lecrenier. 1,627,100; May 3.
Motor construction, Thermal gasifying. G. J. Burns. 1,626,783; May 3.
Motor-meter protector. J. P. Wilson. 1,627,261; May 3.
Mower, Lawn. C. A. Peters. 1,627,252; May 3.
Muffler cut-out. F. A. Armstrong. 1,626,908; May 3.
Musical instrument, Pneumatically-operated. W. C. Collignon. 1,627,011; May 3.
Musical string-instrument tuner. R. F. Pecina and E. V. Carlson. 1,626,753; May 3.
Nailing machine. E. C. Northrup. 1,626,868; May 3.
Necktie holder. A. Kaufmann. 1,626,937; May 3.
Nozzle, Adjustable lip-spray. W. B. Parker. 1,627,250; May 3.
Nutcracker. L. R. Zifferer. 1,626,905; May 3.
Nut lock. S. H. Campbell. 1,626,596; May 3.
Nut lock. M. Outhier. 1,627,404; May 3.
Oar lock. R. S. Travis. 1,627,128; May 3.
Oil burner. A. Boddeker. 1,627,267; May 3.
Oil burner. M. Carter. 1,626,785; May 3.
Oil heater and operating same. J. Primrose. 1,626,874; May 3.
Oil or gas well. E. V. Crowell. Re16,607; May 3.
Oil shale, Treating. G. Egloff. 1,627,162–3; May 3.
Oil, Treating impure crude. J. F. Wright. 1,627,072; May 3.
Oil-well cleaners, Burner for. W. A. J. Kreager. 1,626,940; May 3.
Oils, Apparatus for treating. G. Egloff and W. R. Howard. 1,627,164; May 3.
Oils, Purifying hydrocarbon. J. C. Morrell and S. Comay. 1,627,055; May 3.
Oils, Refining. H. O. Parker. 1,627,338; May 3.
Open-end wrench. B. B. Gillett. 1,626,809; May 3.
Open-hearth furnace. E. Bosshardt. 1,627,425; May 3.
Optical diagnostic instrument. H. Clement. 1,626,601; May 3.
Optical projections, Method and apparatus for effecting. E. H. Corlett. 1,626,787; May 3.
Ornamental fabric structure. R. Loeb. 1,627,643; May 3.
Ovens, Sliding grate for. E. M. and D. E. Prenveille 1,627,405; May 3.
Packages, Machine for manufacturing, filling and closing. P. Gangler. 1,627,169; May 3.
Packing for inclosed axles or shafts, Oil. E. E. Noble. 1,626,957; May 3.
Pan; *See*—
Ash pan. Covered pan.
Baking pan.
Pans, Attachment for frying. C. A. and J. A. Landgren. 1,627,099; May 3.
Paper container. A. Moore. 1,627,047–8; May 3.
Paper container bodies and the like, Infolding. A. Moore 1,627,049; May 3.

Paper fastener. J. A. Elias. Re16,610; May 3.
Paper-folding machines, Attachment for. F. B. Jamison. 1,627,333; May 3.
Paper, Safety. B. W. Smith. 1,627,254; May 3.
Paper salt shaker. D. O. Ford. Des. 72,552; May 3.
Parachute pack. J. M. Russell. 1,627,067; May 3.
Pattern-grading machine. M. V. Preston. 1,627,062; May 3.
Pavements, Appliance for finishing concrete. F. L. Shidler and R. D. Gregg. 1,626,870; May 3.
Pen desk stand or similar article. S. Kanner. Des. 72,558; May 3.
Perch, Bird. C. V. Mueller. 1,627,448; May 3.
Petroleum and other hydrocarbons, Treating. C. P. Dubbs. 1,627,159; May 3.
Phonograph and making the same. A. Ames, jr. 1,626,691; May 3.
Phonographic record. P. Balke and G. Leysieffer. 1,627,227; May 3.
Photographically recording sound. R. Hart. 1,627,387; May 3.
Pickling liquors, Removing deterrent salts from. G. S. Morgan. 1,626,623; May 3.
Picture. C. M. Stitt. 1,627,468; May 3.
Picture advertising bus, Passenger and moving-. A. Zilbersher. 1,627,473; May 3.
Picture apparatus, Film winding and unwinding device for motion-. E. C. Penin. 1,627,198; May 3.
Picture projectors, Color-changing attachment for motion-. J. M. Kelley and J. A. Hueber. 1,626,841; May 3.
Picture projectors, Film attachment for motion-. W. J. Citron. 1,626,786; May 3.
Picture transmission, Method of and apparatus for synchronization in. J. Herman. 1,626,731; May 3.
Picture-transmitting system. H. Nyquist. 1,627,111; May 3.
Pictures, Method and apparatus for making composite motion. E. Schufftan. 1,627,295; May 3.
Pin; *See*—
Bonding pin.
Pipe; *See*—
Smoking pipe.
Pipe and rod spider. B. F. Hiniker. 1,626,826; May 3.
Pipe connection. R. E. White. 1,627,219; May 3.
Pipe coupling, Temporary. D. J. McGeehin. 1,627,044; May 3.
Pipe mechanism, Swing. S. H. Brooks. 1,626,782; May 3.
Pipe scraper. D. J. McGeehin. 1,627,045; May 3.
Pipe wrench. G. W. Thompson. 1,626,985; May 3.
Pipes, Apparatus for joining or connecting. J. Kurkowski. 1,627,288; May 3.
Piston. H. H. Meyer. 1,627,400; May 3.
Piston packing. J. F. Panyard. 1,626,749–50; May 3.
Piston ring. M. M. Moratta. 1,627,107; May 3.
Planter. C. A. Dempewolf. 1,627,017; May 3.
Planter, Corn-. G. M. Yackley. 1,627,537; May 3.
Planter with one wheel support, Corn. J. M. Bros. 1,626,504; May 3.
Planting machine. F. Bonchina. 1,627,143; May 3.
Plasterer's float. R. W. Rowley. 1,627,410; May 3.
Plastic composition. W. C. Morgan. 1,626,859; May 3.
Plastic composition product and producing articles of manufacture. A. J. Slosser. 1,627,296; May 3.
Plastics, Stabilization of. C. E. Burke. 1,626,916; May 3.
Plate. E. L. Schnepf. Des. 72,578; May 3.
Plating mechanism and process, Reverse. R. H. Lawson. 1,627,290; May 3.
Plow hitch, Antililde draft. P. Hansmann and H. Strack. 1,626,676; May 3.
Plumb bob. A. E. Bosserdet. 1,626,717; May 3.
Polymerized styrol and its homologues and products obtained thereby, Obtaining colored. I. Ostromislensky. 1,627,195; May 3.
Porcelain, Making and molding hard. A. M. McIntosh. 1,627,245; May 3.
Post; *See*—
Tool post.
Poster board. J. T. Jackson. 1,626,735; May 3.
Pot or similar article. G. N. Allen. Des. 72,541; May 3.
Potteries and the like, Apparatus for cleaning. A. Parodi. 1,627,112; May 3.
Poultry fountain. G. H. Bindemann. 1,627,140; May 3.
Powder puff, Folding. A. Willk. 1,626,992; May 3.
Power transmission mechanism, Hydraulic-. A. Nydqvist. 1,627,294; May 3.
Press; *See*—
Baling press.
Pressing machine. J. Denemark. 1,626,792; May 3.
Printing ampulæ, Machine for. A. Brand. 1,626,912; May 3.
Printing apparatus, Work-ejecting mechanism for. C. G. Tiefel. 1,626,649; May 3.
Printing device having changeable form. V. H. Kline. 1,627,242; May 3.
Printing presses, Cylinder for. N. C. Andersen. 1,626,592; May 3.
Printing machine. C. A. Kellogg. 1,627,182; May 3.
Printing machine. J. J. Leary. 1,627,041; May 3.
Printing machinery, Inking mechanism for. L. W. Claybourn. 1,627,483; May 3.
Printing process and machine, Blanket-. W. E. Caffray. 1,626,595; May 3.
Projecting apparatus. J. A. Perrault and H. Lubé. 1,627,114; May 3.
Projecting machine. O. Antonelli. 1,627,134; May 3.
Projecting machine. O. P. R. Lehmann. 1,627,396; May 3.
Proportional dividers. W. F. Sprout. 1,626,980; May 3.
Protective device for boxers. M. Golomb. 1,627,382; May 3.
Pulley-block hanger, Adjustable. H. Murray. 1,626,861; May 3.
Pulley, Expansion. F. H. Sleeper. 1,626,701; May 3.
Pulp, Freeness tester for. W. B. Campbell. 1,627,010; May 3.
Pump, Breather. C. Danna. 1,627,377; May 3.
Pump-control mechanism. R. Conrader. 1,627,376; May 3.
Pump, Endless-chain. W. F. Godfrey. 1,626,812; May 3.
Pump, Hydraulically-operated diaphragm. B. Stevens. 1,627,257; May 3.
Pump, Rotary. P. R. Finch. 1,627,024; May 3.
Pump, Rotary. G. S. Mepstead. 1,626,855; May 3.
Rack; *See*—
Map rack. Milk-can rack.
Radiator cap. J. P. Mitchell. Des. 72,562; May 3.
Radiophone meter. J. B. Hoge and E. E. Clement. 1,627,332; May 3.
Radio receiving unit, Self-contained. J. S. Fishback. 1,626,803; May 3.
Radio transmission system. H. Schieferstein. 1,626,699; May 3.
Radiotransmitter, Vacuum-tube. G. Messtorff. 1,626,744; May 3.
Radiotuner, Electrostatic. J. Slepian. 1,626,634; May 3.
Rail, Bonding. G. E. Thackray. 1,627,352; May 3.
Railway braking apparatus. J. P. Coleman. 1,626,910; May 3.
Railway braking apparatus. L. V. Lewis. 1,626,941; May 3.
Railway-crossing-gate-operating device. G. Moore. 1,627,052; May 3.
Railway signaling apparatus. H. S. Young. 1,626,657; May 3.
Railway signaling system. E. C. Larry. 1,627,440; May 3.
Railway signals, Direct-current track circuit for. S. S. Stolp. 1,626,643; May 3.
Railway switch. B. H. Patrick. 1,626,752; May 3.
Railway-switch locking and operating means. D. F. Griffey. 1,627,503; May 3.
Railway-tie remover. B. J. Hoover. 1,627,094; May 3.
Railway-track construction. R. J. Wells. 1,627,217; May 3.
Railway-traffic-controlling apparatus. P. H. Geiger. 1,626,928; May 3.
Railway-traffic-controlling apparatus. R. A. McCann. 1,626,949; May 3.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,626,895; May 3.
Railway trucks, Safety shoe for. F. Hornquist. 1,626,610; May 3.
Rake; *See*—
Rotary rake.
Rattle, Baby. B. J. Feldstein. 1,627,166; May 3.
Rings, Apparatus for making. E. C. Rumington. 1,626,915; May 3.
Receptacle. R. M. G. M. d'Arleux. 1,627,233; May 3.
Receptacle. A. Gran. 1,627,282; May 3.
Receptacle closure. L. R. N. Carvalho. 1,626,917; May 3.
Receptacle closure. L. R. N. Carvalho. 1,626,918; May 3.
Reefing iron. C. L. Laird. 1,627,515; May 3.
Refrigerating apparatus. E. F. James. 1,626,835; May 3.
Refrigerating apparatus. P. M. Jauvert. 1,626,836; May 3.
Refrigerating machine, Absorption-. E. Wirth. 1,627,071; May 3.
Refrigeration system. G. Hilger. 1,627,328; May 3.
Refrigerators or the like, Compressor for. G. Middendorf. 1,626,621; May 3.
Refuse containing precious metal, Apparatus for washing. G. Unrath. 1,627,129; May 3.
Register; *See*—
Cash register.
Regulator; *See*—
Gasoline regulator.
Regulator system. W. W. Edson. 1,626,608; May 3.
Relay. R. Brooks. 1,626,665; May 3.
Relay, Electron. S. Ruben. 1,627,411; May 3.
Relief and jack clamp, Combination. J. P. Neilson, sr. 1,626,864; May 3.
Reservoir device. C. C. Farmer. 1,626,604; May 3.
Resilient wheel. R. J. Starr. 1,627,418; May 3.
Resinlike bodies from cracked hydrocarbon products, Obtaining. J. C. Morrell and G. Egloff. 1,627,054; May 3.
Retort furnace, Continuously-operating ore or ore-shale converting. A. M. Beam. 1,627,538; May 3.
Reversing mechanism. F. W. A. Henrici. 1,627,434; May 3.
Ring; *See*—
Piston ring.

Roller: *See*—
Breaking roller. Track roller.
Rolling-mill table. L. E. Hunt. 1,626,734; May 3.
Rolling stock, Transportation of. C. H. Walthall. 1,626,709; May 3.
Roof. A. B. Fosseen. 1,627,027; May 3.
Roofing attachment. A. C. Fischer. 1,626,802; May 3.
Roofing clip. W. G. Bickell. 1,626,780; May 3.
Roost, Poultry. B. T. Bouma. 1,627,268; May 3.
Rotary conveyers, Intermittent grip mechanism for. W. A. Miller. 1,627,046; May 3.
Rotary machine. P. Schaurte. 1,626,973; May 3.
Rotary rake. W. L. Wike. 1,627,422; May 3.
Rotary table. E. W. Goeser and W. D. Davidson. 1,627,323; May 3.
Rubber-deterioration retarder and process of making. S. M. Cadwell. 1,626,784; May 3.
Rubber, Reclaiming. M. J. Fessler. 1,626,800; May 3.
Sadiron. W. H Lanak. 1,626,616; May 3.
Safe. M. Salamon. 1,627,464; May 3.
Safety hook. J. F. Moody and V. L. Du Boise. Re16,613; May 3.
Safety hook. R. E. Neilson. 1,626,865; May 3.
Safety hook. H. E. Stockstad. 1,626,642; May 3.
Safety hook. S. K. Tibbens. 1,627,470; May 3.
Salvo firing. J. H. Hammond, jr. 1,627,174; May 3.
Sand-blast relief carving. G. R. Philip. 1,627,456; May 3.
Saws, Machine for straightening. L. Parr. 1,626,751; May 3.
Scaffold bracket. A. E. Metz. 1,626,745; May 3.
Scaffolding or the like, Clamp for. K. Henningsen. 1,627,177; May 3.
Scale. J. Hopkinson. 1,626,828; May 3.
Scale, Pocket postal. R. T. Schoof. 1,626,976; May 3.
Scale, Portable. L. A. Osgood. 1,626,961; May 3.
Scale, Weighing. L. A. Osgood and E. E. Wolf. 1,626,963; May 3.
Scarf, Table. J. Derk. Des. 72,549; May 3.
Scissors or shears with composite blades. I. Patrick. 1, 627,197; May 3.
Screw and nut actuating mechanism. C. E. Hirst. 1,627,331; May 3.
Screw driver. G. Wood. 1,627,301; May 3.
Scrubbing machine. M. B. Baily. 1,627,263; May 3.
Searchlight range finder. R. Kauch. 1,627,097; May 3.
Sectional bin. G. Fritz. 1,627,084; May 3.
Sewing machines, Attachment for. G. Boulton. 1,627,228; May 3.
Sharpener, Pencil. C. O. Kowol. 1,627,243; May 3.
Sheet-feeding mechanism, Feed table for. C. F. Root. 1,627,064; May 3.
Shield, Smoke. L. B. Clark. 1,627,482; May 3.
Shields, Shutter latch for. H. Holsington. 1,626,827; May 3.
Shingle, Interlocking multiple. I. Davis. 1,627,429; May 3.
Shipping cases, Assembling fiber. H. R. Bliss. 1,627,311; May 3.
Shipping goods, Container for. A. C. Scott. 1,627,344; May 3.
Shipping materials, Packing strip for. W. B. Alcorn. 1,627,223; May 3.
Shock absorber. P. Pestourie. 1,626,755; May 3.
Shock absorbers and the like, Demonstrating device for. H. R. Stuart. 1,627,125; May 3.
Shock-absorbing mechanism. A. P. Withall. 1,627,367; May 3.
Shocker, Grain. C. R. Raney. 1,627,203; May 3.
Shoe, Swimming and running. R. Menschel. 1,627,521; May 3.
Shoes, Removable half sole for. A. S. Sinko. 1,627,465; May 3.
Shrimp-shelling machine. F. C. Bucknam. 1,627,479; May 3.
Shuttles, Threading device for. A. Bernier. 1,627,308; May 3.
Sign. A. H. Humphrey. 1,627,437; May 3.
Sign-composing device. L. A. Graham and C. L. Low. 1,626,815; May 3.
Sign control, Electric. F. E. J. Wilde. 1,626,900; May 3.
Sign, Electric. F. E. J. Wilde. 1,626,899; May 3.
Sign holder. S. Steinman. 1,627,350; May 3.
Sign, Illuminated. M. Norden. 1,626,958; May 3.
Sign, Side-reading illuminated. E. P. Vincent. 1,627,528; May 3.
Signal: *See*—
Automatic signal. Traffic signal.
Signal. F. A. Brown. 1,626,913; May 3.
Signal light. J. E. Wood. 1,626,710; May 3.
Signal system, Automatic. F. Gilday and W. J. Duffy. 1,627,380; May 3.
Signals, Control means for light. J. A. Peabody. 1,627,453; May 3.
Siphon. J. H. Palmer. 1,627,451; May 3.
Slag cement, Manufacturing. J. G. Harding. 1,627,237; May 3.
Sliding shackle lock. W. F. Troast. 1,627,259; May 3.
Slip-joint coupling. P. Mueller and A. C. Schuermann. 1,626,952; May 3.
Slug-casting machines, Mold for. R. R. Mead. 1,626,854; May 3.
Slug holder. E. G. Magnus and H. C. Dosch. 1,627,398; May 3.
Smoking pipe. P. R. Schuman. 1,627,416; May 3.
Snow guard. K. D. Wilms. 1,626,995; May 3.
Soaps, Making perfumed or medicated transparent. P. Villain. 1,626,708; May 3.
Socket wrench. H. F. Haynes. 1,626,730; May 3.
Soldering iron. H. E. Brach. 1,626,911; May 3.
Sole-cutting machines, Brake construction for. H. K. Bayer and H. J. Epstein. 1,627,370; May 3.
Soles to shoe uppers, Apparatus for cementing. W. F. Traudt. 1,627,358; May 3.
Sound-producing device. L. J. Grubman. 1,627,384–5; May 3.
Sounding figure. A. Werlitz. 1,627,365; May 3.
Speed indicators, Construction of. C. H. H. Rodanet. 1,626,697; May 3.
Speed wrench. C. Callison. 1,626,719; May 3.
Spooling mechanism and method. F. Honig. 1,627,239; May 3.
Spring: *See*—
Carburetor-choke-valve spring.
Lubricating spring. Vehicle spring.
Spring suspension device or shock absorber. E. J. Pilblad. 1,626,966; May 3.
Sprinkling systems, Automatic sprinkler head for. H. M. Nacey. 1,626,863; May 3.
Squirrel-cage motor, Variable-speed. H. D. Hineline. 1,627,330; May 3.
Stanchion. G. Obele. 1,627,527; May 3.
Stand: *See*—
Display stand.
Stand for crocks, Tilting. J. Disibio. 1,627,490; May 3.
Starch-molding apparatus. A. L. Bausman. 1,627,138; May 3.
Station, Automatic. W. L. Newmeyer. 1,626,688; May 3.
Steam boiler, Sectional. C. Z. and E. S. Alexander. 1,627,530; May 3.
Steam-generating apparatus. H. H. Mercer. 1,626,950; May 3.
Steam generator. J. F. Otis. 1,627,450; May 3.
Steam generators, Steam-separating apparatus for. T. A. Peebles. 1,626,625; May 3.
Steam trap. F. A. Burrows. 1,627,271; May 3.
Still, Water. E. V. Oliver. 1,626,960; May 3.
Stoker. C. L. Davidson. 1,626,791; May 3.
Stone-cutting machine. E. and F. D. Bolton. 1,627,142; May 3.
Stool, Lunch-counter. J. F. Huckel. 1,626,832; May 3.
Stopper: *See*—
Gas-main stopper.
Storage battery. T. A. Edison. Re16,614; May 3.
Stove, Camp. T. Johnson. 1,627,513; May 3.
Sugar-cane mills, Juice-straining system for. W. G. Hall. 1,627,283–4; May 3.
Swab, Flexible. E. W. Forrow. 1,626,926; May 3.
Swab, Well. E. Kibele. 1,626,614; May 3.
Switch: *See*—
Electric switch. Thermal switch.
Electrical switch. Transfer switch.
Railway switch.
Switchboard. W. G. Ralph. 1,626,660; May 3.
Switch contact. A. Rawling. 1,626,692; May 3.
Switch mechanism. E. H. W. Ullrich. 1,626,650; May 3.
Table: *See*—
Rolling-mill table. Rotary table.
Table signaling device. L. R. Nye. 1,626,959; May 3.
Tabulating machines, Variable-feed mechanism for. W. W. Lasker and J. Mueller. 1,627,394; May 3.
Tail light and stop signal, Combined. E. O. Seitz. 1,626,632; May 3.
Take-up device. W. S. Lewis. 1,627,244; May 3.
Talking machine, Constant-surface-speed. G. M. Thomas. 1,627,353; May 3.
Tank: *See*—
Vacuum tank.
Tank, Leak-tight sectional. E. F. Black. 1,627,309; May 3.
Tank vents, Attachment for. A. S. James. 1,627,095; May 3.
Tanks, Float valve for flush. E. L. Delany. 1,627,489; May 3.
Tanks, Safety attachment for. J. Cohn. 1,626,721; May 3.
Taper-gauging machine. P. Wallin. 1,627,360; May 3.
Telegraph receiving instrument. R. A. Grout. 1,627,030; May 3.
Telegraphy. F. McCormick. 1,627,444; May 3.
Telegraphy, Printing. F. McCormick. 1,627,445; May 3.
Telephone-instrument attachment. A. Schlesiager. 1,627,415; May 3.
Telephone system. W. Setzepfand. 1,627,206; May 3.
Telephone system, Automatic. J. E. Gardner. 1,626,807; May 3.
Telephone system, Automatic. H. Hovland. Re16,615; May 3.
Telephone system, Automatic coin-service. H. Hovland. Re16,616; May 3.
Telephone, Wall. W. Kaisling. 1,627,393; May 3.
Temperature-controlling system. P. H. Brace. 1,626,663; May 3.
Temperature-indicating device. H. P. Sleeper. 1,626,633; May 3.
Tent support, Collapsible. W. S. Rynearson. 1,627,546; May 3.

Terminal, Combination. J. J. Mucher. 1,627,447; May 3.
Test gauge. J. W. Carthew. 1,626,599; May 3.
Testing machine. C. S. Williams. 1,627,306; May 3.
Textile fabric. K. Jäger. Des. 72,557; May 3.
Textile machines, Electric stop motion for. H. E. Matthews, W. H. Love, and H. T. Ryder. 1,627,292; May 3.
Textile machines, Piece-up mechanism for. R. E. Naumburg. 1,626,964; May 3.
Thermometer, Automobile radiator. E. T. Curran. 1,626,790; May 3.
Thermometer case. I. Q. Gurnee and A. A. Smith. Des. 72,555; May 3.
Thickening and washing materials, Apparatus for. A. S. Moses. 1,626,951; May 3.
Thread or cord, Covered elastic. J. B. Smith. 1,627,255; May 3.
Thermal switch. R. C. Malcom. 1,627,519; May 3.
Thrasher, Combination harvester. W. F. MacGregor. 1,627,535; May 3.
Tie plate. R. T. Scholes. 1,626,631; May 3.
Tile and making the same, Roof. F. A. Beale. 1,627,266; May 3.
Tile-coating machine and process. L. S. Jones, G. W. Fisher, and C. G. Henrikson. 1,627,096; May 3.
Tile or slab, Building. C. S. Freund. 1,627,280; May 3.
Tile-partition tie piece, Hollow-. W. L. Alber. 1,626,589; May 3.
Timing device, Automatic race-track. C. E. Mentzer. 1,626,620; May 3.
Tire. W. S. Galvin. Des. 72,553; May 3.
Tire carrier. G. P. Henry. 1,626,934; May 3.
Tire casings, Apparatus for building. F. H. Stewart. 1,627,212; May 3.
Tire spreader. V. R. Goeller. 1,627,500; May 3.
Toilet article. W. Friedman. 1,626,927; May 3.
Tongs, Lifting. E. M. Morris. 1,627,524; May 3.
Tongs, Pipe. C. E. Wilcox. 1,627,260; May 3.
Tool. J. A. Hooben. 1,627,435; May 3.
Tool, Hand. W. A. Bernard. 1,627,307; May 3.
Tool handle. S. R. Enberg. 1,626,671; May 3.
Tool post. F. Müller. 1,626,953; May 3.
Toy. J. Dellinger. 1,627,319; May 3.
Toy baseball, Mechanical. L. C. Barker. 1,626,778; May 3.
Toy boats, Motor mechanism for. C. Arnold. 1,627,073; May 3.
Toy game board. I. Haaz. 1,627,173; May 3.
Toy gun. W. A. Tidwell. 1,626,892; May 3.
Toy, Gyratory pan. C. Zabel. 1,626,904; May 3.
Toy horse and novelty. A. M. Briggs. 1,627,426; May 3.
Toy torpedo casings, Composition for. J. Martelli. 1,627,101; May 3.
Toy trundle. R. Recatti. 1,626,756; May 3.
Toy vehicle. R. de Filippis. 1,627,150; May 3.
Toy vehicle. D. Schaeffer. Des. 72,577; May 3.
Track brake, Variable-pressure. M. E. Barr. 1,627,137; May 3.
Track-lining device. C. A. Disbrow and W. E. Gadd. 1,627,156; May 3.
Track roller. R. W. Runge. 1,627,418; May 3.
Tractive device. G. J. Crawford. 1,626,788; May 3.
Tractors, Drive mechanism for. E. H. Lichtenberg. 1,626,680; May 3.
Traffic signal. B. Rosewater. 1,626,876; May 3.
Trailer coupling. H. P. Williams. 1,626,993; May 3.
Train-control system. A. E. Hudd and A. F. Bound. 1,626,833; May 3.
Trains, Average-speed-recording means for railway. T. R. Mills. 1,627,522; May 3.
Transfer medium for metallizing purposes. W. F. Grupe. 1,627,088; May 3.
Transfer print and making the same. T. S. Reese. 1,627,407; May 3.
Transfer switch. V. W. Sherman. 1,627,345; May 3.
Transformers, Voltage regulator for. A. Rooth. 1,626,970; May 3.
Transmission control. J. H. Butler. 1,626,718; May 3.
Transmission gearing. C. E. F. Ahlm. 1,627,368; May 3.
Transmission mechanism. J. E. Ovren. 1,627,196; May 3.
Transmitter. J. Slepian. 1,626,635; May 3.
Transmitter, Glow-discharge. J. Slepian. 1,626,636; May 3.
Transmitter, Glow-discharge. P. Thomas. 1,626,645; May 3.
Transmitter, Glow-discharge. P. Thomas. 1,626,646; May 3.
Trap: *See*—
Mole trap. Steam trap.
Tray and table, Combined. L. A. Phalon. 1,627,454; May 3.
Tray, Filing. N. S. Welk. 1,626,898; May 3.
Trimmer: *See*—
Hedge trimmer.
Truck. W. N. Shannon, jr. 1,627,253; May 3.
Truck-motor-frame suspension. C. Bethel. 1,626,662; May 3.
Tube: *See*—
Vacuum tube.
Tube-cutting machine. C. R. Seymour. 1,626,878; May 3.
Tube sender, Arrangement for controlling. A. Semm and W. Schaffer. 1,626,759; May 3.
Tubes of cement asbestos or similar substances, Apparatus for the manufacture of. D. Mattei and A. Mazza. 1,627,104; May 3.
Typewriter. S. A. Dean. 1,627,016; May 3.
Typewriter machine. J. Waldheim. 1,626,990; May 3.
Typewriters, Removable carriage for. O. A. Hokanson. 1,627,390; May 3.
Typewriting machine. F. Becker. 1,626,779; May 3.
Typewriting machine. L. C. Myers. 1,627,058; May 3.
Typewriting machine. J. A. B. Smith. 1,627,123; May 3.
Typewriting machine. B. C. Stickney. 1,626,641; May 3.
Typewriting machine. J. Waldheim. 1,626,989; May 3.
Typographical machine. W. Ackerman. 1,626,773; May 3.
Unlonding device. R. Cantor. 1,626,597; May 3.
Vacuum tank. C. S. Nelson. 1,627,293; May 3.
Vacuum tube. H. E. Metcalf. 1,626,858; May 3.
Valve. F. S. Cravens. 1,627,486; May 3.
Valve and cage puller. H. Blume and G. B. Streitz. 1,627,477; May 3.
Valve, Automatic stop. W. B. Flanders. 1,626,804; May 3.
Valve, Charging. G. E. Maier. 1,627,443; May 3.
Valve-controlling means, Knee-operated throttle-. A. S. Martin. 1,627,102; May 3.
Valve cut-off and speed indicator. V. Z. Caracristi 1,627,076; May 3.
Valve device, Retaining-. F. P. Livingston. 1,626,618; May 3.
Valve, Intake. J. E. Harris. 1,627,032; May 3.
Valve, Lifting. W. G. Wilson. 1,627,299; May 3.
Valve, Outlet. G. G. Reeves. 1,626,969; May 3.
Valve mechanism, Electrically-operated. E. A. Hummett. 1,626,817; May 3.
Valve, Soap. L. Kooperstein. 1,626,939; May 3.
Valves, Automatic safety cut-off for gas. C. Blust. 1,627,312; May 3.
Van, Moving. R. Arlo. 1,627,135; May 3.
Vane or shovel, Fuel-throwing. L. K. Gillson. 1,627,381; May 3.
Vapor device, Metallic. E. Weintraub. 1,627,070; May 3.
Vapors, Apparatus for condensing. E. W. Isom and J. E. Bell. 1,627,544; May 3.
Vaporizing a getter in an evacuated vessel. W. H. T. Holden. 1,626,732; May 3.
Vehicle, Power-driven. H. Zoelly. 1,627,303; May 3.
Vehicle runner, Retractable. D. De Wald. 1,627,151; May 3.
Vehicle spring. W. W. Wood. 1,626,996; May 3.
Vehicle wheel. E. K. Baker. 1,627,369; May 3.
Vehicle wheel. F. W. Ranter. 1,627,406; May 3.
Vehicles, Coupling for. T. Franks. 1,627,430; May 3.
Vehicles, Endless supporting and driving flexible belt for motor and other. A. Kegresse. 1,627,287; May 3.
Vehicles, Shifting jack for motor. A. Schnitzler. 1,626,630; May 3.
Vehicles, Snubber for. G. C. Pearson. 1,627,113; May 3.
Vending machine. J. B. Watling. 1,626,896; May 3.
Vent for full-lined garments and making it. R. A. Feiss. 1,626,799; May 3.
Vessels, Channel and plate construction for. W. G. Bartenfeld. 1,626,716; May 3.
Vessels containing liquid under pressure, Automatic safety system for. C. S. Messler. 1,627,399; May 3.
Vine lifter. G. S. Agee. 1,626,712; May 3.
Visual annunciator. W. T. Dippel. 1,626,795; May 3.
Wagon. J. T. Norman. 1,627,109; May 3.
Wall plate, Corrugated. H. L. Ingersoll. 1,627,392; May 3.
Wall pocket or similar article. R. De Boer. Des. 72,548; May 3.
Warper attachment. W. P. Hornbuckle and R. F. Craig. 1,626,829; May 3.
Washers on upstanding pins, Machine for placing. W. H. Brown. 1,626,914; May 3.
Washing and wringing machine. J. Hutchinson. 1,627,438; May 3.
Washing machine. F. B. Morehouse and F. Haase. 1,627,053; May 3.
Washing machines, Power-operated wringer for. W. K. Howe. 1,626,831; May 3.
Washtub-cover-holding device, Stationary. J. H. Barrett. 1,627,467; May 3.
Water heater, Electric. B. Midulla. 1,627,335; May 3.
Wear-compensating bolt. G. C. Monckmeier. 1,627,401; May 3.
Weighing machine. M. H. Starr. 1,627,124; May 3.
Weeding implement. J. J. Kearns. 1,627,038; May 3.
Welding and product thereof. W. G. Allan. 1,626,774; May 3.
Welding apparatus, Electric. E. J. von Henke. 1,626,769; May 3.
Wheel: *See*—
Car wheel. Vehicle wheel.
Resilient wheel.
Wheel. E. J. W. Ragsdale. 1,627,202; May 3.
Wheel assembly, Fifth-. G. C. Henderson. 1,627,176; May 3.
Wheel-equalized traction unit, Four-. E. H. Babel and R. L. Owen. 1,627,225; May 3.
Wheel mechanism, Detachable. W. V. Gilbert. 1,627,499; May 3.

Wheels of motor vehicles, Antisplash device for the. E. W. Haward. 1,627,033; May 3.
Wheels, Runner for automobile. J. H. Haynes. 1,627,507; May 3.
Winding machine. D. Stone. 1,627,213; May 3.
Window bracket. W. H. Johnson. 1,627,241; May 3.
Window-cleaning device. H. M. Davis. 1,627,318; May 3.
Window construction. H. B. Stein. 1,627,419; May 3.
Window sashes, Stop for sliding. G. E. Wood. 1,627,300; May 3.
Window stop and weather strip, Combined. W. Friedman. 1,626,674; May 3.
Windshield. E. W. Saunders. 1,626,758; May 3.
Windshield. L. M. Wragg. 1,626,997; May 3.
Windshield wiper. G. B. Sayre. 1,626,629; May 3.
Wire, strip, and the like, Apparatus for the electric heat treatment of. H. Alexander and A. Imbery. 1,626,713; May 3.
Wreath. M. Nadolleck. Des. 72,563; May 3.
Wrench: See—
Open-end wrench. Socket wrench.
Pipe wrench. Speed wrench.
Wrench. J. L. Abernethy and L. E. Mumbower. 1,627,003; May 3.
Wrench. H. C. Jahn. 1,627,035; May 3.
Wrench. W. S. Lawyer. 1,627,441; May 3.
Wrench. J. Zilliox. 1,626,906; May 3.
Wringer: See—
Mop wringer.
X-ray-tube radiator. M. Morrison. 1,626,687; May 3.
Yarn or thread feeding mechanism for spring-needle machines. G. P. Bosworth. 1,626,781; May 3.

CLASSIFICATION OF PATENTS

ISSUED MAY 3, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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46: 1,627,216
192— 25: 1,627,313
77: 1,627,006
119: 1,627,353
193— 5: 1,626,597
40: 1,626,933
196— 5: 1,627,072
42: 1,627,055
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48: 1,627,436
49: 1,627,159
107: 1,627,164
110: 1,626,874
140: 1,627,431
197— 1: 1,627,016
60: 1,627,300
114: 1,627,394
126: 1,626,641
127: 1,626,969
1,626,900
135: 1,626,779
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143: 1,627,058
189: 1,627,110
198— 3: 1,626,947
7: 1,627,247
198— 30: 1,626,747
193: 1,627,354
224: 1,627,362
1,627,364
1,627,391
199— 18: 1,626,773
55: 1,626,854
200— 6: 1,627,158
1,627,345
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201— 63: 1,626,656
202— 16: 1,627,162
1,627,163
1,627,321
203— 5: 1,626,960
205— 16: 1,627,239
206— 16: 1,626,840
31: 1,626,943
46: 1,627,223
208— 113: 1,626,775
209— 101: 1,627,246
110: 1,627,028
125: 1,627,221
180: 1,627,181
465: 1,627,129
480: 1,627,157
210— 156: 1,627,083
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199: 1,627,343
211— 6: 1,627,084
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1,626,999
1,627,424
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215— 44: 1,626,917
46: 1,626,918
64: 1,627,036
217— 26: 1,626,870
219— 4: 1,626,769
10: 1,626,774
25: 1,626,646
220— 1: 1,627,282
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31: 1,627,302
32: 1,626,842
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55: 1,627,371
86: 1,626,789
220— 97: 1,626,930
221— 60: 1,626,771
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97: 1,627,014
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102: 1,626,939
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225— 5.6: 1,627,042
26: 1,627,147
28: 1,626,935
226— 2: 1,627,449
227— 25: 1,626,698
229— 2.5: 1,627,050
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5.6: 1,627,047
1,627,048
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230— 11: 1,626,621
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27: 1,627,377
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235— 1: 1,627,234
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23: 1,627,119
60: 1,626,889
104: 1,626,667
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78: 1,626,663
80: 1,627,341
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9: 1,627,217
304: 1,626,631
240— 1: 1,627,066
8.2: 1,626,901
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1,626,815
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250— 9: 1,626,856
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27: 1,627,127
1,627,231
1,627,411
27.5: 1,626,685
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35: 1,626,687
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254— 1: 1,626,891
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255— 22: 1,627,539
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25: 1,626,733
43: 1,626,772
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64: 1,627,544
239: 1,626,869
259— 128: 1,627,314
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260— 2: 1,627,054
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116: 1,627,091
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130: 1,626,784
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261— 91: 1,626,666
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263— 24: 1,627,538
265— 2: 1,627,366
62: 1,626,828
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63: 1,626,976
71: 1,627,124
266— 3: 1,626,713
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267— 8: 1,627,113
9: 1,626,755
20: 1,626,966
28: 1,627,379
50: 1,626,740
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268— 49: 1,627,180
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89: 1,626,778
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280— 5: 1,626,822
10: 1,627,151
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33.1: 1,627,176
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296— 1: 1,627,336
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97: 1,626,981
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A-B Stove Company, Battle Creek, Mich. Combined coal and gas ranges. 227,657; May 10; Serial No. 242,266; published Mar. 1, 1927.

Aceda Company, The, San Francisco, Calif. Beverages. 227,542; May 10; Serial No. 238,563; published Mar. 1, 1927.

Adlerika Company, The. (See Weschcke, Ernest J., assignor.)

Albersheim, Dr. M., Frankfort-on-the-Main, Germany. Perfumery, skin cream, tooth paste. 227,560; May 10; Serial No. 241,852; Published Mar. 1, 1927.

American Antiformin Co., New York, to American Antiformin Co., Brooklyn, N. Y. Cleansing and disinfecting preparation. 61,693; renewed Apr. 2, 1927.

American Chicle Company, Long Island City, N. Y. Chewing gum. 227,543; May 10; Serial No. 238,564; published Mar. 1, 1927.

American Chicle Company, Long Island City, N. Y. Chewing gum. 227,610; May 10; Serial No. 236,980; published Mar. 1, 1927.

American Chicle Company, Long Island City, N. Y. Chewing gum. 227,611; May 10; Serial No. 238,887; published Mar. 1, 1927.

American Cone & Pretzel Company. (See Oakdale Baking Company, assignor.)

American Malt Company, The, Baltimore, Md. Malt sirup for beverage purposes. 227,600; May 10.

American Metal Products Co., Detroit, Mich. Heaters for automobiles, boats, etc. 227,488; May 10; Serial No. 241,512; published Feb. 8, 1927.

American News Company, Inc., The, New York, N. Y. Magazines. 227,643; May 10; Serial No. 240,334; published Mar. 1, 1927.

American Yeast Gum Company, The Cleveland, Ohio. Chewing gum. 227,498; May 10; Serial No. 240,940; published Mar. 1, 1927.

Angleton Fig Company, Angleton, Tex. Confection—namely, candied figs. 227,620; May 10; Serial No. 242,701; published Mar. 1, 1927.

Arco Company, The, Cleveland, Ohio. Cement for roofs and analogous uses. 227,551; May 10; Serial No. 241,598; published Feb. 22, 1927.

Askin, Sara, doing business as Budiax Manufacturing Company, Philadelphia, Pa. Laxative preparation. 227,636; May 10; Serial No. 239,783; published Mar. 1, 1927.

Bab, Inc., New York, N. Y. Women's dresses and gowns. 227,568; May 10; Serial No. 238,948; published Feb. 22, 1927.

Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Inner tubes. 227,717; May 10.

Baker, Charles F., & Co. Inc., Boston, Mass. Shoe nails. 227,492; May 10; Serial No. 242,165; published Mar. 1, 1927.

Ballard & Ballard Company, to Ballard & Ballard Co., Louisville, Ky. Wheat flour. 29,791; renewed Apr. 6, 1927.

Bandler, Ernest, New York, N. Y. Leather slippers. 227,505; May 10; Serial No. 241,812; published Mar. 1, 1927.

Bank Credits Title Company, Los Angeles, Calif. Bank coupons. 227,506; May 10; Serial No. 241,313; published Mar. 1, 1927.

Barbaro, Frank S., Springfield, Ill. Candy sucker. 227,590; May 10; Serial No. 235,722; published Mar. 1, 1927.

Barbey, Emilie, Paris, France. Preparation for the hair. 227,615; May 10; Serial No. 242,517; published Mar. 1, 1927.

Belmont Gardens. (See Lenk, Walter E.)

Bendo Manufacturing Co. (See De Benedictis, Kathryn M.)

Bentley Gray Dry Goods Co., The, Tampa, Fla., and New York, N. Y. Hosiery. 227,628; May 10; Serial No. 230,078; published July 27, 1926.

Berg, Charles F., Portland, Oreg. Hosiery. 227,653; May 10; Serial No. 240,801; published Feb. 22, 1927.

Berghoff Products Co., Fort Wayne, Ind. Cereal malt beverage containing less than one-half of one per cent alcohol, by volume. 227,572; May 10; Serial No. 237,354; published Nov. 16, 1926.

Bertone, Eugene, Baltimore, Md. Rotary tube cleaners. 227,666; May 10.

Better Tires Company, The, Chicago, Ill. Automobile body polish. 227,597; May 10; Serial No. 235,624; published Mar. 1, 1927.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Mechanical carpet sweepers. 227,530; May 10; Serial No. 242,274; published Mar. 1, 1927.

Blackburn, J. O., doing business as The Blackburn Packers, Lovelock, Nev. General cleanser for household and garage use. 227,645; May 10; Serial No. 240,521; published Mar. 1, 1927.

Blake, Anna M., doing business as Healederm Laboratories, Fayetteville, N. C. Face powders, creams, and packs, toilet waters, rouges, lip sticks, etc. 227,506; May 10; Serial No. 238,837; published Mar. 1, 1927.

Blecher, Arnold & Engelberg, Chicago, Ill. Women's and misses' dresses and gowns. 227,598; May 10; Serial No. 224,898; published June 15, 1926.

Blickman, S., Inc., Weehawken, N. J. Exercising devices. 227,646; May 10; Serial No. 240,522; published Mar. 1, 1927.

Bloodworth, Julian F., doing business as Sherro Company, Lewiston, Ga. Beverage sold as a soft drink. 227,565; May 10; Serial No. 238,769; published Mar. 1, 1927.

Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y., assignor to The Borden Company, New York, N. Y. Caramels and caramel paste. 64,722; renewed Aug. 20, 1927.

Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y., assignor to The Borden Company, New York, N. Y. Chocolates, caramels, and caramel paste. 64,723; renewed Aug. 20, 1927.

Bowers, Orrin C., Oklahoma City, Okla., assignor by mesne assignments, to Kampheme Company, Inc., Oklahoma City, Okla. Medicinal compound. 64,656; renewed Aug. 20, 1927.

Braun, Egon, Aktiengesellschaft, Hamburg, Germany. Beverages sold as soft drinks and fruit juices for making the same. 227,700; May 10.

Bray Productions, Inc., The, New York, N. Y. Moving-picture films. 227,507; May 10; Serial No. 241,315; published Mar. 1, 1927.

Bridgeport Brass Company, Bridgeport, Conn. Metallic wire and rods. 227,591; May 10; Serial No. 235,942; published Feb. 22, 1927.

Brittains, Limited, Cheddleton, near Leek, England. Tissue paper. 227,549; May 10; Serial No. 241,560; published Mar. 1, 1927.

Brown, Robert W., Norfolk, Va. Indigestion cure. 227,555; May 10; Serial No. 241,692; published Mar. 1, 1927.

Brown, Russell H., Kingston, Pa. Dental kit. 227,478; May 10; Serial No. 239,352; published Feb. 22, 1927.

Buck, Ollie H., Kokomo, Ind. Fence stays. 227,672; May 10; Serial No. 227,713; published Mar. 1, 1927.

Buck, W. L., Company, Oklahoma City, Okla. Antiseptic face lotions. 227,651; May 10; Serial No. 240,697; published Jan. 25, 1927.

Budiax Manufacturing Company. (See Askin, Sara.)

Build A Home First Bureau. (See Ennis, Erwin.)

Bullock's, Los Angeles, Calif. Candy. 227,585; May 10; Serial No. 223,460; published Mar. 1, 1927.

Burns Bros., New York, N. Y. Coal and coke. 227,603; May 10.

California Canneries Company, San Francisco, Calif. Canned fruits and vegetables. 227,714. May 10.

Campbell, Albert W., Bay City, Mich. Automobile bodies. 227,689; May 10.

Cantwell, Richard F., Brooklyn, N. Y. Beverage sold as a soft drink and sirup for making the same. 227,715; May 10.

Capitol Paint & Varnish Works, Inc., Brooklyn, N. Y. Paint and paint enamel. 227,537; May 10; Serial No. 238,045; published Mar. 1, 1927.

Carafol-Silverman Garment Co., St. Louis, Mo. Wearing apparel for women, misses, juniors, and children. 227,515; May 10; Serial No. 241,924; published Feb. 22, 1927.

Carbon Fuel Company, The, Cincinnati, Ohio. Coal. 227,571; May 10; Serial No. 239,089; published Mar. 1, 1927.

Caulk, L. D., Company, The, Milford, Del. Dental cement. 227,655; May 10; Serial No. 242,225; published Feb. 22, 1927.

Cellas', Inc., New York, N. Y. Grape jam. 227,665; May 10; Serial No. 242,817; published Feb. 22, 1927.

Central Laboratories Co., Wheeling, W. Va. Tire preservative coatings, automobile body and furniture polish. 227,579; May 10; Serial No. 218,612; published Mar. 1, 1927.

Chattanooga Medicine Company, The, Chattanooga, Tenn. Medicine for female diseases. 227,531; May 10; Serial No. 242,279; published Mar. 1, 1927.

Chenango Equipment Mfg. Co., Inc., Norwich, N. Y. Camping outfits for use by automobile tourists. 227,694; May 10.

Chieftain Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof. 227,561; May 10; Serial No. 219,228; published Dec. 8, 1925.

Chybike, J. S., doing business as Koch Chemical Company, Portland, Oreg. Medicinal preparation. 227,587; May 10; Serial No. 224,808; published Feb. 15, 1927.

Clear-O-White Laboratories Inc., Long Island City, N. Y. Bleaching preparation for the skin. 227,675; May 10; Serial No. 184,596; published Mar. 1, 1927.

Clifford Manufacturing Co., Boston and South Boston, Mass. Metallic bellows for temperature and pressure controlled apparatus, pumps, etc. 227,519; May 10; Serial No. 241,987; published Mar. 1, 1927.

Climax Hosiery Mills, Athens, Ga. Hosiery. 227,557; May 10; Serial No. 241,769; published Feb. 15, 1927.

Colgate & Company, Jersey City, N. J. Perfumes, toilet waters, talc and face powder, cold creams, etc. 227,647; May 10; Serial No. 240,523; published Mar. 1, 1927.

Collins, James T., South Bend, Ind. Pile and erysipelas relief. 227,561; May 10; Serial No. 241,870; published Mar. 1, 1927.
Concentrate Products Co., The, Chicago, Ill. Corrective food for poultry. 227,702; May 10.
Continental Bank-Supply Company, Mexico, Mo. Bank supplies, pass books, check books, etc. 227,580; May 10; Serial No. 219,060; published Mar. 1, 1927.
Corn Fix Co., Inc., Newark, N. J. Remedy for warts. 227,603; May 10; Serial No. 234,102; published Aug. 10, 1926.
Coxon Corporation, San Francisco, Calif. Candy bars. 227,584; May 10; Serial No. 223,371; published Mar. 1, 1927.
Craddock-Terry Co., Lynchburg, Va. Shoes of leather, etc. 227,501; May 10; Serial No. 241,136; published Feb. 22, 1927.
Crampton Company, The, New Hartford, Conn. Paint and varnish remover. 227,654; May 10; Serial No. 242,170; published Feb. 22, 1927.
Crowley, Milner & Co., Detroit, Mich. Children's and youths' coats and dresses. 227,642; May 10; Serial No. 240,294; published Feb. 15, 1927.
De Benedictis, Kathryn M., doing business as Bendo Manufacturing Co., San Jose, Calif. Cleaning and polishing compound for furniture, all interior woodwork, and linoleum. 227,502; May 10; Serial No. 241,203; published Mar. 1, 1927.
Deutsche Gasglühlicht-Aktiengesellschaft (Auergesellschaft), assignor to Osram G. m. b. H. Kommanditgesellschaft, Berlin, Germany. Electrical incandescent lamps. 59,325; renewed Jan. 8, 1927.
Dicks, Frederick A., assignor to F. A. Dicks & Co. Inc., New Orleans, La. Medicine. 65,176; renewed Sept. 10, 1927.
Di Fiore, D., Canning Company, San Jose, Calif. Canned fruits. 227,695; May 10.
Direct Selling Company of America, Chicago, Ill. Fire-extinguishing apparatus. 227,559; May 10; Serial No. 241,812; published Mar. 1, 1927.
Doerr & Reinhart, Worms, Germany. Chrome leather. 227,510; May 10; Serial No. 241,474; published Feb. 22, 1927.
Doll, Jacob, & Sons, Inc., New York, N. Y. Pianos and pianos with interior players. 62,641; renewed May 21, 1927.
Domenice, George M., New York, N. Y. Toilet creams and powders, shampoos, depilatory preparations, etc. 227,578; May 10; Serial No. 218,395; published Mar. 1, 1927.
Dryad Mills Company. (See Marshall, Ethel L., assignor.)
Duka, Andrew, Bridgeport, Conn. Medicines. 65,018; renewed Sept. 3, 1927.
Dwinell-Wright Company, Boston, Mass. Tea. 227,583; May 10; Serial No. 222,602; published Jan. 18, 1927.
Dyckerhoff, Eduard, Poggenhagen, Germany. Tightening and packing material to be inserted between building stones, heat and cold protecting and insulating material, etc. 227,682; May 10; Serial No. 211,576; published Feb. 22, 1927.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 64,279; renewed July 30, 1927.
Electric Refrigeration Corporation. (See Leonard Refrigerator Company, assignor.)
Elsinore Perfume Company, Brooklyn, N. Y. Deodorant spray. 227,556; May 10; Serial No. 341,708; published Mar. 1, 1927.
Ennis, Erwin, doing business as Build A Home First Bureau, Newark, N. J. Publication. 227,503; May 10; Serial No. 241,205; published Mar. 1, 1927.
Everett Norfolk Company, Lebanon, N. H. Woolen piece goods. 227,497; May 10; Serial No. 240,906; published Mar. 1, 1927.
Everhot Heater Company, Detroit, Mich. Room-heating radiator using oil or gas. 227,599; May 10; Serial No. 234,666; published Mar. 1, 1927.
Excelsior Wash Suit Co., Inc., Brooklyn, N. Y. Sailor suits, lumber jackets, etc. 227,496; May 10; Serial No. 240,854; published Feb. 22, 1927.
Fennville Canning Co., Fennville, Mich. Canned fruit and vegetables. 227,476; May 10; Serial No. 238,367; published Feb. 22, 1927.
Fisk Rubber Company, The Chicopee Falls, Mass., and Cudahy, Wis. Tire patches, tube patches, tire-repair kits, etc. 227,624; May 10; Serial No. 243,148; published Mar. 1, 1927.
Fitzpatrick, Orth, Warsaw, Ind. Ready-mixed paints, paint enamels, varnish. 227,480; May 10; Serial No. 241,610; published Feb. 22, 1927.
Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. 227,613; May 10; Serial No. 242,421; published Mar. 1, 1927.
Franklin Simon & Co. Inc., New York, N. Y. Watches. 227,633; May 10; Serial No. 240,412; published Feb. 15, 1927.
Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Metal plates and steel. 61,509; renewed Mar. 26, 1927.
Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Railway equipment. 62,283; renewed Apr. 30, 1927.
Friedel, J. F., Paper Box Co., Syracuse, N. Y. Mothproof wardrobes, cabinets, and chests. 227,569; May 10; Serial No. 238,961; published Mar. 1, 1927.
Frontenac, B., Co. (See Gauthier, Emile N.)
Gates, Joseph W., Los Angeles, Calif. Automobile polish. 227,485; May 10; Serial No. 241,049; published Feb. 22, 1927.
Gauthier, Emile N., doing business as B. Frontenac Co., Rumford, Me. Malt and hops extract and sirup. 227,710; May 10.
General Motors Corporation, Detroit, Mich. Automobiles. 227,658; May 10; Serial No. 242,371; published Mar. 1, 1927.
Glen-Logan Corporation, Philadelphia, Pa. Macaroons. 227,474; May 10; Serial No. 237,364; published Feb. 22, 1927.
Gold Seal Silk Company. (See Young, Thomas E.)
Goldberg, S. M., Enterprises, Inc., New York, N. Y. Women's and misses' dresses, coats, suits, hats, vests, etc. 227,607; May 10; Serial No. 236,744; published Feb. 22, 1927.
Goodlow Corporation, New York, N. Y. Men's and boys' suits, overcoats, and raincoats. 227,708; May 10.
Goodman & Suss Inc., Rochester, N. Y. Suits and topcoats. 227,709; May 10.
Gotham Silk Hosiery Co. Inc. (See Lord & Taylor, assignor.)
Gries, Joseph M., Battle Mountain, Nev. Laxative chewing gum. 227,612; May 10; Serial No. 242,372; published Mar. 1, 1927.
Gross, George V., doing business as G. V. Gross Company, New York, N. Y. Chemical compound in solid form used as a disinfectant, cleansing agent, etc. 227,564; May 10; Serial No. 241,942; published Mar. 1, 1927.
Guaranteed Machine Company, Seattle, Wash. Woodworking-machinery knives. 227,626; May 10; Serial No 243,268; published Mar. 1, 1927.
Hagerling, F. J., St. Louis, Mo. Boots for the repair of tires. 227,514; May 10; Serial No. 241,943; published Mar. 1, 1927.
Hagerling, F. J., St. Louis, Mo. Metal polish. 227,516; May 10; Serial No. 241,944; published Mar. 1, 1927.
Harlan & Williams, Nashville, Tenn. Overalls and work shirts. 227,618; May 10; Serial No. 242,586; published Mar. 1, 1927.
Harnisch, F. L., Berlin, Germany. Pharmaceutical preparations, plasters, proprietary and veterinary medicine. 227,594; May 10; Serial No. 235,472; published Mar. 1, 1927.
Harnischfeger Corporation, Milwaukee, Wis. Electric traveling cranes, hoists, trolleys, etc. 227,637; May 10; Serial No. 239,806; published Jan. 25, 1927.
Harper, Thomas, to Thomas Harper & Sons, Limited, Redditch, England, successor. Needles. 29,615; renewed Mar. 2, 1927.
Healoderm Laboratories. (See Blake, Anna M.)
Heat Sealing Kant-Burn Company, Chicago, Ill. Refractory cement. 227,520–21; May 10; Serial Nos. 242,002–3; published Mar. 1, 1927.
Heller Bros. Co., The, Youngstown, Ohio. Lumber. 227,511; May 10; Serial No. 241,482; published Mar. 1, 1927.
Henry-Brown Company, Inc., doing business as C. B. Poar, Glendale, Calif. Beverages. 227,621; May 10; Serial No. 242,831; published Mar. 1, 1927.
Hermanson, William A., Boston, Mass. Paper. 227,614; May 10; Serial No. 242,431; published Mar. 1, 1927.
Herman, Horace W., New York, N. Y. Draft regulator. 227,475; May 10; Serial No. 237,413; published Mar. 1, 1927.
Holmes, Woodward, Chicago, Ill. Printed and typed magazine articles and other writings. 227,499; May 10; Serial No. 241,053; published Mar. 1, 1927.
Horst, E. Clements, Co., San Francisco, Calif. Malt sirup for food purposes. 227,575; May 10; Serial No. 215,570; published Feb. 22, 1927.
Hotel Sherman Co., Chicago, Ill. Ginger ale. 227,622; May 10; Serial No. 242,832; published Mar. 1, 1927.
Howell, Charles H., & Co., assignor to Charles H. Howell & Co. Inc., Philadelphia, Pa. Paints and painters' materials. 65,198; renewed Sept. 10, 1927.
Iarussi, Dominick, Cleveland, Ohio. Hair tonic. 227,605; May 10; Serial No. 232,729; published Nov. 2, 1926.
Ice Cream Smack Products Co., doing business as Western Dairy Products Co., Portland, Oreg. Ice Cream. 227,662; May 10; Serial No. 242,590; published Feb. 22, 1927.
Illinois Humane Society, The, Chicago, Ill. Monthly magazine. 65,331; renewed Sept. 17, 1927.
Inderrieden Canning Co., Chicago, Ill. Canned corn, peas, red kidney beans, etc. 227,567; May 10; Serial No. 238,906; published Mar. 1, 1927.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 227,532; May 10; Serial No. 242,340; published Mar. 1, 1927.
Ipswich Mills, Boston, Mass. Hosiery. 227,524; May 10; Serial No. 242,060; published Feb. 22, 1927.
Ironsides Company, The, Columbus, Ohio. Iron paint, roofing paint, etc. 227,482; May 10; Serial No. 240,660; published Feb. 22, 1927.
Jacob, Edward H., doing business as E. H. Jacob, Green Hill Mushroom Farms and Oakbourne Mushroom Farms, West Chester, Pa. Canned mushrooms. 227,525; May 10; Serial No. 242,131; published Mar. 1, 1927.

Johnson, Jas. G., & Co., New York, N. Y. All-silk crepe in the piece. 227,623; May 10; Serial No. 242,891; published Mar. 1, 1927.
Julian & Kokenge Company, The, doing business as The Lape & Adler Company, Cincinnati, Ohio. Leather boots and shoes. 227,595; May 10; Serial No. 235,305; published Jan. 11, 1927.
Junior Candy Company, Milwaukee, Wis. Candy. 227,606; May 10; Serial No. 236,263; published Mar. 1, 1927.
Kamphene Company. (See Bowers, Orrin C., assignor.)
Kaufman, Chas., & Bros., Inc., Chicago, Ill. Men's and boys' outer clothing. 227,522; May 10; Serial No. 242,008; published Feb. 22, 1927.
Kaufmann, K., & Co., Newark, N. J. Combination locks. 227,687; May 10.
Kayser, Julius, & Co., New York, N. Y. Stockings. 227,495; May 10; Serial No. 240,820; published Feb. 22, 1927.
Keen Kola Manufacturing Company, Dallas, Tex. Beverage. 227,539–41; May 10; Serial Nos. 238,504–6; published Mar. 1, 1927.
Keller-Heumann-Thompson Co., Inc., Rochester, N. Y. Suits for men. 227,517; May 10; Serial No. 241,945; published Feb. 22, 1927.
Kettles, J. Finley, South Holland, Ill. Local anæsthetic for the injection into the tissues for minor surgery, etc. 227,698; May 10.
Keystone Steel & Wire Company, Peoria and South Bartonville (Peoria), Ill. Metal gates. 227,696; May 10.
Keystone Varnish Company, Brooklyn, N. Y. House paints. 227,481; May 10; Serial No. 240,554; published Feb. 15, 1927.
King Manufacturing Company, Memphis, Tenn. Pants. 227,592; May 10; Serial No. 235,963; published Feb. 22, 1927.
King Powder Company, The, Cincinnati, Ohio. Gunpowder and particularly black sporting powder. 63,959; renewed July 16, 1927.
Knoxville Fertilizer Company, Knoxville, Tenn. Fertilizer. 227,685; May 10.
Koch Chemical Company. (See Chybke, J. S.)
Kuehn, Norman L., doing business as N. L. Kuehn Company, Milwaukee, Wis. Acid gloves, mittens, aprons. 227,648; May 10; Serial No. 240,556; published Feb. 22, 1927.
Lammerts, Leo, Aix-la-Chapelle, Germany. Needles. 227,494; May 10; Serial No. 240,727; published Mar. 1, 1927.
Lang, Cora E., Niagara Falls, N. Y. Sanitary belts. 227,483; May 10; Serial No. 240,785; published Feb. 22, 1927.
Lape & Adler Company, The. (See Julian & Kokenge Company.)
Latin, Joseph, doing business as Latin Manufacturing Co., Baltimore, Md. Hair tonic. 227,548; May 10; Serial No. 241,533; published Mar. 1, 1927.
Lenk, Walter E., doing business as Belmont Gardens, Belmont, Mass., and East Kingston, N. H. Fertilizer or plant food. 227,486; May 10; Serial No. 241,059; published Mar. 1, 1927.
Leonard Refrigerator Company, Grand Rapids, Mich., assignor to Electric Refrigeration Corporation, Detroit, Mich. Refrigerators and refrigerator parts. 227,692; May 10.
Liddle, John, Co., Inc., Glens Falls, N. Y. Canned vegetables. 227,712; May 10.
Limoges China Company, The, Sebring, Ohio. Coffee. 227,546; May 10; Serial No. 240,611; published Jan. 4, 1927.
Linehan & Molo, Dubuque, Iowa. Coal. 227,668; May 10.
Little, Mildred A., Brooklyn, N. Y. Coffee. 227,656; May 10; Serial No. 242,237; published Feb. 15, 1927.
Lord & Taylor, assignor, by mesne assignments, to Gotham Silk Hosiery Co. Inc., New York, N. Y. Hosiery. 61,276; renewed Mar. 12, 1927.
Los Angeles Examiner, Los Angeles, Calif. Newspaper column. 227,535–6; May 10; Serial Nos. 237,608–9; published Mar. 1, 1927.
Loxley, W. R., & Co. (See Walker, Arthur N.)
Lueders, George, & Co., New York, N. Y. Extracts, compounds, concentrates, and essences. 227,630; May 10; Serial No. 231,154; published Feb. 22, 1927.
Madelon Modes, Inc., New York, N. Y. Hosiery, leather shoes, and suits. 227,678; May 10; Serial No. 201,967; published May 5, 1925.
Majestic Products Corporation, The, Philadelphia, Pa. Liquid polish for gold, silver, and plated ware. 227,671; May 10; Serial No. 227,658; published Apr. 20, 1926.
Malm Bros. & Co., Lindsborg, Kans. Wall felt. 227,508; May 10; Serial No. 241,344; published Mar. 1, 1927.
Maricopa Creamery Co., The, Phoenix, Ariz. Evaporated milk in hermetically-sealed cans, etc. 227,479; May 10; Serial No. 240,271; published Jan. 25, 1927.
Marshall, Ethel L., Winston-Salem, N. C., assignor to Dryad Mills Company, Winston-Salem, N. C. Knit underwear, skirts, sweaters, hosiery. 227,676; May 10; Serial No. 187,753; published Jan. 15, 1924.
Martin-Senour Company, The, Chicago, Ill. Nitrocellulose lacquers and enamels, etc. 227,661; May 10; Serial No. 242,485; published Feb. 22, 1927.
McDavitt, William E., doing business as McDavitt Brothers, Brownsville, Tex. Fresh vegetables. 227,601; May 10; Serial No. 234,219; published Mar. 1, 1927.
McGill, James S., doing business as The Pittsburgh Caulking Company, Pittsburgh, Pa. Caulking compound. 227,570; May 10; Serial No. 238,984; published Feb. 22, 1927.
Meadow Press, Inc., New York, N. Y. Magazine. 227,650; May 10; Serial No. 240,674; published Mar. 1, 1927.
Mechanische Weberei zu Linden, Hanover-Linden, Germany, to Mechanische Weberei zu Linden, Linden, Germany. Velveteens. 29,781; renewed Apr. 6, 1927.
Menihan Company, The, Rochester, N. Y. Shoes and pumps. 227,500; May 10; Serial No. 241,061; published Mar. 1, 1927.
Merckens Chocolate Co., Inc., Buffalo, N. Y. Preparation of malt, milk, sugar, and cocoa. 227,484; May 10; Serial No. 240,989; published Feb. 22, 1927.
Meyer & Lange, Inc., New York, N. Y. Canned caviar. 227,512; May 10; Serial No. 240,825; published Mar. 1, 1927.
Miehle Printing Press & Manufacturing Company, Chicago, Ill. Cylinder printing presses. 30,070; renewed May 18, 1927.
Millards Dress Shop Inc., Philadelphia, Pa. Dresses, waists, skirts, underwear, etc. 227,716; May 10.
Minneapolis Brewing Company, Minneapolis, Minn. Beer and porter. 30,089; renewed May 25, 1927.
Minneapolis Brewing Company, Minneapolis, Minn. Beer, malt tonic, ale, and porter. 30,283; renewed June 29, 1927.
Minton, Rolla J., doing business as Minton's Syrup Co., San Francisco, Calif. Malt sirup. 227,713; May 10.
Munsch, Charles M., Portland, Pa. and New York, N. Y. Toilet water. 227,641; May 10; Serial No. 239,995; published Mar. 1, 1927.
National Percolator Company, Los Angeles, Calif. Filtering material composed of charcoal, etc. 227,691; May 10.
National Products Corporation of America, Chicago, Ill. Automobile tires of rubber, etc. 227,701; May 10.
National Shirt Shops, Inc., New York, N. Y. Shirts. 227,707; May 10.
Niagara Knitting Co., Inc., New York, N. Y. Bathing suits. 227,526; May 10; Serial No. 242,204; published Mar. 1, 1927.
Nitragin Company, Inc., The, Milwaukee, Wis. Plant food. 227,490; May 10; Serial No. 241,832; published Mar. 1, 1927.
Oakdale Baking Company, assignor to American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 65,408; renewed Sept. 24, 1927.
Olmsted, Allen S., Le Roy, N. Y. Powders for the feet. 30,551; renewed Sept. 14, 1927.
Ono Trading Co. (See Tatsukawa, Naosaburo.)
Osram G. m. b. H. Kommanditgesellschaft. (See Deutsche Gasglühlicht-Aktiengesellschaft (Auergesellschaft), assignor.)
Ozan, Joses C., Houston, Tex. Medicine put up in liquid form. 227,644; May 10; Serial No. 240,437; published Mar. 1, 1927.
Palmer, Homer W., & Company, Chicago, Ill. Drying composition for printing ink. 227,659; May 10; Serial No. 242,391; published Mar. 1, 1927.
Parker Bros., to Parker Brothers, Incorporated, Salem, Mass., successor. Parlor-game apparatus. 29,071; renewed Mar. 9, 1927.
Parker, Frederick, doing business as Usatex Mfg. Co., Houston, Tex. Mattresses and pillows. 227,635; May 10; Serial No. 239,486; published Mar. 1, 1927.
Peck & Peck, New York, N. Y. Hosiery. 227,527; May 10; Serial No. 242,251; published Mar. 1, 1927.
Penny, J. C., Company, Wilmington, Del., and New York, N. Y. Toilet and bath soaps. 227,619; May 10; Serial No. 242,690; published Mar. 1, 1927.
Pensacola Candy Co., Pensacola, Fla. Candy. 227,562; May 10; Serial No. 241,900; published Mar. 1, 1927.
Periometer Co. Inc., The, Long Island City, N. Y. Devices actuated automatically by the gear of vehicles to indicate the route to be taken and to display advertisements. 227,493; May 10; Serial No. 240,212; published Mar. 1, 1927.
Perkins Goodwin Company, The, New York, N. Y. Book and printing paper. 227,523; May 10; Serial No. 242,021; published Mar. 1, 1927.
Perolin Company of America, The, Chicago, Ill. Boiler compound. 227,528; May 10; Serial No. 242,253; published Mar. 1, 1927.
Pittsburgh Caulking Company, The. (See McGill, James S.)
Plankinton Packing Company, Milwaukee, Wis. Fresh and cold-storage eggs. 227,681; May 10; Serial No. 210,982; published Mar. 2, 1926.
Poar, Charles B. (See Henry-Brown Company.)
Pollack, Augustus, Estate of, Inc., Wheeling, W. Va. Cigars. 227,547; May 10; Serial No. 241,524; published Mar. 1, 1927.
Prest-O-Lite Company, The, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., New York, N. Y. Portable tanks for compressed acetylene gas. 65,3444; renewed Sept. 17, 1927.

Pyrene Manufacturing Company, Newark, N. J. Acid siphons. 227,664; May 10; Serial No. 242,797; published Mar. 1, 1927.

Radio Pack Company, Inc., New York, N. Y. Heating appliance. 227,629; May 10; Serial No. 230,314; published Feb. 15, 1927.

Rasse Wholesale Grocer Co., Fairbury, Nebr. Canned pumpkin, string beans, hominy, etc. 227,345; May 10; Serial No. 238,742; published Mar. 1, 1927.

Rawls, W. J., doing business as Rawls Drug Company, Dallas, Tex. Preparation for the treatment of chills, fever, malaria, etc. 227,608; May 10; Serial No. 236,771; published Jan. 11, 1927.

Red Fern Manufacturing Company, Spokane, Wash. French dressing. 227,609; May 10; Serial No. 236,772; published Feb. 22, 1927.

Reeves & Sons Limited, London, England. Notebooks, chalk holders, and ungraduated wooden rulers. 227,562; May 10; Serial No. 221,772; published Mar. 1, 1927.

Regal Blouse Company, The, Cleveland, Ohio. Women's blouses, dresses, coats, etc. 227,600; May 10; Serial No. 234,298; published Feb. 22, 1927.

Reliance Manufacturing Company, Chicago, Ill. Work shirts. 227,649; May 10; Serial No. 240,568; published Feb. 22, 1927.

Research Club, Inc., Chicago, Ill. Polish for metal and compounds for cleaning enameled surfaces and upholstered fabrics. 227,596; May 10; Serial No. 235,073; published Mar. 1, 1927.

Revere Knitting Mills Inc., Walden, Mass. Knitted sweaters and hosiery. 227,589; May 10; Serial No. 235,618; published Feb. 22, 1927.

Rhoads, J. E., & Sons, Philadelphia, Pa. Flat belt leather and hydraulic leather. 227,552; May 10; Serial No. 241,671; published Feb. 22, 1927.

Rhoads, J. E., & Sons, Philadelphia, Pa. Lug straps, loom straps, harness straps, etc. 227,553; May 10; Serial No. 241,674; published Mar. 1, 1927.

Rhoads, J. E., & Sons, Philadelphia, Pa. Whole soles, half soles, etc. 227,554; May 10; Serial No. 241,675; published Mar. 1, 1927.

Rice and Hutchins, Incorporated, Boston, Mass. Boots and shoes. 227,518; May 10; Serial No. 242,144; published Feb. 22, 1927.

Richards, Robert J., doing business as W. M. Watson & Company, Chicago, Ill. Fresh vegetables. 227,667; May 10; Serial No. 226,374; published Mar. 1, 1927.

Ries, Jacob, to Jacob Ries Bottling Works, Inc., Shakopee, Minn., successor. Mineral waters. 61,278; renewed Mar. 12, 1927.

Ries, Jacob, to Jacob Ries Bottling Works, Inc., Shakopee, Minn., successor. Table waters. 62,027; renewed Apr. 16, 1927.

Ripstra, John H., Chicago, Ill. Diesinking and metal-working press machinery. 227,504; May 10; Serial No. 241,242; published Mar. 1, 1927.

Roberts & Oake, Chicago, Ill. Bacon. 227,705; May 10; Roddenbery, Walter B., Cairo, Ga. Table sirup. 227,663; May 10; Serial No. 242,620; published Feb. 22, 1927.

Roderick Lean Manufacturing Company, The, assignor to The Roderick Lean Co., Mansfield, Ohio. Harrows, drills, and cultivators. 60,738; renewed Feb. 19, 1927.

Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Shingles and shingle strips. 227,683; May 10.

Ruboil Belting Company, Philadelphia, Pa. Belting. 227,632; May 10; Serial No. 237,247; published Mar. 1, 1927.

S. & H. Novelty Company, Atlantic City, N. J. Toy dogs. 227,697; May 10.

St. Jacobs Oil, Limited, London, E. C., England, and Baltimore, Md., assignor to Wyeth Chemical Company, Jersey City, N. J. Medicine. 64,507; renewed Aug. 13, 1927.

Salinas Land Company, King City, Calif. Fresh vegetables. 222,627; May 10; Serial No. 243,286; published Mar. 1, 1927.

Sanborn-Cutting Company, Astoria, Oreg. Canned vegetables and berries. 227,586; May 10; Serial No. 223,869; published Mar. 1, 1927.

Schaarschmidt, Louis H., to Louis H. Schaarschmidt Gesellschaft mit beschränkter Haftung Limbach, Germany, Successor. Men's knit undershirts and knit drawers. 62,438; renewed May 7, 1927.

Scherk, Ludwig, doing business as Parfümerie Scherk, Berlin, Germany. Perfumery, incense, rouge, lip sticks, etc. 227,577; May 10; Serial No. 217,640; published Sept. 7, 1926.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 227,625; May 10; Serial No. 243,175; published Mar. 1, 1927.

Schranck, H. C., Company, Milwaukee, Wis. Extracts, sirups, and concentrates for making beverages. 227,639; May 10; Serial No. 239,899; published Mar. 1, 1927.

Security Mills, Inc., Newton, Mass., and New York, N. Y. Knitted textile fabrics composed of cotton, silk, wool, or combinations thereof. 227,699; May 10.

Selfseal Pressure Cooker Company, Inc., Jamaica, N. Y. Pressure cookers. 227,684; May 10.

Sherman, John Q., doing business as The Travelsafe Company, Dayton, Ohio. Locks. 227,660; May 10; Serial No. 242,445; published Mar. 1, 1927.

Sherro Company. (See Bloodworth, Julian F.)

Sign of the Mermaid, Detroit, Mich. Books, prints—namely, old etchings, lithographs, wash drawings, etc. 227,631; May 10; Serial No. 232,357; published Mar. 1, 1927.

Simpson, Evelyn L., Ocean City, N. J. Pie marker and trimmer. 227,703; May 10.

Skaruda, Ludwig, Riverside, Ill. Hair bands made of celluloid or like material. 227,509; May 10; Serial No. 241,446; published Mar. 1, 1927.

Smiley, Rhea M., doing business as Smiley Medicine Co., Augusta, Kans. Preparation for use in the treatment of the teeth and gums, etc. 227,674; May 10; Serial No. 227,814; published Jan. 4, 1927.

Smith, Kline & French Company, Philadelphia Pa. Medicine for diseases of the nervous system. 227,550; May 10; Serial No. 241,587; published Mar. 1, 1927.

Société Lorraine des Anciens Etablissements de Dietrich & Cie. de Lunéville, Paris, France. Automobiles, and parts thereof, except rubber tires. 60,089; renewed Jan. 29, 1927.

South Bend Bait Co., South Bend, Ind. Artificial fishing bait. 227,563; May 10; Serial No. 241,908; published Mar. 1, 1927.

Southern Sweet Potato Exchange Incorporated, Sunset, La. Fresh vegetables. 227,634; May 10; Serial No. 239,152; published Mar. 1, 1927.

Southwark Food Products Co., Philadelphia, Pa. Malt sirup for food purposes. 227,704; May 10.

Standard Cork Insulation Company, Limited, now, by change of name, Standard Cork Company Limited, London, England. Boards for heat-insulating purposes, cork being the predominating material. 227,574; May 10; Serial No. 213,264; published Mar. 1, 1927.

Star Canning Co., Lindale, Tex. Canned berries and vegetables. 227,668; May 10; Serial No. 226,694; published Feb. 22, 1927.

Stockwell, Arthur F., Worcester, Mass. Food-flavoring extracts. 227,477; May 10; Serial No. 230,205; published Feb. 22, 1927.

Stuart Sebastian Fish Co., Seattle, Wash. Canned fish. 227,534; May 10; Serial No. 237,196; published Mar. 1, 1927.

Sure Grip Belt Dressing Company. (See Wiese, Rudolph A.)

Syracuse Washing Machine Corporation. (See Zulli, Walter J., assignor.)

Tatsukawa, Naosaburo, doing business as Ono Trading Co., San Francisco, Calif. Canned tunny fish. 227,677; May 10; Serial No. 189,598; published Mar. 1, 1927.

Teideman, John, Ashton A. Marshall & Harvey W. Kaya, New York, N. Y. Massage vibrators. 227,487; May 10; Serial No. 241,305; published Feb. 22, 1927.

Travelsafe Company, The. (See Sherman, John Q.)

Travel-Suds Company, Inc., New York, N. Y. Soap. 227,616; May 10; Serial No. 242,556; published Mar. 1, 1927.

Turner & Vandam, Inc., New York, N. Y. Cotton, cotton and silk, and cotton and rayon fabrics. 227,638; May 10; Serial No. 239,869; published Mar. 1, 1927.

Twining Oil Company, Twining, Mich. Gasoline. 227,669; May 10; Serial No. 226,793; published Mar. 23, 1926.

United Engineering & Foundry Company, Pittsburgh, Pa. Publication. 227,533; May 10; Serial No. 237,004; 227,048; published Mar. 1, 1927.

United States Shoe Company, The, Cincinnati, Ohio. Shoes. 227,680; May 10; Serial No. 209,553; published May 12, 1925.

Usatex Mfg. Co. (See Parker, Frederick.)

Vereinigte Farben- & Lackfabriken, Munich, Germany. Water colors of all kinds and colors for ceramic and photographic purposes. 227,670; May 10; Serial No. 227,048; published Mar. 1, 1927.

Victor Talking Machine Company, Camden, N. J. Talking machines and talking-machine records. 64,976; renewed Sept. 3, 1927.

Vino Sano Co., San Francisco, Calif. Nonalcoholic, maltless grape-juice compound. 227,711; May 10.

Virginia Harlan Coal Corporation, Pineville, Ky. Coal. 227,679; May 10; Serial No. 205,500; published Mar. 1, 1927.

Walker, Arthur N., doing business as W. R. Loxley & Co., New York, N. Y. Preserved Chinese ginger. 227,480; May 10; Serial No. 240,464; published Feb. 8, 1927.

Walker Properties Association, Austin, Tex. Preparation in powdered form composed of chili pepper and other ingredients. 227,491; May 10; Serial No. 242,161; published Feb. 22, 1927.

Wall Street Iconoclast, New York, N. Y. Monthly publication. 227,598; May 10; Serial No. 235,007; published Mar. 1, 1927.

Warner-Quinlan Company, New York, N. Y. Lubricating oil, grease, etc. 227,666; May 10; Serial No. 229,312; published Nov. 16, 1926.

Watson, W. M. & Company. (See Richards, Robert J.)

Weatherill, Geo. D., & Co., Inc., Philadelphia, Pa. Varnishes and paint enamels. 227,573; May 10; Serial No. 212,767; published Feb. 22, 1927.

Weaver Apparel Company, The, Elizabethville, Berryburg, Enders, Rife, and Trevorton, Pa. Shirts. 227,640; May 10; Serial No. 239,953; published Feb. 22, 1927.

Weschcke, Ernest J., Springfield, assignor to The Adlerika Company, St. Paul, Minn. Plaster and a proprietary medicine. 65,408; renewed Sept. 24, 1927.

Western Dairy Products Co. (See Ice Cream Samack Products Co.)

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Instruments for measuring and recording voltage surges. 227,652; May 10; Serial No. 240,795; published Mar. 1, 1927.

Weston Paper & Manufacturing Company, The, Dayton, Ohio. Heavy straw paper. 227,593; May 10; Serial No. 235,990; published Oct. 19, 1926.

Weston Paper & Manufacturing Company, The, Dayton, Ohio. Heavy straw paper. 227,604; May 10; Serial No. 233,594; published Oct. 19, 1926.

White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 227,538; May 10; Serial No. 238,416; published Jan. 18, 1927.

Whitehead, Daisy, Knitting Co., New York, N. Y. Hosiery. 227,617; May 10; Serial No. 242,574; published Mar. 1, 1927.

Whitted, Edward E., Calexico, Calif. Melons and fresh vegetables. 227,602; May 10; Serial No. 234,180; published Mar. 1, 1927.

Wiese, Rudolph A., doing business as Sure Grip Belt Dressing Company, Winona, Minn. Belt dressing and brake dressing. 227,706; May 10.

Williams, R. C., Co. Inc., New York, N. Y. Canned vegetables. 227,544; May 10; Serial No. 238,631; published Mar. 1, 1927.

Wilson-Collier Co. Inc., Boston, Mass. Children's dresses, rompers, and boys' suits. 227,529; May 10; Serial No. 242,204; published Mar. 1, 1927.

Wyeth Chemical Company. (See St. Jacobs Oil, Limited, assignor.)

Yaqui Fruit Co., Los Angeles, Calif., and Sonora, Mexico. Fresh citrous and deciduous fruits, melons, lettuce, tomatoes, peas, etc. 227,576; May 10; Serial No. 217,127; published Mar. 1, 1927.

Young, Thomas E., doing business as Gold Seal Silk Company, Dallas, Tex. Hosiery. 227,558; May 10; Serial No. 241,801; published Feb. 22, 1927.

Yvette Co., New York, N. Y. Toilet preparation. 227,518; May 10; Serial No. 241,976; published Mar. 1, 1927.

Zonite Products Company, New York, N. Y. Antiseptic germ destroyer, disinfectant, deodorant, and bleach. 227,673; May 10; Serial No. 228,077; published May 4, 1926.

Zulli, Walter J., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Washing machines. 61,797; renewed Apr. 2, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Adamson, Isaac G., doing business as I. G. Adamson Company, San Benito, Tex. Frontier. For Fresh Tomatoes. 32,045; May 10.

Ancona Brothers Wholesale Grocer Company, Omaha, Nebr. Luna. For Olive Oil. 32,046; May 10.

Big G. Products Co., Chicago, Ill. Big G.—Wonder Cleaner. For Cleaning Compound. 32,047; May 10.

Booth Bottling Co., Inc., Philadelphia, Pa. Booth's Pale Dry Ginger Ale. For Ginged Ale. 32,048; May 10.

Boric-Cide Laboratories. (See Ward, Robert C.)

Bowlby, Charles, Lynn, Mass. Cootie Game. For a Game. 32,049; May 10.

Colbert, J. H., doing business as Lincoln Packing Co., San Francisco, Calif. Holsum. For Canned Evaporated Milk. 32,050; May 10.

D N T Laboratories, Inc. (See Neighbors, Sidney W.)

De Rosa, Frank, New York, N. Y. De Rosa's Houston Coffee. For Roasted Coffee. 32,051; May 10.

Dew Drop Lotion Co. (See Mitchell, George D.)

Diel Grund Company, St. Louis, Mo. The Lady Slipper. For Hosiery. 32,052; May 10.

Diel Grund Company, St. Louis, Mo. The Rose. For Hosiery. 32,053; May 10.

Diel Grund Company, St. Louis, Mo. The Mum. For Hosiery. 32,054; May 10.

Drug Products Co. Inc., The, Long Island City, N. Y. Ointment No. 28 Alpicain. For Medicinal Preparation. 32,055; May 10.

Drug Products Co. Inc., The, Long Island City, N. Y. Lozenges No. 12 Iothesin. For Medicinal Preparation. 32,056; May 10.

Drug Products Co. Inc., The, Long Island City, N. Y. Ointment No. 29 Nesrin. For Medicinal Preparation. 32,057; May 10.

First National Laboratories Inc., Lehighton, Pa. Dr. Whites Cold and Grippe Pills. For Medicine for the Relief of Colds, Headache, and Grippe. 32,058; May 10.

Foot-Care Co., Findlay, Ohio. Parker's Foot-Care. For Foot Powder. 32,059; May 10.

Gem Knitting Mills, Philadelphia, Pa. It's a Gem Sportwear, or Knit Goods. 32,060; May 10.

Gershenfeld, Louis, Philadelphia, Pa. Belgium Dry. For Ginger Ale. 32,061; May 10.

Hanan, Clara M., Shoreham, N. Y. Argentine Chili Sauce. For Chili Sauce. 32,062; May 10.

Haserot Company, The, Cleveland, Ohio. Porto Rican Gold Brand Fancy Grapefruit. For Canned Grapefruit. 32,063; May 10.

Jack Bros. & McBurney Co., Brawley, Calif. Long Green. For Fresh Asparagus. 32,064; May 10.

Kemp, Edward F., Somerville and Boston, Mass. Salted Mixed Nuts. For Salted Mixed Nuts. 32,065; May 10.

Kemp, Edward F., Somerville and Boston, Mass. Salted Almonds. For Salted Almonds. 32,066; May 10.

Kemp, Edward F., Somerville and Boston, Mass. Salted Pecans. For Salted Pecans. 32,067; May 10.

Kemp, Edward F., Somerville and Boston, Mass. Salted Peanuts. For Salted Peanuts. 32,068; May 10.

Kemp, Edward F., Somerville and Boston, Mass. Salted Cashew Nuts. For Salted Cashew Nuts. 32,069; May 10.

Kerry Tube & Tire Patch Co. (See Schlesinger, Albert E.)

Lincoln Packing Co. (See Colbert, J. H.)

Lipps, Frederick W., Co., Inc., Baltimore, Md. Lipps Cordial Cherries. For Chocolate-Covered Cordial Cherries. 32,070; May 10.

McClintock, George W., Cincinnati, Ohio. Eublen. For Coffee Mixture. 32,071; May 10.

McInnis, Emmet J., doing business as E. J. McInnis Co., St. Louis, Mo. Embrocation. For Liniment for Relief of Rheumatism. 32,072; May 10.

Mitchell, George D., doing business as Dew Drop Lotion Co., St. Louis, Mo. Dew Drop Lather Lotion. For Shaving Lotion. 32,073; May 10.

Monteverde, Rolandelli & Parodi, Inc., San Francisco, Calif. Tigre. For Tunny Fish. 32,074; May 10.

Neighbors, Sidney W., doing business as D N T Laboratories, Inc., Los Angeles, Calif. Lyk-Wyte. For a Skin Bleach. 32,075; May 10.

Pabst Corporation, Milwaukee, Wis. Pabst AA. For Malt Sirup for Food and Beverage Purposes. 32,076; May 10.

Paver, J. M., Company, Chicago, Ill. See it in Glass—Buy it in Tin! For Canned Pears. 32,077; May 10.

Raymond Manufacturing Co., Inc., San Francisco, Calif. Lilacko Spray. For Insecticides and Deodorants. 32,078; May 10.

Rock Island Brewing Company, Rock Island, Ill. Cross Country Malt Syrup. For Hop-Flavored Malt Sirup. 32,079; May 10.

Roth, Otto, Inc., Newark, N. J. Radium—The Better Blade. For Razor Blades and Safety-Razor Blades. 32,080; May 10.

Schaefer's, Mrs., Cakes, Inc., Los Angeles, Calif. Mrs. Schaefer's Delicious. For Cake. 32,081; May 10.

Schlesinger, Albert E., doing business as Kerry Tube & Tire Patch Co., St. Louis, Mo. Kerry Patch. For Tire Patch. 32,082; May 10.

Schneider, John M., Detroit, Mich. The Starry Puzzler. For a Puzzle. 32,083; May 10.

Snider, T. A., Preserve Co., The, Rochester, N. Y., and Chicago, Ill. Snider's. For Canned Corn. 32,084; May 10.

Solomon, Nat L., New York, N. Y. Klean Kans. For Paper Bags Used for Liners of Garbage Pails. 32,085; May 10.

Stege, John R., Big Cedar Lake, West Bend Post Office, Wis. 10A. Haemozon. For Medical Preparation. 32,086; May 10.

Thompson's Malted Food Company, Waukesha, Wis. Thompson's Chocolate Flavor Egg Malted Milk. For Egg-Malted Milk. 32,087; May 10.

Ward, Robert C., doing business as Boric-Cide Laboratories, North Little Rock, Ark. Boric-Cide. For Skin and Scalp Remedy. 32,088; May 10.

Willson Goggles, Inc., Reading Pa. Dr. Willson's Dust and Spray Mask. For Respirators. 32,089; May 10.

Wood, Ashford M., Chicago, Ill. Whipped Cream Caramels. For Candy. 32,090; May 10.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Alcorn Combustion Company, Philadelphia, Pa. Radiant Heat Furnaces. For Caborundum Furnaces. 9,815; May 10.

American Spectacle Co., Inc., New York, N. Y. Azurine. For Lenses. 9,816; May 10.

B. V. D. Company, Inc., The, New York, N. Y. Our Cotton Mill and Village. For Athletic Underwear. 9,817; May 10.

B. V. D. Company, Inc., The, New York, N. Y. Over 60 Sizes for Widely Varying Builds. For Athletic Underwear. 9,818; May 10.

Boyt Company, The, Des Moines, Iowa. Breadwinner Harness—A Boyt Made Harness at a Low Price. For Harnesses. 9,819; May 10.

Boyt Company, The, Des Moines, Iowa. The Boyt Harness, the Standard Work Harness of America. For Harnesses. 9,820; May 10.

Brown, Russell H., Kingston, Pa. Dental Health. For a Dental Kit Comprising a Carton Including Dental Supplies. 9,821; May 10.

Corrective Foot Appliance Company, Long Beach, Calif. Leave Your Foot Pains With Us. For Foot Appliances. 9,822; May 10.

D & C Co. Inc., The, Wilmington, Del., and Brooklyn, N. Y. For Dessert My-T-Fine. For Dessert Preparations. 9,823; May 10.

Eugene Ltd., New York, N. Y. Setagène Hair Setting Lotion. For Hair Preparations. 9,824; May 10.

Jordan, O. F., Company, East Chicago, Ind. Jordan Track Oiler Spraying Machine. For Track Oiler and Spraying Machines. 9,825; May 10.

Julian Products Co. (See Perlzweig, Julia.)

Perlzweig, Julia, doing business as Julian Products Co., Yonkers, N. Y. The Kum-4-Ett—A Part of Mi-Lady's Wardrobe! For Sanitary Garments. 9,826; May 10.

Sayman, T. M., Products Company, St. Louis, Mo. The Soap Plant of the West. For Sayman's Vegetable Wonder Soap. 9,827; May 10.

Standard Oil Company (New Jersey), Bayonne, N. J. Head Cold Goes this Easy Way—Mistol. For Nose and Throat Spray. 9,828; May 10.

Tancill, Grace, St. Louis, Mo. Grace Tancill Two-Piece Jersey Dress Model VII. For Dresses. 9,829; May 10.

Tancill, Grace, St. Louis, Mo. Grace Tancill Jersey Suit Model VIII. For Dresses. 9,830; May 10.

Tenney, Leon P., San Francisco, Calif. Arotrol. For Device to be Attached to the Aerial Circuit of a Radio, or to the Aerial Circuit of a Radio Set and to the Ground Circuit. 9,831; May 10.

Universal Cooler Corporation, Detroit, Mich. The Universal Cooler Fills a Universal Need. For Automatic Refrigerating Units. 9,832–3; May 10.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acheson Harden Co., The, New York, N. Y. Handkerchiefs. 246,994; May 10.

Advance Neckwear Co., New York, N. Y. Cravats, four-in-hand ties, bow ties, and necktles. 245,950; May 10.

Aenchbacher Bros., Covington, Ga. Bread, cakes, and cookies. 227,336; May 10.

Agnost, Peter, Omaha, Nebr. Skin bleach and beautifier. 244,645; May 10.

Alberta Candy Co. Inc., San Francisco, Calif. Candy. 245,606; May 10.

All-Henry Coil Company. (See Roe, V. V.)

Alliance Clay Products Co., The, Alliance, Ohio. Face brick, common brick, and fireproofing tile. 245,684; May 10.

American Cellulose & Chemical Manufacturing Company, Ltd., The, New York, N. Y. Dresses, coats, bloomers, underwear, etc. 239,347; May 10.

American Press Board Co. (See Bass & Goldberg.)

American Press, The, New York, N. Y. Publication. 246,802; May 10.

American Press, The, New York, N. Y. Publication. 246,804; May 10.

American Road Machinery Company, Kennett Square, Pa. Distributing and dumping wagons and road oil distributors. 228,399; May 10.

American Stores Company, Philadelphia, Pa. Coffee, paprika, bacon, cracker meal, canned apricots, etc. 220,832; May 10.

American Trade Publishing Co., New York, N. Y. Magazine. 246,880; May 10.

Anderson, Wm., Co., Stockton, Calif. Waterproof paint in ready-mixed form. 245,314; May 10.

Arveo Industries, Grosse Ile, Mich. Preparation for preventing moths, etc. 244,127; May 10.

Associated Druggists of New Jersey, Newark, N. J. Sanitary napkins. 241,856; May 10.

Atlas Gypsum Corporation, The, New York, N. Y. Gypsum. 244,271; May 10.

Audak Company. (See Weil, Maximilian.)

Augstein, S., & Co., New York, N. Y. Sweaters and bathing suits. 244,811; May 10.

B & K Company, Incorporated, New Milford, N. J. Ointment. 243,339; May 10.

Baker & Co. Inc., Newark, N. J. Dental alloys. 245,464; May 10.

Barrell, William L., Co. of New York, Inc., New York, N. Y. Cotton duck in the piece. 244,972; May 10.

Baruch, Paul L., Publishing Co. Incorporated, The, New York, N. Y. Greeting cards, posters, pictures, advertising cards, circulars, etc. 241,802; May 10.

Bass and Goldberg, doing business as American Press Board Co., New York, N. Y. Dry-cleaning fluid for fabrics and other materials. 228,169; May 10.

Baughman, R. J., sr., Greensburg, Pa. Insect and vermin destroyer. 246,659; May 10.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 245,777; May 10.

Beggs, C. W., Sons & Co., Chicago, Ill. Dandruff remover and preventer. 230,867; May 10.

Belknap Hardware & Manufacturing Company, The, Louisville, Ky. Asphalt roofing. 245,323; May 10.

Bellmore Manufacturing Company, Gainesville, Ga. Overalls, overall union suits, work shirts, and work pants. 244,346; May 10.

Ben-Burk, Inc., Boston, Mass. Malt sirup. 246,731–2; May 10.

Ben-Burk, Inc., Boston, Mass. Malt sirup. 246,735; May 10.

Bennett, George E., doing business as E. W. Bennett & Co., San Francisco, Calif. Metal polishes. 246,384; May 10.

Bethlehem Fabricators, Inc., Bethlehem, Pa. House organ. 243,640; May 10.

Blue Diamond Coal Company, Knoxville, Tenn. Coal. 245,326; May 10.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Phonographs and parts thereof and supplies therefor. 245,888; May 10.

Butterfield, Fred & Co. Inc., New York, N. Y. Rayon fabric in the piece. 247,001; May 10.

Cenol Company, Chicago, Ill. Moth destroyer, bedbug destroyer, insect powder, etc. 244,983; May 10.

Central Scientific Company, Chicago, Ill. Aluminum rod, brass sheet, copper wire, nickel sheet, etc. 213,001; May 10.

Certified Extracts Inc., New York, N. Y. Food-flavoring extracts. 225,399; May 10.

Chappel Bros., Inc., Rockford, Ill. Prepared food for dogs, cats, and other carnivorous animals. 246,889; May 10.

Chappell, J. B., Inc., Philadelphia and Manayunk, Philadelphia, Pa. Paints, varnishes, and paint enamels. 243,305; May 10.

Charles, Burton R., doing business as Charles Radium Laboratories, Los Angeles, Calif. Electroradium belts for therapeutic use. 244,985; May 10.

Charlier, Camille, and Abraham Errera, Brussels, Belgium. Metal cans and kettles for cooking. 244,134; May 10.

Chaussures Bally, Société Anonyme de Fabrication, Schoenenwerd, Switzerland. Boots, shoes, sandals, moccasins, and bath slippers. 245,472; May 10.

Chetelat, André Co., Baltimore, Md. Cocoa. 246,325; May 10.

China Lady, The. (See Cummings, Christabel.)

Cincinnati Auto Specialty Co., The, Cincinnati, Ohio. Fabric door and seat covers for automobiles. 246,332; May 10.

Citrus Growers Association. (See Manatee County Citrus Sub-Exchange.)

Clinton Cartridge Company. (See Sears, Roebuck and Co.)

Cole Chemical Company, St. Louis, Mo. General laxative. 245,050; May 10.

Cole, Elizabeth J., Lowell, Mass. Cleaners and polishers for aluminum, copper, brass, etc. 246,106; May 10.

Colgate & Company, Jersey City, N. J. Soap, soap powder, soap chips, soap flakes, etc. 245,780; May 10.

Colonial Leather Goods Co. Inc., New York, N. Y. Belts. 245,694; May 10.

Colson Company, The, Elyria, Ohio. Bicycles. 228,301; May 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Compagnie d'Applications Mécaniques, Paris, France. Spring pneumatic or hydraulic suspensions, leaf springs, spring brakes, etc. 234,503; May 10.

Companion Publishing Company. (See Young, Anthony G., assignor.)

Compress Buckle Company, Fort Worth, Tex., and Attalla, Ala. Buckles for cotton-bale ties. 244,986; May 10.

Constructive Publishing Company, New York, N. Y. Magazine. 246,394; May 10.

Continental Bank-Supply Company, Mexico, Mo. Bank supplies. 227,828; May 10.

Continental Rubber Company of New York, New York, N. Y. Crude rubber. 245,475; May 10.

Cortland Line Co. Inc., Cortland, N. Y. Fishing lines. 246,600; May 10.

Coy, Disbrow & Co., Inc., New York, N. Y. Paper in rolls and sheets. 244,290; May 10.

Crawford, Harry T., doing business as Doc's Auto Products Co., Lansing, Mich. Polish for automobiles, etc. 226,847; May 10.

Cummings, Christabel, doing business as The China Lady, Philadelphia, Pa. Candy. 246,153; May 10.

Dalton Hat Co. Inc., Yonkers, N. Y. Men's hats. 245,083–4; May 10.

Deceleco, Inc., Wayne, Mich. Artificial stone for electrical insulation and electric barriers, etc. 244,992; May 10.

Degener, Armin, Inc., New York, N. Y. Jewel boxes, sewing baskets, perfume boxes, etc. 241,036; May 10.

Delaware Indian Remedies Co., The. (See Kirk, John R.)

Dennison Manufacturing Company, Framingham, Mass. Crepe-paper outfit. 243,201; May 10.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 244,751–53; May 10.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 244,756; May 10.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 244,759–60; May 10.

Doc's Auto Products Co. (See Crawford, Harry T.)

Doctors' Essential Foods Co., Inc., New York, N. Y. Bread. 245,831; May 10.

Draper-Maynard Company, The, Plymouth, N. H. Golf balls. 246,468; May 10.

Dryice Corporation of America, New York and Long Island City, N. Y. Empty containers adapted for storage, transportation, etc. 211,339; May 10.

Dudley, B. C., Coal Company, Indianapolis, Ind. Coal. 244,551; May 10.

Dugan Brothers, Inc., Brooklyn, N. Y. Magazine. 246,469; May 10.

Duplan Silk Corporation, New York, N. Y. Textile fabrics. 245,428; May 10.

Eager, Honor L., doing business as Good Luck Products Company, Sheepshead Bay, Brooklyn, N. Y. Garters. 238,054; May 10.

Eagle Leather Goods Company, Philadelphia, Pa. Suitcases, fitted cases, and hand bags. 232,721; May 10.

Edward Valve and Manufacturing Co., The, East Chicago, Ind. Valves for controlling the flow of fluids. 236,307; May 10.

Electrical Research Laboratories, Chicago, Ill. Radio receiving sets and parts thereof. 244,674–6; May 10.

Eothen Mfg. Co., The, Cleveland, Ohio. Chocolate laxative. 245,345; May 10.

Every Buddy Blouse Co., New York, N. Y. Boys' blouses and dress shirts. 243,355; May 10.

Fagersta Bruks Aktiebolag, Fagersta, Sweden. Saw-blade blanks, rolled and hammered steel, and drawn steel. 233,926; May 10.

Feist, Max, Inc., New York, N. Y. Velvets in the piece. 236,923; May 10.

Ferris, James V., Colorado Springs, Colo. Preparation for the treatment of skin diseases. 245,260; May 10.

Filler & Fiebig, Berlin, Germany. Drawing and tracing paper, writing stencils, fountain pens, etc. 243,485; May 10.

Fishman, Hyman, doing business as H. Fishman Paper Co., New York, N. Y. Wrapping paper, wax paper, and toilet paper. 245,088; May 10.

Fiske & Company, Inc., Boston, Mass. Bricks. 245,261; May 10.

Flavour Candy Co., Chicago, Ill. Candy. 246,544; May 10.

Forhan Company, New York, N. Y. Antiseptics. 243,934; May 10.

Foundation Press, Inc., The, Cleveland, Ohio. Printed books published from time to time. 246,275; May 10.

Freckle-Off Co., Los Angeles, Calif. Cleansing and massage creams. 246,545; May 10.

Fuller, W. P., & Co., San Francisco, Calif. Paints, varnish, primer, and paint enamel. 244,299; May 10.

Garofalo Brothers, Chicago, Ill. Canned fruits and vegetables, etc. 241,995; May 10.

Georgia Fertilizer Company, Valdosta, Ga. Commercial fertilizer and nitrate of soda and potashes used in the production of commercial fertilizers. 244,554; May 10.

Godchaux Sugar Inc., Reserve, La. Cane-sugar sirups. 245,544–6; May 10.

Godchaux Sugar Inc., Reserve, La. Cane-sugar sirups. 245,548; May 10.

Good Luck Products Company. (See Eager, Honor L.)

Good Will Service System. (See Snovel, Harry H.)

Goudey Gum Co., The, Boston, Mass. Chewing gum. 246,401; May 10.

Graff Company, Inc., The, New York, N. Y. Men's suits. 243,267; May 10.

Green-Haas-Schwartz Company, The, Cleveland, Ohio. Knitted sweaters and jackets. 245,483; May 10.

Grey, Porter S., Dougherty, Calif. Fresh grapes. 246,607; May 10.

Griess Pfleger Tanning Company, Cincinnati, Ohio. Leather. 245,394; May 10.

Griffin, Wayne M., Manchester, N. H. Mouth-operated musical wind instruments of the reed type. 244,029; May 10.

Groton Chemical Co., The, Groton, Conn. Thinners for paints and varnishes. 243,855; May 10.

Growell Pot Company, Inc., New York, N. Y. Seedling growing and setting-out receptacles made of peat. 245,437; May 10.

Hall, Hartwell & Co. Inc., Troy, N. Y. Collars and shirts. 245,554; May 10.

Hall, Hartwell & Co. Inc., Troy, N. Y. Collars and shirts. 245,635; May 10.

Halpern, Irving, doing business as Hal Pern Mfg. Co., Brooklyn, N. Y. Insecticide. 230,917; May 10.

Hamilton, M. B. & Co., Leavenworth, Kans. Gloves, mittens, and gauntlets. 242,664; May 10.

Harris, A. W., Oil Company, Providence, R. I. Motor-car soap and metal polish. 242,994; May 10.

Heddon's, James Sons, Dowagiac, Mich. Artificial baits. 246,670; May 10.

Hilcrest Drug Company. (See Perdue, Thomas P.)

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 245,717; May 10.

Hollander Bros. Drug Co., Braddock, Pa. Medicinal preparation. 246,682; May 10.

Hooker, Mary S., doing business as Hopkins Chemical Co., Chicago, Ill. Liniment. 246,347; May 10.

Hooper-Mankin Fuel Company, Huntington, W. Va.; Battle Creek, Mich., and Richmond, Va. Coal. 245,094; May 10.

Hopkins Chemical Co. (See Hooker, Mary S.)

Hudson Motor Car Company, Detroit, Mich. Gasoline passenger automobiles. 244,444; May 10.

Hudson Silk Hosiery Co., Inc., Charlotte, N. C. Hosiery. 242,058; May 10.

Illinois Canning Co., The, Hoopeston, Ill. Canned fruits and vegetables, coffee, spices, canned fish, etc. 244,827; May 10.

Inman Mills, Inman, S. C. Cotton goods in the piece. 245,558; May 10.

I-Sis Laboratories, Inc., New York, N. Y. Cleaning and polishing preparation for automobiles, furniture, etc. 246,684; May 10.

Jaburg Brothers, Inc., New York, N. Y. Oleomargarine. 246,289; May 10.

Jynx Company, The, Alexandria, Va. Tire-puncture anti-deflator compound. 245,700; May 10.

K. C. B. Electric Mfg. Co., Sacramento, Calif. Storage batteries, dry cells, electric motors, etc. 228,111; May 10.

Kalamazoo Pant Company. (See Rosenbaum, Sam, & Sons Company.)

Katekaru, J., doing business as J. Katekaru Co., Brawley, Calif. Melons and fresh vegetables. 227,357; May 10.

Kaufman Hats Inc., New York, N. Y. Hats for men and boys. 243,159; May 10.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Batteries, radio receiving sets, and parts therefor. 228,909; May 10.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Vacuum cleaners. 228,910; May 10.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Washing machines. 228,911; May 10.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Cotton and linen bed sheets, pillowcases, bedspreads, etc. 241,287; May 10.

Kelley, John A., Great Falls, Mont. Rubefacient lotion and counterirritant. 246,415; May 10.

Kirk, John R., doing business as The Delaware Indian Remedies Co., Pueblo, Colo. Cough sirup, hair tonic, kidney and bowel medicines, corn salves, etc. 244,503; May 10.

Kommanditbolaget Spis- & Knäckebrödsfabriken Kronan, Barthel Kock, Sundyberg, Sweden. Bread. 227,022; May 10.

Krasne, Abraham, doing business as A. Krasne, New York, N. Y. Canned fruits and vegetables, canned fish, and canned shellfish. 244,561; May 10.

Krasne, Abraham, doing business as A. Krasne, New York, N. Y. Canned fruits and vegetables and tomato purée. 244,778; May 10.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Lawn seed. 245,645; May 10.

Lane, Harry L., and Fred L. Bowles, Tulsa, Okla. Sandwiches, chili, and hot tamales. 244,159; May 10.

Larabee Flour Mills Company, The, doing business as The Monarch Milling Company, Kansas City, Mo. Wheat flour. 240,035; May 10.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Lily Foundry Company, Los Angeles, Calif. Plumbers' and steam-fitters' supplies. 236,214; May 10.
Lincoln & Bosworth, Providence, R. I. Indigestion powder. 245,733; May 10.
Loewith, Julius, Inc., New York, N. Y. Form of peat moss used as a humus or soil improver. 231,114; May 10.
Looboyle Refining Company, Tulsa, Okla., and Joplin, Mo. Gasoline and lubricating oils. 245,100; May 10.
Luipersbek, Frank, Boundbrook, N. J. Ball-and-socket banister construction joints. 245,277; May 10.
Luipersbek, Frank, Boundbrook, N. J. Wind vanes. 245,278; May 10.
Lullwater Manufacturing Company, Atlanta, Ga. Work shirts, house dresses, and play suits. 244,704; May 10.
Macfadden Publications Incorporated, New York, N. Y. Cartoons or comic strips. 245,065; May 10.
Mallinckrodt Chemical Works, St. Louis, Mo. Calogreen, a mercurial salt known as mercurous chloride. 244,234; May 10.
Manatee County Citrus Sub-Exchange, doing business as Citrus Growers Association, Bradenton, Fla. Fresh citrous fruits. 243,614; May 10.
Marine Journal Co., The, New York, N. Y. Publication. 246,840; May 10.
Martoccio, F. A., Company, Minneapolis, Minn. Candy bars. 246,300; May 10.
Master Lock Company, Milwaukee, Wis. Locks. 237,181; May 10.
Matthiessen & Hegeler Zinc Company, La Salle, Ill. Zinc rods. 246,353; May 10.
McDermott & Short, New York, N. Y. Hosiery. 245,797; May 10.
McDougall Company, Frankfort, Ind. Refrigerators. 240,041; May 10.
McIlvain, Louis E., Chicago, Ill. Monthly magazine. 245,445; May 10.
McQuiddy Printing Company, Nashville, Tenn. Monthly magazine. 245,446; May 10.
Mex Company. (See Saunders, Harvey B.)
Miller, I., and Sons Incorporated, Long Island City, N. Y. Shoes and slippers. 244,879; May 10.
Miller-Roth, Incorporated, Pittsburgh, Pa. Publication. 245,854; May 10.
Milton Piano Company, New York, N. Y. Pianos. 246,107; May 10.
Moline Implement Company, Moline, Ill. Agricultural implements. 245,650; May 10.
Monarch Milling Company, The. (See Larabee Flour Mills Company, The.)
Monsheimer & Jacobs, New York, N. Y. Infant's dresses. 244,460; May 10.
Motometer Company, Inc., The, Long Island City, N. Y. Spark plugs. 245,157; May 10.
National Tube Company, Pittsburgh, Pa. Metal pipes, tubes, and pipe couplings. 232,686; May 10.
Newman Cigar Co., The, Cleveland, Ohio. Cigars. 245,449; May 10.
Northern Rubber Company, The, Barberton and Akron, Ohio. Pneumatic-tire casings and inner tubes therefor. 244,954; May 10.
Old Trusty Dog Food Company, Needham Heights, Mass. Dog food. 244,693; May 10.
Onorato, Giacomo, doing business as Union Products Co., New Orleans, La. Malt extracts for food purposes. 243,773; May 10.
Oppenheimer-Straus Company, The, Cincinnati, Ohio. Shirts, underwear, hosiery, sweaters, etc. 240,875; May 10.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 246,562; May 10.
Outing Manufacturing Company, Elkhart, Ind. Fishing-tackle boxes. 242,962; May 10.
Pabst Corporation, Milwaukee, Wis. Malt sirup. 246,563; May 10.
Pace, Homer S., New York, N. Y. Magazine. 264,621; May 10.
Pacent Electric Company, Inc., New York, N. Y. Electrical apparatus. 239,865; May 10.
Pacent Electric Company, Inc., New York, N. Y. Electrical apparatus. 242,738–9; May 10.
Pacific Northwest Canning Company, Puyallup, Wash. Jams, jellies, fruit butters, and canned fruits. 240,087; May 10.
Pacific Northwest Canning Company, Puyallup, Wash. Canned fruits and vegetables. 241,177; May 10.
Palais Royal, Inc., The, Washington, D. C. Artificial rubies and sapphires, etc. 244,096; May 10.
Palais Royal, Inc., The, Washington, D. C. Art linen pieces, hair curlers, etc. 244,101; May 10.
Pearl Coffee Company, The, Akron, Ohio. Coffee. 242,330; May 10.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Sanitary aprons, belts, and step-ins. 246,566; May 10.
Perdue, Thomas P., doing business as Hillcrest Drug Company, Sarasota, Fla. Insecticide. 246,847; May 10.
Pharmakon A. G. Chemische Fabrik, Frankfort-on-the-main, Germany. Disinfectants for hands and the field of operation and a cosmetic for the skin. 243,013; May 10.
Philadelphia Malt Warehousing Corporation, Philadelphia, Pa. Malt sirup. 245,808; May 10.
Philster Manufacturing Company, The, Cincinnati, Ohio. Fire extinguishers and parts therefor. 244,513; May 10.
Pioneer Rubber Mills, San Francisco, Calif. Rubber and fabric belting and rubber packing. 244,180; May 10.
Poland Soap Works, Anniston, Ala. Soaps and washing powder. 246,200; May 10.
Prairie Farmer Pub. Co., The, Chicago, Ill. Periodical. 246,930; May 10.
Pratt & Lambert, Inc., Buffalo, N. Y. Paint enamels, varnishes, wood stains, etc. 245,450; May 10.
Pratt & Lambert, Inc., Buffalo, N. Y. Paint enamels, varnishes, wood stains, etc. 245,452; May 10.
President Lubricating Oil Co. (See Sullivan, Patrick B.)
Pro-phy-lac-tic Brush Company, Northampton, Mass. Brushes. 245,581; May 10.
Queen City Bottling Co., The, Cincinnati, Ohio. Vichy. 245,750; May 10.
Rasch & Galnor, Baltimore, Md. Shade cloth. 246,630; May 10.
Regal Laboratories, The. (See Sisselman, Samuel.)
Reno Specialty Company, Reno, Nev. Powder for cleaning artificial teeth. 228,441; May 10.
Rex Products Company, Chicago, Ill. Soaps. 245,368; May 10.
Richlite Products Co., The, Cleveland, Ohio. Marshmallows. 241,679; May 10.
Riley Stoker Corporation, Worcester, Mass. Pulverizers for industrial uses. 242,619; May 10.
Roanoke Apple Products Co., Roanoke, Va. Vinegar. 218,778; May 10.
Roe, V. V., doing business as All-Henry Coil Company, South Gate, Calif. Radio inductance coils. 245,030; May 10.
Roper, Geo. D., Corporation, Rockford, Ill. Electric stoves, plates, and ranges. 244,887; May 10.
Roscell, J. D., Company, Peoria, Ill. Pasteurized milk. 227,910; May 10.
Rosenbaum, Sam, & Sons Company, doing business as Kalamazoo Pant Company, Kalamazoo, Mich. Knickerbockers and riding breeches. 241,069; May 10.
Rotawasher Corporation, The, Cleveland, Ohio. Machines for washing cars, trucks, and other vehicles. 246,506; May 10.
Roubaix Products Company, New York, N. Y. Dyes. 246,572; May 10.
Rushton, Norman, San Francisco, Calif. Publication. 243,785; May 10.
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 246,179–80; May 10.
Safety Products Corporation, St. Louis, Mo. Hydraulic brake appliances, master cylinders, and leakproof wheel cylinders. 245,518; May 10.
St. Louis Products Company, St. Louis, Mo. Malt sirup. 245,166; May 10.
Sal-Phenine Laboratories Inc., Dayton, Ohio. Medicine for the relief of pain. 246,712; May 10.
Salt Lake Coca-Cola Bottling Co., Salt Lake City, Utah. Beverages sold as soft drinks. 246,232; May 10.
Santoris Company, The, St. Paul, Minn. Medicinal preparation. 240,445; May 10.
Saunders, Harvey B., doing business as Mex Company, Chicago, Ill. Hairdressing. 246,713; May 10.
Scadron, Joseph, assignor to U. S. Bifocal Corporation, New York, N. Y. Ophthalmic lenses and frames and mountings therefor. 237,823; May 10.
Schnurer & Murray, New York, N. Y. Ladies' hand bags. 245,927; May 10.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Insoles. 244,244; May 10.
Sears & Derr Company, The, Chillicothe, Ohio, and Boonville, Ind. Beverages and flavoring materials for making the same. 246,639; May 10.
Sears & Derr Company, The, Chillicothe, Ohio. Beverages. 246,640; May 10.
Sears, Roebuck and Co., doing business as Clinton Cartridge Company, Chicago, Ill. Shotgun shells. 246,851–2; May 10.
Sekey, Margaret, New York, N. Y. Bandeaux such as brassières. 239,201; May 10.
Silvergio Lamps, Inc., Baltimore, Md. Permanent and portable electric-lighting fixtures and stands, lamps, and parts thereof. 242,507; May 10.
Simon Mattress Manufacturing Co., San Francisco, Calif. Bedding. 238,622; May 10.
Simonds Saw and Steel Company, Fitchburg, Mass. Saws and machine knives. 245,302; May 10.
Sisseiman, Samuel, doing business as The Regal Laboratories, Atlanta, Ga. Tonic for the treatment of nerves and general debility. 246,003; May 10.
Smidth, F. L., & Co., New York, N. Y. Clinker coolers for rotary cement kilns. 245,110; May 10.
Smoked Salt Company, The, Cincinnati, Ohio. Salt. 241,117; May 10.
Snovel, Harry H., doing business as Good Will Service System, Lima, Ohio. Toy horns, kites, whistles, caps, balloons, baseballs, etc. 246,314; May 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Sommers, G., & Company, St. Paul, Minn. Baking dishes, boilers, cake pans, coffeepots, etc. 245,759; May 10.
Southern California Iron & Steel Company, Huntington Park, Calif. Bolts, screws, rivets, nuts, etc. 243,067; May 10.
Stadlmair, Henry, Co., Inc., New York, N. Y. Strings for musical instruments. 246,281; May 10.
Stanco Distributors, Inc., New York, N. Y. House organ. 246,710; May 10.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum, etc. 245,934; May 10.
Starr Piano Company, The, Richmond, Ind. Phonograph records. 245,591; May 10.
Sterling Products Company, The, Cleveland, Ohio. Asphaltum paint. 243,510; May 10.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Metal angles, metal arrows, bells for toys, dog collars, etc. 185,154; May 10.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Metal angles, metal arrows, bell for toys, dog collars, etc. 185,156; May 10.
Sullivan, Patrick B., doing business as President Lubricating Oil Co., Devils Lake, N. Dak. Lubricating oils. 245,035; May 10.
Sunnyside Malt Sirup Co., Minneapolis, Minn. Malt sirup. 241,072; May 10.
Sutter Cooperative Growers, San Francisco, Calif. Canned peaches. 218,670; May 10.
Tarrant Company, The, New York, N. Y. Laxative medicines. 245,871; May 10.
Taubel, William F., Incorporated, Riverside, N. J. Stockings. 240,887; May 10.
Textile Publishing Company, New York, N. Y. Magazine. 246,722; May 10.
Tiddywoods Toy Company, Indianapolis, Ind. Toy guns. 246,785; May 10.
Tipton, Gerald A., Quincy, Ill. Manicure sets. 245,235; May 10.
Troy Record Company, The, Troy, N. Y. Newspaper articles. 246,859; May 10.
Troy Record Company, The, Troy, N. Y. Newspaper. 246,860; May 10.
Union Products Co. (See Onorato, Giacomo.)
Union Special Machine Company, Chicago, Ill. Sewing machines and parts thereof. 246,135; May 10.
United Malt Company, Cincinnati, Ohio. Malt extracts and sirups. 246,517; May 10.
U. S. Bifocal Corporation. (See Scadron, Joseph, assignor.)
United States Roofing Corporation, Hasbrouck Heights, N. J. Asphalt in liquid form and asphalt roofing felt. 245,236; May 10.
Utility Manufacturing Company, Inc., Baltimore, Md. Wire kitchen utensils. 245,700; May 10.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Mineral oil used as an insulating medium in electric apparatus. 242,358; May 10.
Van Dyne, Henry B., doing business as Van Dyne Oil Company, Troy, Pa. Gasoline, kerosene, motor oils, and greases. 244,036; May 10.
Victor Manufacturing & Gasket Co., Chicago, Ill. Sheet asbestos. 228,151–3; May 10.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Shoe snap fasteners and shoe slide fasteners. 246,373; May 10.
Waltham Watch Company, Waltham, Mass. Watches and parts thereof. 238,929; May 10.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Ladies' hand bags. 237,995; May 10.
Washington Jewelry Company, Boston, Mass. Telescopes. 246,187; May 10.
Watkins, J. R., Company, The, Winona, Minn., Soaps, soap jelly, shaving cream, metal polishes, etc. 244,898; May 10.
Weil, Maximilian, doing business as Audak Company, New York, N. Y. Attachment or accessory for phonographs. 209,448; May 10.
Weinstein, George J., doing business as George J. Weinstein Co., Cleveland, Ohio. Dental gold. 244,965; May 10.
West, Benjamin F., Salem, Oreg. Confection. 245,768; May 10.
Western Construction News, Inc., San Francisco, Calif. Semimonthly magazines. 244,806; May 10.
Wheat Fruit Cereal Company, West Orange, N. J. Bread. 246,793; May 10.
Whistle Bottling Co., East Porchester, Conn. Beverages sold as soft drinks. 246,256; May 10.
White Mole, Inc., Carbondale, Ill. Tire patches. 227,206; May 10.
Wilkes Barre Maid Candy Company, Inc., Wilkes-Barre, Pa. Candy bar. 246,523; May 10.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Publication. 246,375; May 10.
Winchester Repeating Arms Company, New Haven, Conn. Radiators for automotive vehicles and parts thereof. 241,760; May 10.
Wood, John T., New York, N. Y. Magazine. 246,799; May 10.
Woodworth, Inc., New York and Rochester, N. Y. Face creams. 245,417; May 10.
Woolner Brewing Company, The, Toledo, Ohio. Ginger ale. 243,636; May 10.
"Y & B" Corporation, The, Charlotte, N. C. Dairy products. 234,809; May 10.
Young, Anthony G., assignor to Companion Publishing Company, Inc., New York, N. Y. Publications. 235,767; May 10.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Carbon Fuel Company. 227,571; May 10; Serial No. 239,089; published Mar. 1, 1927.
Coal. Linehan & Molo. 227,688; May 10.
Coal. Virginia Harlan Coal Corporation. 227,679; May 10; Serial No. 205,500; published Mar. 1, 1927.
Coal and coke. Burns Bros. 227,693; May 10.
Leather. J. E. Rhoads & Sons. 227,552; May 10; Serial No. 241,671; published Feb. 22, 1927.
Leather, Chrome. Doerr & Reinhart. 227,510; May 10; Serial No. 241,474; published Feb. 22, 1927.

CLASS 2.

Tanks for compressed acetylene gas, Portable. Prest-O-Lite Company. 65,344; renewed Sept. 17, 1927.

CLASS 4.

Cleanser for household and garage use. J. O. Blackburn. 227,645; May 10; Serial No. 240,521; published Mar. 1, 1927.
Dressing, Belt and brake. R. A. Wiese. 227,706; May 10.
Metal polish. F. J. Hagerling. 227,516; May 10; Serial No. 241,944; published Mar. 1, 1927.
Polish for metal and compounds for cleaning enameled surfaces and upholstered fabrics. Research Club, Inc. 227,596; May 10; Serial No. 235,073; published Mar. 1, 1927.
Polish, Liquid. Majestic Products Corporation. 227,671; May 10; Serial No. 227,658; published Apr. 20, 1926.
Soap. Travel-Suds Company. 227,616; May 10; Serial No. 242,556; published Mar. 1, 1927.
Soaps, Toilet and bath. J. C. Penny Company. 227,619; May 10; Serial No. 242,690; published Mar. 1, 1927.

CLASS 6.

Anæsthetic, Local. J. F. Kettles. 227,698; May 10.
Antiseptic germ destroyer, disinfectant, deodorant, and bleach. Zonite Products Company. 227,673; May 10; Serial No. 228,077; published May 4, 1926.
Bleaching preparation. Clear-O-White Laboratories Inc. 227,675; May 10; Serial No. 184,598; published Mar. 1, 1927.
Chemical compound. G. V. Gross. 227,564; May 10; Serial No. 241,942; published Mar. 1, 1927.
Compound, Boiler. Perolin Company of America. 227,528; May 10; Serial No. 242,253; published Mar. 1, 1927.
Creams and powders, shampoos, depilatory preparations, etc., Toilet. G. M. Domenice. 227,578; May 10; Serial No. 218,895; published Mar. 1, 1927.
Deodorant spray. Elsinore Perfume Company. 227,556; May 10; Serial No. 241,708; published Mar. 1, 1927.
Gum, Laxative chewing. J. M. Gries. 227,612; May 10; Serial No. 242,372; published Mar. 1, 1927.
Hair tonic. J. Latin. 227,548; May 10; Serial No. 241,533; published Mar. 1, 1927.
Indigestion cure. R. W. Brown. 227,555; May 10; Serial No. 241,692; published Mar. 1, 1927.
Laxative preparation. S. Askin. 227,636; May 10; Serial No. 239,783; published Mar. 1, 1927.
Lotions, Antiseptic face. W. L. Buck Company. 227,651; May 10; Serial No. 240,697; published Jan. 25, 1927.
Medicinal compound. O. C. Bowers. 64,656; renewed Aug. 20, 1927.
Medicinal preparation. J. S. Chybke. 227,587; May 10; Serial No. 224,808; published Feb. 15, 1927.
Medicine. Chattanooga Medicine Company. 227,531; May 10; Serial No. 242,279; published Mar. 1, 1927.
Medicine. F. A. Dicks. 65,176; renewed Sept. 10, 1927.
Medicine. J. C. Ozan. 227,644; May 10; Serial No. 240,437; published Mar. 1, 1927.

Medicine. St. Jacobs Oil, Limited. 64,507; renewed Aug. 13, 1927.
Medicine. Smith, Kline & French Company. 227,550; May 10; Serial No. 241,587; published Mar. 1, 1927.
Medicines. A. Duka. 65,018; renewed Sept. 3, 1927.
Perfumery, incense, rouge, lip sticks, etc. L. Scherk. 227,577; May 10; Serial No. 217,640; published Sept. 7, 1926.
Perfumery, skin cream, tooth paste, etc. Dr. M. Albersheim. 227,560; May 10; Serial No. 241,852; published Mar. 1, 1927.
Perfumes, toilet waters, talc and face powder, cold creams, etc. Colgate & Company. 227,647; May 10; Serial No. 240,533; published Mar. 1, 1927.
Pharmaceutical preparations, plasters, proprietary and veterinary medicine. F. L. Harnisch. 227,594; May 10; Serial No. 235,472; published Mar. 1, 1927.
Pile and erysipelas relief. J. T. Collins. 227,561; May 10; Serial No. 241,870; published Mar. 1, 1927.
Plaster and a proprietary medicine. E. J. Weschcke. 65,408; renewed Sept. 24, 1927.
Powders, creams, and packs, toilet waters, rouges, lip sticks, etc., Face. A. M. Blake. 227,566; May 10; Serial No. 238,837; published Mar. 1, 1927.
Powders for the feet. A. S. Olmsted. 30,551; renewed Sept. 14, 1927.
Preparation, Cleansing and disinfecting. American Antiformin Co. 61,693; renewed Apr. 2, 1927.
Preparation for the hair. E. Barbey. 227,615; May 10; Serial No. 242,517; published Mar. 1, 1927.
Preparation for the treatment of chills, fever, malaria, etc. W. J. Rawls. 227,608; May 10; Serial No. 236,771; published Jan. 11, 1927.
Preparation for use in treatment of teeth and gums, etc. R. M. Smiley. 227,674; May 10; Serial No. 227,814; published Jan. 4, 1927.
Remedy for warts. Corn Fix Co. 227,603; May 10; Serial No. 234,102; published Aug. 10, 1926.
Toilet preparation. Yvette Co. 227,518; May 10; Serial No. 241,976; published Mar. 1, 1927.
Toilet water. C. M. Munsch. 227,641; May 10; Serial No. 239,995; published Mar. 1, 1927.
Tonic, Hair. D. Iarussi. 227,605; May 10; Serial No. 232,729; published Nov. 2, 1926.

CLASS 7.

Twine, rope, string, and cordage. Schermerhorn Bros. Co. 227,625; May 10; Serial No. 243,175; published Mar. 1, 1927.

CLASS 9.

Gunpowder, and particularly black sporting powder. King Powder Company. 63,959; renewed July 16, 1927.

CLASS 10.

Fertilizer. Knoxville Fertilizer Company. 227,685; May 10.
Fertilizer or plant food. W. E. Lenk. 227,486; May 10; Serial No. 241,059; published Mar. 1, 1927.
Plant food. Nitrogen Company. 227,490; May 10; Serial No. 241,832; published Mar. 1, 1927.

CLASS 11.

Ink, Drying composition for printing. Homer W. Palmer & Company. 227,659; May 10; Serial No. 242,391; published Mar. 1, 1927.

CLASS 12.

Boards for heat-insulating purposes. Standard Cork Insulation Company Limited. 227,574; May 10; Serial No. 213,264; published Mar. 1, 1927.
Building stones and building plates, etc., Tightening and packing material to be inserted between. E. Dyckerhoff. 227,682; May 10; Serial No. 211,576; published Feb. 22, 1927.
Calking compound. J. S. McGill. 227,570; May 10; Serial No. 238,984; published Feb. 22, 1927.
Cement. Arco Company. 227,551; May 10; Serial No. 241,598; published Feb. 22, 1927.
Cement, Refractory. Heat Sealing Kant-Burn Company. 227,520–21; May 10; Serial Nos. 242,002–3; published Mar. 1, 1927.
Lumber. Heller Bros. Co. 227,511; May 10; Serial No. 241,482; published Mar. 1, 1927.
Shingles and shingle strips. Ruberoid Co. 227,683; May 10.
Wall felt. Malm Bros. & Co. 227,508; May 10; Serial No. 241,344; published Mar. 1, 1927.

CLASS 13.

Cookers, Pressure. Selfseal Pressure Cooker Company. 227,684; May 10.
Fence stays. O. H. Buck. 227,672; May 10; Serial No. 227,713; published Mar. 1, 1927.
Gates, Metal. Keystone Steel & Wire Company. 227,696; May 10.
Nails, Shoe. Charles F. Baker & Co. Inc. 227,492; May 10; Serial No. 242,165; published Mar. 1, 1927.
Siphons, Acid. Pyrene Manufacturing Company. 227,664; May 10; Serial No. 242,797; published Mar. 1, 1927.

CLASS 14.

Metal plates and steel. Fried. Krupp Aktiengesellschaft. 61,509; renewed Mar. 26, 1927.
Railway equipment. Fried. Krupp Aktiengesellschaft. 62,283; renewed Apr. 30, 1927.
Wire and rods, Bare or uncovered metallic. Bridgeport Brass Company. 227,501; May 10; Serial No. 235,942; published Feb. 22, 1927.

CLASS 15.

Gasoline. Twining Oil Company. 227,669; May 10; Serial No. 226,793; published Mar. 23, 1926.
Oil and grease, etc., Lubricating. Warner-Quinlan Company. 227,666; May 10; Serial No. 229,312; published Nov. 16, 1926.

CLASS 16.

Cleaning and polishing compound for furniture, etc. K. M. De Benedictis. 227,502; May 10; Serial No. 241,203; published Mar. 1, 1927.
Coatings, automobile body and furniture polish, Tire-preservative. Central Laboratories Co. 227,579; May 10; Serial No. 218,612; published Mar. 1, 1927.
Colors of all kinds, and colors for ceramic and photographic purposes, Water. Vereinigte Farben- & Lackfabriken. 227,670; May 10; Serial No. 227,048; published Mar. 1, 1927.
Nitrocellulose lacquers, etc. Martin-Senour Company. 227,661; May 10; Serial No. 242,485; published Feb. 22, 1927.
Paint and paint enamel. Capitol Paint & Varnish Works, Inc. 227,537; May 10; Serial No. 238,045; published Mar. 1, 1927.
Paint and varnish remover. Crampton Company. 227,654; May 10; Serial No. 242,170; published Feb. 22, 1927.
Paints and painters' materials. Charles H. Howell & Co. 65,198; renewed Sept. 10, 1927.
Paints, House. Keystone Varnish Company. 227,481; May 10; Serial No. 240,554; published Feb. 15, 1927.
Paints, paint enamels, varnish. O. Fitzpatrick. 227,489; May 10; Serial No. 241,610; published Feb. 22, 1927.
Paints, paint thinner, etc. Ironsides Company. 227,482; May 10; Serial No. 240,660; published Feb. 22, 1927.
Polish, Automobile. J. W. Gates. 227,485; May 10; Serial No. 241,049; published Feb. 22, 1927.
Polish, Automobile body. Better Tires Company. 227,597; May 10; Serial No. 235,024; published Mar. 1, 1927.
Varnishes and paint enamels. Geo. D. Weatherill & Co. 227,573; May 10; Serial No. 212,767; published Feb. 22, 1927.

CLASS 17.

Cigars. Estate of Augustus Pollack, Inc. 227,547; May 10; Serial No. 241,524; published Mar. 1, 1927.

CLASS 19.

Automobile bodies. A. W. Campbell. 227,689; May 10.
Automobiles. General Motors Corporation. 227,658; May 10; Serial No. 242,371; published Mar. 1, 1927.
Automobiles and parts thereof, except rubber tires. Société Lorraine des Anciens Etablissements de Dietrich & Cie. de Lunéville. 60,089; renewed Jan. 29, 1927.

CLASS 21.

Lamps, Electrical incandescent. Deutsche Gasglühlicht-Aktiengesellschaft (Auergesellschaft). 59,325; renewed Jan. 8, 1927.
Radio receiving sets and parts thereof. Chieftain Radio Corporation. 227,581; May 10; Serial No. 219,228; published Dec. 8, 1925.

CLASS 22.

Exercising devices. S. Blickman, Inc. 227,646; May 10; Serial No. 240,522; published Mar. 1, 1927.
Fishing bait, Artificial. South Bend Bait Co. 227,563; May 10; Serial No. 241,908; published Mar. 1, 1927.
Game apparatus, Parlor. Parker Bros. 29,671; renewed Mar. 9, 1927.
Toy dogs. S. & H. Novelty Company. 227,697; May 10.

CLASS 23.

Bellows for temperature and pressure controlled apparatus, etc., Metallic. Clifford Manufacturing Co. 227,519; May 10; Serial No. 241,987; published Mar. 1, 1927.
Cranes, hoists, trolleys, etc., Electric traveling. Harnischfeger Corporation. 227,637; May 10; Serial No. 239,806; published Jan. 25, 1927.
Devices actuated automatically by the gear or vehicles to indicate the route to be taken and to display advertisements. Periometer Co. Inc. 227,493; May 10; Serial No. 240,212; published Mar. 1, 1927.
Fire-extinguishing apparatus. Direct Selling Company of America. 227,559; May 10; Serial No. 241,812; published Mar. 1, 1927.
Harrows, drills, and cultivators. Roderick Lean Manufacturing Company. 60,738; renewed Feb. 19, 1927.
Knives, Woodworking-machinery. Guaranteed Machine Company. 227,626; May 10; Serial No. 243,268; published Mar. 1, 1927.

Marker and trimmer, Pie. E. L. Simpson. 227,703; May 10.
Needles. Thomas Harper & Sons, Limited. 29,615; renewed Mar. 2, 1927.
Press machinery and fluted cutting tools, Diesinking and metal-working. J. H. Ripstra. 227,504; May 10; Serial No. 241,242; published Mar. 1, 1927.
Printing presses, Cylinder. Miehle Printing Press & Manufacturing Company. 30,070; renewed May 18, 1927.
Sewing machines. White Sewing Machine Corporation. 227,538; May 10; Serial No. 238,416; published Jan. 18, 1927.
Straps, Lug, loom, harness, etc. J. E. Rhoads & Sons. 227,553; May 10; Serial No. 241,674; published Mar. 1, 1927.
Sweepers, Mechanical carpet. Bissell Carpet Sweeper Company. 227,530; May 10; Serial No. 242,274; published Mar. 1, 1927.
Tube cleaners, Rotary. E. Bertone. 227,686; May 10.

CLASS 24.

Washing machines. W. J. Zuill. 61,707; renewed Apr. 2, 1927.

CLASS 25.

Locks. J. Q. Sherman. 227,660; May 10; Serial No. 242,445; published Mar. 1, 1927.
Locks, Combination. K. Kaufmann & Co. 227,687; May 10.

CLASS 26.

Measuring and recording voltage surges, Instrument for Westinghouse Electric & Manufacturing Company. 227,652; May 10; Serial No. 240,795; published Mar. 1, 1927.
Picture films, Moving-. Bray Productions, Inc. 227,507; May 10; Serial No. 241,315; published Mar. 1, 1927.

CLASS 27.

Watches. Franklin Simon & Co. Inc. 227,633; May 10; Serial No. 240,412; published Feb. 15, 1927.

CLASS 31.

Filtering material. National Percolator Company. 227,691; May 10.
Refrigerators and refrigerator parts. Leonard Refrigerator Company. 227,692; May 10.

CLASS 32.

Mattresses and pillows. F. Parker. 227,635; May 10; Serial No. 239,486; published Mar. 1, 1927.
Wardrobes, cabinets, and chests, Mothproof. J. F. Friedel Paper Box Co. 227,569; May 10; Serial No. 238,961; published Mar. 1, 1927.

CLASS 34.

Draft regulator. H. W. Heyman. 227,475; May 10; Serial No. 237,413; published Mar. 1, 1927.
Heaters for automobiles, boats, and the like. American Metal Products Co. 227,488; May 10; Serial No. 241,512; published Feb. 8, 1927.
Radiator using oil or gas, Room-heating. Everbot Heater Company. 227,599; May 10; Serial No. 234,666; published Mar. 1, 1927.
Ranges, Combined coal and gas. A-B Stove Company. 227,657; Mar. 10; Serial No. 242,266; published Mar. 1, 1927.

CLASS 35.

Belting. Ruboil Belting Company. 227,632; May 10; Serial No. 237,247; published Mar. 1, 1927.
Boots for the repair of tires. F. J. Hagerling. 227,514; May 10; Serial No. 241,943; published Mar. 1, 1927.
Inner tubes. Badger Rubber Works. 227,717; May 10.
Tire patches, tube patches, tire-repair kits, etc. Fisk Rubber Company. 227,624; May 10; Serial No. 243,148; published Mar. 1, 1927.
Tires, Automobile. National Products Corporation of America. 227,701; May 10.

CLASS 36.

Pianos and pianos with interior players. Jacob Doll & Sons, Inc. 62,641; renewed May 21, 1927.
Talking machines and talking-machine records. Victor Talking Machine Company. 64,976; renewed Sept. 3, 1927.

CLASS 37.

Notebooks, chalk holders, and rulers. Reeves & Sons Limited. 227,582; May 10; Serial No. 221,772; published Mar. 1, 1927.
Paper. W. A. Hermanson. 227,614; May 10; Serial No. 242,431; published Mar. 1, 1927.
Paper, Book and printing. Perkins Goodwin Company. 227,523; May 10; Serial No. 242,021; published Mar. 1, 1927.
Paper, Tissue. Brittains, Limited. 227,549; May 10; Serial No. 241,500; published Mar. 1, 1927.
Pencils, Lead. Eagle Pencil Company. 64,279; renewed July 30, 1927.
Straw paper, Heavy. Weston Paper & Manufacturing Company. 227,593; May 10; Serial No. 235,990; published Oct. 19, 1926.
Straw paper, Heavy. Weston Paper & Manufacturing Company. 227,604; May 10; Serial No. 233,594; published Oct. 19, 1926.
Supplies, pass books, check books, etc., Bank. Continental Bank-Supply Company. 227,580; May 10; Serial No. 219,060; published Mar. 1, 1927.

CLASS 38.

Books, prints, etc. Sign of the Mermaid. 227,631; May 10; Serial No. 232,357; published Mar. 1, 1927.
Coupons, Bank. Bank Credits Title Company. 227,506; May 10; Serial No. 241,313; published Mar. 1, 1927.
Magazine. Illinois Humane Society. 65,331; renewed Sept. 17, 1927.
Magazine. Meadow Press, Inc. 227,650; May 10; Serial No. 240,674; published Mar. 1, 1927.
Magazine articles and other writings. Printed and typed. W. Holmes. 227,499; May 10; Serial No. 241,053; published Mar. 1, 1927.
Magazines. American News Company. 227,643; May 10; Serial No. 240,334; published Mar. 1, 1927.
Newspaper column. Los Angeles Examiner. 227,535–6; May 10; Serial Nos. 237,608–9; published Mar. 1, 1927.
Publication. E. Ennis. 227,503; May 10; Serial No. 241,205; published Mar. 1, 1927.
Publication. United Engineering & Foundry Company. 227,533; May 10; Serial No. 237,004; published Mar. 1, 1927.
Publication, Monthly. Wall Street Iconoclast. 227,598; May 10; Serial No. 235,007; published Mar. 1, 1927.

CLASS 39.

Apparel for women, etc., Wearing. Carafiol-Silverman Garment Co. 227,515; May 10; Serial No. 241,924; published Feb. 22, 1927.
Apparel, Women's. Madelon Modes, Inc. 227,678; May 10; Serial No. 201,967; published May 5, 1925.
Blouses, dresses, coats, etc., Women's. Regal Blouse Company. 227,600; May 10; Serial No. 234,298; published Feb. 22, 1927.
Boots and shoes. Julian & Kokenge Company. 227,595; May 10; Serial No. 235,305; published Jan. 11, 1927.
Boots and shoes. Rice and Hutchins, Incorporated. 227,513; May 10; Serial No. 242,144; published Feb. 22, 1927.
Coats and dresses, Children's and youths'. Crowley, Milner & Co. 227,642; May 10; Serial No. 240,294; published Feb. 15, 1927.
Dresses and gowns. Bab, Inc. 227,568; May 10; Serial No. 238,948; published Feb. 22, 1927.
Dresses and gowns, Women's and misses'. Blecher, Arnold & Engelberg. 227,588; May 10; Serial No. 224,896; published June 15, 1926.
Dresses, coats, suits, hats, vests, bloomers, chemises, etc., Women's and misses'. S. M. Goldberg Enterprises, Inc. 227,607; May 10; Serial No. 236,744; published Feb. 22, 1927.
Dresses, rompers, and boys' suits. Children's. Wilson-Collier Co. Inc. 227,529; May 10; Serial No. 242,264; published Mar. 1, 1927.
Dresses, waists, skirts, underwear, etc. Millards Dress Shop Inc. 227,716; May 10.
Gloves, mittens, aprons, all made of fabric or rubber, or both, Acid. N. L. Kuehn. 227,648; May 10; Serial No. 240,556; published Feb. 22, 1927.
Hosiery. Bentley Gray Dry Goods Co. 227,628; May 10; Serial No. 230,078; published July 27, 1926.
Hosiery. C. F. Berg. 227,653; May 10; Serial No. 240,801; published Feb. 22, 1927.
Hosiery. Climax Hosiery Mills. 227,557; May 10; Serial No. 241,760; published Feb. 15, 1927.
Hosiery. Interwoven Stocking Company. 227,532; May 10; Serial No. 242,340; published Mar. 1, 1927.
Hosiery. Ipswich Mills. 227,524; May 10; Serial No. 242,060; published Feb. 22, 1927.
Hosiery. Lord & Taylor. 61,276; renewed Mar. 12, 1927.
Hosiery. Peck & Peck. 227,527; May 10; Serial No. 242,251; published Mar. 1, 1927.
Hosiery. Daisy Whitehead Knitting Co. 227,617; May 10; Serial No. 242,574; published Mar. 1, 1927.
Hosiery. T. E. Young. 227,558; May 10; Serial No. 241,801; published Feb. 22, 1927.
Overalls and work shirts. Harlin & Williams. 227,618; May 10; Serial No. 242,586; published Mar. 1, 1927.
Pants. King Manufacturing Company. 227,592; May 10; Serial No. 235,963; published Feb. 22, 1927.
Shirts. National Shirt Shops, Inc. 227,707; May 10.
Shirts. Weaver Apparel Company. 227,640; May 10; Serial No. 239,953; published Feb. 22, 1927.
Shirts, Work. Reliance Manufacturing Company. 227,649; May 10; Serial No. 240,508; published Feb. 22, 1927.
Shoes. Craddock-Terry Co. 227,501; May 10; Serial No. 241,136; published Feb. 22, 1927.
Shoes. United States Shoe Company. 227,680; May 10; Serial No. 209,553; published May 12, 1925.
Shoes and pumps. Menihan Company. 227,500; May 10; Serial No. 241,061; published Mar. 1, 1927.
Slippers, Leather. E. Bandler. 227,505; May 10; Serial No. 241,312; published Mar. 1, 1927.
Soles, etc., Whole and half. J. E. Rhoads & Sons. 227,554; May 10; Serial No. 241,675; published Mar. 1, 1927.

Stockings. Julius Kayser & Co. 227,495; May 10; Serial No. 240,820; published Feb. 22, 1927.
Suits and overcoats. Chas. Kaufman & Bros., Inc. 227,522; May 10; Serial No. 242,008; published Feb. 22, 1927.
Suits and topcoats. Goodman & Suss Inc. 227,709; May 10.
Suits, Bathing. Niagara Knitting Co. 227,526; May 10; Serial No. 242,204; published Mar. 1, 1927.
Suits for men. Keller-Heumann-Thompson Co. Inc. 227,517 May 10; Serial No. 241,945; published Feb. 22, 1927.
Suits, lumber jackets, sweaters, leather coats, pants, etc., Sailor. Excelsior Wash Suit Co. 227,496; May 10; Serial No. 240,854; published Feb. 22, 1927.
Suits, overcoats, and raincoats, Men's and boys'. Goodlow Corporation. 227,708; May 10.
Sweaters and hosiery, Knitted. Revere Knitting Mills Inc. 227,589; May 10; Serial No. 235,618; published Feb. 22, 1927.
Undershirts and drawers, Men's knit. L. H. Schaarschmidt. 62,438; renewed May 7, 1927.
Underwear, skirts, sweaters, hosiery, Knit. E. L. Marshall. 227,676; May 10; Serial No. 187,753; published Jan. 15, 1924.

CLASS 40.

Hair bands made of celluloid or like material. L. Skaruda. 227,509; May 10; Serial No. 241,446; published Mar. 1, 1927.
Needles, Hand sewing. L. Lammertz. 227,494; May 10; Serial No. 240,727; published Mar. 1, 1927.

CLASS 42.

Cotton, cotton and silk, and cotton and rayon fabrics. Turner & Vandam, Inc. 227,638; May 10; Serial No. 239,869; published Mar. 1, 1927.
Fabrics, Knitted Textile. Security Mills, Inc. 227,699; May 10.
Silk crepe in the piece. Jas. G. Johnson & Co. 227,623; May 10; Serial No. 242,891; published Mar. 1, 1927.
Velveteens. Mechanische Weberei zu Linden. 29,781; renewed Apr. 6, 1927.
Woolen piece goods. Everett Norfolk Company. 227,497; May 10; Serial No. 240,966; published Mar. 1, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 227,613; May 10; Serial No. 242,421; published Mar. 1, 1927.

CLASS 44.

Dental cement. L. D. Caulk Company. 227,655; May 10; Serial No. 242,225; published Feb. 22, 1927.
Dental kit. R. H. Brown. 227,478; May 10; Serial No. 239,352; published Feb. 22, 1927.
Heating appliance. Radio Pack Company. 227,629; May 10; Serial No. 230,314; published Feb. 15, 1927.
Sanitary belts. C. E. Lang. 227,483; May 10; Serial No. 240,785; published Feb. 22, 1927.
Vibrators, Massage. John Teideman, Ashton A. Marshall & Harvey W. Kays. 227,487; May 10; Serial No. 241,305; published Feb. 22, 1927.

CLASS 45.

Beverage. J. F. Bloodworth. 227,565; May 10; Serial No. 238,769; published Mar. 1, 1927.
Beverage. Keen Kola Manufacturing Company. 227,539–41; May 10; Serial Nos. 238,504–6; published Mar. 1, 1927.
Beverage sold as a soft drink and sirup for making the same. R. F. Cantwell. 227,715; May 10.
Beverages. Aceda Company. 227,542; May 10; Serial No. 238,563; published Mar. 1, 1927.
Beverages. Henry-Brown Company. 227,621; May 10; Serial No. 242,831; published Mar. 1, 1927.
Beverages sold as soft drinks and fruit juices for making the same. Egon Braun Aktiengesellschaft. 227,700; May 10.
Extracts, sirups, and concentrates for making beverages. H. C. Schranck Company. 227,639; May 10; Serial No. 239,899; published Mar. 1, 1927.
Ginger ale. Hotel Sherman Co. 227,622; May 10; Serial No. 242,832; published Mar. 1, 1927.
Grape-juice compound, Nonalcoholic, maltless. Vino Sano Co. 227,711; May 10.
Mineral waters. J. Ries. 61,278; renewed Mar. 12, 1927.
Waters, Table. J. Ries. 62,027; renewed Apr. 16, 1927.

CLASS 46.

Bacon. Roberts & Oake. 227,705; May 10.
Candy. Bullock's. 227,585; May 10; Serial No. 223,460; published Mar. 1, 1927.
Candy. Junior Candy Company. 227,606; May 10; Serial No. 236,263; published Mar. 1, 1927.
Candy. Pensacola Candy Co. 227,562; May 10; Serial No. 241,900; published Mar. 1, 1927.
Candy bars. Coxon Corporation. 227,584; May 10; Serial No. 223,371; published Mar. 1, 1927.
Candy sucker. F. S. Barbaro. 227,590; May 10; Serial No. 235,722; published Mar. 1, 1927.
Canned berries and vegetables. Star Canning Co. 227,668; May 10; Serial No. 226,694; published Feb. 22, 1927.
Canned caviar. Meyer & Lange, Inc. 227,512; May 10; Serial No. 240,825; published Mar. 1, 1927.
Canned corn, peas, red kidney beans, etc. Inderrieden Canning Co. 227,567; May 10; Serial No. 238,906; Published Mar. 1, 1927.
Canned fish. Sebastian Stuart Fish Co. 227,534; May 10; Serial No. 237,196; published Mar. 1, 1927.
Canned fruit and vegetables. Fennville Canning Co. 227,476; May 10; Serial No. 238,367; published Feb. 22, 1927.
Canned fruits. D. Di Fiore Canning Company. 227,605; May 10.
Canned fruits and vegetables. California Canneries Company. 227,714; May 10.
Canned mushrooms. E. H. Jacob. 227,525; May 10; Serial No. 242,131; published Mar. 1, 1927.
Canned pumpkins, string beans, hominy, etc. Rasse Wholesale Grocer Co. 227,545; May 10; Serial No. 238,742; published Mar. 1, 1927.
Canned tunny fish. N. Tatsukawa. 227,677; May 10; Serial No. 189,598; published Mar. 1, 1927.
Canned vegetables. John Liddle Co. 227,712; May 10.
Canned vegetables. R. C. Williams & Co. Inc. 227,544; May 10; Serial No. 238,631; published Mar. 1, 1927.
Canned vegetables and berries. Sanborn-Cutting Company. 227,586; May 10; Serial No. 223,869; published Mar. 1, 1927.
Caramels and caramel paste. Borden's Condensed Milk Company. 64,722; renewed Aug. 20, 1927.
Cereal malt beverage containing less than one-half of one per cent alcohol, by volume. Berghoff Products Co. 227,572; May 10; Serial No. 237,354; published Nov. 16, 1926.
Chili pepper for use in making Mexican dishes and for seasoning meats, etc. Walker Properties Association. 227,491; May 10; Serial No. 242,161; published Feb. 22, 1927.
Chocolates, caramels, and caramel paste. Borden's Condensed Milk Company. 64,723; renewed Aug. 20, 1927.
Coffee. Limoges China Company. 227,546; May 10; Serial No. 240,611; published Jan. 4, 1927.
Coffee. M. A. Little. 227,656; May 10; Serial No. 242,237; published Feb. 15, 1927.
Confection, Angleton Fig Company. 227,620; May 10; Serial No. 242,701; published Mar. 1, 1927.
Dressing, French. Red Fern Manufacturing Company. 227,609; May 10; Serial No. 236,772; published Feb. 22, 1927.
Eggs. Plankinton Packing Company. 227,681; May 10; Serial No. 210,982; published Mar. 2, 1926.
Extracts, compounds, concentrates, and essences. George Lueders & Co. 227,630; May 10; Serial No. 231,154; published Feb. 22, 1927.
Extracts, Food-flavoring. A. F. Stockwell. 227,477; May 10; Serial No. 239,205; published Feb. 22, 1927.
Flour, Wheat. Ballard & Ballard Company. 29,791; renewed Apr. 6, 1927.
Food for poultry, Corrective. Concentrate Products Co. 227,702; May 10.
Fruits, melons, lettuce, tomatoes, cucumbers, peas, etc., Fresh citrous and deciduous. Yaqui Fruit Co. 227,576; May 10; Serial No. 217,127; published Mar. 1, 1927.
Ginger, Preserved Chinese. A. N. Walker. 227,480; May 10; Serial No. 240,464; published Feb. 8, 1927.
Grape jam. Cellas', Inc. 227,665; May 10; Serial No 242,817; published Feb. 22, 1927.
Gum, Chewing. American Chicle Company. 227,543; May 10; Serial No. 238,564; published Mar. 1, 1927.
Gum, Chewing. American Chicle Company. 227,610; May 10; Serial No. 236,080; published Mar. 1, 1927.
Gum, Chewing. American Chicle Company. 227,611; May 10; Serial No. 238,887; published Mar. 1, 1927.
Gum, Chewing. American Yeast Gum Company. 227,498; May 10; Serial No. 240,940; published Mar. 1, 1927.
Ice cream. Ice Cream Smack Products Co. 227,662; May 10; Serial No. 242,590; published Feb. 22, 1927.
Macaroons. Glen-Logan Corporation. 227,474; May 10; Serial No. 237,364; published Feb. 22, 1927.
Malt, milk, sugar, and cocoa, Preparation of. Merckens Chocolate Co. 227,484; May 10; Serial No. 240,989; published Feb. 22, 1927.
Melons and vegetables, Fresh. E. E. Whitted. 227,602; May 10; Serial No. 234,180; published Mar. 1, 1927.
Milk, Evaporated. Maricopa Creamery Co. 227,479; May 10; Serial No. 240,271; published Jan. 25, 1927.
Pretzels. Oakdale Baking Company. 65,403; renewed Sept. 24, 1927.
Sirup, Malt. E. Clemens Horst Co. 227,575; May 10; Serial No. 215,570; published Feb. 22, 1927.
Sirup, Table. W. B. Hoddenbery. 227,663; May 10; Serial No. 242,620; published Feb. 22, 1927.
Tea. Dwinell-Wright Company. 227,583; May 10; Serial No. 222,602; published Jan. 18, 1927.
Vegetables. R. J. Richards. 227,667; May 10; Serial No. 226,374; published Mar. 1, 1927.
Vegetables, Fresh. W. E. McDavitt. 227,601; May 10; Serial No. 234,219; published Mar. 1, 1927.
Vegetables, Fresh. Salinas Land Company. 227,627; May 10; Serial No. 243,286; published Mar. 1, 1927.
Vegetables, Fresh. Southern Sweet Potato Exchange Incorporated. 227,634; May 10; Serial No. 239,152; published Mar. 1, 1927.

CLASS 48.

Beer and porter. Minneapolis Brewing Company. 30,089; renewed May 25, 1927.
Beer, malt tonic, ale, and porter. Minneapolis Brewing Company. 30,283; renewed June 29, 1927.
Malt and hops extract and sirup. E. N. Gauthier. 227,710; May 10.
Malt sirup. R. J. Minton. 227,713; May 10.
Malt sirup. Southwark Food Products Co. 227,704; May 10.
Malt sirup for beverage purposes. American Malt Company. 227,690; May 10.

CLASS 50.

Camping outfits. Chenango Equipment Mfg. Co. 227,694; May 10.

ALPHABETICAL LIST OF LABELS.

Argentine Chili Sauce. For Chili Sauce. C. M. Hanan. 32,062; May 10.
Belgium Dry. For Ginger Ale. L. Gershenfeld. 32,061; May 10.
Big G.—Wonder Cleaner. For Cleaning Compound. Big G. Products Co. 32,047; May 10.
Booth's Pale Dry Ginger Ale. For Ginger Ale. Booth Bottling Co. 62,048; May 10.
Boric-Cide. For Skin and Scalp Remedy. R. C. Ward. 32,088; May 10.
Cootie Game. For a Game. C. Bowlby. 32,049; May 10.
Cross Country Malt Syrup. For Hop-Flavored Malt Sirup. Rock Island Brewing Company. 32,079; May 10.
De Rosa's Houston Coffee. For Roasted Coffee. F. De Rosa. 32,051; May 10.
Dew Drop Lather Lotion. For Shaving Lotion. G. D. Mitchell. 32,073; May 10.
Dr. Whites Cold and Grippe Pills. For Medicine for the Relief of Colds, Headaches, and Grippe. First National Laboratories Inc. 32,058; May 10.
Dr. Willson's Dust and Spray Mask. For Respirators. Willson Goggles, Inc. 32,089; May 10.
Embrocation. For Liniment for Relief of Rheumatism. E. J. McInnis. 32,072; May 10.
Eubien. For Coffee Mixture. G. W. McClintock. 32,071; May 10.
Frontier. For Fresh Tomatoes. I. G. Adamson. 32,045; May 10.
Holsum. For Canned Evaporated Milk. J. H. Colbert. 32,050; May 10.
It's a Gem Sportwear. For Knit Goods. Gem Knitting Mills. 32,060; May 10.
Kerry Patch. For Tire Patch. A. E. Schlesinger. 32,082; May 10.
Klean Kans. For Paper Bags Used for Liners of Garbage Pails. N. T. Solomon. 32,085; May 10.
Lilacko Spray. For Insecticides and Deodorants. Raymond Manufacturing Co. 32,078; May 10.
Lipps Cordial Cherries. For Chocolate-Covered Cordial Cherries. Frederick W. Lipps Co. 32,070; May 10.
Long Green. For Fresh Asparagus. Jack Bros. & McBurney Co. 32,064; May 10.
Lozenges No. 12 -Iothesin. For Medicinal Preparation. Drug Products Co. Inc. 32,056; May 10.
Luna. For Olive Oil. Ancona Brothers Wholesale Grocer Company. 32,046; May 10.
Lyk-Wyte. For a Skin Bleach. S. W. Neighbors. 32,075; May 10.
Mrs. Schaefer's Delicious. For Cake. Mrs. Schaefer's Cakes, Inc. 32,081; May 10.
Ointment No. 28 Alpicain. For Medicinal Preparation. Drug Products Co. Inc. 32,055; May 10.
Ointment No. 29 Neesrin. For Medicinal Preparation. Drug Products Co. Inc. 32,057; May 10.
Pabst AA. For Malt Sirup for Food and Beverage Purposes. Pabst Corporation. 32,076; May 10.
Parker's Foot-Care. For Foot Powder. Foot-Care Co. 32,059; May 10.
Porto Rican Gold Brand Fancy Grapefruit. For Canned Grapefruit. Haserot Company. 32,063; May 10.
Radium—The Better Blade. For Razor Blades and Safety-Razor Blades. Otto Roth, Inc. 32,080; May 10.
Salted Almonds. For Salted Almonds. E. F. Kemp. 32,066; May 10.
Salted Cashew Nuts. For Salted Cashew Nuts. E. F. Kemp. 32,069; May 10.
Salted Mixed Nuts. For Salted Mixed Nuts. E. F. Kemp. 32,065; May 10.
Salted Peanuts. For Salted Peanuts. E. F. Kemp. 32,068; May 10.
Salted Pecans. For Salted Pecans. E. F. Kemp. 32,067; May 10.
See it in Glass—Buy it in Tin! For Canned Pears. J. M. Payer Company. 32,077; May 10.
Snider's. For Canned Corn. T. A. Snider Preserve Co. 32,084; May 10.
10A. Haemozon. For Medical Preparation. J. R. Stege. 32,086; May 10.
The Lady Slipper. For Hosiery. Diel Grund Company. 32,052; May 10.
The Mum. For Hosiery. Diel Grund Company. 32,054; May 10.
The Rose. For Hosiery. Diel Grund Company. 32,053; May 10.
The Starry Puzzler. For a Puzzle. J. M. Schneider. 32,083; May 10.
Thompson's Chocolate Flavor Egg Malted Milk. For Egg-Malted Milk. Thompson's Malted Food Company. 32,087; May 10.
Tigre. For Tunny Fish. Monteverde, Rolandelli & Parodi, Inc. 32,074; May 10.
Whipped Cream Caramels. For Candy. A. M. Wood. 32,090; May 10.

ALPHABETICAL LIST OF PRINTS.

Arotrol. Device to be Attached to the Aerial Circuit of a Radio or to the Aerial Circuit of a Radio Set and to the Ground Circuit. L. P. Tenney. 9,831; May 10.
Aznrine. For Lenses. American Spectacle Co. 9,816; May 10.
Broadwinner Harness—A Boyt Made Harness at a Low Price. For Harnesses. Boyt Company. 9,819; May 10.
Dental Health. For a Dental Kit Comprising a Carton Including Dental Supplies. R. H. Brown. 9,821; May 10.
For Dessert My-T-Fine. For Dessert Preparations. D & C Co. Inc. 9,823; May 10.
Grace Tancill Jersey Suit Model VIII. For Dresses. G. Tancill. 9,830; May 10.
Grace Tancill Two-Piece Jersey Dress Model VII. For Dresses. G. Tancill. 9,829; May 10.
Head Cold Goes This Way—Mistol. For Nose and Throat Spray. Standard Oil Company (New Jersey). 9,828; May 10.
Jordan Track Oiler Spraying Machine. For Track Oiler and Spraying Machines. O. F. Jordan Company. 9,825; May 10.
Leave Your Food Pains With Us. For Foot Appliances. Corrective Foot Appliance Company. 9,822; May 10.
Our Cotton Mill and Village. For Athletic Underwear. B. V. D. Company. 9,817; May 10.
Over 60 Sizes for Widely Varying Builds. For Athletic Underwear. B. V. D. Company. 9,818; May 10.
Radiant Heat Furnaces. For Carborundum Furnaces. Alcorn Combustion Company. 9 815; May 10.
Setagene Hair Setting Lotion. For Hair Preparations. Eugene Ltd.. 9,824; May 10.
Soap Plant of the West. For Sayman's Vegetable Wonder Soap. T. M. Sayman Products Company. 9,827; May 10.
The Boyt Harness, the Standard Work Harness of America. For Harnesses. Boyt Company. 9,820; May 10.
The Kum-4-Ett—A Part of Mi-Lady's Wardrobe! For Sanitary Garments. J. Perlzweig. 9,826; May 10.
Universal Cooler Fills a Universal Need. For Automatic Refrigerating Units. Universal Cooler Corporation. 9,832–3; May 10.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Asbestos, Sheet. Victor Manufacturing & Gasket Co. 228,151–3; May 10.
Coal. Blue Diamond Coal Company. 245,326; May 10.
Coal. B. C. Dudley Coal Company. 244,551; May 10.
Coal. Hooper-Mankin Fuel Company. 245,094; May 10.
Leather. Griess Pfleger Tanning Company. 245,394; May 10.
Rubber, Crude. Continental Rubber Company of New York. 245,475; May 10.
Seed, Lawn. Kroger Grocery & Baking Co. 245,645; May 10.

CLASS 2.

Bank supplies. Continental Bank-Supply Company. 227,828; May 10.
Boxes, sewing baskets, perfume boxes, etc., Jewel. Armin Degener, Inc. 241,036; May 10.
Containers adapted for storage, transportation, etc., Empty. Dryice Corporation of America. 211,339; May 10.
Receptacles made of peat, Seedling growing and setting-out. Growell Pot Company. 245,437; May 10.
Suitcases, fitted cases, and hand bags. Eagle Leather Goods Company. 232,721; May 10.

CLASS 3.

Bags, Ladies' hand. Schnuerer & Murray. 245,927; May 10.
Bags, Ladies' hand. John Wanamaker Philadelphia. 237,995; May 10.

CLASS 4.

Cleaners and polishers for aluminum, copper, brass, etc. E. J. Cole. 246,196; May 10.
Cleaning artificial teeth, Powder for. Reno Specialty Company. 228,441; May 10.
Cleaning fluid, Dry-. Bass and Goldberg. 228,169; May 10.
Polishes, Metal. G. E. Bennett. 246,384; May 10.
Soap and metal polish, Motor-car. A. W. Harris Oil Company. 242,994; May 10.
Soap, soap powder, soap chips, soap flakes, etc. Colgate & Company. 245,780; May 10.
Soaps. Rex Products Company. 245,368; May 10.
Soaps and washing powder. Poland Soap Works. 246,200; May 10.
Soaps, soap jelly, shaving cream, metal polishes, etc. J. R. Watkins Company. 244,898; May 10.

CLASS 5.

Antilefator compound, Tire-puncture. Jynx Company. 245,790; May 10.

CLASS 6.

Antiseptics. Forhan Company. 243,934; May 10.
Calogreen. Mallinckrodt Chemical Works. 244,234; May 10.
Cough sirup, hair tonic, kidney and bowel medicines, corn salve, etc. J. R. Kirk. 244,503; May 10.
Creams, Cleansing and massage. Freckle-Off Co. 246,545; May 10.
Creams, Face. Woodworth, Inc. 245,417; May 10.
Dandruff remover and preventer. C. W. Beggs, Sons & Co. 230,867; May 10.
Disinfectants for hands and the field of operation and a cosmetic for the skin. Pharmakon A. G. Chemische Fabrik. 243,013; May 10.
Dyes. Roubaix Products Company. 246,572; May 10.
Hairdressing. H. B. Saunders. 246,713; May 10.
Indigestion powder. Lincoln & Bosworth. 245,733; May 10.
Insect and vermin destroyer. R. J. Baughman, sr. 246,659; May 10.
Insecticide. I. Halpern. 230,917; May 10.
Insecticide. T. P. Perdue. 246,847; May 10.
Laxative. Cole Chemical Company. 245,050; May 10.
Laxative, Chocolate. Eothen Mfg. Co. 245,345; May 10.
Laxative medicines. Tarrant Company. 245,871; May 10.
Liniment. M. S. Hooker. 246,347; May 10.
Lotion and counterirritant, Rubefacient. J. A. Kelley. 246,415; May 10.
Medicinal preparation. Hollander Bros. Drug Co. 246,682; May 10.
Medicinal preparation. Santoris Company. 240,445; May 10.
Medicine. Sal-Phenine Laboratories Inc. 246,712; May 10.
Moth destroyer, bedbug destroyer, insect powder, etc. Cenol Company. 244,983; May 10.
Ointment. B & K Company. 243,339; May 10.
Preparation for preventing moths from living in the vicinity and known as cedar bars, a chemical for increasing the usefulness of storage batteries, and a compound adapted to dissolve accumulations of grease and remove them from drainpipes. Arveo Industries. 244,127; May 10.

Preparation for the treatment of skin diseases. J. V. Ferris. 245,260; May 10.
Salt. Smoked Salt Company. 241,117; May 10.
Skin bleach and beautifier. P. Agnost. 244,645; May 10.
Tonic. S. Sisselman. 246,003; May 10.
Vichy. Queen City Bottling Co. 245,750; May 10.

CLASS 9.

Shotgun shells. Sears, Roebuck and Co. 246,851–2; May 10.

CLASS 10.

Commercial fertilizer and nitrate of soda and potashes used in the production of commercial fertilizers. Georgia Fertilizers Company. 244,554; May 10.
Peat moss, Form of. Julius Loewith, Inc. 231,114; May 10.

CLASS 12.

Asphalt in liquid form and asphalt roofing felt. United States Roofing Corporation. 245,236; May 10.
Brick and fireproofing tile, Face and common. Alliance Clay Products Co. 245,684; May 10.
Bricks. Fiske & Company. 245,261; May 10.
Gypsum. Atlas Gypsum Corporation. 244,271; May 10.
Roofing, Asphalt. Belknap Hardware & Manufacturing Company. 245,323; May 10.

CLASS 13.

Ball-and-socket banister construction joints. F. Luipersbek. 245,277; May 10.
Bolts, screws, rivets, nuts, etc. Southern California Iron & Steel Company. 243,067; May 10.
Buckles for cotton-bale ties. Compress Buckle Company. 244,986; May 10.
Dish drainers. Utility Manufacturing Company. 245,766; May 10.
Dishes, boilers, cake pans, coffeepots, etc., Baking. G. Sommers & Company. 245,750; May 10.
Metal angles, metal arrows, bells for toys, dog collars, etc. Edwin B. Stimpson Company. 185,154; May 10.
Metal angles, metal arrows, bells for toys, dog collars, etc. Edwin B. Stimpson Company. 185,156; May 10.
Metal pipes, tubes, and pipe couplings. National Tube Company. 232,686; May 10.
Pans and kettles, Metal. Camille Charlier and Abraham Errera. 244,134; May 10.
Plumbers' and steam fitters supplies. Lily Foundry Company. 236,214; May 10.
Valves for controlling the flow of fluids. Edward Valve and Manufacturing Co. 236,307; May 10.

CLASS 14.

Aluminum rod, brass sheet, copper wire, lead sheet, etc. Central Scientific Company. 213,001; May 10.
Saw-blade blanks, rolled and hammered steel, and drawn steel. Fagersta Bruks Aktiebolag. 233,926; May 10.
Zinc rods. Matthiessen & Hegeler Zinc Company. 246,353; May 10.

CLASS 15.

Gasoline, kerosene, motor oils, etc. H. B. Van Dyne. 244,036; May 10.
Oil, Mineral. R. T. Vanderbilt Company. 242,358; May 10.
Oils, Gasoline and lubricating. Looboyle Refining Company. 245,100; May 10.
Oils, Lubricating. P. B. Sullivan. 245,935; May 10.
Petroleum and products of petroleum. Standard Oil Company of New York. 245,934; May 10.

CLASS 16.

Cleaning and polishing preparation. I-Sis Laboratories, Inc. 246,684; May 10.
Paint, Asphaltum. Sterling Products Company. 243,510; May 10.
Paint enamels, varnishes, wood stains, etc. Pratt & Lambert, Inc. 245,450; May 10.
Paint enamels, varnishes, wood stains, etc. Pratt & Lambert, Inc. 245,452; May 10.
Paint in ready-mixed form, Waterproof. Wm. Anderson Co. 245,314; May 10.
Paints and varnishes, Thinners for. Groton Chemical Co. 243,855; May 10.
Paints, varnish, and paint enamel, etc. W. P. Fuller & Co. 244,299; May 10.
Paints, varnishes, and paint enamels. J. B. Chappell, Inc. 243,305; May 10.
Polish. H. T. Crawford. 226,847; May 10.

CLASS 17.

Cigars. Newman Cigar Co. 245,449; May 10.

CLASS 19.

Automobiles, Fabric door and seat covers for. Cincinnati Auto Specialty Co. 246,332; May 10.

Automobiles, Gasoline passenger. Hudson Motor Car Company. 244,444; May 10.
Bicycles. Colson Company. 228,301; May 10.
Brake appliances, master cylinders, and leakproof wheel cylinders, Hydraulic. Safety Products Corporation. 245,518; May 10.
Spring pneumatic or hydraulic suspensions, leaf springs, etc. Compagnie d'Applications Mecaniques. 234,503; May 10.
Vehicles and parts thereof, Radiators for automotive. Winchester Repeating Arms Company. 241,760; May 10.
Wagons and road oil distributors, Distributing and dumping American Road Machinery Company. 228,399; May 10.

CLASS 21.

Batteries, dry cells, electric motors, Storage. K. C. B. Electric Mfg. Co. 228,111; May 10.
Batteries, radio receiving sets, and parts thereof. Kaufmann Department Stores, Inc. 228,909; May 10.
Electric-lighting fixtures and stands, lamps and parts thereof, Permanent and portable. Silvergio Lamps, Inc. 242,507; May 10.
Electric stoves, plates, and ranges. Geo. D. Roper Corporation. 244,887; May 10.
Electrical apparatus. Pacent Electric Company. 239,865; May 10.
Electrical apparatus. Pacent Electric Company. 242,738–9; May 10.
Phonographs, Attachment or accessory for. M. Weil. 209,448; May 10.
Radio inductance coils. V. V. Roe. 245,030; May 10.
Radio receiving sets and parts thereof. Electrical Research Laboratories. 244,674–6; May 10.
Spark plugs. Motometer Company. 245,157; May 10.
Stone for electrical insulation, etc., Artificial. Deceleco, Inc. 244,992; May 10.

CLASS 22.

Baits, Artificial. James Heddon's Sons. 246,679; May 10.
Fishing lines. Cortland Line Co. Inc. 246,600; May 10.
Fishing-tackle boxes. Outing Manufacturing Company. 242,962; May 10.
Golf balls. Draper-Maynard Company. 246,468; May 10.
Toy guns. Tiddywoods Toy Company. 246,785; May 10.
Toy horns, kites, whistles, caps, balloons, baseballs, etc. H. H. Snovel. 246,314; May 10.

CLASS 23.

Fire extinguishers and parts therefor. Phister Manufacturing Company. 244,513; May 10.
Implements and seeding machines, Agricultural. Moline Implement Company. 245,650; May 10.
Kilns, Clinker coolers for rotary cement. F. L. Smidth & Co. 245,110; May 10.
Machines for washing cars, trucks, and other vehicles. Rotawasher Corporation. 246,506; May 10.
Pulverizers for industrial uses. Riley Stoker Corporation. 242,619; May 10.
Saws and machine knives. Simonds Saw and Steel Company. 245,302; May 10.
Sewing machines and parts thereof. Union Special Machine Company. 246,135; May 10.
Vacuum cleaners. Kaufmann Department Stores, Inc. 228,910; May 10.

CLASS 24.

Washing machines. Kaufmann Department Stores, Inc. 228,911; May 10.

CLASS 25.

Locks. Master Lock Company. 237,181; May 10.

CLASS 26.

Lenses and frames and mountings therefor, Ophthalmic. J. Scadron. 237,823; May 10.
Telescopes. Washington Jewelry Company. 246,187; May 10.

CLASS 27.

Watches and parts thereof. Diel Watch Case Co. 224,751–3; May 10.
Watches and parts thereof. Diel Watch Case Co. 244,756; May 10.
Watches and parts thereof. Diel Watch Case Co. 244,759–60; May 10.
Watches and parts thereof. Waltham Watch Company. 238,929; May 10.

CLASS 28.

Rubies and sapphires, beads, bracelets, etc., Artificial. Palais Royal, Inc. 244,096; May 10.

CLASS 29.

Brushes. Pro-phy-lac-tic Brush Company. 245,581; May 10.

CLASS 31.

Refrigerators. McDougall Company. 246,041; May 10.

CLASS 35.

Belting and packing, Rubber and fabric. Pioneer Rubber Mills. 244,180; May 10.
Tire casings and inner tubes therefor, Pneumatic. Northern Rubber Company. 244,954; May 10.
Tire patches. White Mule, Inc. 227,206; May 10.

CLASS 36.

Harmonicas, Mouth. M. Hohner, Inc. 245,717; May 10.
Musical instruments, Strings for. Henry Stadlmair Co. 246,281; May 10.
Musical wind instruments. W. M. Griffin. 244,929; May 10.
Phonograph records. Starr Piano Company. 245,591; May 10.
Phonographs and parts thereof and supplies therefor. Brunswick-Balke-Collender Company. 245,888; May 10.
Pianos. Milton Piano Company. 246,107; May 10.

CLASS 37.

Paper. H. Fishman. 245,088; May 10.
Paper, Kraft. Coy, Disbrow & Co. 244,290; May 10.
Paper outfit, Crepe-. Dennison Manufacturing Company. 243,201; May 10.
Paper, writing stencils, fountain pens, etc., Drawing and tracing. Filler & Fiebig. 243,485; May 10.

CLASS 38.

Books, Printed. Foundation Press, Inc. 246,275; May 10.
Cards, posters, pictures, advertising cards, circulars, etc., Greeting. Paul L. Baruch Publishing Co. Incorporated. 241,802; May 10.
Cartoons or comic strips. Macfadden Publications Incorporated. 245,065; May 10.
House organ. Bethlehem Fabricators, Inc. 243,640; May 10.
House organ. Stanco Distributors, Inc. 246,716; May 10.
Magazine. American Trade Publishing Co. 246,880; May 10.
Magazine. Constructive Publishing Corporation. 246,394; May 10.
Magazine. Dugan Brothers, Inc. 246,409; May 10.
Magazine. L. E. McIlvain. 245,445; May 10.
Magazine. McQuiddy Printing Company. 245,446; May 10.
Magazine. H. S. Pace. 246,621; May 10.
Magazine. Textile Publishing Company. 246,722; May 10.
Magazine. Western Construction News, Inc. 244,806; May 10.
Magazine. J. T. Wood. 246,799; May 10.
Newspaper. Troy Record Company. 246,860; May 10.
Newspaper articles. Troy Record Company. 246,859; May 10.
Periodical. Prairie Farmer Pub. Co. 246,930; May 10.
Publication. American Press. 246,802; May 10.
Publication. American Press. 246,804; May 10.
Publication. Marine Journal Co. 246,840; May 10.
Publication. Miller-Roth, Incorporated. 245,854; May 10.
Publication. N. Rushton. 243,785; May 10.
Publication. Williams Oil-O-Matic Heating Corporation. 246,375; May 10.
Publications. A. G. Young. 235,767; May 10.

CLASS 39.

Bandeaux. M. Sekey. 239,201; May 10.
Belts. Colonial Leather Goods Co. Inc. 245,694; May 10.
Blouses and dress shirts, Boys'. Every Buddy Blouse Co. 243,355; May 10.
Boots, shoes, sandals, moccasins, and bath slippers. Chaussures Bally Société Anonyme de Fabrication. 245,472; May 10.
Collars and shirts. Hall, Hartwell & Co. Inc. 245,554; May 10.
Collars and shirts. Hall, Hartwell & Co. Inc. 245,635; May 10.
Cravats, four-in-hand ties, bow ties, and necktie. Advance Neckwear Co. 245,950; May 10.
Dresses, coats, bloomers, underwear, etc. American Cellulose & Chemical Manufacturing Company. 239,847; May 10.
Dresses, Infants'. Monsheimer & Jacobs. 244,460; May 10.
Garters. H. L. Eager. 238,054; May 10.
Gloves, mittens, and gauntlets. M. B. Hamilton & Co. 242,664; May 10.
Hats for men and boys. Kaufman Hats Inc. 243,159; May 10.
Hats, Men's. Dalton Hat Co. Inc. 245,083–4; May 10.
Hosiery. Bear Brand Hosiery Co. 245,777; May 10.
Hosiery. Hudson Silk Hosiery Co. 242,058; May 10.
Hosiery. McDermott & Short. 245,797; May 10.
Knickerbockers and riding breeches. Sam Rosenbaum & Sons Company. 241,069; May 10.
Overalls, overall union suits, shirts, and pants. Bellmore Manufacturing Company. 244,346; May 10.
Shirts, dresses, and play suits, Work. Lullwater Manufacturing Company. 244,704; May 10.
Shirts, underwear, hosiery, sweaters, etc. Oppenheimer-Straus Company. 240,875; May 10.
Shoes and slippers. I. Miller and Sons Incorporated. 244,879; May 10.
Stockings. William F. Taubel, Incorporated. 240,887; May 10.
Suits, Men's. Graff Company. 243,267; May 10.
Sweaters and bathing suits. S. Augstein & Co. 244,811; May 10.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Sweaters and jackets, Knitted. Green-Haas-Schwartz Company. 245,483; May 10.

CLASS 40.

Art linen pieces, hair curlers, etc. Palais Royal, Inc. 244,101; May 10.
Snap fasteners and shoe slide fasteners, Shoe. Waldes Koh-I-Noor, Inc. 246,373; May 10.

CLASS 42.

Bedding. Simon Mattress Manufacturing Co. 238,022; May 10.
Cloth, Shade. Rasch & Galnor. 246,630; May 10.
Cotton and linen bed sheets, pillowcases, bedspreads, etc. Kaufmann Department Stores, Inc. 241,287; May 10.
Cotton duck in the piece. William L. Barrell Co. of New York, Inc. 244,972; May 10.
Cotton goods in the piece. Inman Mills. 245,558; May 10.
Handkerchiefs. Acheson Harden Co. 246,994; May 10.
Rayon fabric in the piece. Fred Butterfield & Co. Inc. 247,001; May 10.
Textile fabrics. Duplan Silk Corporation. 245,428; May 10.
Textile fabrics. Oriental Silk Printing Company. 246,562; May 10.
Velvets in the piece. Max Fiest, Inc. 236,923; May 10.

CLASS 44.

Aprons, belts and step ins, Sanitary. J. C. Penney Company. 246,566; May 10.
Belts for therapeutic use, Electroradium. B. R. Charles. 244,985; May 10.
Dental alloys. Baker & Co. Inc. 245,464; May 10.
Dental gold. G. J. Weinstein. 244,965; May 10.
Insoles. Scholl Mfg. Co. Inc. 244,244; May 10.
Manicure sets. G. A. Tipton. 245,235; May 10.
Sanitary napkins. Associated Druggists of New Jersey. 241,856; May 10.

CLASS 45.

Beverages. Sears & Derr Company. 246,640; May 10.
Beverages and flavoring materials for making the same. Sears & Derr Company. 246,639; May 10.
Beverages sold as soft drinks. Salt Lake Coca-Cola Bottling Co. 246,232; May 10.
Beverages sold as soft drinks. Whistle Bottling Co. 246,256; May 10.
Ginger ale. Woolner Brewing Company. 243,636; May 10.

CLASS 46.

Bread. Doctors' Essential Foods Co. 245,831; May 10.
Bread. Kommanditbolaget Spis- & Knäckebrödsfabriken Kronan, Barthel Kock. 227,022; May 10.
Bread. Wheat Fruit Cereal Company. 246,793; May 10.
Bread, cakes, and cookies. Aenchbacher Bros. 227,336; May 10.
Candy. Alberta Candy Co. Inc. 245,606; May 10.
Candy. C. Cummings. 246,153; May 10.
Candy. Flavour Candy Co. 246,544; May 10.
Candy bar. Wilkes Barre Maid Candy Company. 246,523; May 10.
Candy bars. F. A. Martoccio Company. 246,300; May 10.
Canned fruits and vegetables. Pacific Northwest Canning Company. 241,177; May 10.
Canned fruits and vegetables, coffee, spices, etc. Illinois Canning Co. 244,827; May 10.
Canned fruits and vegetables, spices, soups, butter, etc. Garofalo Brothers. 241,995; May 10.
Canned fruits, vegetables, and tomato purée. A. Krasne. 244,778; May 10.
Canned fruits, vegetables, fish, and shellfish. A. Krasne. 244,561; May 10.
Canned peaches. Sutter Cooperative Growers. 218,670; May 10.
Cocoa. André Chetelat Co. 246,325; May 10.
Coffee. Pearl Coffee Company. 242,330; May 10.
Coffee, paprika, bacon, cracker meal, canned apricots, etc. American Stores Company. 220,832; May 10.
Confection. B. F. West. 245,768; May 10.
Dairy products. "Y & B" Corporation. 234,809; May 10.
Extracts, Food-flavoring. Certified Extracts Inc. 225,399; May 10.
Flour, Wheat. Larabee Flour Mills Company. 240,035; May 10.
Flour, Wheat. Russell-Miller Milling Co. 240,179–80; May 10.
Food, Dog. Old Trusty Dog Food Company. 244,093; May 10.
Food for dogs, cats, and other carnivorous animals, Prepared. Chappel Bros., Inc. 246,389; May 10.
Fruits Fresh citrous. Manatee County Citrus Sub-Exchange. 243,614; May 10.
Grapes, Fresh. P. S. Gray. 246,607; May 10.
Gum, Chewing. Goudey Gum Co. 246,401; May 10.
Jams, jellies, fruit butters, and canned fruits. Pacific Northwest Canning Company. 240,087; May 10.
Marshmallows. Richlite Products Co. 241,670; May 10.
Melons and fresh vegetables. J. Katekaru. 227,357; May 10.
Milk, Pasteurized. J. D. Roszell Company. 227,910; May 10.
Oleomargarine. Jaburg Brothers, Inc. 246,289; May 10.
Sandwiches, chili, and hot tamales. Henry Leroy Lane and Fred Lee Bowles. 244,159; May 10.
Sirups, Cane-sugar. Godchaux Sugars Inc. 245,544–6; May 10.
Sirups, Cane-sugar. Godchaux Sugars Inc. 245,548; May 10.
Vinegar. Roanoke Apple Products Co. 218,778; May 10.

CLASS 48.

Malt extracts and sirups. United Malt Company. 246,517; May 10.
Malt extracts for food purposes. G. Onorato. 243,773; May 10.
Malt sirup. Ben-Burk, Inc. 246,731–2; May 10.
Malt sirup. Ben-Burk, Inc. 246,731–2; May 10.
Malt sirup. Pabst Corporation. 246,563; May 10.
Malt sirup. Philadelphia Malt Warehousing Corporation. 245,808; May 10.
Malt sirup. St. Louis Products Company. 245,166; May 10.
Malt sirup. Sunnyside Malt Syrup Co. 241,072; May 10.

CLASS 50.

Wind vanes. F. Luipersbek. 245,278; May 10.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A/S Norsk Kjelerensningsmiddel Ideal. (See Lillejord, Hans, assignor.)
Abbott, William E., Rochdale, and J. R. Elgey, Littleborough, assignors to George Spencer Moulton & Company, Limited, London, England. Automatically relieving the pressure on pressure members when the same are subjected to undue stress. 1,628,297; May 10.
Abreu, Joaquin S., San Francisco, Calif. Aeroplane. 1,628,098; May 10.
Adkins, John J., Southport, N. C. Back brush. 1,628,023; May 10.
Adlake Company, The. (See Hamm, William S., assignor.)
Adsit, George, assignor to B. Eastwood Company, Paterson, N. J. Quilling machine. 1,627,820; May 10.
Advance Machine Company. (See Antoine, A. D., and Gebert, assignors.)
Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electromagnet. 1,627,821; May 10.
Akron Standard Mold Company, The. (See Greer, William E., assignor.)
Akron Standard Mold Company, The. (See Reichard, Harold D., assignor.)
Aldis, William J. (See Mallett, C. S., and Aldis.)
Alexander, Verne P., assignor of one-half to O. L. Herron, Chicago, Ill. Home savings bank. 1,627,822; May 10.
All American Radio Corporation. (See Weibler, Carleton T., assignor.)
Allen, Arthur W. (See Herman, J., Allen, and Newitt.)
Allen, George W., assignor to R. F. Sturtevant Company, Hyde Park, Mass. Blower. 1,628,216; May 10.
Allinger, Albert A., Richmond Hill, assignor to American Game & Toy Corporation, Brooklyn, N. Y. Game apparatus. 1,628,446; May 10.
Allis-Chalmers Manufacturing Company. (See Feind, Robert F., assignor.)
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Allis-Chalmers Manufacturing Company. (See Powell, William H., assignor.)
Allis-Chalmers Manufacturing Company. (See Sprado, Carl G., assignor.)
Allis-Chalmers Manufacturing Company. (See Steen, Carl W., assignor.)
Allis-Chalmers Manufacturing Company. (See Taylor, Charles B., assignor.)
American Couch & Body Company, The. (See Larsen, Niel P., assignor.)
American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)
American Game & Toy Corporation. (See Allinger, Albert A., assignor.)
American Gas Machine Company. (See Green, Andrew, assignor.)
American Multigraph Company, The. (See Bates, Albert H., assignor.)
American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
American Multigraph Company, The. (See Morse, Lawrence H., assignor.)
American Multigraph Company, The. (See Osborn, Henry C., assignor.)
American Paper Goods Company, The. (See Cooley, Henry B., assignor.)
American Steel and Wire Company, The. (See Busey, H. S., and Hallstrom, assignors.)
American Telephone and Telegraph Company. (See Cory, Samuel L., assignor.)
American Telephone and Telegraph Company. (See Hall, Merton C., assignor.)
Anchor Cap and Closure Corporation. (See Durkee, Chauncey H., assignor.)
Anderson, Carl L., et al. (See Swenson, Carl E., assignor.)
Anderson, Edward V., Belle Vernon, assignor of one-half to C. E. Golden, Crafton, Pa. Automatic control valve. 1,627,628; May 10.
Anderson, Gustaf A., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Car truck. 1,628,298; May 10.
Anderson, John W., Hamilton, Ontario, Canada. Refrigerating device. 1,627,629; May 10.
Anderson, Thomas H., assignor to M. E. Bernhardt, New York, N. Y. Cigar cutter. 1,628,570; May 10.
Anderson, Walter S., assignor to E. Holley, Detroit, Mich. Vent plug for permanent molds. 1,627,879; May 10.
Angell, Chester M., assignor to Vesta Battery Corporation, Chicago, Ill. Battery-plate-filling machine. 1,627,763; May 10.
Angell, Chester M., assignor to Vesta Battery Corporation, Chicago, Ill. Battery-plate-pasting machine. 1,627,764; May 10.
Anthony Company. (See Benedict, Charles H., assignor.)
Antoine, Alfred D., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,627,547; May 10.
Antonette, Joseph B. (See Underwood, Jesse J., assignor.)
Aridor Company, The. (See Brown, A., and Peck, assignors.)
Aridor Company, The. (See Peck, R. G., and Brown, assignors.)
Arkell Safety Bag Company. (See Goodlett, Nicholas M., assignor.)
Arrowood, Milton W., Wilmette, Ill. Coal-grinding mill. 1,628,099; May 10.
Asmus, Charles R., Columbus, Ohio. Laundry appliance. 1,627,948; May 10.
Atlas Powder Company. (See Wilcoxon, F., and Grotta, assignors.)
Attaway, Elisha, Logansport, La. Rafter gauge. 1,628,447; May 10.
Attridge, Oliver H. (See Harris, H. M., and Attridge.)
Atwell, Harold V., assignor to Standard Oil Company, Whiting, Ind. Seal. 1,628,348; May 10.
Atwood, Winfield A., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,628,448; May 10.
Aufsesser, Gates B., assignor to Mohawk Brush Company, Albany, N. Y. Hairbrush. 1,628,299; May 10.
August, Ralph M. C. R., Great Kills, N. Y., assignor, by mesne assignments, to L. A. Florence, Teaneck, N. J. Radiojack. 1,627,823; May 10.
Auld, D. L., Company, The. (See Auld, Fredrick H., assignor.)
Auld, Fredrick H., assignor to The D. L. Auld Company, Columbus, Ohio. Sign. 1,628,349; May 10.
Automatic Electric Inc. (See Richardson, Rodney G., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automatic Electric Inc. (See Willis, Bernard D., assignor.)
Ayers, Joseph G., W. H. Chapman, Montclair, and M. E. Berlowitz, Belleville, N. J., assignors to General Motors Corporation, Detroit, Mich. Gauging machine. 1,627,683; May 10.
Azamber, John, Pittsburg, Kans. Fly swatter. 1,628,486; May 10.
B. & S. Manufacturing Products Corporation. (See Stern, C., and Braden, assignors.)
Bachmann, Frank, assignor to The Dorr Company, New York, N. Y. Separation of solids from liquids. 1,627,550; May 10.
Bacon, Byron R., assignor of two-fifths to W. N. Bacon, New York, N. Y. Internal-combustion engine. 1,628,100; May 10.
Bacon, Wilber N. (See Bacon, Byron R., assignor.)
Badura, Benedict S., Lincoln, Nebr. Granary door. 1,627,548; May 10.
Bailey, Rufus W., Kansas City, Mo. Automotive vehicle. 1,628,350; May 10.
Baker, Edgar N., assignor to The Robbins & Myers Company, Springfield, Ohio. Electric motor. 1,627,949; May 10.
Baker-Raulang Company, The. (See Hertner, J. H., and Remde, assignors.)
Baldwin, Elnora E., Rand, Colo. Marcel hair waver. 1,627,590; May 10.
Baldwin, William A., Haiku, Hawaii. Pineapple stump-shredder and harrow. 1,628,101; May 10.
Ballard, John L., Denver, Colo. Typewriting-machine attachment. 1,628,102; May 10.
Balston, Clyde C., New York, N. Y. Photographic camera. 1,627,722; May 10.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,628,487; May 10.
Banzet, Paul J., assignor to Bruyere Banzet & Co., Societe Dauphinoise de Materiel Textile, Bourgoin, France. Dobby for looms. 1,627,950; May 10.
Barbaron, Marius J. B., Paris, France. Control of carburetors. 1,627,951; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lamp-post or similar article. Des. 72,583; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lighting-standard capital. Des. 72,584; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lighting-standard capital. Des. 72,585; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lighting-standard capital. Des. 72,586; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lighting-standard capital. Des. 72,587; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lighting standard. Des. 72,588; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lamp-post or similar article. Des. 72,589; May 10.

Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Combination post and lighting standard. Des. 72,590; May 10.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Truck side frame. 1,628,300; May 10.

Bates, Albert H., Shaker Heights, assignor to The American Multigraph Company, Cleveland, Ohio. Latch for embossing machines. 1,627,684; May 10.

Bates, George T., assignor to Illinois Watch Case Company, Elgin, Ill. Watch case and making same. 1,627,765; May 10.

Bauer, Bruno, Vienna, Austria. Casing or mold box for concrete beams or ties. 1,628,385; May 10.

Baum, Ernst O., Jungenthal, near Kirchen, Germany. Compressed-air locomotive. 1,628,217; May 10.

Bausch and Lomb Optical Company. (See Flodin, Oscar H., assignor.)

Baxter, William E., Louisville, Ky. Automatic handle. 1,627,880; May 10.

Beach, Clarence E., Binghamton, N. Y., assignor to The Gamewell Company, Newton, Mass. Signaling system. 1,627,685; May 10.

Beach, Riley F. (See Johnson, Kirk A., assignor.)

Beanish, John T. (See Prichard, Channing, assignor.)

Beaty, Bruce F., assignor to The Universal Milking Machine Co., Waukesha, Wis. Dairy-Equipment cleaner. 1,627,824; May 10.

Beauchamp, Dora F., Forest Hills, N. Y. Adjustable reflector. 1,628,218; May 10.

Beaumont, R. H. Co. (See Hale, William E., assignor.)

Bebry, Percival P., West Roxbury, Mass., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Tufted-mattress button. 1,627,723; May 10.

Beck, Kenneth H., and E. H. Blackburn, Pittsburgh, Pa. Door catch. 1,627,825; May 10.

Becker, Dean B., Fort Atkinson, Wis. Jacketed casing. 1,628,524; May 10.

Becker, Heinrich, Kiel-Hassee, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Cylinder for internal-combustion engines. 1,627,549; May 10.

Beers, William C. (See Hunt, Clarence T., assignor.)

Beery Shocker, Incorporated. (See Dickinson, Harry S., assignor.)

Bell, Charles E., Charleroi, assignor of one-half to T. H. Robinson, Donora, Pa. Mine-car check lock. 1,628,525; May 10.

Bell, Elmer, et al. (See Blackmore, William, assignor.)

Bellone, Alfred F. S., Lyons, assignor to Societe Chimique des Usines du Rhone, Paris France. Reduction of halogenated hydrocarbons. 1,627,881; May 10.

Beloit Iron Works. (See Berry, Earl E., assignor.)

Bendix Brake Company. (See Cantley, John R., assignor.)

Benedict, Charles H., assignor to Anthony Company, Streator, Ill. Clutch mechanism. 1,628,219; May 10.

Benfonti, Salvatore, et al. (See Pagano, Gaetano, assignor.)

Benner, Raymond C., Bayside, assignor to The Prest-O-Lite Company, Inc., New York, N. Y. Making separators and separator stock. 1,628,104; May 10.

Berg Manufacturing Company. (See Berg, Nanstad, assignor.)

Berg, Nanstad, assignor to Berg Manufacturing Company, Cleveland, Ohio. Pulley. 1,628,220; May 10.

Bergloff, Andrew E., assignor to Wolfe Improved Rotary Rod Weeder, Cheney, Wash. Underground gearing. 1,628,022; May 10.

Bergman, Lars H., assignor to Raymond Bros. Engineering Co., Chicago, Ill. Method of and apparatus for preparing, feeding, and burning pulverized fuel. 1,627,766; May 10.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Device for moistening adhesive tape. 1,628,221; May 10.

Berliner, Emile, Washington, D. C. Wall. 1,628,351; May 10.

Berlowitz, Max E. (See Ayers, J. G., Chapman, and Berlowitz.)

Bernhardt, Max E. (See Anderson, Thomas H., assignor.)

Bernhardt, Max E. (See Greene, David W., assignor.)

Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper-making machine. 1,627,882; May 10.

Berth, Arthur, Sheboygan, Wis. Automatic switch for electric lights. 1,628,222; May 10.

Best, Frank E., Seattle, Wash. Multiple-station automatic machine. 1,628,103; May 10.

Bichell, Ernest A., et al. (See Smith, Charles F., assignor.)

Biernat, Carl, Glasford, Ill. Railway tie and rail fastener. 1,628,449; May 10.

Bigger, Andrew F. (See Rost, Robert W., assignor.)

Bildstein, Paul, and E. Seidel, Elberfeld, Germany. Device for stopping railway trains independently of the driver. 1,627,724; May 10.

Bird, Edward S., and F. B. Cockburn, assignors to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Lathe. 1,628,598; May 10.

Blackburn, Edward H. (See Beck, K. H., and Blackburn.)

Blacker, Earl, Everett, Wash. Bag-delivering machine. 1,628,301; May 10.

Blackley, William R., Hamlet, N. C., and R. M. Meredith, Savannah, Ga. Driving-box mounting. 1,628,223; May 10.

Blackmore, William, assignor of one-third to E. Bell, Sharon, Pa., and one-third to W. C. Blackmore, Cleveland, Ohio. Snubber attachment for vehicle springs. 1,628,386; May 10.

Blackmore, William C., et al. (See Blackmore, William, assignor.)

Blair, Robert S., et al. (See Dieterich, Ludwig M., assignor.)

Blair, Robert S., Sound Beach, Conn. Humidor. 1,627,883; May 10.

Blair, Robert S., Stamford, and B. D. Wells, Danbury, Conn., said Wells assignor to said Blair. Shipping container for sound-reproducing records. 1,628,105; May 10.

Blaisdell Pencil Company. (See Weis, George G., assignor.)

Blake, C. C., Incorporated. (See Fernald, Mark E., assignor.)

Blake, Charles C., Brookline, Mass. Metallic fastening inseam. 1,628,599; May 10.

Blanchard, Harold L., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Intermittent feeler in transferrer. 1,627,826; May 10.

Blanchard Machine Company, The. (See Spencer, Henry K., assignor.)

Blanchard, Walter P., Winthrop, Mass., assignor to General Electric Company. Telemetric apparatus. 1,628,450; May 10.

Bleecker, George W., et al., trustees. (See Pendleton, Pyam L., assignor.)

Blocki, Herbert J., Sheboygan, Wis. Packing pad. 1,627,827; May 10.

Bloss, Richard R., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Bearing. 1,628,577; May 10.

Blue Point Tool Company. (See Seidemann, William A., assignor.)

Blunt, James G., Schenectady, N. Y. Cylinder cock. 1,628,024; May 10.

Bolonski, Felix, Pinckneyville, Ill. Ribber-machine attachment. 1,628,572; May 10.

Bonazzi, Ettore, Montpelier, Vt. Stone-dressing tool. 1,628,352; May 10.

Booty, Philip C. P., assignor of one-half to M. T. Daley, Chicago, Ill. Box for face powder and the like. 1,628,100; May 10.

Boudin, Louis, St. Gobain, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for making sheet glass. 1,628,353; May 10.

Bourgord, Edward, and A. Leitl, Park Falls, Wis. Operating apparatus for safety guards on roll winders of paper machines. 1,628,488; May 10.

Boving, Jens O., London, England. Hydraulic air-compression plant. 1,628,025; May 10.

Boving, Jens O., Westminster, London, England. Hydraulic air-inspiring plant. 1,628,026; May 10.

Bower, Frank A. (See Welsher, Samuel I., assignor.)

Bower, William M., C. S. Burdon, and C. L. Stern, assignors to Linotype and Machinery Limited, London, England. Method and mold for casting type bars. 1,628,573; May 10.

Boyce Thompson Institute for Plant Research, Inc. (See Denny, Frank E., assignor.)

Boyd, Ellis J., Oak Park, Ill. Combination hack and scroll saw. 1,628,526; May 10.

Boyer, Fernand, Paris, France. Thread-feeding device for tufted-fabric looms. 1,628,387; May 10.

Braach, Paul, Siegen, assignor of one-half to H. Rosenberger, Augsburg, Germany. Saucepan and the like. 1,628,107; May 10.

Brach, Leon S., East Orange, assignor to L. S. Brach Manufacturing Co., Newark, N. J. Electric lamp. 1,627,551; May 10.

Brach, L. S., Manufacturing Co. (See Brach, Leon S., assignor.)

Braden, Richard W. (See Stern, C., and Braden.)

Bradley, Charles E., Montclair, N. J., and W. A. Gibbons, New York, N. Y., assignors to The Naugatuck Chemical Company. Combining halogen-containing materials with rubber or similar substances and products resulting therefrom. 1,627,725; May 10.

Bradshaw, Harry, Kansas City, Mo. Paper feeding. 1,628,224; May 10.

Bradshaw, Harry, Topeka, Kans. Paper feeding. 1,628,225; May 10.

Brady, John D., assignor to Brady Process Company, El Dorado, Ark. Apparatus for the treatment of impure petroleum oils. 1,628,574; May 10.

Brady Process Company. (See Brady, John D., assignor.)

Braecklein, Ferdinand, H., Baltimore, Md. Milk-bottle receptacle. 1,628,575; May 10.

Brand & Oppenheimer, Incorporated. (See Zoline, Orrin B., assignor.)

Brandt, Edgar W., Paris, France. Projectile for smooth-bore guns. 1,628,527; May 10.

Braunstein, Simon, Brooklyn, N. Y. Knitted blouse. Des. 72,591; May 10.

Bray, Norman C., Portland, Oreg. Coupling sleeve for dredging pipe. 1,628,302; May 10.

Breese, James L., Jr., assignor to Oil Devices Corporation, Chicago, Ill. Furnace. 1,627,591; May 10.

Brendel, Fred G. (See Olinger, T., and Brendel.)

Bridgwater, Ernest R., Wilmington, Del., and D. H. Powers, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Age-resisting rubber compound and making same. 1,628,528; May 10.

Briggs Manufacturing Company. (See Marshall, William, assignor.)

Bright, Martin C., Indianapolis, Ind., assignor to B. B. Carlin, Chicago, Ill. Venturi-vacuum fuel-control system. 1,628,529; May 10.

Brillouin, Léon N., and E. M. F. Fromy, Paris, France. Transmission by electric oscillations. 1,627,767; May 10.

Bristol, William H., Highland, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Molding fruit-juice extractors. 1,627,884; May 10.

British Dyestuffs Corporation Limited. (See Cronshaw, C. J., T., and Naunton, assignors.)

Bronco Buster Pipe Company, The. (See Homan, Walter A., assignor.)

Brookby, Harry E., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Plastic cementitious material. 1,627,952; May 10.

Brown, Albert. (See Peck, R. G., and Brown.)

Brown, Albert, and R. G. Peck, assignors to The Aridor Company, Chicago, Ill. Display receptacle. 1,628,108; May 10.

Brown, Ladura A., Uniontown, Pa. Automatic safety breaker. 1,627,828; May 10.

Brown, Maurice E., Marinette, Wis. Method and apparatus for preserving posts. 1,627,829; May 10.

Browning, John, administrator. (See Browning, John M.)

Browning, John, executor. (See Browning, John M.)

Browning, John M., deceased, Ogden, Utah; J. Browning, administrator. Automatic firearm. 1,628,226; May 10.

Browning, John M., deceased, Ogden, Utah; J. Browning, executor. Firing control for automatic machine guns. 1,628,227; May 10.

Brust, Charles A., Memphis, Tenn. Cotton and hull separator. 1,628,451; May 10.

Bruyere Banset & Co., Societe Dauphinoise de Materiel Textile. (See Banzet, Paul J., assignor.)

Bryant Electric Company, The. (See Thomas, George B., assignor.)

Bryant, George F., assignor to Electrograph Advertising Service, Inc., Chicago, Ill. Printing press. 1,628,109; May 10.

Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,628,110; May 10.

Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Company. Safety guard for centrifugal machines. 1,628,303; May 10.

Buckley, Joseph W., Springfield, Mass. Valve construction for automatic hotwater heaters. 1,627,830; May 10.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd Wheel Company. (See Trout, W. M., and Des Jardins, assignors.)

Bullard Machine Tool Company, The. (See Petersen, Carl M., assignor.)

Bunker, Carl H., Arlington, assignor to Mellins Food Company of North America, Boston, Mass. Wrapping machine. 1,628,111; May 10.

Buquet, Edouard W., Montrouge, France. Constructing metal wheels. 1,627,953; May 10.

Burch Plow Works Co., The. (See Kime, Charles G., assignor.)

Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Intermittently-operable take-up mechanism for looms. 1,628,489; May 10.

Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Sectional air bag. 1,628,304; May 10.

Burdick, Charles L., London, England. Coin-wrapping machine. 1,628,576; May 10.

Burdon, Charles S. (See Bower, W. M., Burdon, and Stern.)

Burgess, C. F., Laboratories, Inc. (See Weiss, H. F., and Norris, assignors.)

Burghard, Edward G. (See Worth, Clemens S., assignor.)

Burke, John W., Del Rio, Tex. Barber's comb. 1,628,577; May 10.

Burnett, Charles A., Elkhart, Ind. Cleaning out pipe lines. 1,628,530; May 10.

Burns, Raymond W., Poughkeepsie, N. Y. Clamp machine. 1,628,112; May 10.

Burns, Raymond W., Poughkeepsie, N. Y. End-clamping device. 1,628,113; May 10.

Burson, Albert L., et al. (See Burson, George E., assignor.)

Burson, Frank B., et al. (See Burson, George E., assignor.)

Burson, George E., assignor of twelve and one-half per cent to A. L. Burson, twelve and one-half per cent to H. W. Burson, twelve and one-half per cent to F. B. Burson, and twelve and one-half per cent to H. H. Burson, Glendale, Calif. Internal-combustion engine. 1,628,027; May 10.

Burson, Harold H., et al. (See Burson, George E., assignor.)

Burson, Harvey W., et al. (See Burson, George E., assignor.)

Burt Machine Company. (See Wild, Charles H., assignor.)

Busey, Herbert S., and W. A. Hallstrom, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Spooling machine. 1,627,831; May 10.

Busha, Leon, assignor to W. E. Nelson, Minneapolis, Minn. Strip shingle. Re16,621; May 10.

Bushnell, Charles S. (See Dudley, S. W., and Bushnell.)

Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,628,452; May 10.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,628,453; May 10.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Brake-applying apparatus. 1,628,454; May 10.

Butterworth, H. W., & Sons Company. (See Ehnts, Frederic H., assignor.)

Caille, Adolph A., Detroit, Mich. Slug detector for check-controlled machines. 1,627,726; May 10.

Caldwell, Edwin, New York, N. Y. Smoker's article. 1,628,114; May 10.

Calhoun, Tracy J., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Collar and cover for tank gauge holes. 1,628,028; May 10.

California Fruit Growers Exchange. (See Bristol, William M., assignor.)

Call, Lloyd L., Detroit, Mich. Electric-circuit closer for relays. 1,628,115; May 10.

Callis, Conral C. (See Kraus, C. A., and Callis.)

Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,628,029; May 10.

Campbell Metal Window Corporation. (See Ilich, Amson G., assignor.)

Cannard, William H., assignor to Fort Howard Paper Company, Green Bay, Wis. Spray marker. 1,628,305; May 10.

Cant, David A. (See Taylor, Roy, assignor.)

Carbo-Hydrogen Company of America. (See Rose, James R., assignor.)

Carlin, Bernard B. (See Bright, Martin C., assignor.)

Carlson, George H., assignor to Redin, Ekstrom & Company, Rockford, Ill. Oscillating belt sander. 1,628,531; April 10.

Carlstedt, Ragnar, Stockholm, Sweden, assignor to Midwest Air Filters, Incorporated. Humidifier. 1,627,686; May 10.

Carpenter, Charles E., New York, N. Y. Speed regulation. 1,627,832; May 10.

Carrick, Robert E., Larchmont, N. Y. Concrete clip. 1,628,228; May 10.

Carter, Hubert, Toronto, Ontario, Canada. Device for icing cakes. 1,627,630; May 10.

Cartier, Limited. (See Downes, Andrew, assignor.)

Casey-Hedges Co., The. (See Stimmel, Frederick C., assignor.)

Casper, Anthony B. (See Shultz, A. B., and Casper.)

Casper, William L., Brooklyn, N. Y., and F. E. Field, Somerville, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic coil. 1,628,398; May 10.

Catlett, Harry, assignor of one-half to A. N. Sacre, Los Angeles, Calif. Roller arm rest. 1,628,030; May 10.

Cautley, John R., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,628,388; May 10.

Cawthron, George, Redwood City, Calif. Combined lock and latch. 1,628,354; May 10.

Challenge Company. (See Lund, John A., assignor.)

Chamberlain, Paul A., assignor to Mohawk Corporation of Illinois, Chicago, Ill. Radio apparatus and current-control device therefor. 1,627,592; May 10.

Chandler, Harry A., Sioux City, Iowa. Convertible passenger vehicle and casket coach. 1,627,833; May 10.

Chapman, William H. (See Ayers, J. G., Chapman, and Berlowitz.)

Chapman, William H. (See Griswold, F. C., and Chapman.)

Charter, James A., Chicago, Ill. Constant-compression internal-combustion engine. 1,627,727; May 10.

Chase Companies Inc., The. (See Wellington, Arthur W., assignor.)

Chase Foundry & Manufacturing Company, The. (See Chase, Sherwood M., assignor.)
Chase, Sherwood M., assignor to The Chase Foundry & Manufacturing Company, Columbus, Ohio. Coupling device. 1,627,885; May 10.
Chase, Theron P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Vehicle brake. 1,627,834; May 10.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Motor controller. 1,627,593; May 10.
Chaussier, Armstead, New Orleans, La. Windmill. 1,628,490; May 10.
Chermak, Emil G., and F. S. Pritzl, Manitowoc, Wis. Sharpener for grinder knives. 1,628,031; May 10.
Cherry, Lewis J., Houston, Tex. Combination tool. 1,628,116; May 10.
Chicago Bridge & Iron Company. (See Seels, Aubrey W., assignor.)
Childs, James Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Rotary drilling machine of well-boring apparatus. 1,628,032; May 10.
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Addressing machine. 1,627,687; May 10.
Chizlett, William G., Oroville, Calif. Electric-lamp socket. 1,627,631; May 10.
Christensen, Harry, assignor to Elite Lamp Co., Chicago, Ill. Lamp. Des. 72,592; May 10.
Christman, Peter J., jr., Green Bay, Wis. Soap-sheet pack. 1,628,229; May 10.
Claflin, Charles R. B., East Hartford, assignor, by mesne assignments, to The Siko-Lite Corporation, Meriden, Conn. Headlight. 1,627,688; May 10.
Clapp, Roger L., Shanghai, China. Nut lock. 1,628,355; May 10.
Clark, Claude W., West Palm Beach, Fla. Vehicle wheel. 1,628,578; May 10.
Clark Loose Leaf Manufacturing Company. (See Kemp, John B., assignor.)
Clark, Rufus W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-display holder. 1,628,306; May 10.
Clark, Wendell H., Chicago, Ill. Electric plug. 1,627,594; May 10.
Clayden, Arthur L., Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for lubricating internal-combustion engines. 1,628,117; May 10.
Clemens, Carl J. (See Segriu, O. E., and Clemens.)
Cleveland Fare Box Company, The. (See McElligott, Michael C., assignor.)
Cloelfelter, Mayo, Detroit, Mich. Motor-operated saw. 1,627,552; May 10.
Clyde Iron Works. (See McGiffert, John R., assignor.)
Coburn, James M., and B. Knapp, assignors to Plane Speaker Corporation, Kansas City, Mo. Utilizing fabric of aircraft as diaphragm for loud speakers. 1,628,230; May 10.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,628,389; May 10.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Elevating-platform truck. 1,628,390; May 10.
Cochrane, Robert L., Chicago, Ill. Rail anchor. 1,628,231; May 10.
Cockburn, Francis B. (See Bird, E. S., and Cockburn.)
Cole, Eugene M., Charlotte, N. C. Attachment for agricultural implements. 1,627,954; May 10.
Cole, Eugene M., Charlotte, N. C. Attachment for fertilizer distributors. 1,627,955; May 10.
Cole, Eugene M., Charlotte, N. C. Lifting mechanism. 1,627,956; May 10.
Coles, Walter H., Troy, Ohio. Lawn-sprinkling device. 1,628,118; May 10.
Collingham, Robert H., Rugby, England, assignor to General Electric Company. Vapor generator. 1,628,391; May 10.
Combs, Robert L., Herington, Kans. Pneumatic bed. 1,627,835; May 10.
Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Emergency-door apparatus for vehicles. 1,627,728; May 10.
Conlon, Thomas A., Silver Spring, Md. Trail connection. 1,627,836; May 10.
Constantinesco, George, Weybridge, England. Advancing and retarding a driven shaft relatively to a driving shaft. 1,627,632; May 10.
Continental Scale Works. (See Weber, Mathias, J., assignor.)
Cooke, George T., New York, N. Y. Safety lock for brake-rod pins. 1,628,119; May 10.
Cooley, Edward C., Elgin, Ill. Valve tool. 1,627,886; May 10.
Cooley, Henry B., assignor to The American Paper Goods Company, Kensington, Conn. Vending apparatus. 1,627,887; May 10.
Cooper, Simon, Brooklyn, N. Y. Packaging machine. 1,628,120; May 10.
Cordley, Christopher M., New York, N. Y. Beverage container. Des. 72,593; May 10.
Cory, Samuel L., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telegraph distortion-measuring system. 1,627,633; May 10.
Cory, Samuel L., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telegraph distortion-measuring system. 1,628,392; May 10.
Cottrell, John, and J. Marker, Ionia, Mich. Valve lifter. 1,627,957; May 10.
Coultas, William L., jr., Seaford, N. Y. Treating hydrocarbon oils. 1,628,530; May 10.
Covel, Nathan E., Newtonville, Mass. Package. 1,628,121; May 10.
Cover, Ralph, Baltimore, Md. Corn-husking machine and method. 1,627,838; May 10.
Cowan, R. Guy. (See Sinz, Walter A., assignor.)
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,594; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,595; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,596; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,597; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,598; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,599; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,600; May 10.
Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 72,601; May 10.
Cowley, James T., Syracuse, N. Y., assignor to The Lamson Company, Boston, Mass. Pressure-control mechanism for pneumatic-dispatch systems. 1,628,600; May 10.
Cox, Millard F., Louisville, Ky. Feed-water heater. 1,627,595; May 10.
Coyle, Claud L., Clarence, Mo. Vanity case. Des. 72,602; May 10.
Coyne, Albert E., Sheffield, assignor to A. Page, Leeds, England. Brush. 1,627,634; May 10.
Crabbs, Bernard E. (See Morgal, John F., assignor.)
Craig, Charles, Boksburg, Transvaal, South Africa. Device for supporting the hand while writing. 1,627,635; May 10.
Cramer, John E., Carrollton, Ga. Aquatic signboard. 1,628,393; May 10.
Cramer, William. (See Monroe, H. L., and Cramer.)
Crane Co. (See Wolff, Louis, assignor.)
Crawford, Thomas, Philadelphia, Pa. Universal pulley. 1,628,491; May 10.
Crews, Lucenius M., Fairburn, S. Dak. Skidding-preventing device. 1,627,768; May 10.
Crompton & Knowles Loom Works. (See Blanchard, Harold L., assignor.)
Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)
Cronshaw, Cecil J. T., and W. J. S. Naunton, assignors to British Dyestuffs Corporation Limited, Manchester, England. Vulcanization of rubber. 1,627,636; May 10.
Crossley, Alfred, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Radiofrequency choke coil system. 1,627,958; May 10.
Crown Cork and Seal Company of Baltimore City, The. (See Goebel, George, assignor.)
Cuddy-Gardner Company. (See Hathaway, Charles E., assignor.)
Culver, James J. C., Camden on Gauley, W. Va. Knife. 1,627,689; May 10.
Cummings, Stanley R. (See Ewing, F. K., and Cummings.)
Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Filling clamping and parting mechanism for shifting shuttle-box looms. 1,628,307; May 10.
Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Filling clamping and parting mechanism for shifting shuttle-box looms. 1,628,308; May 10.
Curis, Julius P., Coffeyville, Kans. Tire-patching machine. 1,628,122; May 10.
Cutler, Elmer D., et al. (See Daugherty, Claude, assignor.)
Cutshaw, Frank T., Indianapolis, Ind., assignor to O. Schellert. Athletic arch support. 1,627,596; May 10.
Dahlquist, Ernest A., Long Beach, Calif. Fishing lure. 1,627,637; May 10.
Daley, Michael T. (See Booty, Philip C. P., assignor.)
Daniel, Alexander, Cleveland, Ohio. Reversing-gear mechanism. 1,628,233; May 10.
Dansk Pressefabrik A/S. (See Skov, Henry A., assignor.)
Daugherty, Claude, Butler, assignor of one-fourth to L. A. Woods and one-fourth to E. D. Cutler, Smithville, Mo. Draft appliance. 1,628,123; May 10.
Davenport, George R., Detroit, Mich., assignor to Studebaker Corporation. Fuel separator and vaporizer for the manifolds of internal-combustion engines. 1,627,597; May 10.
Davies, W. Sanders, et al., trustees. (See Davis, Kenneth, assignor.)
Davies, W. Sanders, et al. (See Peale, Richard, assignor.)
Davis, Francis F., Mount Vernon, Ohio, assignor to F. H. Davis, Monterey, Calif. Drilling apparatus. 1,628,033; May 10.

Davis, Francis H. (See Davis, Francis F., assignor.)
Davis, Joshua W., Sumter, S. C. Circuit closer. 1,628,579; May 10.
Davis, Kenneth, assignor, by mesne assignments, to R. Peale, St. Benedict, Pa., W. S. Davies, New York, N. Y., and W. S. Wallace, Philadelphia, Pa., trustees. Mining-machine carrier. 1,628,309; May 10.
Davis, Robert R., assignor, by mesne assignments, to St. Louis Reaming Tool Co., St. Louis, Mo. Reaming or boring tool. 1,627,887; May 10.
Davis, Victor L. (See Olin, J. M., Davis, and Smith.)
Day, William H., East Haven, and C. R. Thomas, West Haven, Conn., assignors, by mesne assignments, to Rand Kardex Bureau, Inc., Tonawanda, N. Y. Index or file. 1,628,124; May 10.
Daylight Motion Picture Co. (See Macbeth, Arthur L., assignor.)
Dayton Scale Company. (See Bryce, James W., assignor.)
Deere & Company. (See Holstein, John V., assignor.)
Deere & Company. (See Paul, William L., assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
De Haes, Jerome, Chicago, Ill. Film-shifting mechanism. 1,628,580; May 10.
Delchmiller, Alwin. (See Ware, C. A., and Delchmiller.)
Delster, Emil E., Fort Wayne, Ind. Screen. 1,628,455; May 10.
Delco-Light Company. (See Warner, Clarence, assignor.)
De Leeuw, Adolph L., Plainfield, N. J., assignor to The Goss and De Leeuw Machine Company, New Britain, Conn. Machine tool. 1,628,234; May 10.
Delonny, J. C., et al. (See Ransdell, Clarence C., assignor.)
De Meo, Vladimiro, Waterbury, Conn. Line clamp. 1,628,235; May 10.
De Mier, John R., Los Angeles, Calif. Attachment for mail boxes. 1,628,034; May 10.
De Montmorency, Beresford H., Detroit, Mich. Coffee retainer for urns. 1,628,394; May 10.
Denison, Frederick S., Minneapolis, Minn. Centrifugal fluid fuel burner. 1,627,690; May 10.
Dennis, James H., Seattle, Wash. Horn button for steering posts. 1,627,769; May 10.
Denny, Frank E., assignor to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y. Sprouting buds and plants. 1,628,035; May 10.
Denyes, Harry M., and W. A. Kull, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Steering gear. 1,627,839; May 10.
De Roos, Milton J., New York, N. Y. Electrical cooking apparatus. 1,628,310; May 10.
Derry Damask Mills. (See Gunter, William K., assignor.)
Des Jardins, Clarence B. (See Trout, W. M., and Des Jardins.)
Detrick, M. H., Company. (See Hosbein, L. H., and Foltz, assignors.)
Detrick, M. H., Company. (See Stevens, N. D., and Hosbein, assignors.)
Dexter, C. H., & Sons, Incorporated. (See Osborne, Fay H., assignor.)
Dexter, Talbot C., Pearl River, N. Y. Paper-feeding machine. 1,628,125; May 10.
Dickinson, Harry S., Moline, Ill., assignors, by mesne assignments, to Beery Shocker, Incorporated, Wilmington, Del. Grain shocker. 1,627,888; May 10.
Dickinson, William W., jr., Little Rock, Ark. Brick-kiln construction. 1,627,598; May 10.
Dieterich, Ludwig M., New Brunswick, N. J., assignor of sixteen per cent to R. S. Blair, Stamford, Conn., and twenty-four per cent to W. T. Knieszner, New York, N. Y. System of distribution of intelligence. 1,628,126; May 10.
Dietrich, Paul, Apperson, Okla. Combined collar buster and casing spear. 1,628,533; May 10.
Di Ionno, Frank, Millburn, N. J. Penholder or similar article. Des. 72,603; May 10.
Dingee, George W., Utica, N. Y. Expansible and contractible mandrel. 1,627,729; May 10.
Dinkel, Frank J. L., North Bergen, N. J. Multiple bending apparatus. 1,628,581; May 10.
Dinwiddie, Joseph G., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Indophenol and producing the same. 1,628,534; May 10.
Disney, Keppel, Vancouver, British Columbia, Canada. Storage building for motor cars and the like. 1,627,959; May 10.
Dissette, John W., assignor to Ward's Products Co. Inc., Chicago, Ill. Bottle. Des. 72,604; May 10.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Floor lamp. 1,628,395; May 10.
Dobrowolski, Nikolaus, and O. Günther, Esslingen-on-the-Neckar, Germany. Driving gear for locomotives equipped with internal-combustion engines. 1,628,492; May 10.
Doelckner, Max A., and A. P. Fanelli, Louisville, Ky. Tire liner. 1,628,582; May 10.
Doherty, Patrick, Gary, Ind. Vehicle headlight dimming device. 1,628,036; May 10.
Dohmann, Edward A., Weesatche, Tex. Automatic return gate. 1,628,622; May 10.
Dominick, Franklin, New York, N. Y. Electric-circuit-closing plug. 1,628,636; May 10.
Donahoe, John T., Chicago, Ill. Electric signaling system. 1,628,493; May 10.
Donnelly, Edward F., Malden, Mass. Vacuum valve. 1,627,840; May 10.
Dorr Company, The. (See Bachmann, Frank, assignor.)
Dorsey, Farnum F., assignor to North East Appliances Inc., Rochester, N. Y. Power mechanism. 1,628,037; May 10.
Doty, John W., Olney, Ill. Mop-handle fastener. 1,627,960; May 10.
Downes, Andrew, assignor to Cartier Limited, London, England. Fastening for bracelets, necklaces, and other articles of jewelry. 1,628,494; May 10.
Draper Corporation. (See Burdett, Horace H., assignor.)
Draper Corporation. (See Cunniff, Edward A., assignor.)
Draper Corporation. (See Hollins, Denis M., assignor.)
Draper Corporation. (See Miller, Joseph A., assignor.)
Draper, Lawrence P., Mesa, Ariz. Tractor push drive for mowing machines, binders, headers, harvesters, or the like. 1,628,038; May 10.
Dresser, Elbert H., Duluth, Minn. Concrete cribbing. 1,627,599; May 10.
Dressler, Conrad, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Continuous kiln and drier. 1,627,841; May 10.
Drewsen, Viggo, Larchmont, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Making magnesia and calcium pentasulphide. 1,628,311; May 10.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,628,127; May 10.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting oils. 1,628,236; May 10.
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Electrical structure. 1,628,627; May 10.
Duchâteau, Jean L., St. Omer, France. Elastic wheel. 1,628,583; May 10.
Dudley, Samuel W., New Haven, Conn., and C. S. Bushnell, assignors to General Railway Signal Company, Rochester, N. Y. Brake-applying apparatus. 1,628,312; May 10.
Duffy, Edward E., San Antonio, Tex. Antifriction drawbar support. 1,628,856; May 10.
Dunn, Frank J., Elmira, N. Y. Filing cabinet. 1,628,128; May 10.
Du Pont, E. I., de Nemours & Company. (See Bridgwater, E. R., and Powers, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dinwiddie, Joseph G., assignor.)
Du Pont, Ernest. (See du Pont, Francis I. and E.)
Du Pont, Francis I. and E., assignors to U. S. F. Powder Company, Wilmington, Del. Making a smokeless explosive powder. 1,627,638; May 10.
De Pont, Francis I. and E., assignors to U. S. F. Powder Company, Wilmington, Del. Flashless cannon powder. 1,627,639; May 10.
Du Pont, Francis I. and E., assignors, by mesne assignments, to U. S. F. Powder Company, Wilmington, Del. Smokeless explosive powder and making same. 1,627,691; May 10.
Du Pont, Francis I. and E., assignors, by mesne assignments, to U. S. F. Powder Company, Wilmington, Del. Smokeless explosive powder and making same. 1,627,692; May 10.
Du Pont, Francis I. and E., assignors, by mesne assignments, to U. S. F. Powder Company, Wilmington, Del. Smokeless explosive powder and making same. 1,627,693; May 10.
Du Pont, Francis I. and E., assignors to U. S. F. Powder Company, Wilmington, Del. Smokeless explosive powder. 1,627,694; May 10.
Dupont, Georges H., Bordeaux, France. Purification of abietic acid. 1,628,535; May 10.
Durkee, Chauncey H., Bronx, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Apparatus for processing foodstuffs and the like. 1,627,770; May 10.
Durr, Louis, Milwaukee, Wis. Floor sander. 1,628,129; May 10.
Dwork, Joseph H., Newark, N. J. Garment. 1,627,771; May 10.
Dyer, Harry W., New York, N. Y. Figure wheeled toy. 1,628,396; May 10.
Eagle Pencil Company. (See Staubly, John, assignor.)
Ealy, Grover C. (See Knorre, William J., assignor.)
Eastman Kodak Company. (See Frederick, Charles W., assignor.)
Eastman Kodak Company. (See Hewitson, Edward H., assignor.)
Eastman Kodak Company. (See Jones, Loyd A., assignor.)
Eastman Kodak Company. (See Stinchfield, Ray L., assignor.)
Eastwood, Benjamin Company. (See Adsit, George, assignor.)
Ebel, George F., and F. M. Zink, Canton, Ohio, assignors, by mesne assignments, to The Union Metal Manufacturing Company. Base for lamp standard. 1,627,640; May 10.

Edwards, Charles R., Houston, Tex. Device for unscrewing and withdrawing pipe. 1,627,842; May 10.
Edwards, William A., Bartlett, Ill. Supplying a combustible mixture to internal-combustion motors. 1,628,357; May 10.
Eells, Milton M., Chicago, Ill., assignor to Western Coil & Electrical Co., Racine, Wis. Variable inductance unit. 1,628,237; May 10.
Ehnts, Frederic H., Germantown, Pa., assignor, by mesne assignments, to H. W. Butterworth & Sons Company. Washing machine. 1,627,730; May 10.
Eicheuberger, Eugene F., Plymouth, Wis. Shoe-repair stand. 1,628,130; May 10.
Eickmeyer, Earl E. (See Hatmaker, W. T., and Eickmeyer.)
Einfeldt, Ernest E., assignor to G. W. French and J. L. Hecht, Davenport, Iowa, and W. H. Stackhouse, Springfield, Ohio, doing business as French & Hecht, Davenport, Iowa, and Springfield, Ohio. Metal wheel construction. 1,627,772; May 10.
Ekstrom, Eric S., et al. (See Swenson, Carl E., assignor.)
Electric Outlet Company. (See White, Ernest C., assignor.)
Electrical Engineers Equipment Company. (See Lotz, Alfred F. C., assignor.)
Electrograph Advertising Service, Inc. (See Bryant, George F., assignor.)
Electrograph Advertising Service. (See Theilgaard, Holger, assignor.)
Electro-Laboratories, Inc. (See Wallace, Marcel, assignor.)
Elgey, John R. (See Abbott, W. E., and Elgey.)
Elite Lamp Co. (See Christensen, Harry, assignor.)
Elliott, William E., Lynn, Mass. Attaching machine. 1,627,889; May 10.
Ellis, Stuart, Fredericksburg, Va. Irrigated flower box. 1,627,890; May 10.
Elwell-Parker Electric Company. (See Cochran, Clyde E., assignor.)
Engel, George. (See Kornicker, A., and Engel.)
Engl, Josef. (See Vogt, H., Engl, and Massolle.)
Englander Spring Bed Company. (See Bebry, Percival P., assignor.)
Ewens, Samuel C., Springhill, La. Radius-rod clamp. 1,627,695; May 10.
Ewing, Frank K., Worcester, Mass., and S. R. Cummings, Canton, Ohio, assignors to The Hoover Company. Air filter. 1,628,397; May 10.
Fageol, Rollie B., Oakland, Calif. Resilient radiator shield. 1,628,131; May 10.
Fahrenwald, Frank A., Chicago, Ill. Rabble and rabble arm for furnaces. 1,628,495; May 10.
Famous Players-Lasky Corporation. (See Wyckoff, Alvin, assignor.)
Fanella, Carlo, Rome, Italy. Musical appliance. 1,628,039; May 10.
Fanelli, Anthony P. (See Doeickner, M. A., and Fanelli.)
Farley, John W., Cleveland, Ohio. Plate thimble for pipes. 1,627,961; May 10.
Farnstrom, Albin, Detroit, assignor of forty-five one-hundredths to Stanley Fons, Royal Oak, Mich. Pipe coupling. 1,628,132; May 10.
Fasson, Daniel. (See Fasson, Patsy and D.)
Fasson, Patsy, Mount Pleasant, Pa., and D. Fasson, Rochester, N. Y. Automatic safety trolley. 1,628,536; May 10.
Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Treating wet raw materials in the manufacture of cement. 1,627,553; May 10.
Faust, Harry W., Greenville, Ohio. Switch construction. 1,628,496; May 10.
Faust, Levin, et al. (See Swenson, Carl E., assignor.)
Federal Manufacturing Company. (See Olinger, T., and Brendel, assignors.)
Feind, Robert F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dust collector. 1,628,601; May 10.
Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Automatic gear-generating machine. 1,628,584; May 10.
Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
Ferguson, Richard E. (See Hughes, Roland M., assignor.)
Fernald, Mark E., Southboro, assignor to C. C. Blake, Incorporated, Boston, Mass. Automatic shoe machine. 1,628,602; May 10.
Ferngren, Enoch T., Toledo, Ohio. Molten glass-feeding mechanism. 1,628,238; May 10.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,628,603; May 10.
Ferst, Monie A., Dekalb County, assignor to Scripto Manufacturing Company, Atlanta, Ga. Container. 1,628,133; May 10.
Fiebiger, Joseph A., St. Paul, Minn. Circuit closer. 1,627,962; May 10.
Field, Frank E. (See Casper, W. L., and Field.)
Finlay, David B., Fresno, Calif. Airplane checker. 1,628,134; May 10.
Finlayson, Thomas C. (See Smith, E. W., and Finlayson.)
Fire Proof Wall Company. (See Makowski, John F., assignor.)
Firestone Steel Products Company, The. (See Senglar, John J., assignor.)
Fischer, Oskar, Berlin-Friedenau, Germany, assignor to N. V. Machina Maatschappij vor Handel en Industrie, Amsterdam, Holland. Frame for typewriting machines. 1,627,773; May 10.
Fishel, Alvin S., and E. I. Goulder, Cleveland, Ohio. Socket or receptacle for concrete work. 1,627,554; May 10.
Fisher, Harry F., St. Paul, Minn. Dwelling incinerator. 1,628,537; May 10.
Fisk Rubber Company, The. (See Irrgang, William F., assignor.)
Fisk Rubber Company, The. (See Krall, Stanley, assignor.)
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fitzner, Arthur G., Chicago Heights, Ill. Subgrade template. 1,627,731; May 10.
Flanagan, William A., Ripon, assignor of one-half to J. W. Garrison, Ripon, Calif., and one-half to Western Wheeled Scraper Company, Aurora, Ill. Ballast car. 1,627,891; May 10.
Fliehmann, William H., St. Charles, Mo. Cleaning device. 1,628,585; May 10.
Flintkote Company, The. (See Overbury, Frederick C., assignor.)
Flodin, Oscar H., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Making ophthalmic mountings. 1,628,586; May 10.
Florence, L. A. (See August, Ralph M. C. R., assignor.)
Foerstering, Hans, Jamesburg, N. J. Producing air gas from inflammable liquids. 1,628,135; May 10.
Foltz, Raymond D. (See Hosbein, L. H., and Foltz.)
Fons, Stanley. (See Farnstrom, Albin, assignor.)
Fonseca, Edward L., assignor, by mesne assignments, to The Wilcolator Company, Newark, N. J. Thermostatic control for electric ovens and the like. 1,627,732; May 10.
Ford, Hannibal C., Jamaica, N. Y., assignor to Ford Instrument Company, Inc. Gyroscopic compass. 1,628,136; May 10.
Ford Instrument Company. (See Ford, Hannibal C., assignor.)
Fort Howard Paper Company. (See Cannard, William H., assignor.)
Foster, Edward E., Beverly, Mass. Machine for operating upon casting patterns. 1,627,696; May 10.
Foulke, Ted E., Cleveland, Ohio, assignor to General Electric Company. Metal filament. 1,628,456; May 10.
Fox, Maud C., New York, N. Y. Device for illuminating clocks or the like. 1,628,497; May 10.
Franke, Bernard E., Catonsville, Md. Paper spool. 1,628,040; May 10.
Frankel, Gustave, Chicago, Ill. Receptacle for connecting plugs. 1,628,399; May 10.
Franklin Railway Supply Company. (See Peters, Frank R., assignor.)
Franks, Thomas, Walsall, England. Drawbar coupling. 1,628,587; May 10.
Franz, Josef, Bischofswerda, Germany. Cop tube. 1,628,457; May 10.
Frech, Albert, St. Louis, Mo. Vanity case. Des. 72,655; May 10.
Frederick, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Lens. 1,627,892; May 10.
Fredericks, Walter F., Minneapolis, Minn. Window-raising device. 1,627,697; May 10.
Freeman, Deane M., Brookline, Mass. Coated confection. 1,627,641; May 10.
Freeman, Deane M., Brookline, Mass. Implement for making coated confections. 1,627,642; May 10.
Freeman, Ralph F., assignor of one-half to R. D. Smith, Ashland, Kans. Tire carrier. 1,628,538; May 10.
French, G. Watson, et al. (See Einfeldt, Ernest E., assignor.)
French & Hecht. (See Einfeldt, Ernest E.)
French, Thomas, Rumford, Me. Dust-laying spraying device. 1,628,458; May 10.
Frew, George H., jr., et al. (See Smith, Charles F., assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Becker, Heinrich, assignor.)
Friedman, Samuel, Brooklyn, N. Y. Fur stretching and nailing device. 1,628,588; May 10.
Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,628,358; May 10.
Friendly, Herbert M., Portland, Oreg. Automatic telephone system. 1,628,359; May 10.
Friendly, Herbert M., Chicago, Ill. Telephone system. 1,627,843; May 10.
Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,627,844; May 10.
Frink, George M., Camden, N. J. Artificial foot. 1,628,498; May 10.
Fritts, George E., Taft, Calif., assignor, by mesne assignments, to F. A. and D. Keefover. Sucker-rod hanger. 1,627,733; May 10.
Fromy, Emile M. F. (See Brillouin, L. N., and Fromy.)
Frye, Ray F., Cleveland, Ohio. Automatic lawn sprinkler. 1,628,041; May 10.
Fuller Brush Company, The. (See Sargent, Edmund S., assignor.)
Fuller, Henry C., Washington, D. C. Medicinal product. 1,627,963; May 10.

Fulper, William H., Flemington, N. J. Statuette or similar article. Des. 72,605; May 10.
Fulton Company, The. (See Giesler, Jean V., assignor.)
Gabriel, Anton, East Chicago, Ind. Combination hot-water and hot-air furnace. 1,628,459; May 10.
Gail, John F., Evanston, Ill., assignor to Simmons Company, Kenosha, Wis. Manufacture of compound helical wire springs. 1,627,600; May 10.
Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Lost-motion coupling. 1,627,964; May 10.
Gamble, Robert E., assignor to Standard Steel and Bearings Incorporated, Philadelphia, Pa. Ball-bearing-assembling device. 1,627,965; May 10.
Gamewell Company, The. (See Beach, Clarence E., assignor.)
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Packing and making the same. 1,627,698; May 10.
Garrison, John W., et al. (See Flanagan, William A., assignor.)
Gates, Paul G., Long Beach, Calif. Fishing tool. 1,628,042; May 10.
Gause, Frederick T., Wilmington, Del. Tire chain. 1,627,535; May 10.
Gavaza, George V., Quincy, Mass. Siphon holder. 1,627,734; May 10.
Gaven, Mary E., administratrix. (See Gaven, William J., assignor.)
Gaven, William J., deceased, assignor of one-half to M. E. Gaven, Wilkes-Barre, Pa., Mary E. Gaven, administratrix of the said William J. Gaven. Composition article and manufacture. 1,628,400; May 10.
Gebert, Albert E. See Antoine, A. D., and Gebert.)
Geffas, Theodore, Ogden, Utah. Cooking utensil. 1,628,360; May 10.
General American Tank Car Corporation. (See Klemoff, Paul, assignor.)
General Electric Company. (See Atwood, Winfield A., assignor.)
General Electric Company. (See Blanchard, Walter P., assignor.)
General Electric Company. (See Collingham, Robert H., assignor.)
General Electric Company. (See Foulke, Ted E., assignor.)
General Electric Company. (See Hamilton, William S. H., assignor.)
General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Hobart, Henry M., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Kelsey, Charles A., assignor.)
General Electric Company. (See Koning, Willem, assignor.)
General Electric Company. (See Mallett, C. S., and Aldis, assignors.)
General Electric Company. (See Miller, Levi B., assignor.)
General Electric Company. (See Moss, Sanford A., assignor.)
General Electric Company. (See Pollock, Alan A., assignor.)
General Electric Company. (See Unger, Magnus, assignor.)
General Electric Company. (See Valentine, Irving R., assignor.)
General Electric Company. (See Whitaker, Frank P., assignor.)
General Electric Company. (See White, William C., assignor.)
General Electric Company. (See Young, Arthur P., assignor.)
General Motors Corporation. (See Ayers, J. G., Chapman, and Berlowitz, assignors.)
General Motors Corporation. (See Chase, Theron P., assignor.)
General Motors Corporation. (See Denyes, H. M., and Kull, assignors.)
General Motors Corporation. (See Griswold, F. C., and Chapman, assignors.)
General Motors Corporation. (See Hunt, Ormond E., assignor.)
General Motors Corporation. (See Woodruff, Henry S., assignor.)
General Motors Corporation. (See Wyzalek, John F., assignor.)
General Motors Research Corporation. (See Hallett, George E. A., assignor.)
General Motors Research Corporation. (See Short, Charles R., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Dudley, S. W., and Bushnell, assignors.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
Gentzcke, Fritz. (See Kruckenberg, F., and Gentzcke.)
Germond, Henry S., jr., Bayonne, N. J., and H. Green, Yonkers, N. Y., assignors to said Germond. Elevating apparatus. 1,628,239; May 10.
Gibbons, Willis A. (See Bradley, C. E., and Gibbons.)
Gibson, George H., Montclair, N. J. Furnace regulation. 1,627,893; May 10.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Regulating device. 1,628,137; May 10.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Steam engine. 1,628,138; May 10.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Thermostatically-regulated incubator. 1,628,139; May 10.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Damper regulator. 1,628,140; May 10.
Gilbert, Henry J., Saginaw, Mich. Folding table. 1,627,556; May 10.
Gilbert, Henry J., Saginaw, Mich. Folding table. 1,627,557; May 10.
Gillette, George T., Los Angeles, Calif. Coin-wrapping machine. 1,628,240; May 10.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,628,313; May 10.
Goddard, Walter T., Hamilton, Ontario, Canada, assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,628,241; May 10.
Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Headlight construction. 1,628,460; May 10.
Goebel, George, assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Apparatus for compacting granular material. 1,627,601; May 10.
Goff, Henry J., assignor to Stockton Box Company, Stockton, Calif. Method of and apparatus for making box lids. 1,627,894; May 10.
Golden, Charles E. (See Anderson, Edward V., assignor.)
Goldsmith, Byron B., New York, N. Y. Mechanical pencil. 1,627,602; May 10.
Gonyk, Ignatz, Ljubljana, Yugoslavia. Scythe. 1,628,589; May 10.
Goodlett, Nicholas M., assignor to Arkell Safety Bag Company, New York, N. Y. Apparatus for operating on paper and other fabrics. 1,627,966; May 10.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodrich, B. F., Company, The. (See Manderbach, Charles E., assignor.)
Goodrich, B. F., Company, The. (See Shook, Florain J., assignor.)
Goodrich, B. F., Company, The. (See Tew, James D., assignor.)
Goodyear Tire & Rubber Company, The. (See Burdette, Richard S., assignor.)
Goodyear Tire & Rubber Company, The. (See Clark, Rufus W., assignor.)
Goodyear Tire & Rubber Company, The. (See Hamilton, Charles E., assignor.)
Goodyear Tire & Rubber Company, The. (See O'Brien, William G., assignor.)
Goss and De Leeuw Machine Company, The. (See De Leeuw, Adolph L., assignor.)
Goulder, Eli I. (See Fishel, A. S., and Goulder.)
Goulding, Benjamin J. J., Altrincham, assignor to Linotype and Machinery Limited, London, England. Washing lithographic printing surfaces. 1,627,774; May 10.
Grasselli Dyestuff Corporation. (See Holl, Alfred, assignor.)
Grasselli Dyestuff Corporation. (See Schmidt, M. P., and Neugebauer, assignors.)
Gray, Hiram L., Searsdale, assignor to Oakite Products, Inc., New York, N. Y. Cleaning device. 1,628,141; May 10.
Green, Andrew, assignor to American Gas Machine Company, Inc., Albert Lea, Minn. Adjusting valve and making the same. Re16,617; May 10.
Green, Harold. (See Germond, H. S., and Green.)
Greene, David W., assignor to Max E. Bernhardt, New York, N. Y. Cigarette case. 1,628,590; May 10.
Greer, William E., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,606; May 10.
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Greer, William E., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,616; May 10.
Greer, William E., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,617; May 10.

Greer, William E., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,619; May 10.
Greer, William E., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,619; May 10.
Grey, William G., Baltimore, Md. Duplex umbrella. 1,628,539; May 10.
Grikscheit, William, Detroit, Mich. Carburetor. 1,627,845; May 10.
Grissinger, Elwood, Buffalo, N. Y. Sound-vibration-translating device. 1,628,242; May 10.
Griswold, Fred C., Newark, and W. H. Chapman, Montclair, N. J., assignors to General Motors Corporation, Detroit, Mich. Gauging machine. 1,627,699; May 10.
Grobe, Julius J., Chicago, Ill. X-ray operating table. 1,628,043; May 10.
Grossman, Herman F., Boonville, Ind. Corn shredder and husker. 1,628,461; May 10.
Grotta, Bennett. (See Wilcoxon, F., and Grotta.)
Grunberg, George, New York, N. Y. Perfume bottle. Des. 72,620; May 10.
Grunberg, George, New York, N. Y. Perfume bottle. Des. 72,621; May 10.
Grunberg, George, New York, N. Y. Perfume bottle. Des. 72,622; May 10.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Sheave. 1,627,358; May 10.
Guild, Harold S., Jamaica Plain, Mass. Elastic webbing. 1,628,361; May 10.
Gunter, William K., Gaffney, S. C., assignor to Derry Damask Mills. Device for imparting crinkle to warp threads. 1,628,142; May 10.
Günther, Otto. (See Dobrowolski, N., and Günther.)
Gypsum Engineering & Manufacturing Co. (See Payne, Caleb, assignor.)
Haase, Leo G., Pasadena, Calif. Combination concrete and wooden bench. 1,628,362; May 10.
Haber, Henry J., Cleveland, Ohio. Apparatus for clearing oil wells of paraffin deposits. 1,628,401; May 10.
Haberfeld, Eugen, Berlin-Halensee, Germany, assignor to Latham Litho & Printing Co., New York, N. Y. Device for producing an optical illusion. 1,627,603; May 10.
Haberl, Paul A., Denver, Colo. Line guide for fishing rods. 1,627,643; May 10.
Hadaway, William S., jr., New Rochelle, N. Y. Method and apparatus for generating and controlling heat. 1,627,735; May 10.
Hadaway, William S., jr., New Rochelle, assignor to The Texas Company, New York, N. Y. Treating hydrocarbons. 1,628,143; May 10.
Hagen, Julius S., Des Moines, Iowa. Kitchen utensil. 1,628,243; May 10.
Hale, William E., Fort Washington, assignor to B. H. Benumont Co., Philadelphia, Pa. Skip-hoist system. 1,628,314; May 10.
Hall, C. M., Lamp Company. (See Godley, Charles E., assignor.)
Hall, Frederick W., London, England. Coin-collecting apparatus for telephone services. 1,627,700; May 10.
Hall, Merton C., New York, N. Y., assignor to American Telephone and Telegraph Company. System for transmitting and reproducing pictures. 1,627,701; May 10.
Hallett, George E. A., assignor to General Motors Research Corporation, Dayton, Ohio. Driving connection between a rotating shaft and reciprocating piston. 1,627,775; May 10.
Halloran, John A. (See Morton, A. K., and Halloran.)
Hallstrom, Warren A. (See Busey, H. S., and Hallstrom.)
Halpin, John J., et al. (See Smith, Charles F., assignor.)
Halvorsen, Axel I. S., assignor to McCormick Bros. Company, Albany, Ind. Support for flexible doors of kitchen cabinets. 1,627,736; May 10.
Hamblin, Ed., jr., Woodward, Okla. Pocket-iron leather guard. 1,627,967; May 10.
Hamilton, Charles E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cutting tool. 1,628,315; May 10.
Hamilton, William S. H., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,628,402; May 10.
Hamm, William S., Hubbard Woods, Ill., assignor to The Adlake Company. Sash latch. 1,627,846; May 10.
Hammer, F. W., Corporation. (See Hammer, Fritz W., assignor.)
Hammer, Fritz W., Litchterfelde, near Berlin, Germany, assignor to F. W. Hammer Corporation. Torpedo-launching means for aeroplanes. 1,627,968; May 10.
Hammer, Darwin, La Grange, assignor to Kinney-Rome Company, Chicago, Ill. Bedspring. 1,628,462; May 10.
Handlan, Alexander H., St. Louis, Mo. Signal lantern and lens therefor. 1,627,895; May 10.
Hanna, Ellsworth J., Ottumwa, Iowa. Reduction block. 1,628,403; May 10.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Broaching attachment. 1,627,737; May 10.
Hanson, Lloyd L. (See Perry, N. G., and Hanson.)
Hanson, Roy E., Los Angeles, Calif. No-flow alarm-circuit closer. 1,627,896; May 10.
Harcourt, Bernard W. (See Hewitt, J. H., and Harcourt.)
Harold, Minerva E., Flushing, N. Y. Adjustable head protector. 1,627,847; May 10.
Harris, Hu M., and O. H. Attridge, assignors to Lucey Manufacturing Corporation, Chattanooga, Tenn. Rotary drilling machine. 1,628,363; May 10.
Harris, Percival, New York, N. Y. Wig for dolls. 1,628,591; May 10.
Harrison, Robert E., Philadelphia, Pa. Buff section for buffing wheels. 1,627,969; May 10.
Harrison, W. L., et al. (See Ransdell, Clarence C., assignor.)
Hartford-Empire Company. (See Miller, William J., assignor.)
Hartmann, Emilius C. F., et al. (See Taylor, Charles W., assignor.)
Harvey, Douglas G., Dixon, Ill. Woven wire fabric. 1,627,897; May 10.
Hassler, Robert H. (See Hittle, James A., assignor.)
Hatch, William M., et al. (See Nelson, Lewis D., assignor.)
Hathaway, Charles E., assignor to Cuddy-Gardner Company, Providence, R. I. Clamp. 1,628,592; May 10.
Hatmaker, William T., and E. E. Eickmeyer, assignors to The National Recording Pump Company, Dayton, Ohio. Liquid-dispensing apparatus. 1,627,898; May 10.
Haul, Robert J., St. Louis, Mo. Garment hanger. 1,627,559; May 10.
Haumerson, Clifford C., Fort Atkinson, Wis. Chain coupling. 1,627,776; May 10.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Riveting machine. 1,628,044; May 10.
Hayes, Hammond V., trustee. (See Wolf, Ezekiel, assignor.)
Hayes, Margaret, Brooklyn, N. Y. Window-cleaning device. 1,628,593; May 10.
Hayes Meserole Mfg. Co., The. (See Sykes, Cecil M., assignor.)
Haywood, George B. (See Provost, F. W., and Haywood.)
Heath, Frank, National City, Calif. Fish-segregating, directing, timing, and turning apparatus. 1,627,899; May 10.
Hecht, Joseph L., et al. (See Einfeldt, Ernest E., assignor.)
Heenan and Froude Limited. (See Walker, George H., assignor.)
Heise, William H. (See Schurch, Jacob H., assignor.)
Hejma, Václav, Brno, Czechoslovakia. Cutting device for reaping, mowing, and like machines. 1,627,644; May 10.
Held, Paul, St. Cloud, Minn. Slide. 1,627,970; May 10.
Heller, William M. (See Stein, C., and Heller.)
Hellweg, Henry, assignor to Helzen Corporation, Milwaukee, Wis. Car heater. 1,627,560; May 10.
Heltzel, John N., Warren, Ohio. Concrete form. 1,628,316; May 10.
Helzen Corporation. (See Hellweg, Henry, assignor.)
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Platform lever mechanism for scales. 1,627,702; May 10.
Hemphill, Grover H., Cincinnati, Ohio. Combination headlight-dimming and spotlight-controlling means. 1,627,645; May 10.
Hendry, William F., Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Inc. Electronic-discharge device. 1,628,045; May 10.
Herman, John, Los Angeles, A. W. Allen, Berkeley, and H. R. Newitt, Los Angeles, Calif. Ore-flotation process. 1,628,046; May 10.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Rip-strip can. 1,627,646; May 10.
Herrmann, William, Chicago, Ill. Screw driver. 1,628,144; May 10.
Herron, Ollie L. (See Alexander, Verne P., assignor.)
Hertner, John H., and E. H. Remde, assignors to The Baker-Raulang Company, Cleveland, Ohio. Vehicle. 1,628,145; May 10.
Hertz, Gustav L., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Manufacture of very thin wires. 1,627,971; May 10.
Herz Bed Company. (See Lavezzi, Samuel J., assignor.)
Heuermann, Arnold H., Teutopolis, Ill. Liquid-dispensing apparatus. 1,628,404; May 10.
Hewitson, Edward H., assignor to Eastman Kodak Company, Rochester, N. Y. Coating aluminum surfaces. 1,627,900; May 10.
Hewitt, John H., Birmingham, and B. W. Harcourt, Sutton Coldfield, England. Chain-manufacturing machinery. 1,627,972; May 10.
Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Reproducing relative angular motion. 1,628,463; May 10.
Heywood, Bernard G., Scribner, Nebr. Hay-sweep head remover. 1,627,705; May 10.
Hicks, Lucy L. (See Robinson, Robert R., assignor.)
Hiett, Evan W., Houton, Mo. Goal and goal indicator. 1,628,364; May 10.
Hilfman, Harry. (See Villaret, Gustave E., assignor.)
Hill, Herbert, Durban, Natal, South Africa. Spring wheel for automobiles and other vehicles. 1,628,594; May 10.
Hill, Reginald, Kelowna, British Columbia, Canada. Furrowing machine. 1,627,973; May 10.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,628,405; May 10.

Hills, Harry R., Emerald, Idaho. Bark peeler. 1,627,901; May 10.
Himmerich, Max, New York, N. Y. Stopcock. 1,627,974; May 10.
Hittle, James A., assignor to R. H. Hassler, Indianapolis, Ind. Spring-winding machine. 1,627,604; May 10.
Hoague-Sprague Corporation. (See Smith, Harry B., assignor.)
Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Induction machine. 1,628,464; May 10.
Hoevel, Herman F., New York, N. Y. Carriage arrangement for sand-blast apparatus. 1,628,317; May 10.
Holl, Alfred, Offenbach-on-the-Main, Germany, assignor to Grasselli Dystuff Corporation, New York, N. Y. Vat dyestuffs of the anthraquinone series. 1,627,738; May 10.
Holley, Earl. (See Anderson, Walter S., assignor.)
Hollins, Denis M., Blackburn, England, assignor to Draper Corporation, Hopedale, Mass. Automatic weft-replenishing loom. 1,628,047; May 10.
Hollander, Richard, White Plains, N. Y. Necktie fastening. 1,628,604; May 10.
Holstein, John V., assignor to Deere & Company, Moline, Ill. Gang plow. 1,627,902; May 10.
Homan, Walter A., assignor to The Bronco Buster Pipe Company, Denver, Colo. Pipe. 1,627,605; May 10.
Hoops, Tarvin A., Cody, Wyo. Display rack for face powders. 1,628,146; May 10.
Hoos, Willem, Wassenaar, assignor to Naamlooze Vennootschap Vereenigde Touwfabrieken, Rotterdam, Netherlands. Spoolless twine ball, cross-wound bobbin, or the like. 1,628,244; May 10.
Hoover Company, The. (See Ewing, F. K., and Cummings, assignors.)
Hopewell Brothers. (See Wolfard, Merl R., assignor.)
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Service switch and appurtenant protective fitting. 1,628,406; May 10.
Hosbein, Louis H. (See Stevens, N. D., and Hosbein.)
Hosbein, Louis H., Chicago, Ill., and R. D. Folts, East Orange, N. J., assignors to M. H. Detrick Company, Chicago, Ill. Furnace-arch construction. 1,628,318; May 10.
Hosch, Greene C. (See Wheeler, J. L., Reed, and Hosch.)
Hosford, William F., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating strands. 1,627,739; May 10.
Hosford, William F., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coated strands. 1,627,740; May 10.
Houck, George C., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pad for ironing and pressing machines. 1,628,147; May 10.
Houde Engineering Corporation. (See Schultz, A. B., and Casper, assignors.)
Hougland, Albert C., St. Paul, and L. G. Lindsay, Minneapolis, Minn. Automatic control mechanism for water softeners. 1,627,903; May 10.
House, Charles M., Bloomington, Ill. Draft sill. 1,628,048; May 10.
Houze, Leon J., Point Marion, Pa. Glass-gathering ring. 1,628,465; May 10.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,628,319; May 10.
Hubbard, Edward L., Oakland, Calif. Golf club. 1,627,848; May 10.
Hubble, Grover C., Bonners Ferry, Idaho. Arc-welding machine. 1,628,148; May 10.
Huber, Charles J., Baltimore, Md. Furnace-arch and coking-shelf structure. 1,627,741; May 10.
Huenert, Hans. (See Kluehnel, Franz, assignor.)
Hughes, Lafayette M. (See Mitchell, Thomas A., assignor.)
Hughes, Roland M., assignor of one-half to R. E. Ferguson, Clinton, S. C. Let-off mechanism for looms. 1,628,540; May 10.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron device and method of operating. 1,628,466; May 10.
Hultenius, Gustav A., Newport, R. I. Dispensing device. 1,627,647; May 10.
Humpton, M. R., et al. (See Nix, Neely, assignor.)
Hunt, Clarence T., New Haven, assignor to W. C. Beers, Danbury, Conn. Mechanical miniature theatrical. 1,628,628; May 10.
Hunt, Ormond E., assignor to General Motors Corporation, Detroit, Mich. Mounting for control levers. 1,627,777; May 10.
Hunter, Percy E., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa. Method of and apparatus for welding. 1,628,245; May 10.
Hurff, Lucien W., Galesburg, Ill. Baling machine. 1,627,904; May 10.
Husky Wrench Co. (See Mandl, Sigmund, assignor.)
Hutchings, Joseph L., Olean, N. Y. Drain valve. 1,627,606; May 10.
Hutchinson, Howard M., Brock, Nebr. Wrench. 1,627,778; May 10.
Hybinette, Noak V., Ottawa, Ontario, Canada. Manufacture of malleable nickel. 1,628,149; May 10.
Iddings, Frank A., Warren, Ohio. Nonevaporating oil tank. 1,628,246; May 10.
Ilich, Amson G., New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md. Sash lift. 1,628,605; May 10.
Illinois Watch Case Company. (See Bates, George T., May 10.
Imbriani, Joseph, Brooklyn, N. Y. Knitting machine. 1,628,407; May 10.
Ingersoll Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
Ingram, Walter M., assignor to The Reliance Pump and Machine Company, Baltimore, Md. Tire pump. 1,628,365; May 10.
International Banding Machine Company. (See Malocsay, Francis X., assignor.)
International Derrick & Equipment Company, The. (See Bloss, Richard R., assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
Interstate Folding Box Company. (See Bergstein, Samuel, assignor.)
Irrgang, William F., Chicopee, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Folder for pressure bags. 1,627,779; May 10.
Izawa, Riichiro, Kyoto, Japan. Bristle-pointing device. 1,627,704; May 10.
Jackson, Charles N., New York, N. Y. Filing and posting system. 1,628,320; May 10.
Jennings, R. J. (See Tyson, William M., assignor.)
Jennings, Robert G., Elmira, N. Y. Winding and dyeing apparatus. 1,627,849; May 10.
Jennings, Robert G., Elmira, N. Y. Jet-dyeing apparatus and process. 1,627,850; May 10.
Jensen, Louis, assignor to United Autographic Register Company, Chicago, Ill. Web-feeding mechanism. 1,627,905; May 10.
Jerdone, Francis, jr., assignor to The Willys-Overland Company, Toledo, Ohio. Fuel-reserve supply system for motor vehicles. 1,628,150; May 10.
Joesch, Bernhard, St. Louis, Mo. Dental appliance. 1,628,499; May 10.
Johnson, Andrew A., assignor to D. E. Ward, Chicago, Ill. Coin controlled clock. 1,628,408; May 10.
Johnson, Edward H., and A. H. Winterton, East Rand, Transvaal, South Africa. Concentrator. 1,627,648; May 10.
Johnson, Kirk A., Omaha, assignor of one-half to R. F. Beach, Douglas County, Nebr. Desk set and pencil sharpener. 1,627,705; May 10.
Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Water softener. 1,628,541; May 10.
Johnston, Clarence L., assignor to Marchant Calculating Machine Company, Oakland, Calif. Calculating machine. 1,628,154; May 10.
Jolley, James, Manchester, England. Driving and reversing gear. 1,627,607; May 10.
Jonas, Gottfried R., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Joint between metal and glass and making the same. 1,627,780; May 10.
Jones, Charlie, White Plains, N. Y. Cotton cultivator. 1,628,542; May 10.
Jones, Floyd D., Cleveland, Ohio. Magazine and book support. 1,628,247; May 10.
Jones, James J., New York, N. Y. Broiler. 1,627,742; May 10.
Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Portable projection screen. 1,627,906; May 10.
Jonnes, Lloyd, Circleville, Ohio. Support for garment hangers or the like. 1,628,623; May 10.
Jonsson, Jonas, Vansbro, Sweden. Transport wagon for railways. 1,628,543; May 10.
Jorgensen, Hans G., Erie, Pa. Ash receptacle. 1,627,907; May 10.
Joslin, Pliny N., De Kalb, Ill. Roller. 1,627,561; May 10.
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Side frame. 1,628,544; May 10.
Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., and Krieger, assignors.)
Kanter, Harry B., et al. (See Stoll, H. C., and Schroder, assignors.)
Karabin, Michael, J. Skoczlek, and K. F. Mandl, New Britain, Conn. Flower holder. 1,627,649; May 10.
Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Reinforced drawn baking pan. 1,627,650; May 10.
Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
Kauffeld, Elias, Pittsburgh, Pa. Automatic cut-off for gas burners. 1,628,049; May 10.
Kautzsch, Kurt, Philadelphia, Pa. Rubber heel. 1,627,651; May 10.
Kawneer Company, The. (See Plym, Francis J., assignor.)
Keefover, Daisy, et al. (See Fritts, George E., assignor.)
Keefover, F. A., et al. (See Fritts, George E., assignor.)
Keena, George F., Detroit, Mich. Valve cap. 1,627,908; May 10.

Keeney, Charles H., Avon, Conn. Exhaust fan. 1,627,608; May 10.
Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of ores. 1,628,151; May 10.
Kelley, William V. D., Los Angeles, Calif., assignor, by mesne assignments, to Prizma, Incorporated. Photographic image and making same. 1,628,248; May 10.
Kelsey, Charles A., Schenectady, N. Y., assignor to General Electric Company. Control systems for electric motors. 1,628,409; May 10.
Kemp, John B., Ridgewood, N. J., assignor to Clark Loose Leaf Manufacturing Company. Pad holder. Re16,618; May 10.
Kempton, William E., Marshall, and J. Rucker, Morgan, Minn. Automobile visor. 1,627,975; May 10.
Kendall, Edward L., Jersey City, assignor to W. G. Kendall, Newark, N. J. Closure for powder-dispensing containers. 1,627,781; May 10.
Kendall, William G. (See Kendall, Edward L., assignor.)
Kern, Mason H., Toledo, Ohio. Automobile light deflector. 1,628,152; May 10.
Kern, Mason H., Toledo, Ohio. Automobile headlight. 1,628,153; May 10.
Kessler, Harry H., Bethlehem, Pa. Clutch mechanism. 1,628,629; May 10.
Kime, Charles G., assignor to The Burch Plow Works Co., Crestline, Ohio. Cottonseed cleaner. 1,627,782; May 10.
King, James O., Cleveland, Ohio. Abdominal truss. 1,628,155; May 10.
Kingsley, Francis, Pelham Manor, N. Y. Change-making device. 1,627,562; May 10.
Kinkead, Fowler M., Boston, Mass. Headlight. 1,628,545; May 10.
Kinney-Rome Company. (See Hanauer, Darwin, assignor.)
Kirby, Warren J., Miami, Ariz. Rock-drill bit. 1,627,909; May 10.
Kirfman, John S., Des Moines, Iowa. Structure for trellises and the like. 1,628,249; May 10.
Klein, Herbert F., Deerfield, Wis. Linoleum-display rack. 1,627,783; May 10.
Klemoff, Paul, assignor to General American Tank Car Corporation, Chicago, Ill. Hopper car. 1,628,156; May 10.
Knapp, Bernard. (See Coburn, J. M., and Knapp.)
Knapp, Rudolph H., Saginaw, Mich. Auxiliary-fuel device for internal-combustion engines. 1,627,563; May 10.
Knechtel, Alvin V., Los Angeles, Calif., assignor to Pathe Exchange, Inc. Producing composite moving-picture films. 1,627,976; May 10.
Kniesznor, William T., et al. See Dieterich, Ludwig M., assignor.)
Knorre, William J., assignor of one-half to G. C. Ealy, Spokane, Wash. Motion-picture apparatus. 1,628,250; May 10.
Koch, August W., Hanover-Kleefeld, Germany. Fertilizer-distributing machine. 1,628,546; May 10.
Koch, Paul W., & Company. (See Schreiner, John, assignor.)
Koehring Company. (See Webb, George E., assignor.)
Koenigsberg, Kurt, Seattle, Wash. Hollow-arm signal. 1,628,157; May 10.
Kohler Company. (See Watson, Thomas S., assignor.)
Koning, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Exhausting machine. 1,628,410; May 10.
Koontz, Charles E., Baltimore, Md. Fire-alarm apparatus. 1,628,547; May 10.
Kornicker, Arnold and G. Engel, New York, N. Y. Display stand. 1,627,652; May 10.
Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die-casting machine. 1,627,784; May 10.
Krafft, Max, Hruschau, Czechoslovakia. Purification of burner gases and for obtaining chemically-pure sulphuric acid. 1,627,977; May 10.
Krall, Stanley, Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing tires. 1,627,785; May 10.
Kranz, Frederick W., Geneva, Ill. System of secret wireless telephony. 1,628,411; May 10.
Kraus, Charles A., and C. C. Callis, Worcester, Mass., assignors to Standard Development Company. Alloy. 1,628,050; May 10.
Krengel, Charles H., Twin Falls, Idaho. Agricultural implement. 1,628,158; May 10.
Krieger, Wilhelm. (See Schmidt, M. P., and Krieger.)
Kroll, Philip J., Joplin, Mo. Container. 1,627,851; May 10.
Kroll, Philip J., Joplin, Mo. Container. 1,627,852; May 10.
Kronlund, Perry E., assignor of forty-nine one-hundredths to A. Ohlson, Tacoma, Wash. Fluffing machine. 1,627,706; May 10.
Kruckenberg, Franz, and F. Gentzcke, Heidelberg, Germany, said Gentzcke, assignor to said Kruckenberg. Car for high-speed suspension railways. 1,628,505; May 10.
Kuehnel, Franz, assignor of one-half to H. Huenert, Detroit, Mich. Speed control. 1,628,606; May 10.
Kuhn, Frederick X., Waltham, Mass. Method of and apparatus for charging containers with ice cream or other materials. 1,627,853; May 10.
Kuhn, Frederick X., Waltham, Mass. Ice-cream package and method of and apparatus for making the same. 1,627,854; May 10.
Kull, Walter A. (See Denyes, H. M., and Kull.)
Kummeth, Frank J., Heron Lake, Minn. Poultry perch. 1,628,366; May 10.
Kupke, William, Chicago, Ill. Rail lock. 1,627,743; May 10.
Kurtz, Charles C., Los Angeles, Calif. Tag-making machine. 1,627,978; May 10.
Kysor, Walter A., Allegan, Mich. Combined muffler and heater. 1,627,855; May 10.
Lacey, John S., Columbus, Ohio. Temporary binder. 1,628,159; May 10.
Ladewich, Edward G., Mansfield, Ohio. Monument. Des. 72,623; May 10.
Ladewich, Edward G., Mansfield, Ohio. Monument. Des. 72,624; May 10.
Laird, Wilbur G., New York, N. Y. Storage apparatus. 1,628,635; May 10.
Lake, Allan F., Oakland, assignor to Lake Mfg. Co., San Francisco, Calif. Bell. 1,628,367; May 10.
Lake Mfg. Co. (See Lake, Allan F., assignor.)
Lamb, Morris C., Bermondsey, London, England. Preparation and dyeing of leather. 1,628,160; May 10.
Lamson Company, The. (See Cowley, James T., assignor.)
Lamson Company, The. (See MacLaren, James G., assignor.)
Lancaster, George W., Richmond, Va. Sheet-metal window and balancing sheet-metal sashes. 1,627,653; May 10.
Lancaster, George W., Richmond, Va. Connecter for sash and sash cord. 1,627,786; May 10.
Land, Charles H., Detroit, Mich. Tractor trailer. 1,627,910; May 10.
Landon, Vernon D., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio cabinet. Des. 72,625; May 10.
Larsen, Niel P., assignor to The American Coach & Body Company, Cleveland, Ohio. Vehicle. 1,627,911; May 10.
Laskey, William B., Marblehead, Mass. Making candy. 1,628,251; May 10.
La Société Anonyme des Chuax et Ciments de Lafarge et du Teil. (See Maguet, Martial, assignor.)
Latham Litho & Printing Co. (See Haberfeld, Eugen, assignor.)
Latour Corporation. (See Latour, Marius, assignor.)
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Radio signaling system. 1,627,707; May 10.
Lavezzi, Samuel J., assignor to Herz Bed Company, Chicago, Ill. Day bed and the like. 1,627,609; May 10.
Lazaga, Ignacio, Habana, Cuba. Feeding mechanism for cigarette-packaging machines. 1,728,500; May 10.
Lear, Earl B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,627,744; May 10.
Lease, Thomas J., Wayne Township, Marion County, Ind. Water ski. 1,628,368; May 10.
Le Boeuf, Arthur W., Brooklyn, N. Y., assignor, by mesne assignments, to Northboro Brush Company, Northboro, Mass. Brush machine. 1,627,787; May 10
Le Boeuf, Oscar J., Gary, Ind. Arch supporter. 1,628,161; May 10
Lederer, Irving R., Providence, R. I. Removable crossbar for buckles. 1,628,501; May 10.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,628,633; May 10.
Lehky, Ricardo, Buenos Aires, Argentina. Centrifugal machine. 1,628,321; May 10
Lehnert, John A., Howard, S. Dak. Rotary engine. 1,628,162; May 10.
Leitl, Alvin. (See Bourgord, E., and Leitl.)
Lesavoy, Isadore L., New York, N. Y. Chess. 1,628,412; May 10.
Letzau, Fred A., Lansing, Mich. Door holder. 1,628,502; May 10.
Leveque, Joseph, Nashua, N. H. Shock absorber 1,628,503; May 10.
Lewis, Raymond O., Ainsworth, Nebr. Vehicle attached and operated tire pump. 1,627,654; May 10.
Libbey Glass Manufacturing Company, The. (See Ratner, Richard L., assignor.)
Lillejord, Hans, Trondhjem, assignor to A/S Norsk Kjelerensningsmiddel Ideal, Kirkegaten, Oslo, Norway. Purifying composition for counteracting the formation of scale in boilers. 1,628,163; May 10.
Limont, Alexander W., Bridgeport, Conn. Making valve stems. Re16,619; May 10.
Limont, Alexander W., Bridgeport, Conn. Making valve stems. Re16,620; May 10.
Lindquist, Ernest W., Helsingfors, Finland. Rotary screen for screening pulp and paper stock. 1,627,655; May 10.
Lindsay, Lynn G. (See Houghland, A. C., and Lindsay.)
Linotype and Machinery Limited. (See Bower, W. M., Burdon, and Stern, assignors.)
Linotype and Machinery Limited. (See Goulding, Benjamin J. J., assignor.)
Lippert, Walter E. Ilion, N. Y., assignor to Remington Arms Company, Inc. Automatic ribbon-reversing mechanism for cash registers. 1,628,164; May 10.
Liverance, Frank E., jr., Grand Rapids, Mich. Grease gun. 1,628,624; May 10.

Locke Insulator Corporation. (See Goddard, Walter T., assignor.)
Lockwood, Edward A., Zanesfield, Ohio. Railroad tie. 1,627,788; May 10.
Locomotive Firebox Company. (See Nicholson, John L., assignor.)
Lodge & Shipley Machine Tool Company, The. (See Bird, E. S., and Cockburn, assignors.)
Lomason, Harry A., Detroit, Mich. Bolt. 1,627,912; May 10.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,628,548; May 10.
Loper, Jay H., Lincoln, Nebr. Electric heater for crank cases. 1,627,564; May 10.
Lord, Hugh C., Erie, Pa. Resilient wheel. 1,627,789; May 10.
Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch and fuse. 1,628,413; May 10.
Loughridge, Matthew H., Bogota, N. J. Railway signal and train-control systems. 1,627,565; May 10.
Loughridge, Matthew H., Bogota, N. J. Railway-traffic-controlling system. 1,627,566; May 10.
Loughridge, Matthew H., Bogota, N. J. Railway-traffic-controlling system and apparatus. 1,627,567; May 10.
Louis, Edward S., London, England. Cake stand and like portable stand. 1,628,504; May 10.
Love, Ben F. (See Smith, John B., assignor.)
Lowden, Matthew C., Brooklyn, N. Y. Feed-bag holder. 1,628,051; May 10.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,627,657; May 10.
Luce, Grafton E., Chicago, Ill. Hacking machine. 1,627,656; May 10.
Lucey Manufacturing Corporation. (See Harris, H. M., and Attridge, assignors.)
Ludwig, Nicholas U., assignor of one-third to G. W. Weyand, Buffalo, N. Y. Combined brick kiln and drier. 1,627,979; May 10.
Luellen, Lawrence W., Mountain Lakes, N. J. System of mobile armament. 1,628,165; May 10.
Lummus, Walter E., Lynn, Mass. Refining petroleum. 1,628,252; May 10.
Lund, John A., assignor to Challenge Company, Batavia, Ill. Pump jack. 1,627,708; May 10.
Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Underfeed stoker furnace. 1,628,166; May 10.
Lundquist, Ernest R., Lincoln, Nebr. Extension step. 1,628,505; May 10.
Lundquist, Hans, assignor to United States Specialty Corporation, Chicago, Ill. Lace-threading machine. 1,627,610; May 10.
Lundquist, Hans, assignor to United States Specialty Corporation, Chicago, Ill. Lace-threading machine. 1,627,611; May 10.
Luse, William J., New York, N. Y. Alarm system. 1,627,612; May 10.
Lyddane, Mortimer C., Yonkers, N. Y. Anchoring device. 1,628,253; May 10.
Lykken, Henry G. (See Wilson, W. E., and Lykken.)
Lyman, Charles R., Center Point, Iowa. Apparatus for controlling the air supply of carburetors. 1,628,506; May 10.
Macbeth, Arthur L., Baltimore, Md., assignor to Daylight Motion Picture Co., Washington, D. C. Projection screen. 1,628,414; May 10.
MacDowell, Francis M., Fanwood, N. J., assignor to Power Specialty Company, New York, N. Y. Superheater boiler. 1,627,918; May 10.
MacGregor, Peter G., Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,628,255; May 10.
Machava, Frank, South Greensburg, Pa. Locking mechanism for sliding car doors. 1,628,167; May 10.
Machlett, Raymond R., assignor to Rainbow Light, Inc., New York, N. Y. Neon tube. 1,628,256; May 10.
MacLaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Carrier distributing and selecting apparatus. 1,628,607; May 10.
Macorn, Theodore K., and J. A. Pozera, Zeigler, Ill. Cigar-tip cutter and cigar box. 1,627,790; May 10.
MacVicar, James L., Newport News, Va. Aircraft design. 1,627,856; May 10.
Macy, Frank, Converse, Ind. Packing. 1,627,791; May 10.
Madden, John, Detroit, Mich. Lock nut. 1,627,745; May 10.
Madison-Kipp Corporation. (See Korsmo, Torjorn C., assignor.)
Magee, Ernest M., Providence, R. I. Textile fabric or similar article of manufacture. Des. 72,626; May 10.
Magondeaux, Roger, Paris, France. Manufacture of granular cellulose. 1,628,549; May 10.
Magor Car Corporation. (See Magor, Robert J., assignor.)
Magor, Robert J., assignor to Magor Car Corporation, New York, N. Y. Partition end for freight cars. 1,627,980; May 10.
Magor, Robert J., Montreal, Quebec, Canada, assignor to Magor Car Corporation, New York, N. Y. Corner post for freight cars. 1,627,981; May 10.
Maguet, Martial, Le Teil, assignor to La Société Anonyme des Chaux et Ciments de Lafarge et du Teil, Le Viviers (Ardeche), France. Treatment of slags by fluids under pressure. 1,627,982; May 10.
Maickel, Joseph, Butte, Mont. Demountable-drill-bit grinder. 1,627,983; May 10.
Maitre, Alcide H., and V. H. G. Martin, Rouen, France. Keyboard musical instrument with electromagnetic operation. 1,628,507; May 10.
Makowski, John F., Stockton, Calif., assignor, by mesne assignments, to Fire Proof Wall Company, Reno, Nev. Wall construction. 1,627,913; May 10.
Malke, Sven, Milwaukee, Wis. Radiator. 1,627,914; May 10.
Malke, Sven, Milwaukee, Wis. Testing and defiating machine. 1,628,168; May 10.
Mallett, Charles S., and W. J. Aldis, Toronto, Ontario, Canada, assignor to General Electric Company. Electric key socket. 1,628,415; May 10.
Mallory, Edward B., Tenafly, N. J., and A. Roth, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Radiocabinet. Des. 72,627; May 10.
Mallory, Edward B., Tenafly, N. J., and A. Roth, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Radiocabinet. Des. 72,628; May 10.
Mallory, Edward B., Tenafly, N. J., and A. Roth, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Radiocabinet. Des. 72,629; May 10.
Mallory, George P., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Apparatus for forming articles from paper or similar material. 1,628,257; May 10.
Malm, William, New Orleans, La. Safety device for motion-picture-projecting machines. 1,628,258; May 10.
Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Feeding device. 1,627,792; May 10.
Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Automatic feeding mechanism. 1,627,793; May 10.
Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Cigar-banding machine. 1,627,794; May 10.
Manderbach, Charles E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Packing receptacle. 1,627,613; May 10.
Mandl, Karl F. (See Karabin, M., Skoczlek, and Mandl.)
Mandl, Sigmund, assignor to Husky Wrench Co., Milwaukee, Wis. Wrench. 1,628,467; May 10.
Manhattan Electrical Supply Company. (See Hendry, William F. assignor.)
Manhattan Rubber Mfg. Company, The. (See Snyder, Harry V. N., assignor.)
Manning Manufacturing Company, The. (See Manning, Roy A., assignor.)
Manning, Maxwell & Moore, Inc. (See Moore, George E., assignor.)
Manning, Roy A., Rutland, assignor to The Manning Manufacturing Company, Rutland, Vt. Milk filter. 1,627,795; May 10.
Manufacturas de Corcho, S. A. (See Vincke, Enrique, assignor.)
Marbelite Corporation of America. (See Barkschat, Henry, assignor.)
Marcalus, Nicholas, Plainfield, N. J. Winding machine. 1,628,322; May 10.
Marcalus, Nicholas, Plainfield, N. J. Web-winding machine. 1,628,323; May 10.
Marchant Calculating Machine Company. (See Johnston, Clarence L., assignor.)
Marker, John. (See Cottrell, J., and Marker.)
Marsh, William J., et al. (See Marvin, Samuel W., assignor.)
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Molding strip. 1,627,915; May 10.
Martin, Bethel J., San Francisco, Calif. Pneumatic steering device for vehicles. 1,627,568; May 10.
Martin, Edgar W., et al., trustees. (See Pendleton, Pyam L., assignor.)
Martin, Laurence C., et al, trustees. (See Pendleton, Pyam L., assignor.)
Martin, Robert, Fort Francis, Ontario, Canada. Machine for collecting bugs. 1,627,796; May 10.
Martin, Victor H. G. (See Maitre, A. H., and Martin.)
Martinson, Oscar J., assignor to Monighan Machine Co., Chicago, Ill. Traction machine. 1,627,984; May 10.
Marvin, Samuel W., Cambridge, assignor of one-third to W. J. Marsh, Stow, and one-third to C. G. Wells, Boston, Mass. Clamping device for printing plates. 1,628,384; May 10.
Mason, Henry L., Asheville, N. C. Electric speed control for motor vehicles. 1,627,985; May 10.
Massicks, Thomas K., Brakpan, Transvaal, South Africa. Oil separator. 1,627,569; May 10.
Massolle, Joseph. (See Vogt, H., Engl, and Massolle.)
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Window. 1,627,916; May 10.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Vibration dampener. 1,627,917; May 10.

Mattern, William J., Lewistown, Pa. Pipe. 1,627,797; May 10.
Mauser, Alfons, Cologne-Marienburg, Germany. Process and apparatus for increasing the strength of articles. 1,628,259; May 10.
Manss, Wilhelm, Durban, Natal South Africa. Balancing single acting pistons. 1,627,658; May 10.
Maxim, Jesse H., Everett, Mass. Power transmission unit. 1,628,260; May 10.
Maxwell, George B., Potosi, Mo. Governor for power attachments. 1,627,660; May 10.
May, George, Oil City, La. Stop signal for automobiles. 1,627,659; May 10.
May, John C., Augusta, Ga. Bottle. Des. 72,630; May 10.
McBurney, Matthew R., Los Angeles, Calif. Treatment table. 1,628,369; May 10.
McCaa, George S., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Breathing apparatus. 1,628,254; May 10.
McClelland, Bert, Perkasie, assignor to United States Gauge Company, Sellersville, Pa. Compound gauge. 1,628,169; May 10.
McConway & Torley Company, The. (See McConway, William, jr. assignor.)
McConway, William, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft yoke. 1,628,170; May 10.
McCormick Bros. Company. (See Halvorsen, Axel I. S., assignor.)
McCully, Newton A., Anderson, S. C. Aerial landing harp for aeroplanes. 1,627,614; May 10.
McElligott, Michael C., Preston, Ontario, Canada, assignor to The Cleveland Fare Box Company, Cleveland, Ohio. Fare box. 1,628,508; May 10.
McGann, George J., Providence, R. I., assignor to Slasher Rolls Co. Textile processing or finishing machine. 1,628,261; May 10.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Engine. 1,628,052; May 10.
McGinnis, David R., Kalispell, Mont. Heavy duty locomotive. 1,628,262; May 10.
McIntyre, Abe, Billings, Mont. Fireproof composition. 1,628,171; May 10.
McKenzie, John, Whangarei, Auckland, New Zealand. Wall construction. 1,627,986; May 10.
McLean, Philip S., et al. (See Stoll, H. C., and Schroder, assignors.)
McLeod, John A., Memphis, Tenn. Scutching fibrous plants. 1,627,919; May 10.
McTighe, Arthur D., Trenton Junction, N. J. Window ventilator for automobiles and the like. 1,628,053; May 10.
McTyre, George H., Daingerfield, Tex. Fertilizer distributor. 1,627,798; May 10.
Mensuregraph Company. (See Wheeler, J. L., Reed, and Hosch, assignors.)
Mehlin, Charles, Fort Lee, N. J. Piano construction. 1,628,172; May 10.
Melcher, Lee W., West Depre, Wis. Merry-go-round. 1,627,570; May 10.
Mellins Food Company of North America. (See Bunker, Carl H., assignor.)
Menchen, Joseph, Summit, N. J. Portable fastening device. 1,627,709; May 10.
Meredith, Grover. (See Meredith, James O. and G.)
Meredith, James O. and G., Marion, Ind. Anchoring device. 1,628,550; May 10.
Meredith, Robert M. (See Blackley, W. R., and Meredith.)
Merle, André N., assignor to Pathé Cinéma Anciens Etablissements Pathé Frères, Paris, France. Attaching motion-picture films to winding cores. 1,628,416; May 10.
Merritt, Arthur A., Edgewood, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machine. 1,628,173; May 10.
Meunier, Charles, Great Neck, N. Y. Gutter hanger. Re16,622; May 10.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire construction. 1,627,799; May 10.
Midwest Air Filters, Incorporated. (See Carlstedt, Ragnar, assignor.)
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller Company, The. (See Roby, Sheldon S., assignor.)
Miller, Joseph A., assignor to Draper Corporation, Hopedale, Mass. Bobbing-clutching means for rotatable spindles. 1,628,054; May 10.
Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Molding silica. 1,628,417; May 10.
Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Producing vitreous silica. 1,628,468; May 10.
Miller, Ted, Encinitas, Calif. Automobile locking apparatus. 1,628,469; May 10.
Miller, William J., Swissvale Borough, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Process and apparatus for feeding glass. 1,628,324; May 10.
Mills, Herbert, San Antonio, Tex. Railway crossing. 1,627,800; May 10.
Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Blank-feeding mechanism. 1,627,920; May 10.
Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Apparatus for assembling articles to be packed. 1,628,596; May 10.
Milwaukee Air Power Pump Company. (See Rogers, Homer S., assignor.)
Mine Safety Appliances Company. (See McCaa, George S., assignor.)
Miner, Carl S., Glencoe, and G. Steerup, Chicago, Ill., assignors to The Quaker Oats Company, Chicago, Ill. Producing feed stuff. 1,627,921; May 10.
Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
Miskin, Arthur R., Ucon, Idaho. Road scraper. 1,627,857; May 10.
Mitchell, Edwin C., Greenville, Pa. Hopper-car door-operating device. 1,627,801; May 10.
Mitchell, George L. (See Scott, Louis R., assignor.)
Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating alunite. 1,628,174; May 10.
Moats, De Witt T., Columbus, Ohio. Attaching means. 1,627,802; May 10.
Mohawk Brush Company. (See Aufsesser, Gates R., assignor.)
Mohawk Brush Company. (See Weber, Frank R., assignor.)
Mohawk Corporation of Illinois. (See Chamberlain, Paul A., assignor.)
Moline Implement Company. (See Scaholin, John P., assignor.)
Möller, Fritz, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Rolling mill. 1,628,175; May 10.
Molloy, David J., Company. (See Persons, Ernest L., assignor.)
Mondl, James V. (See Shaughnessy, John L., assignor.)
Monighan Machine Co. (See Marthinson, Oscar J., assignor.)
Monitor Controller Company. (See Whittingham, George H., assignor.)
Monroe, Harry L., and W. Cramer, St. Louis, Mo. Supporting and concealing folding beds. 1,628,418; May 10.
Moore, Frank W., Redlands, Calif. Gas cock or valve. 1,628,263; May 10.
Moore, George E., Muskegon, Mich., assignor to Manning Maxwell & Moore, Inc., New York, N. Y. Trolley construction for cranes. 1,627,746; May 10.
Morello, John, assignor of one-half to F. Scaglione, Salt Lake City, Utah. Rail joiner. 1,627,987; May 10.
Morgal, John F., Springfield, Ohio, assignor, by mesne assignments, to B. E. Crabbs. Grinding machine. 1,627,858; May 10.
Morgan, William T., New Bedford, assignor to Whitin Machine Works, Whitinsville, Mass. Bunch-building mechanism for spinning frames. 1,627,615; May 10.
Morl, Charles R., New York, N. Y. Basket. 1,628,176; May 10.
Morral, Samuel E. (See Morral, William W., assignor.)
Morral, William W., assignor of one-half to S. E. Morral, Morral, Ohio. Corn-husking machine. 1,628,325; May 10.
Morrill, Charles H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,627,661; May 10.
Morse, Albert W., Long Island City, N. Y. Burner support. 1,628,470; May 10.
Morse, Lawrence H., Cleveland, assignor to The American Multigraph Company, Cleveland, Ohio. Addressing machine. 1,627,662; May 10.
Morse, Lawrence H., Cleveland, Ohio, assignor to The American Multigraph Company. Printing machine with changeable form. 1,627,663; May 10.
Morton, Alexander K., and J. A. Halloran, South Norwalk, assignors to The Norwalk Lock Company, Norwalk, Conn. Hotel lock. 1,628,264; May 10.
Morton, Frank M., Phoenix City, Ala. Calendar rack. 1,627,988; May 10.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Feed-water heater. 1,628,471; May 10.
Muffly, Glenn, Cleveland Heights, Ohio. Hydropneumatic controller for water systems. 1,628,265; May 10.
Muller, Frank G. D. (See Schmidt, G. C., and Muller.)
Muller, Frans G. D. (See Schmidt, G. C., and Muller.)
Myers, Agnes W., et al. (See Myers, Joseph W., assignor.)
Myers, Joseph H., et al. (See Myers, Joseph W., assignor.)
Myers, Joseph W., assignor of one-third to J. H. Myers, Jackson, and one-third to A. J. Tuttle, Detroit, and one-third to A. W. and J. W. Myers, Jackson, Mich. Flatiron. 1,627,922; May 10.
Myers, Joseph W., et al. (See Myers, Joseph W., assignor.)
N. I. C. E. Limited. (See Snow, Charles S. H., assignor.)
N. V. Machina Maatschappij vor Handel en Industrie. (See Fischer, Oskar, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Jonns, Gottfried B., assignor.)
Naamlooze Vennootschap Verceinigde Touwfabrieken. (See Hoos, Willem, assignor.)
Nash, David H., Petersburg, Va. Speedometer drive. 1,627,616; May 10.
National Automatic Tool Company, The. (See Galloway, Robert M., assignor.)

National Biscuit Company. (See Taylor, George A., assignor.)
National Cash Register Company, The. (See Shipley, Bernie M., assignor.)
National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
National Pneumatic Company. (See Rowntree, Harold, assignor.)
National Recording Pump Company. (See Hatmaker, W. T., and Eickmeyer, assignors.)
Nangatuck Chemical Company, The. (See Bradley, C. E., and Gibbons, assignors.)
Naunton, William J. S. (See Cronshaw, C. J. T., and Naunton.)
Nava, Genaro M., New York, N. Y. Protractor and using same. 1,628,266; May 10.
Neale, Robert M. (See Nelson, Lewis D., assignor.)
Neale, Robert M., et al. (See Nelson, Lewis D., assignor.)
Neff, David, et al. (See Taylor, Charles W., assignor.)
Nelson, Alfred N., Long Beach, Calif. Waterproofing composition and making the same. 1,628,370; May 10.
Nelson, Gust W., Cloquet, Minn. Disintegrator. 1,628,419; May 10.
Nelson, Lewis D., Coldwater, assignor of one-half to R. M. Neale, Union City, Mich. Filling machine. 1,628,177; May 10.
Nelson, Lewis D., Coldwater, assignor of one-half to R. M. Neale, Union City, Mich. Weighing and filling machine. 1,628,178; May 10.
Nelson, Lewis D., Coldwater, assignor of one-half to R. M. Neale, Union City, Mich. Bag-filling machine. 1,628,179; May 10.
Nelson, Lewis D., Coldwater, assignor of two-thirds to R. M. Neale and W. M. Hatch, Union City, Mich. Filling machine. 1,628,267; May 10.
Nelson, Lewis D., Coldwater, assignor of one-half to R. M. Neale, Union City, Mich. Filling machine. 1,628,268; May 10.
Nelson, Lewis D., Coldwater, Mich. Bag-filling machine. 1,628,269; May 10.
Nelson, William E. (See Busha, Leon, assignor.)
Neugebauer, Wilhelm. (See Schmidt, M. P., and Neugebauer.)
Neviere, Louis A., Chateau de Mere, near Artaimes, France. Automatic fire-producing device. 1,627,923; May 10.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fluid-pressure-actuated pump. 1,628,608; May 10.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Treating combustible material. 1,628,609; May 10.
Newitt, Harry R. (See Herman, J., Allen, and Newitt.)
Newton, Daniel L., Fullerton, Calif. Apparatus for absorption and distilling of hydrocarbons. 1,628,055; May 10.
Nicholson, John L., assignor to Locomotive Firebox Company, Chicago, Ill. Fire-arch construction. 1,628,180; May 10.
Niles, Frank and L., Santa Barbara, Calif. Building wall construction and making the same. 1,628,056; May 10.
Niles, Lester. (See Niles, Frank and L.)
Nilson, John L., and J. F. Prince, Chicago, Ill. Automatic windshield cleaner. 1,627,989; May 10.
Nilchie, Hubbard D., Cranford, N. J., assignor to The Watson-Stillman Co., New York, N. Y. Molding apparatus. 1,628,057; May 10.
Nix, Neely, assignor of two-thirds to M. R. Humpton and one-third to R. A. Stone, Long Beach, Calif. Metering pump. 1,628,058; May 10.
Nixon, J. Hartley, Woodstown, N. J. Cultivator. 1,628,181; May 10.
Noddings, Henry S., Springfield, Mass. Safety-razor-blade holder. 1,627,664; May 10.
Nolan, Patrick J., Alliance, Nebr. Automatic control for windmills. 1,627,990; May 10.
Nordin, John, Monticello, Minn. Mail-box signal. 1,627,617; May 10.
Norris, Ralph F. (See Weiss, H. F., and Norris.)
Northboro Brush Company. (See Le Boeuf, Arthur W., assignor.)
North East Appliances Inc. (See Dorsey, Farnum F., assignor.)
Northrop, Mabel E., Pasadena, Calif. Bedpan. 1,627,571; May 10.
Northwood, Charles O., Corning, N. Y., assignor to United States Glass Company, Pittsburgh, Pa. Goblet or similar article. Des. 72,631; May 10.
Norwalk Lock Company, The. (See Norton, A. K., and Halloran, assignors.)
Noyes, Benjamin L., Stonington, Me. Antiglare device. 1,628,551; May 10.
Oakite Products, Inc. (See Gray, Hiram L., assignor.)
O'Brien, William G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber. 1,628,326; May 10.
Ochs, George F. A., Newark, N. J. Anchor block for railway ties. 1,628,509; May 10.
O'Connor, John B., Brooklyn, N. Y. Rail obstacle. 1,628,552; May 10.
Ohaus, Gustav, Maplewood, N. J. Weighing-scale plate. 1,627,710; May 10.
Ohio Match Company, The. (See Parker, Lucian E., assignor.)
Ohlson, Anton. (See Kronlund, Perry E., assignor.)
Oil Conservation Engineering Company, The. (See Calhoun, Tracy J., assignor.)
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Okadee Company, The. (See Vissering, Harry, assignor.)
Olin, John M., and A. S. O'Neil, Alton, assignors to Western Cartridge Company, East Alton, Ill. Propellant powder. 1,627,859; May 10.
Olin, John M., V. L. Davis, and J. B. Smith, Alton, assignors to Western Cartridge Company, East Alton, Ill. Method of and apparatus for forming detonator igniter terminals. 1,627,860; May 10.
Olinger, Thomas, and F. G. Brendel, assignors to Federal Manufacturing Company, Holland, Mich. Pulley. 1,627,572; May 10.
O'Neil, Arthur S. (See Olin, J. M., and O'Neil.)
O'Neil, Arthur S., assignor to Western Cartridge Company, East Alton, Ill. Propellant powder and making same. 1,627,861; May 10.
O'Neil, Arthur S., Alton, assignor to Western Cartridge Company, East Alton, Ill. Propellant powder and making same. 1,627,862; May 10.
O'Neil, Arthur S., Alton, assignor to Western Cartridge Company, East Alton, Ill. Explosive powder and making same. 1,627,863; May 10.
Orr, Harry S., Alameda, Calif. Apparatus for detecting and extinguishing fires in the cargo spaces of vessels. 1,628,182; May 10.
Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Address plate. 1,628,630; May 10.
Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Identification means for address plates. 1,628,631; May 10.
Osborne, Fay H., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn. Paper for preventing tarnishing of polished metals. 1,628,610; May 10.
O'Toole, John J., Pittsburgh, Pa. Tobacco-pipe attachment. 1,628,059; May 10.
Overbury, Frederick C., Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass. 1,627,665; May 10.
Owen, William O., Washington, D. C. Blasting. 1,627,991; May 10.
Owens, Dabney P., Lake Worth, Fla. Angle screw driver and attachment. 1,628,553; May 10.
P & M Company, The. (See Preston, Frederick A., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Paden, William L., Saginaw, Mich. Combined cash register and adding machine. 1,628,420; May 10.
Pagano, Gaetano, assignor of one-fourth to S. Benfonti and one-fourth to G. Sofia, Brooklyn, N. Y. Clothes wringer. 1,628,554; May 10.
Page, Andrew. (See Coyne, Albert E., assignor.)
Pahlow, Gustav C., assignor to Victor Casket Hardware Co., Galesburg, Ill. Lug for casket handles. Des. 72,632; May 10.
Paper Service Company, The. (See Rowe, William W., assignor.)
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Slide feeder for match machines. 1,628,327; May 10.
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Slide feeder for match machines. 1,628,328; May 10.
Parkersburg Rig & Reel Company, The. (See Wolfe, Dell H., assignor.)
Patenaude, Hector F., Bisbee, Ariz. Attachment for hair clippers. 1,628,421; May 10.
Pathé Cinéma, Anciens Etablissements Pathé Frères. (See Merle, André N., assignor.)
Pathe Cinema, Anciens Etablissements Pathe Freres. (See Zelger, Georges E., assignor.)
Pathe Exchange, Inc. (See Knechtel, Alvin V., assignor.)
Paul, Jennie H., Amarillo, Tex. Body applicator. 1,627,618; May 10.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Gang plow. 1,627,924; May 10.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Weed-cutting device. 1,628,422; May 10.
Paulus, Max G., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Sweetening hydrocarbon oils. 1,628,423; May 10.
Payne, Caleb, assignor to Gypsum Engineering & Manufacturing Co., Chicago, Ill. Continuous self-cleaning mixer. 1,628,632; May 10.
Payne, John S., Midland Park, N. J. Brake-operating mechanism. 1,628,060; May 10.
Payzant, Henry H., Everett, Wash., assignor to Wood Conversion Company, Cloquet, Minn. System of feed control. 1,627,925; May 10.
Payzant, Henry H., Everett, Wash., assignor to Wood Conversion Company, Cloquet, Minn. Distributing hood. 1,627,926; May 10.
Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)

Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus and method for burning liquid fuel. 1,628,424; May 10.
Peale, Rembrandt, et al., trustees. (See Davis, Kenneth, assignor.)
Peale, Rembrandt, et al. (See Peale, Richard, assignor.)
Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Rembrandt Peale, St. Benedict, Pa., W. S. Davies, New York, N. Y., and W. S. Wallace, Philadelphia, Pa. Mining and conveying machine. 1,628,329; May 10.
Pearson, Charles, assignor to International Harvester Company, Chicago, Ill. Lifting device for tractor mowers. 1,627,711; May 10.
Pease, Isaac M., Cincinnati, Ohio. Truss pad. 1,627,992; May 10.
Peck, Robert G. (See Brown, A., and Peck.)
Peck, Robert G., and A. Brown, assignors to The Aridor Company, Chicago, Ill. Display receptacle. 1,628,330; May 10.
Pedersen, John, St. Louis, Mo. Electric sign. 1,627,993; May 10.
Pedersen, John, St. Louis, Mo. Gate mechanism for freight elevator hatchways. 1,627,994; May 10.
Pence, Alonzo H., and W. A. Pence, Somerville, Ala. Mechanically-operated figure toy. 1,628,331; May 10.
Pence, William A. (See Pence, Alonzo H. and W. A.)
Pendleton, Pyam L., Providence, R. I., assignor to E. W. Martin, L. C. Martin, and G. W. Bleecker, trustees. Electric mounting or connecter. 1,628,183; May 10.
Pendry, William J., Martinez, Calif. Pipe-sealing device. 1,627,995; May 10.
Pepino, Henry G., New York, N. Y. Bottle stopper seal. 1,628,555; May 10.
Perfection Stove Company. (See Wood, William, assignor.)
Perkins, Marion F., Topeka, Kans. Hydraulic motor. 1,627,996; May 10.
Perry, Charles H., Miami, Fla. Apparatus for filtering and purifying water. 1,628,510; May 10.
Perry, Emanuel J., New Bedford, assignor to Perry Laundry Machinery Company, Fairhaven, Mass. Soap door for washing machines. 1,627,803; May 10.
Perry Laundry Machinery Company. (See Perry, Emanuel J., assignor.)
Perry, Nathan G., Oakland, and L. L. Hanson, Los Angeles, Calif. Beach chair. 1,628,472; May 10.
Persons, Ernest L., Chicago, Ill., assignor to David J. Molloy Company. Loose-leaf binder. 1,627,864; May 10.
Pestel, Arthur, New York, N. Y. Overload and strain releasing mechanism. 1,628,184; May 10.
Petard, Daniel, Nice, France. Safety razor. 1,627,927; May 10.
Peters, Frank R., New York, N. Y., assignor to Franklin Railway Supply Company. Driving apparatus for locomotive booster motors. 1,628,185; May 10.
Petersen, Carl M., assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Multiple-spindle metal-turning machine. 1,628,061; May 10.
Petersen, George E., Bristol, Pa. Conveyer lubricator. 1,628,512; May 10.
Petersen, George E., Bristol, Pa. Collapsible sliding closure. 1,628,511; May 10.
Petersen, Nels P., Los Angeles, Calif. Coin-slot mechanism for vending machines. 1,628,062; May 10.
Peterson, Arthur R., San Francisco, Calif. Billiard cue chalking device. 1,627,573; May 10.
Phelan, Merton D., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-making machine. 1,627,666; May 10.
Philips, N. V., Gloeilampenfabrieken. (See Hertz, Gustav L., assignor.)
Phillippi, Frank A., Pottstown, Pa. Water cooler. 1,627,574; May 10.
Pierce, George L., and H. V. Rau, Brooklyn, assignors to A. G. Spalding & Bros., New York, N. Y. Golf-bag bottom. 1,628,186; May 10.
Pistorius, Anna, assignor to Theodore A. Schmidt Lithographing Company, Chicago, Ill. Box cover paper. Des. 72,633; May 10.
Pitkin, Arthur F., Schenectady, N. Y. Manufacture of steam-boiler stay bolts. 1,628,063; May 10.
Pittsburgh Annealing Box Company. (See Hunter, Percy E., assignor.)
Plane Speaker Corporation. (See Coburn, J. M., and Knapp, assignors.)
Platt, Arthur D., Portland, Oreg. Combined stopper and pen-filling attachment for ink bottles. 1,627,804; May 10.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,628,187; May 10.
Poignand, Francis N., Westfield, N. J., assignor, by mesne assignments, to Super-Gas Corporation, Wilmington, Del. Duplex throttle valve. 1,627,997; May 10.
Pokorney, John, Burwell, Nebr. Lever control bolt for doors. 1,628,473; May 10.
Pollock, Alan A., Leamington Spa, England, assignor to General Electric Company. Control of dynamo-electric machines. 1,628,425; May 10.
Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking petroleum oil. 1,628,270; May 10.
Porter, Cloyd M., Connersville, Ind. Tractor drawbar coupling. 1,627,998; May 10.
Powell, William H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine and winding therefor. 1,628,611; May 10.
Powell, William H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine and winding therefor. 1,628,612; May 10.
Powell, William H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine and winding therefor. 1,628,613; May 10.
Power Specialty Company. (See MacDowell, Francis M., assignor.)
Powers, Donald H. (See Bridgwater, E. R., and Powers.)
Powers, Thomas E., New York, N. Y. Lamp. Des. 72,634; May 10.
Pozera, Joseph A. (See Macorn, T. K., and Pozera.)
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Prenveille, Antoine E. M. (See Prenveille, Donald E., assignor.)
Prenveille, Donald E., assignor of one-half to A. E. M. Prenveille, Oakland, Calif. Beam compass. 1,628,426; May 10.
Pressler, Charles F., Fort Wayne, Ind. Vented waste-pipe fitting. 1,627,928; May 10.
Prest-O-Lite Company. (See Benner, Raymond C., assignor.)
Preston, Clarence S., San Diego, Calif. Tire valve. 1,628,064; May 10.
Preston, Frederick A., Highland Park, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,628,232; May 10.
Price, Charles P., Boston, Mass. Gas heater. 1,628,427; May 10.
Prichard, Channing, Seattle, Wash., assignor of one-half to J. T. Beamish, Baker, Oreg. Draft regulator. 1,628,428; May 10.
Prince, John F. (See Nilson, J. L., and Prince.)
Pritzl, Frank S. (See Chermak, E. G., and Pritzl.)
Prizma, Incorporated. (See Kelley, William V. D., assignor.)
Probst, Albert, Los Angeles, Calif. Eskimo pie-vending machine. 1,627,865; May 10.
Prosperity Company, The. (See Houck, George C., assignor.)
Prosperity Company, The. (See Ryan, George E., assignor.)
Provost, Frank W. and G. B. Haywood, Houston, Tex. Lint condenser. 1,628,065; May 10.
Pullen, Ovid, Harmony, N. C. Thimble. 1,628,188; May 10.
Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,627,999; May 10.
Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
Quaker Oats Company, The. (See Miner, C. S., and Steerup, assignors.)
Quaker Oats Company, The. (See Trickey, John P., assignor.)
Radford, Eric H., Los Angeles, Calif. Wrapper. 1,628,429; May 10.
Rainbow Light, Inc. (See Machlett, Raymond R., assignor.)
Raisner, August C., Philadelphia, Pa. Toy trick box. 1,628,189; May 10.
Ramsey, George, Brooklyn, N. Y. Speedometer. 1,628,271; May 10.
Rand Kardex Bureau, Inc. (See Day, W. H., and Thomas, assignors.)
Raney, Murray, Chattanooga, Tenn. Producing finely-divided nickel. 1,628,190; May 10.
Ransdell, Clarence C., Monroe City, Mo., assignor of one-half to W. L. Harrison, Shelbina, and one-fourth to J. C. Delonay, Monroe City, Mo. Grate. 1,627,866; May 10.
Rasmussen, Anton M., Rockford, Ill. Ironing machine. 1,627,747; May 10.
Ratner, Richard L., New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Goblet. Des. 72,635; May 10.
Rattay, Joseph J., McKeesport, Pa. Double-pole two-way push-button switch. 1,628,191; May 10.
Rau, Henry V. (See Pierce, G. L., and Rau.)
Raymond Bros. Engineering Co. (See Bergman, Lars H., assignor.)
Rectifier Manufacturing Company. (See Wall, William G., assignor.)
Redin, Ekstrom & Company. (See Carlson, George H., assignor.)
Redington, F. B., Company. (See Milmoe, Michael J., assignor.)
Reed, Edwin A. (See Wheeler, J. L., Reed, and Hosch.)
Reichard, Harold D., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,636; May 10.
Reid, John, Oil City, Pa. Safety stop device. 1,628,332; May 10.
Reimer, Fred C., Co. Inc. (See Schmidt, Ferdinand, assignor.)
Reitz, Albert F., Kansas City, Mo. Dilator. 1,628,272; May 10.

Reliance Pump and Machine Company, The. (See Ingram, Walter M., assignor.)
Remde, Edward H. (See Hertner, J. H., and Remde.)
Remington Arms Company. (See Lippert, Walter E., assignor.)
Remington Arms Company. (See Loomis, Crawford C., assignor.)
Reubens, Emmanuel, Washington, D. C. Check protector. 1,627,619; May 10.
Reynolds, Henry L., Seattle, Wash. Stump burner. 1,627,867; May 10.
Reynolds, Palmer W., Bronxville, N. Y. Control circuits. 1,628,192; May 10.
Rhodes, Hampton P., Houston, Tex. Flexible metallic packing. 1,627,620; May 10.
Ribes, Paul C., Colombes, France. Automatic water trap. 1,628,430; May 10.
Rich, H. A., et al. (See Smith, Charles F., assignor.)
Richards, John E., Peckville, Pa. Combined shingle support and cornice-protecting device. 1,627,805; May 10.
Richardson, Rodney G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,627,929; May 10.
Richardson, Rodney G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,627,930; May 10.
Richardson, Willard D., Columbus, Ohio. Method and apparatus for burning clayware. 1,628,273; May 10.
Riehl, Frederick W., Yonkers, N. Y. Headlight for motor vehicles. 1,628,193; May 10.
Rigby, Thomas, London, England. Manufacture of cement. 1,628,000; May 10.
Riley, Lester S., Reading, Mass. Machine for making corner mounts. 1,627,667; May 10.
Robbins, Meyer, Malden, Mass. Steam generator. 1,627,668; May 10.
Robbins & Myers Company, The. (See Baker, Edgar N., assignor.)
Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Centrifugal machine. 1,627,868; May 10.
Robeson, Hawkins E., Garner, Tex. Railway motor car. 1,628,513; May 10.
Robinson, Frederick, Seaforth, Ontario, Canada. Boiler compound. 1,628,514; May 10.
Robinson, Jay G., Chicago, Ill. Fire door for furnaces. 1,628,274; May 10.
Robinson, Robert R., Los Angeles, assignor to L. L. Hicks, Oxnard, Calif. Vending apparatus for liquids. 1,628,194; May 10.
Robinson, Samuel F., Columbus, Ohio. Curette. 1,628,275; May 10.
Robinson, Thomas H. (See Bell, Charles E., assignor.)
Roby, Sheldon S., assignor, by mesne assignments, to The Miller Company, Meriden, Conn. Automatic dipping machine. 1,628,431; May 10.
Rogers, Homer S., assignor to Milwaukee Air Power Pump Company, Milwaukee, Wis. Pneumatic pump. 1,628,276; May 10.
Ronk, George T., Fairfield, Iowa. Mechanism for operating and controlling excavator dippers. 1,627,869; May 10.
Rose, James R., Edgeworth, assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa. Gas for cutting and welding purposes. 1,628,066; May 10.
Rose, James R., Edgeworth, assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa. Gaseous fuel. 1,628,067; May 10.
Rosell, Axel J., Brooklyn, N. Y. Counterweighted sidewalk elevator. 1,628,556; May 10.
Rosenberger, Hermann. (See Braach, Paul, assignor.)
Rosenthal China Corporation. (See Wesp, George, assignor.)
Ross, Barton, Chicago, Ill. Automatic belt guide. 1,628,614; May 10.
Ross, John D., Washington, D. C. Nonslip attachment for automobile wheels. 1,627,806; May 10.
Rost, Robert W., Newark, N. J., assignor of one-half to A. F. Bigger, New York, N. Y. Manufacture of coagulum rubber articles. 1,628,195; May 10.
Roth, Albert. (See Mallory, E. B., and Roth.)
Roussie, Helen M., Providence, R. I. Can for gasoline or the like. 1,627,807; May 10.
Rovelli, August, San Francisco, Calif. Cutlery holder for cooking receptacles. 1,627,575; May 10.
Rowe, William W., assignor to The Paper Service Company, Cincinnati, Ohio. Crinkling and reenforcing paper. 1,628,515; May 10.
Rowntree, Harold, assignor to National Pneumatic Company, New York, N. Y. Safety system for railway cars. 1,627,748; May 10.
Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Manually-operable door and step. 1,627,749; May 10.
Royle, Vernon, Paterson, N. J. Gearing mechanism for tubing machines. 1,627,576; May 10.
Rucker, John. (See Kempton, W. E., and Rucker.)
Ruegger, Ernest, Creswell, Oreg. Rotating advertising device. 1,628,432; May 10.
Ryan, George E., Los Angeles, Calif., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Spring-pad construction. 1,628,196; May 10.
Ryder, Robert W., assignor to Santa Cruz Portland Cement Company, San Francisco, Calif. Cement kiln feeder. 1,628,197; May 10.
S & W Machine Company. (See Wermes, Frederick J., assignor.)
Sacre, Albert N. (See Catlett, Harry, assignor.)
St. Louis Reaming Tool Co. (See Davis, Robert R., assignor.)
Salerno, Ferdinando, G., Chicago, Ill. Machine for applying top coatings of comminuted materials to confection coated wafers. 1,627,577; May 10.
Sanitary Products Corporation of America. (See Mallory, George P., assignor.)
Santa Cruz Portland Cement Company. (See Ryder, Robert W., assignor.)
Sargent & Company. (See Shaw, John H., assignor.)
Sargent, Edmund S., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Toggle spreader. 1,628,615; May 10.
Sather, Edmund O., Oakland, Calif. Windshield wiper. 1,628,198; May 10.
Savitzky, Morris, New York, N. Y. Table scarf. Des. 72,637; May 10.
Sayres, John H., Brooklyn, N. Y. Latch-controlled operating mechanism. 1,628,474; May 10.
Scaglione, Frank. (See Morello, John, assignor.)
Scarff, Frederick W., London County, assignor to Vickers Limited, London, England. Gun mounting for use on aircraft. 1,628,068; May 10.
Schacht, William F., Huntington, Ind. Bumper. 1,628,277; May 10.
Schaub, Jacob, Lawrenceburg, Ind., assignor to The Theroz Company, New York, N. Y. Apparatus for and manufacture and filling of capsules. 1,628,333; May 10.
Scheliert, Otto. (See Cutshaw, Frank T., assignor.)
Scheuer, Sydney, Brooklyn, N. Y. Jewelry. 1,628,278; May 10.
Schilke, Walter D., Detroit, Mich. Garment protector. 1,628,433; May 10.
Schindler, Carl, Brookline, Mass., assignor to Carl Schindler, Inc. Tennis racket. 1,627,621; May 10.
Schindler, Carl, Inc. (See Schindler, Carl, assignor.)
Schloemann Aktiengesellschaft. (See Möller, Fritz, assignor.)
Schlumpf, Jacques, Oberwinterthur, Switzerland. Apparatus for treating vegetable, animal or artificial fibers with dyes or other liquids. 1,628,557; May 10.
Schmidt, Ferdinand, Des Moines, Iowa, assignor to Fred C. Reimer Co. Inc., New York, N. Y. Goblet or the like. Des. 72,639; May 10.
Schmidt, George C., and F. G. D. Muller, Houston, Tex. Tank vent. 1,628,069; May 10.
Schmidt, George C., and F. G. D. Muller, Houston, Tex. Combination tank vent, flame arrester, and automatic snuffer. 1,628,199; May 10.
Schmidt, Henry P., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lubricating system. 1,627,750; May 10.
Schmidt, Maximilian P., and W. Krieger, assignors to Kalle & Co. Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Sensitive layer on a suitable base and making the same. 1,628,279; May 10.
Schmidt, Maximilian P., and W. Neugebauer, Biebrich-on-the-Rhine, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Preparing nitriles of the benzanthrone series. 1,628,280; May 10.
Schmidt, Theodore A., Lithographing Company. (See Pistorius, Anna, assignor.)
Schnaier, Milton, New York, N. Y. Mold support. 1,628,434; May 10.
Schreiner, John, assignor to Paul W. Koch & Company, Chicago, Ill. Saw. 1,627,622; May 10.
Schroder, Hugo L. (See Stoll, H. C., and Schroder.)
Schroeder, Simon E., Newton, Iowa. Washing-machine tub. 1,627,931; May 10.
Schueler, Julian L., Peoria, Ill. Making basic open-hearth steel. 1,628,281; May 10.
Schulz, Josef, Barmen, Germany. Sheet-metal casing for photographic films. 1,628,558; May 10.
Schur, Raymond, Chicago, Ill. Vacuum-tube socket. 1,628,001; May 10.
Schurch, Jacob H., Philadelphia, Pa., assignor of one-half to W. H. Heise, Los Angeles, Calif. Power transmission for vehicles. 1,627,712; May 10.
Schurtz, Ralph E., Kansas City, Mo. Refrigeration system. 1,627,808; May 10.
Scott, Joseph B., Freeport, Ill. Rim-treatment process. 1,628,516; May 10.
Scott, Louis R., Toronto, Ontario, Canada, assignor to G. L. Mitchell, Detroit, Mich. Windshield-wing mounting. 1,628,200; May 10.
Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Sectional-splicing mechanism for knitting machines. 1,628,517; May 10.
Scott, Walter, Sheridan, Wyo. Ball-bearing universal joint. 1,627,932; May 10.
Scott & Williams, Incorporated. (See Scott, Robert W., assignor.)
Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Danville, Ill. Liquid conditioning and supply system. 1,628,201; May 10.

Scripto Manufacturing Company. (See Ferst, Monie A., assignor.)
Seaholm, John P., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Seat-guide cultivator. 1,628,435; May 10.
Sealed Containers Corporation. (See Stanley, Irving, assignor.)
Seels, Aubrey W., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Crown support for gas holders. 1,628,002; May 10.
Segrin, Oscar E., Springfield, and C. J. Clemens, East Longmeadow, assignors to Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass. Conveyer belt and means for guiding the same. 1,628,436; May 10.
Seidel, Emil. (See Bildstein, P., and Seidel.)
Seidemann, William A., Milwaukee, assignor to Blue Point Tool Company, Racine, Wis. Dispensing device. 1,627,870; May 10.
Senglar, John J., Tallmadge, assignor to The Firestone Steel Products Company, Akron, Ohio. Lug-making press. 1,628,616; May 10.
Seymour, James M., Newark, N. J. Heat-transfer apparatus. 1,627,713; May 10.
Seymour, William, Sault Ste. Marie, Ontario, Canada. Dip-pipe construction for the hydraulic mains of gas plants. 1,628,334; May 10.
Shaughnessy, John L., Harvey, assignor of one-half to J. V. Mondl, Chicago, Ill. Disappearing rabbit for dog races. 1,628,518; May 10.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Key-cutting device. 1,628,637; May 10.
Shea, George H. (See Tompkins, Lewis R., assignor.)
Shearer, Harry R., Dorena, Oreg. Automobile light. 1,627,669; May 10.
Sheldon, Waldo, Greenwich, Conn. Well-drilling apparatus. 1,628,282; May 10.
Sheldon, Waldo, Greenwich, Conn. Well-drilling chuck. 1,628,283; May 10.
Shepard, Oscar F., Cincinnati, Ohio. Electric brake. 1,628,202; May 10.
Shepard, Sarah E. B., Lowell, Mass. Ensemble undergarment. 1,628,475; May 10.
Sheridan, Thomas H. (See Terry, Joseph T., assignor.)
Sherman, George A., Pasadena, Calif. Advertising stand. 1,627,751; May 10.
Sherman, Willis S., Minneapolis, Minn. Flooring-end matcher. 1,628,335; May 10.
Shindel, Harry F., assignor to Willson Goggles Inc., Reading, Pa. Expansible eyecup. 1,627,578; May 10.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,628,336; May 10.
Shogran, David H., San Diego, Calif. Gas control. 1,628,337; May 10.
Shook, Florain J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Attachment device. 1,627,670; May 10.
Shore, William E., Staten Island, N. Y. Fuel vaporizer. 1,627,671; May 10.
Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Crank shaft. 1,627,809; May 10.
Shotton, John C., Lakewood, Ohio. Dental casting device. 1,628,437; May 10.
Shoup, John A., Battle Creek, Mich. Self-closing safety-filling cap. 1,628,519; May 10.
Showers, Ernest S., Champion, Mich. Coaster-wagon brake. 1,628,559; May 10.
Shultz, Albert B., and A. B. Casper, assignors to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,627,810; May 10.
Siegfried, Wilhelm, Erfurt, Germany. Pin ticket. 1,628,560; May 10.
Silo-Lite Corporation, The. (See Claflin, Charles R. B., assignor.)
Simmons Company. (See Gall, John F., assignor.)
Simons, Donald M., Osborne, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable joint. 1,628,438; May 10.
Simplex Cap Company. (See Zarobsky, Charles A., assignor.)
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Sinz, Walter A., Cleveland, assignor to R. Guy Cowan, Lakewood, Ohio. Flower holder. Des. 72,638; May 10.
Skoczlek, John. (See Karabin, M., Skoczlek, and Mandl.)
Skov, Henry A., assignor to Dansk Pressefabrik A/S, Copenhagen, Denmark. Machine for manufacturing bottle caps. 1,628,338; May 10.
Sladden, Sidney C., Freeport, N. Y. Self-propelled hose nozzle. 1,628,079; May 10.
Slasher Rolls Co. (See McGann, George J.)
Sloan, Harry E., Hartford, Conn. Chuck. 1,628,476; May 10.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,628,071; May 10.
Small, Sylvester J., Seattle, Wash. Door fastener. 1,627,752; May 10.
Smidth, F. L., & Co. (See Fasting, Johan S., assignor.)
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Charles F., New York, N. Y., assignor, by mesne assignments, to J. J. Halpin, H. A. Rich, E. A. Bichell, and G. H. Frew, jr. Manufacture of tobacco pipes. 1,628,617; May 10.
Smith, Early B., Tampa, Fla. Float-operated switch. 1,628,003; May 10.
Smith, Ernest W., and T. C. Finlayson, assignors of one-third to Woodall-Duckham Limited, London, England. Removal of sulphureted hydrogen from gas and apparatus therefor. 1,628,477; May 10.
Smith, Francis J., Gary, Ind. Spring. 1,628,561; May 10.
Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Producing boxes and box blanks. 1,627,811; May 10.
Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Producing boxes and box blanks. 1,627,812; May 10.
Smith, Harry M., Valley, Nebr. Stream deflector and river-bank protector. 1,627,623; May 10.
Smith, John B. (See Ollin, J. M., Davis, and Smith.)
Smith, John B., assignor of one-half to B. F. Love, Mountain Home, Ark. Earthworking implement. 1,628,562; May 10.
Smith, Joseph L., Ogden, Utah. Combined camp box and bench. 1,628,072; May 10.
Smith, Robert D. (See Freeman, Ralph F., assignor.)
Smithers, Vernon L., Akron, Ohio. Dust cap for tire valves. 1,628,440; May 10.
Snow, A. Elwood, administrator. (See Wilcox, Merrill M.)
Snow, Charles S. H., Croydon, assignor to N. I. C. E. Limited, London, England. Two-stroke cycle internal-combustion engine. 1,628,520; May 10.
Snyder, Charles O., Richmond, Ind. Sound amplifier for radiotransmission. 1,627,672; May 10.
Snyder, Harry V. N., Clifton, N. J., assignor to The Manhattan Rubber Mfg. Company. Winding bobbin. 1,627,933; May 10.
Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, Louis, assignor.)
Societe Chimique des Usines du Rhone. (See Bellone, Alfred F. S., assignor.)
Sofia, Gaetano, et al. (See Pagano, Gaetano, assignor.)
Soresi, Angelo L., New York, N. Y. Surgical apparatus. 1,627,714; May 10.
Soresi, Angelo L., New York, N. Y. Tire air valve. 1,628,441; May 10.
Sousa, John B., Reno, Nev. Game. 1,628,073; May 10.
Spalding, A. G., & Bros. (See Pierce, G. L., and Rau, assignors.)
Spencer, George, Moulton & Company. (See Abbott, W. E., and Elgey, assignors.)
Spencer, Henry K., Watertown, Mass., assignor to The Blanchard Machine Company, Cambridge, Mass. Handling articles. 1,628,618; May 10.
Sprado, Carl G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,628,619; May 10.
Square D Company. (See Horton, Bryson D., assignor.)
Stackhouse, W. H., et al. (See Einfeldt, Ernest E., assignor.)
Stafford, Earl C., Philadelphia, Pa., assignor to The United States Train Signal Company, Portland, Me. Automatic train-control system. 1,628,634; May 10.
Standard Development Company. (See Kraus, C. A., and Callis, assignors.)
Standard Oil Company. (See Atwell, Harold V., assignor.)
Standard Oil Company. (See Paulus, Max G., assignor.)
Standard Steel and Bearings Incorporated. (See Gamble, Robert E., assignor.)
Standard Underground Cable Company. (See Simons, Donald M., assignor.)
Stanley, Irving, assignor, by mesne assignments, to Sealed Containers Corporation, New York, N. Y. Apparatus for making receptacles. 1,628,074; May 10.
Starr, Charles M., South Bend, Ind. Automatic cut out. 1,628,339; May 10.
Staubly, John, assignor to Eagle Pencil Company, New York, N. Y. Display container. 1,628,439; May 10.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,627,673; May 10.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,627,674; May 10.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,627,675; May 10.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,627,676; May 10.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,627,677; May 10.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,627,678; May 10.
Steen, Carl W., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Ajustable machine support. 1,628,620; May 10.
Steerup, Godfrey. (See Miner, C. S., and Steerup.)
Stein, Charles, and W. M. Heller, Atlantic City, N. J. Doll. Des. 72,640; May 10.
Stein, Jacob, New York, N. Y. Machine for uniting sheet rubber. 1,628,203; May 10.

Stein, Louis H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Universal multiple operation machine. 1,627,934; May 10.
Stern, Carl L. (See Bower, W. M., Burdon, and Stern.)
Stern, Charles, Jersey City, N. J., and R. W. Braden, New York, N. Y., assignors to E. & S. Manufacturing Products Corporation, Jersey City, N. J. Attachment for locomotives. 1,628,478; May 10.
Stetson, John, San Francisco, Calif. Skating device. 1,628,004; May 10.
Steuernagel, Hugo V., Hartford, Conn. Clamp. 1,628,479; May 10.
Stevens, Harry P., New York, N. Y. Movable door panel. 1,627,579; May 10.
Stevens, Nathaniel D., Hazleton, Pa., and L. H. Rosbein, assignors to M. H. Detrick Company, Chicago, Ill. Furnace-arch construction. 1,628,284; May 10.
Stickney, Burnham C., Rutherford, N. J. Internal-combustion engine. 1,628,442; May 10.
Stimmel, Frederick C., assignor to The Casey-Hedges Co., Chattanooga, Tenn. Water tube boiler. 1,628,005; May 10.
Stinchfield, Ray L., assignor to Eastman Kodak Company, Rochester, N. Y. Laminated film which includes a layer of polymerized vinyl chloride. 1,627,935; May 10.
Stockton Box Company. (See Goff, Henry J., assignor.)
Stoll, Henry C., and H. L. Schroder, assignors of one-third to H. B. Kanter and one-third to P. S. McLean, New York, N. Y., and one-third to said Schroder. Phonograph. 1,628,285; May 10.
Stone, B. A., et al. (See Nix, Neely, assignor.)
Stott, John H., Glen May, England. Laminated spring. 1,628,371; May 10.
Stowe, Loyd R., St. Louis, Mo. Stoker. 1,627,715; May 10.
Stowe, Loyd R., St. Louis, Mo. Water tube boiler. 1,627,871; May 10.
Stowers, John L., Habana, Cuba. Device for opening and closing windows, shutters, and similar appliances. 1,627,580; May 10.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Combined gauge wheel and colter. 1,628,372; May 10.
Strayer, Guy H., Belle Valley, Pa. Power-actuated bucket. 1,627,872; May 10.
Strobel, Francis J., Philadelphia, Pa. Muffler attachment for telephones. 1,628,075; May 10.
Stromberg Motor Devices Company. (See Stein, Louis H., assignor.)
Studebaker Corporation. (See Davenport, George R., assignor.)
Sturtevant, B. F., Company. (See Allen, George W., assignor.)
Sun Oil Company. (See Clayden, Arthur L., assignor.)
Super-Gas Corporation. (See Poignand, Francis N., assignor.)
Swanberg, Floyd L. (See Scoville, Eugene M., assignor.)
Swenson, Carl E., assignor of one-fourth to C. L. Anderson, one-fourth to L. Faust, and one-fourth to E. S. Ekstrom, Rockford, Ill. Propeller shaft. 1,627,936; May 10.
Swenson, Carroll E., Clifton, Tex. Direction and temperature indicating device. 1,628,006; May 10.
Swift, Willis C., West Alexandria, Ohio. Portable acetylene generator. 1,627,581; May 10.
Sykes, Cecil M., assignor to The Hayes Meserole Mfg. Co., Milford, Conn. Pencil sharpener. 1,628,076; May 10.
Symington Company, The. (See Anderson, Gustaf A., assignor.)
Symington Company, The. (See Barrows, Donald S., assignor.)
Symington Company, The. (See Kadel, Byers W., assignor.)
Taliaferro, Thomas L., Chicago, Ill. Jar-closing machine. 1,628,007; May 10.
Taliaferro, Thomas L., Chicago, Ill. Apparatus for forming sealing rings on jar closures or the like. 1,628,008; May 10.
Tammeo, Aldo, Genoa, Italy. Wing structure for aircraft. 1,628,625; May 10.
Tarbox, John P., Garden City, N. Y. Method and system of vibratory signal control. 1,628,077; May 10.
Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Signal-transmission system. 1,628,009; May 10.
Taylor, Charles B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Prime-mover control system. 1,628,621; May 10.
Taylor, Charles W., assignor to E. C. F. Hartmann and D. Neff, Salt Lake City, Utah. Sound amplifier. 1,628,010; May 10.
Taylor, George A., Weehawken, N. J., assignor to National Biscuit Company, New York, N. Y. Display cover. 1,628,204; May 10.
Taylor, John, Chicago, Ill. Battery-plate puller. 1,628,563; May 10.
Taylor, John, Chicago, Ill. Battery filler. 1,628,564; May 10.
Taylor, Roy, assignor of one-half to D. A. Cant, Los Angeles, Calif. Swivel. 1,627,873; May 10.
Teachout, John H., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Folding top for vehicles. 1,627,716; May 10.

Terry, Joseph T., Leadville, Colo., assignor of one-half to T. H. Sheridan, Chicago, Ill. Treatment of ores. 1,627,582; May 10.
Tew, James D., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making rubber tubes. 1,628,286; May 10.
Texas Company, The. (See Hadaway, William S., jr., assignor.)
Thayer, Paul W., Minneapolis, Minn. Soot receptacle. 1,628,521; May 10.
Theilgaard, Holger, Chicago, Ill., assignor to Electrograph Advertising Service, Chicago, Ill. Printing mechanism. 1,628,078; May 10.
Theros Company, The. (See Schaub, Jacob, assignor.)
Thomas, Arthur D., Black Rock, Victoria, Australia. Mechanism for opening and closing gates, doors, and the like. 1,628,443; May 10.
Thomas, Clifford R. (See Day, W. H., and Thomas.)
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,628,480; May 10.
Thomas, Harry W., Indiana, Pa. Dish or analogous article. Des. 72,641; May 10.
Thompson, Howard A., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,628,287; May 10.
Thompson, Lewis I., Portland, Oreg. Machine for separating threads from fabric. 1,628,373; May 10.
Thompson, William H., Berkeley, Calif. Pump. 1,628,340; May 10.
Thomson, Judson L. Manufacturing Co. (See Havener, Arthur R., assignor.)
Thum, George E., Elizabeth, N. J. Cone carrier. 1,627,583; May 10.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,627,753; May 10.
Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)
Tingley, Stephen L., Nitro, W. Va. Apparatus for cracking and distilling hydrocarbon oils. 1,627,937; May 10.
Tingley, Stephen L., Nitro, W. Va. Oil distillation and cracking. 1,627,938; May 10.
Tisch, Rolland W., Grand Rapids, Mich. Bird house. 1,628,597; May 10.
Tishken, Paul, Detroit, Mich. Hinge. 1,627,584; May 10.
Titus, Helena J., New York, N. Y. Hexagonal cosmetic box. Des. 72,642; May 10.
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Tolhurst Machine Company. (See Bryson, Tandy A., assignor.)
Tompkins, Lewis R., Atlantic City, N. J., assignor of one-half to G. H. Shea, Quarryville, Pa. Closure member. 1,628,011; May 10.
Tonne, Joseph A., Cincinnati Ohio. Automobile apparatus. 1,628,374; May 10.
Towles, Eugene L. (See Towles, William J., E. L., and G. M.)
Towles, George M. (See Towles, William J., E. L., and G. M.)
Towles, William J., E. L., and G. M., Los Angeles, Calif. Water heater. 1,628,341; May 10.
Townsend, Otto H., assignor to Walker & Co., Detroit, Mich. Mold for footings. 1,627,754; May 10.
Tracy, Harmon N., Los Angeles, Calif. Process and apparatus for metallizing ores. 1,628,012; May 10.
Traub, Alexander S., Yonkers, N. Y. Exhibit mount for stamps, etc. 1,627,624; May 10.
Trickey, John P., Evanston, assignor to The Quaker Oats Company, Chicago, Ill. Coloring material. 1,627,939; May 10.
Tri-Ergon Limited. (See Vogt, H., Engl, and Massolle, assignors.)
Triolo, Louis, Brooklyn, N. Y. Box-making machine and the making of boxes. 1,627,874; May 10.
Triska, Joseph, Omaha, Nebr. Radiator. 1,628,288; May 10.
Trout, Walter M., and C. B. Des Jardins, assignors to Budd Wheel Company, Philadelphia, Pa. Metal vehicle wheel. 1,627,717; May 10.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Double-circuit starting and generating system. 1,628,079; May 10.
Tuthill, Henry G., Los Angeles, Calif. Signal. 1,627,625; May 10.
Tuttle, Arthur J., et al. (See Myers, Joseph W., assignor.)
Twedt, Mandius R., Portland, Oreg. Revolving tray for dining tables. 1,628,013; May 10.
Tyson, Andrew H., Washington, D. C. Method of and mechanism for perforating plastic material. 1,628,342; May 10.
Tyson, William M., Lanett, Ala., assignor of one-fourth to R. J. Jennings, West Point, Ga. Filling-end clearer. 1,628,565; May 10.
U. S. F. Powder Company. (See du Pont, Francis and E., assignors.)
Underwood, Jesse J., assignor of one-half to J. B. Antonette, Tacoma, Wash. Electric water heater. 1,627,875; May 10.
Underwood Typewriter Company. (See Campbell, George W., assignor.)
Underwood Typewriter Company. (See Vickers, Harry H., assignor.)

Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Apparatus for refining metals. 1,628,375; May 10.
Union Metal Manufacturing Company, The. (See Ebel, G. F., and Zink, assignors.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Switch & Signal Company, The. (See Zierdt, Conrad H., assignor.)
United Autograph Register Company. (See Jensen, Louis, assignor.)
United Engineering & Foundry Company. (See Walters, Harry E., assignor.)
United Shoe Machinery Corporation. (See Morrill, Charles H., assignor.)
United Shoe Machinery Corporation. (See Phelan, Merton D., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
United States Gauge Company. (See McClelland, Bert, assignor.)
United States Glass Company. (See Northwood, Charles O., assignor.)
United States Gypsum Company. (See Brookby, Harry E., assignor.)
U. S. Light & Heat Corporation. (See Turbayne, William A., assignor.)
United States Specialty Corporation. (See Lundquist, Hans, assignor.)
United States Train Signal Company. (See Stafford, Earl C., assignor.)
Universal Candy and Chocolate Machinery Company. (See Segrin, O. E., and Clemens, assignors.)
Universal Milking Machine Co. (See Beaty, Bruce F., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Pollock, Robert T., assignor.)
Urch, Raymond G., Allegan, Mich. Universal joint. 1,627,940; May 10.
Urschel, Bertis H., Bowling Green, Ohio. Broaching machine. 1,627,755; May 10.
Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Balanced let-off for looms. 1,627,813; May 10.
Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Electric furnace. 1,628,376; May 10.
Van Leunen, Edgar, Long Beach, Calif. Can-top remover. 1,628,080; May 10.
Vernay, Jean B., Villeurbanne, France. Drying drum. 1,628,481; May 10.
Vershofen, Wilhelm, Bamberg, Germany. Production of ceramic products. 1,628,522; May 10.
Vesta Battery Corporation. (See Angell, Chester M., assignor.)
Vicars, Edward L. (See Vicars, Thomas and E. L.)
Vicars, Thomas and E. L., Earlestown, England. Biscuit or like embossing and cutting machine. 1,627,679; May 10.
Vickers, Harry H., Corona, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,628,081; May 10.
Vickers Limited. (See Childs, James, assignor.)
Vickers Limited. (See Scarff, Frederick W., assignor.)
Victor Casket Hardware Co. (See Pahlow, Gustav C., assignor.)
Victor X-Ray Corporation. (See Wantz, Julius B., assignor.)
Villaret, Gustave E., Leonia, N. J., assignor to H. Hilfman, New York, N. Y. Chandelier. Des. 72,643; May 10.
Villaret, Gustave E., Leonia, N. J., assignor to H. Hilfman, New York, N. Y. Chandelier. Des. 72,644; May 10.
Villaret, Gustave E., Leonia, N. J., assignor to H. Hilfman, New York, N. Y. Adapter for lighting fixtures or similar articles. Des. 72,645; May 10.
Villaret, Gustave E., Leonia, N. J., assignor to H. Hilfman, New York, N. Y. Fixture body for lighting fixture or similar article. Des. 72,646; May 10.
Villaret, Gustave E., Leonia, N. J., assignor to H. Hilfman, New York, N. Y. Canopy ring for lighting fixtures or similar articles. Des. 72,647; May 10.
Vincke, Enrique, assignor to Manufacturas de Corcho, S. A., Barcelona, Spain. Composite cork disk. 1,628,082; May 10.
Vissering, Harry, Kenilworth, assignor to The Okadee Company, Chicago, Ill. Locomotive front end support. 1,627,756; May 10.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Treatment of cement raw materials in rotary kilns. 1,627,585; May 10.
Vogt, Benedict F., Louisville, Ky. Refrigerator. 1,628,083; May 10.
Vogt, Hans, Berlin-Schoneberg, and J. Engl and J. Massolle, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Controlling amplitude of high-frequency oscillations. 1,628,377; May 10.
Vollmann, Carl W., Montreal, Quebec, Canada. Valve for gas compressors. 1,627,680; May 10.
Von Elm, William, Brooklyn, N. Y. Combined baking pan, cooking utensil, and mold. 1,627,757; May 10.
Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,628,626; May 10.
Wahlberg, John, New York, N. Y. Phonograph. 1,628,289; May 10.
Wait, Bertrand H., New Rochelle, N. Y. Pavement and process of constructing pavements. 1,628,482; May 10.
Waitkus, Vincent, Baltimore, Md. Yarn cleaner. 1,628,523; May 10.
Walch, Jacob S., Oakland, Calif. Lifting device. 1,628,084; May 10.
Walker & Co. (See Townsend, Otto H., assignor.)
Walker, George H., assignor to Heenan and Froude Limited, Worcester, England. Absorption brake dynamometer. 1,627,586; May 10.
Wall, William G., assignor to Rectifier Manufacturing Company, Indianapolis, Ind. Oil rectifier. 1,628,085; May 10.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,628,290; May 10.
Wallace, Marcel, assignor to Electro-Laboratories, Inc., New York, N. Y. Radio receiving apparatus. 1,627,758; May 10.
Wallace, William S., et al. (See Peale, Richard, assignor.)
Wallace, William S., et al., trustees. (See Davis, Kenneth, assignor.)
Walsh, James J., Kansas City, Mo. Adjustable waist pattern. 1,628,343; May 10.
Walsh, Patrick J., Morris, Ill. Radiator attachment. 1,628,344; May 10.
Walters, Harry E., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Chilled-iron roll. 1,627,626; May 10.
Wantz, Julius B., assignor to Victor X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,628,014; May 10.
Wappler, Reinhold H., Yonkers, N. Y. Surgical instrument. 1,627,941; May 10.
Ward, Delos E. (See Johnson, Andrew A., assignor.)
Ward-Love Pump Corporation. (See Johnson, Oscar W., assignor.)
Ward's Products Co. (See Dissette, John W., assignor.)
Ware, Charles A., and A. Deichmiller, Pasadena, Md. Nonskid chain. 1,627,587; May 10.
Ware, Paul, assignor to Ware Radio, Inc., New York, N. Y. Radiotelephony. 1,627,718; May 10.
Ware Radio, Inc. (See Ware, Paul, assignor.)
Warner, Clarence, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,628,086; May 10.
Warren, John S., Sun, Miss. Cane stripper. 1,628,087; May 10.
Watson-Stillman Co., The. (See Nitchie, Hubbard D., assignor.)
Watson-Stillman Co., The. (See Wigtel, Carl, assignor.)
Watson, Thomas S., Milwaukee, assignor to Kohler Company, Kohler, Wis. Automatic generating plant. 1,627,942; May 10.
Waubob, Orvil, Sioux City, Iowa. Manifold heater. 1,627,759; May 10.
Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Pavement-finishing machine. 1,628,088; May 10.
Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Automatic discharge for concrete mixers. 1,628,378; May 10.
Weber, Frank R., Troy, assignor to Mohawk Brush Company, Albany, N. Y. Hairbrush. 1,628,291; May 10.
Weber, Mathias J., assignor to Continental Scale Works, Chicago, Ill. Scale. 1,628,205; May 10.
Weeks, Elling O., Milwaukee, Wis. Radiator reflow device. 1,627,814; May 10.
Weibler, Carleton T., La Grange, assignor to All-American Radio Corporation, Chicago, Ill. Radio battery charger. 1,627,815; May 10.
Weidner, Nathan, Brooklyn, N. Y. Beverage container. Des. 72,648; May 10.
Weis, George G., Brooklyn, N. Y., assignor to Blaisdell Pencil Company, Philadelphia, Pa. Pencil sharpener. 1,628,089; May 10.
Weiss, Howard F., and R. F. Norris, Madison, Wis., assignors, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Molded product and its manufacture. 1,628,206; May 10.
Weiss, Johannes, Leipzig, Germany. Sound-insulating plate sheet, or slab. 1,628,090; May 10.
Wellington, Arthur W., assignor to The Chase Companies Inc., Waterbury, Conn. Rocking-handle flush-tank fitting. 1,627,943; May 10.
Wells, Burling D. (See Blair, R. S., and Wells.)
Wells, Charles G., et al. (See Marvin, Samuel W., assignor.)
Wells, Joel B., Philadelphia, Pa. Skirt gauge. 1,627,588; May 10.
Welsher, Samuel I., New York, assignor, by mesne assignments, to F. A. Bower, Bayside, N. Y. Washing compound. 1,628,015; May 10.

Wermes, Frederick J., Norwood, assignor to S & W Machine Company, Cincinnati, Ohio. Printed sheet-delivery attachment for printing presses. 1,628,292; May 10.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,649; May 10.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,650; May 10.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,651; May 10.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,652; May 10.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,653; May 10.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,654; May 10.
West Virginia Pulp and Paper Company. (See Drewsen, Viggo, assignor.)
Western Cartridge Company. (See Olin, J. M., and O'Neil, assignors.)
Western Cartridge Company. (See Olin, J. M., Davis, and Smith, assignors.)
Western Cartridge Company. (See O'Neil, Arthur S. assignor.)
Western Coil & Electrical Co. (See Eells, Milton M., assignor.)
Western Electric Company. (See Casper, W. L., and Field, assignors.)
Western Electric Company. (See Hosford, William F., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Western Wheeled Scraper Company et al. (See Flanagan, William A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Landon, Vernon D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mallory, E. B., and Roth, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Weyand, George W. (See Ludwig, Nicholas U., assignor.)
Wheeler, John L., St. Louis, E. A. Reed, Maplewood, and G. C. Hosch, assignors to The Measuregraph Company, St. Louis, Mo. Retail and wholesale fabric measuring machine. 1,628,091; May 10.
Whitaker, Carlos M., Ghent, Ky. Gate-operating mechanism. 1,628,092; May 10.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Automatic control system. 1,628,379; May 10.
White, Arthur K., Zarephath, N. J. Bathroom unit. 1,628,345; May 10.
White, Ernest C., assignor to Electric Outlet Company, Inc., New York, N. Y. Adapter for fixture-supporting devices. 1,627,944; May 10.
White, George S., Los Angeles, Calif. Therapeutic device. 1,628,207; May 10.
White Motor Company, The. (See Teachout, John H., assignor.)
White, William C., Schenectady, N. Y., assignor to General Electric Company. Indicating apparatus. 1,628,444; May 10.
White, William H., Chicago, Ill. Match box holder or the like. 1,628,208; May 10.
White, William W., Los Angeles, Calif. Sash lock and counterbalance. 1,628,346; May 10.
Whitehead, Thomas C., Detroit, Mich. Float chamber. 1,628,293; May 10.
Whitelegg, Robert H., Manchester, England. Steam locomotive. 1,628,016; May 10.
Whitin Machine Works. (See Morgan, William T., assignor.)
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Thermal limit relay. 1,627,816; May 10.
Whittle, Alexander, Kearny, N. J. Current motor. 1,627,589; May 10.
Wickland, Algot A., Chicago, Ill. Coal pulverizer. 1,628,294; May 10.
Wickland, Algot A., Chicago, Ill. Pulverizer. 1,628,295; May 10.
Wicks, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Measured-service telephone system. 1,628,093; May 10.
Wiegand, George H. and V. E., Denver, Colo. Ear protector. 1,628,483; May 10.
Wiegand, Viola E. (See Wiegand, George H. and V. E.)
Wigle, Wilson B., Long Beach, Calif. Casing head for oil wells. 1,627,945; May 10.
Wigtel, Carl, Brooklyn, assignor to The Watson-Stillman Co., New York, N. Y. Hydraulic pressing apparatus. 1,628,094; May 10.
Wilcolator Company, The. (See Fonseca, Edward L., assignor.)
Wilcox, Edson B., Meriden, Conn. Signal for chokers and the like. 1,628,209; May 10.
Wilcox, Merrill M., deceased; A. E. Snow, administrator, assignor, by mesne assignments, to Wilcox Products Corporation, Saginaw, Mich. Tappet. 1,628,017; May 10.
Wilcox Products Corporation. (See Wilcox, Merrill M., assignor.)
Wilcoxon, Frank, Ithaca, N. Y., and B. Grotta, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Manufacture of sodium azide. 1,628,380; May 10.
Wild, Charles H., Baltimore, Md., assignor to Burt Machine Company, Incorporated. Can-labeling machine. 1,627,946; May 10.
Wilkerson, Cooper W., Birmingham, Ala. Telephone switch. 1,628,018; May 10.
Wilkinson, Samuel W., Westminster, London, assignor to Zair Syndicate, Limited, London, England. Dyeing of animal fibers and fabrics of a protein nature. 1,628,484; May 10.
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Willcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
Williams, James B., Tampa, Fla. Over-water craft. 1,627,876; May 10.
Williams, William E., Brooklyn, N. Y. Try cock. 1,628,566; May 10.
Williams, William H., Marlin, Tex. Light control. 1,628,567; May 10.
Willig, Robert P., Pittsburgh, Pa. Window screen. 1,628,485; May 10.
Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Measured-service telephone system. 1,628,381; May 10.
Willis, Durward E., Springfield, Ill. Piston for internal-combustion engines. 1,627,719; May 10.
Willson Goggles, Inc. (See Shindel, Harry F., assignor.)
Willy, Walter M., Pukwana, S. Dak. Reatomizing device for internal-combustion engines. 1,627,627; May 10.
Willys-Overland Company, The. (See Jerdone, Francis, jr., assignor.)
Wilson, Robert N., Colegrove, Pa. Chain tightener. 1,628,019; May 10.
Wilson, William E., Mason City, Iowa, and H. G. Lykken, Minneapolis, Minn. Single fire-box kiln. 1,627,720; May 10.
Wilt, John J., Bakersfield, Calif. Vapor condenser. 1,628,210; May 10.
Winslow, Harry F., Brooklyn, N. Y. Grinding viscous materials. 1,627,211; May 10.
Winterer, Frank J., Philadelphia, Pa. Load lifter. 1,628,212; May 10.
Winterton, Arthur H. (See Johnson, E. H., and Winterton.)
Wired Radio, Inc. (See Crossley, Alfred, assignor.)
Wired Radio, Inc. (See Taylor, Albert H., assignor.)
Witz, Albert, Philadelphia, Pa. Wearing apparel. 1,628,213; May 10.
Wolf, Ezekiel, assignor, by mesne assignments, to H. V. Hayes, trustee, Boston, Mass. Determining the error in watches, clocks, and other devices. 1,628,214; May 10.
Wolfard, Merl R., Cambridge, Mass., assignor to Hopewell Brothers (a Copartnership) Watertown, Mass. Thermostatic control for carburetors. 1,627,947; May 10.
Wolfe, Dell H., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Method and apparatus for grooving and flanging tug rims. 1,628,568; May 10.
Wolfe Improved Rotary Rod Weeder. (See Bergloff, Andrew E., assignor.)
Wolff, Louis, assignor to Crane Co., Chicago, Ill. Portable drain board. 1,627,721; May 10.
Wood Conversion Company. (See Payzant, Henry H., assignor.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Casting and finishing machine for curved stereotype printing plates. 1,627,817; May 10.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Paul G., Hilliards, Ohio. Windshield screen. 1,627,760; May 10.
Wood, William, Glenrock, Wyo., assignor to Perfection Stove Company, Cleveland, Ohio. Oil burner. Re16,628; May 10.
Woodall-Duckham Limited. (See Smith, E. W., and Finlayson, assignors.)
Woodard, William E., Forest Hills, N. Y. Locomotive. 1,628,095; May 10.
Woodruff, Henry S., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Winding machine and method. 1,627,681; May 10.
Woods, Lee A., et al. (See Daugherty, Claude, assignor.)
Woodsome, John O., New York, N. Y. Steam-circulating fitting. 1,628,882; May 10.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,627,761; May 10.
Worth, Clemens S., Los Angles, Calif., assignor, by mesne assignments, to E. G. Burghard. Compressor. 1,628,096; May 10.
Worth, Clemens S., Los Angeles, Calif., assignor, by mesne assignments, to E. G. Burghard. Piston. 1,628,097; May 10.

Worthington, Walter S., London, England. Screening of coils carrying high-frequency currents. 1,628,569; May 10.
Wyckoff, Alvin, Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y. Coloring machine. 1,628,020; May 10.
Wyzalek, John F., Arlington, N. J., assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for heat treating steel articles. 1,627,682; May 10.
Yenofkian, George, Lawrence, Mass. Writer's guide. 1,628,347; May 10.
Young, Arthur P., Kenilworth, England, assignor to General Electric Company. Telephone receiver. 1,628,383; May 10.
Youngblood, John R., New Orleans, La. Telegraph transmitter. 1,627,819; May 10.
Zair Syndicate, Limited. (See Wilkinson, Samuel W., assignor.)
Zarobsky, Charles A., assignor to the Simplex Cap Company, Cleveland, Ohio. Closure. 1,627,762; May 10.
Zdvoracek, Joseph, St. Louis, Mo. Sole-fudging attachment for sole-cutting machines. 1,627,878; May 10.
Zelger, Georges E., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Obtaining direct positives by reversal. 1,628,445; May 10.
Ziegler, Ferdinand J., Topeka, Kans. Milk strainer. 1,628,021; May 10.
Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train-carried receiver for automatic train-control systems. 1,628,296; May 10.
Zimmerman, Harry C., Washington, D. C. Control valve for recuperator mechanisms. 1,627,818; May 10.
Zink, Frederick M. (See Ebel, G. F., and Zink.)
Zink, Norbert, Pueblo, Colo. Railway crossing. 1,627,877; May 10.
Zolline, Orrin B., assignor to Brand & Oppenheimer, Incorporated, New York, N. Y. Slitting machine. 1,628,215; May 10.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene generator, Portable. W. C. Swift. 1,627,581; May 10.
Acid, Purification of abietic. G. H. Dupont. 1,628,535; May 10.
Acid, Purification of burned gases and for obtaining chemically pure sulphuric. M. Krafft. 1,627,977; May 10.
Address plate. H. C. Osborn. 1,628,630; May 10.
Address plates, Identification means for. H. C. Osborn. 1,628,631; May 10.
Addressing machine. C. Chisholm. 1,627,687; May 10.
Addressing machine. L. H. Morse. 1,627,662; May 10.
Adhesive tape, Device for moistening. S. Bergstein. 1,628,221; May 10.
Advertising device, Rotating. E. Ruegger. 1,628,432; May 10.
Advertising stand. G. A. Sherman. 1,627,751; May 10.
Aeroplane. J. S. Breu. 1,628,098; May 10.
Aeroplanes, Aerial landing harp for. N. A. McCully. 1,627,614; May 10.
Aeroplanes, Torpedo-launching means for. F. W. Hammer. 1,627,968; May 10.
Agricultural implement. C. H. Krengel. 1,628,158; May 10.
Agricultural implements, Attachment for. E. M. Cole. 1,627,954; May 10.
Air bag, Sectional. R. S. Burdette. 1,628,304; May 10.
Air-compression plant, Hydraulic. J. O. Boving. 1,628,025; May 10.
Aircraft design. J. L. MacVicar. 1,627,856; May 10.
Aircraft, Gun mountings for use on. F. W. Scarff. 1,628,068; May 10.
Aircraft, Wing structure for. A. Tammeo. 1,628,625; May 10.
Air-inspiring plant, Hydraulic. J. O. Boving. 1,628,026; May 10.
Airplane checker. D. B. Finlay. 1,628,134; May 10.
Alarm system. W. J. Luse. 1,627,612; May 10.
Alloy. C. A. Kraus and C. C. Callis. 1,628,050; May 10.
Aluminum surfaces, Coating. E. H. Hewitson. 1,627,900; May 10.
Alunite, Treating. T. A. Mitchell. 1,628,174; May 10
Amplitude of high-frequency oscillations, Controlling. H. Vogt, J. Engl, and J. Masselle. 1,628,377; May 10.
Anchoring device. M. C. Lyddane. 1,628,253; May 10.
Anchoring device. J. O. and G. Meredith. 1,628,550; May 10.
Angular motion, Reproducing relative. E. M. Hewlett and W. W. Willard. 1,628,463; May 10.
Antiglare device. B. L. Noyes. 1,628,551; May 10.
Apparel, Wearing. A. Wilts. 1,628,213; May 10.
Arch support, Athletic. F. T. Cutshaw. 1,627,596; May 10.
Arch supporter. O. J. Le Boeuf. 1,628,161; May 10.
Armament, System of mobile. L. W. Luellen. 1,628,165; May 10.
Ash receptacle. H. G. Jorgensen. 1,627,907; May 10.
Assembling articles to be packed, Apparatus for. M. J. Milmoe. 1,628,596; May 10.
Attaching machine. W. E. Elliott. 1,627,889; May 10.
Attaching means. D. T. Moats. 1,627,802; May 10.
Attachment device. F. J. Shook. 1,627,670; May 10.
Automatic handle. W. E. Baxter. 1,627,880; May 10.
Automobile apparatus. J. A. Tonne. 1,628,374; May 10.
Automobile light. H. R. Shearer. 1,627,669; May 10.
Automobile locking apparatus. T. Miller. 1,628,469; May 10.
Automobile wheels, Nonslip attachment for. J. D. Ross. 1,627,806; May 10.
Automobiles and other vehicles, Spring wheel for. H. Hill. 1,628,594; May 10.
Automobiles and the like, Window ventilator for. A. D. McTighe. 1,628,053; May 10.
Automobiles, Stop signal for. G. May. 1,627,659; May 10.
Bag: *See*—
Air bag.
Bag-delivering machine. E. Blacker. 1,628,301; May 10.
Bag-filling machine. L. D. Nelson. 1,628,179; May 10.
Bag-filling machine. L. D. Nelson. 1,628,269; May 10.
Baking pan, cooking utensil, and mold, Combined. W. von Elm. 1,627,757; May 10.
Baking pan, Reenforced drawn. A. Katzinger. 1,627,650; May 10.
Baling machine. L. W. Hurff. 1,627,904; May 10.
Bank, Home savings. V. P. Alexander. 1,627,822; May 10.
Barber's comb. J. W. Burke. 1,628,577; May 10.
Bark peeler. H. R. Hills. 1,627,901; May 10.
Basket. C. R. Mori. 1,628,176; May 10.
Bathroom unit. A. K. White. 1,628,345; May 10.
Battery filler. J. Taylor. 1,628,564; May 10.
Battery-plate filling machine. C. M. Angell. 1,627,763; May 10.
Battery-plate pasting machine. C. M. Angell. 1,627,764; May 10.
Battery-plate puller. J. Taylor. 1,628,563; May 10.
Beach chair. N. G. Perry and L. L. Hanson. 1,628,472; May 10.
Bearing. R. R. Bloss. 1,628,571; May 10.
Bearing-assembling device, Ball. R. E. Gamble. 1,627,965; May 10.
Bearing, Underground. A. E. Bergloff. 1,628,022; May 10.
Bed and the like, Day. S. J. Lavezzi. 1,627,609; May 10.
Bedpan. M. E. Northrop. 1,627,571; May 10.
Bed, Pneumatic. R. L. Combs. 1,627,835; May 10.
Bedspring. D. Hanauer. 1,628,462; May 10.
Beds, Supporting and concealing folding. H. L. Monroe and W. Cramer. 1,628,418; May 10.
Bell. A. F. Lake. 1,628,367; May 10.
Belt guide, Automatic. B. Ross. 1,628,614; May 10.
Bending apparatus, Multiple. F. J. L. Dinkel. 1,628,581; May 10.
Beverage container. C. M. Cordley. Des. 72,593; May 10.
Beverage container. N. Weidner. Des. 72,648; May 10.
Billiard-cue chalking device. A. R. Peterson. 1,627,573; May 10.
Binder, Loose-leaf. E. L. Persons. 1,627,864; May 10.
Binder, Temporary. J. S. Lacey. 1,628,159; May 10.
Bird house. R. W. Tisch. 1,628,597; May 10.
Bit: *See*—
Drill bit.
Blank-feeding mechanism. M. J. Milmoe. 1,627,920; May 10.
Blasting. W. O. Owen. 1,627,991; May 10.
Block: *See*—
Reduction block.
Blouse, Knitted. S. Braunstein. Des. 72,591; May 10.
Blower. G. W. Allen. 1,628,216; May 10.
Board: *See*—
Aquatic sign board. Drain board.
Bobbin clutching means for rotatable spindles. J. A. Miller. 1,628,054; May 10.
Bobbin, Winding. H. V. N. Snyder. 1,627,933; May 10.
Body applicator. J. H. Paul. 1,627,618; May 10.
Boiler: *See*—
Superheater boiler. Water-tube boiler.
Boiler compound. F. Robinson. 1,628,514; May 10.
Bolt. H. A. Lomason. 1,627,912; May 10.
Bottle. J. W. Dissette. Des. 72,604; May 10.
Bottle. J. C. May. Des. 72,630; May 10.
Bottle caps, Machine for manufacturing. H. A. Skov. 1,628,338; May 10.
Bottle, Perfume. G. Grunberg. Des. 72,620–22; May 10.
Bottle receptacle, Milk-. F. H. Braecklein. 1,628,575; May 10.
Bottle-stopper seal. H. G. Pepino. 1,628,555; May 10.
Box: *See*—
Fare box. Toy-truck box.
Flower box.
Box for face powder and the like. P. C. P. Booty. 1,628,106; May 10.
Box lids, Method of and apparatus for making. H. J. Goff. 1,627,894; May 10.
Box-making machine and the method of making boxes. L. Triolo. 1,627,874; May 10.
Boxes and box blanks, Producing. H. B. Smith. 1,627,811–12; May 10.
Bracelets, necklaces, and other articles of jewelry, Fastening for. A. Downes. 1,628,494; May 10.
Brake: *See*—
Coaster wagon brake. Vehicle brake.
Electric brake.
Brake-applying apparatus. C. S. Bushnell. 1,628,454; May 10.
Brake-applying apparatus. S. W. Dudley and C. S. Bushnell. 1,628,312; May 10.
Brake dynamometer, Absorption. G. H. Walker. 1,627,586; May 10.

Brake-operating mechanism. J. S. Payne. 1,628,060; May 10.
Brake-rod pins, Safety lock for. G. T. Cooke. 1,628,119; May 10.
Brake shoe. J. R. Cautley. 1,628,388; May 10.
Breaker, Automatic safety. L. A. Brown. 1,627,828; May 10.
Breathing apparatus. G. S. McCaa. 1,628,254; May 10.
Brick-kiln construction. W. W. Dickinson, jr. 1,627,598; May 10.
Bristle-pointing device. R. Izawa. 1,627,704; May 10.
Broaching attachment. C. C. Hansen. 1,627,737; May 10.
Broaching machine. B. H. Urschel. 1,627,755; May 10.
Broiler. J. J. Jones. 1,627,742; May 10.
Brush. A. E. Coyne. 1,627,634; May 10.
Brush, Back. J. J. Adkins. 1,628,023; May 10.
Brush machine. A. W. Le Boeuf. 1,627,787; May 10.
Bucket, Power-actuated. G. H. Strayer. 1,627,872; May 10.
Buckles, Removable crossbar for. I. R. Lederer. 1,628,504; May 10.
Buds and plants, Sprouting. F. E. Denny. 1,628,035; May 10.
Buffing wheels, Buff section for. R. E. Harrison. 1,627,969; May 10.
Building-wall construction and making the same. F. and L. Niles. 1,628,056; May 10.
Bumper. W. F. Schacht. 1,628,277; May 10.
Burner: *See*—
Fuel burner. Stump burner.
Oil burner.
Burner support. A. W. Morse. 1,628,470; May 10.
Cabinet, Filing. F. J. Dunn. 1,628,128; May 10.
Cable joint. D. M. Simons. 1,628,438; May 10.
Cake stand and like portable stand. E. S. Louis. 1,628,504; May 10.
Cakes, Device for icing. H. Carter. 1,627,630; May 10.
Calculating machine. C. L. Johnston. 1,628,154; May 10.
Calendar rack. F. M. Morton. 1,627,988; May 10.
Camera, Photographic. C. C. Balston. 1,627,722; May 10.
Camp box and bench, Combined. J. I. Smith. 1,628,072; May 10.
Can: *See*—
Rip-strip can.
Can-top remover. E. Van Leunen. 1,628,080; May 10.
Candy, Making. W. B. Laskey. 1,628,251; May 10.
Cane stripper. J. S. Warren. 1,628,087; May 10.
Cannon powder, Flashless. F. I and E. du Pont. 1,627,639; May 10.
Capsules, Apparatus for and manufacture and filling of. J. Schaub. 1,628,333; May 10.
Car, Ballast. W. A. Flanagan. 1,627,891; May 10.
Car check lock, Mine-. C. E. Bell. 1,628,525; May 10.
Car door-operating device, Hopper-. E. C. Mitchell. 1,627,801; May 10.
Car doors, Locking mechanism for sliding. F. Machava. 1,628,167; May 10.
Car for high-speed suspension railways. F. Kruckenberg and F. Gentzcke. 1,628,595; May 10.
Car heater. H. Hellweg. 1,627,560; May 10.
Car, Hopper. P. Klemoff. 1,628,156; May 10.
Car, Railway motor. H. E. Robeson. 1,628,513; May 10.
Car truck. G. A. Anderson. 1,628,298; May 10.
Cars, Corner post for freight. R. J. Magor. 1,627,981; May 10.
Cars, Partition end for freight. R. J. Magor. 1,627,980; May 10.
Cars, Safety system for railway. H. Bowntree. 1,627,748; May 10.
Carburetor. W. Grikscheit. 1,627,845; May 10.
Carburetors, Apparatus for controlling the air supply of. C. R. Lyman. 1,628,506; May 10.
Carburetors, Control for. M. J. B. Barbarou. 1,627,951; May 10.
Carburetors, Thermostatic control for. M. R. Wolfard 1,627,947; May 10.
Carrier: *See*—
Cone carrier. Tire carrier.
Mining-machine carrier.
Carrier distributing and selecting apparatus. J. G. MacLaren. 1,628,607; May 10.
Case: *See*—
Cigarette case.
Cash register. B. M. Shipley. 1,628,336; May 10.
Cash register and adding machine, Combined. W. L. Paden. 1,628,420; May 10.
Cash registers, Automatic ribbon-reversing mechanism for. W. E. Lippert. 1,628,164; May 10.
Casket handles, Lug for. G. C. Pahlow. 72,632; May 10.
Casting patterns, Machine for operating upon. E. E. Foster. 1,627,696; May 10.
Cellulose, Manufacture of granular. R. Magondeaux. 1,628,549; May 10.
Cement kiln-feeder. R. W. Ryder. 1,628,197; May 10.
Cement, Manufacture of. T. Rigby. 1,628,000; May 10.
Cement raw materials in rotary kilns, Treatment of. M. Vogel-Jorgensen. 1,627,585; May 10.
Cement, Treating wet raw materials in the manufacture of. J. S. Fasting. 1,627,553; May 10.
Cementitious material, Plastic. H. E. Brookby. 1,627,952; May 10.
Centrifugal machine. R. Lehky. 1,628,321; May 10.
Centrifugal machine. E. Roberts. 1,627,868; May 10.
Centrifugal machines, Safety guard for. T. A. Bryson. 1,628,303; May 10.
Ceramic products, Production of. W. Vershofen. 1,628,522; May 10.
Chain coupling. C. C. Haumerson. 1,627,776; May 10.
Chain manufacturing machinery. J. H. Hewitt and B. W. Harcourt. 1,627,972; May 10.
Chain, Nonskid. C. A. Ware and A. Deichmiller. 1,627,587; May 10.
Chain tightener. R. N. Wilson. 1,628,019; May 10.
Chair: *See*—
Beach chair.
Chandelier. G. E. Villaret. Des. 72,643–44; May 10.
Change-making device. F. Kinguley. 1,627,562; May 10.
Check-controlled machines, Slug detector for. A. A. Callie. 1,627,726; May 10.
Check protector. E. Reubens. 1,627,619; May 10.
Chess. I. L. Lesavoy. 1,628,412; May 10.
Chuck. H. E. Sloan. 1,628,476; May 10.
Chuck, Well-drilling. W. Sheldon. 1,628,283; May 10.
Cigar-banding machine. F. X. Malocsay. 1,627,794; May 10.
Cigar cutter. T. H. Anderson. 1,628,570; May 10.
Cigar tip cutter and cigar box. T. K. Macorn and J. A. Pozera. 1,627,790; May 10.
Cigarette case. D. W. Greene. 1,628,590; May 10.
Cigarette-packaging machines, Feeding mechanism for. I. Lagaga. 1,628,500; May 10.
Circuit closer. J. W. Davis. 1,628,579; May 10.
Circuit closer. J. A. Fiebiger. 1,627,962; May 10.
Circuit closer for relays, Electric. L. L. Call. 1,628,115; May 10.
Circuit closer, No-flow alarm. R. E. Hanson. 1,627,896; May 10.
Circuit starting and generating system, Double. W. A. Turbayne. 1,628,079; May 10.
Circuits, Control. P. W. Reynolds. 1,628,192; May 10.
Clamp: *See*—
Line clamp. Radius-rod clamp.
Clamp. C. E. Hathaway. 1,628,502; May 10.
Clamp. H. V. Steuernagel. 1,628,479; May 10.
Clamp machine. R. W. Burns. 1,628,112; May 10.
Clamping device, End-. R. W. Burns. 1,628,113; May 10.
Clayware, Method and apparatus for burning. W. D. Richardson. 1,628,273; May 10.
Cleaner: *See*—
Cotton-seed cleaner. Windshield cleaner.
Dairy-equipment cleaner. Yarn cleaner.
Cleaning device. W. H. Fliehmann. 1,628,585; May 10.
Cleaning device. H. L. Gray. 1,628,141; May 10.
Clip: *See*—
Concrete clip.
Clock, Coin-controlled. A. A. Johnson. 1,628,408; May 10.
Clocks or the like, Devices for illuminating. M. C. Fox. 1,628,497; May 10.
Closure. C. A. Zarobsky. 1,627,762; May 10.
Closure, Collapsible sliding. G. E. Petersen. 1,628,511; May 10.
Closure member. L. R. Tompkins. 1,628,011; May 10.
Clothes wringer. G. Pagano. 1,628,554; May 10.
Clutch mechanism. C. H. Benedict. 1,628,219; May 10.
Clutch mechanism. H. H. Kessler. 1,628,629; May 10.
Coal-grinding mill. M. W. Arrowood. 1,628,099; May 10.
Coaster-wagon brake. E. S. Showers. 1,628,559; May 10.
Cock or valve, Gas. F. W. Moore. 1,628,263; May 10.
Coils carrying high-frequency currents. Screening of W. S. Worthington. 1,628,569; May 10.
Coin-wrapping machine. C. L. Burdick. 1,628,576; May 10.
Coin wrapping machine. G. T. Gillette. 1,628,240; May 10.
Collar buster and casing spear, Combined. P. Dietrich. 1,628,533; May 10.
Coloring machine. A. Wyckoff. 1,628,020; May 10.
Coloring materials. J. P. Trickey. 1,627,939; May 10.
Comb: *See*—
Barber's comb.
Combustible material, Treating. R. C. Newhouse. 1,628,609; May 10.
Compass, Beam. D. E. Prenveille. 1,628,426; May 10.
Compass, Gyroscopic. H. C. Ford. 1,628,136; May 10.
Composition article and manufacture. W. J. Gaven. 1,628,400; May 10.
Compound gauge. B. McClelland. 1,628,169; May 10.
Compressor. C. S. Worth. 1,628,096; May 10.
Concentrator. E. H. Johnson and A. H. Winterton. 1,627,648; May 10.
Concrete and wooden bench, Combination. L. G. Haase. 1,628,362; May 10.
Concrete beams or ties, Casing or mold box for. B. Bauer. 1,628,385; May 10.
Concrete clip. R. E. Carrick. 1,628,228; May 10.
Concrete cribbing. E. H. Dresser. 1,627,599; May 10.
Concrete form. J. N. Heltsel. 1,628,316; May 10.
Concrete mixers, Automatic discharge for. G. E. Webb. 1,628,378; May 10.
Concrete work, Socket or receptacle for. A. S. Fishel and E. I. Goulder. 1,627,554; May 10.
Condenser, Surface. P. A. Bancel. 1,628,487; May 10.
Cone carrier. G. E. Thum. 1,627,583; May 10.

Confection, Coated. D. M. Freeman. 1,627,641; May 10.
Confections, Implement for making coated. D. M Freeman 1,627,642; May 10.
Container. M. A. Ferst. 1,628,133; May 10.
Container. P. J. Kroll. 1,627,851–2; May 10.
Control levers, Mounting for. O. E. Hunt. 1,627,777; May 10.
Control system, Automatic. F. P. Whitaker. 1,628,379; May 10.
Control system, Prime-mover. C. B. Taylor. 1,628,621; May 10.
Conveyer belt and guiding the same. O. E. Segrin and C. J. Clemens. 1,628,436; May 10.
Conveyer lubricator. G. E. Petersen. 1,628,512; May 10.
Cooking apparatus, Electrical. M. J. De Roos. 1,628,310; May 10.
Cooking receptacles, Cutlery holder for. A. Rovelli. 1,627,575; May 10.
Cooking utensil. T. Geffas. 1,628,360; May 10.
Cooler: *See*—
Water cooler.
Cop tube. J. Frans. 1,628,457; May 10.
Cork disk, Composite. E. Vincke. 1,628,062; May 10.
Corn-husking machine. W. W. Morral. 1,628,325; May 10.
Corn-husking machine and method. R. Cover. 1,627,838; May 10.
Corn shredder and husker. H. P. Grossman. 1,628,461; May 10.
Corner mounts, Machine for making. L. S. Riley. 1,627,667; May 10.
Cotton and hull separator. C. A. Brust. 1,628,451; May 10.
Cottonseed cleaner. C. G. Kime. 1,627,782; May 10.
Coupling: *See*—
Chain coupling. Pipe coupling.
Drawbar coupling. Tractor-drawbar coupling.
Coupling device. S. M. Chase. 1,627,885; May 10.
Craft, Over-water. J. B. Williams. 1,627,876; May 10.
Crank cases, Electric heater for. J. H. Loper. 1,627,564; May 10.
Crank shaft. C. R. Short. 1,627,809; May 10.
Cranes, Trolley construction for. G. E. Moore. 1,627,746; May 10.
Crinkle to warp threads, Device for imparting. W. K. Gunter. 1,628,142; May 10.
Crusher. C. G. Sprado. 1,628,619; May 10.
Cultivator. J. H. Nixon. 1,628,181; May 10.
Cultivator, Cotton. C. Jones. 1,628,542; May 10.
Cultivator, Seat-guide. J. P. Seaholm. 1,628,435; May 10.
Curette. S. F. Robinson. 1,628,275; May 10.
Current motor. A. Whittle. 1,627,589; May 10.
Cut-out, Automatic. C. M. Starr. 1,628,339; May 10.
Cutter: *See*—
Cigar cutter.
Cutting machine, Biscuit or like embossing and. T. Vicars and E. L. Vicars. 1,627,679; May 10.
Cutting tool. C. E. Hamilton. 1,628,315; May 10.
Cylinder cock. J. G. Blunt. 1,628,024; May 10.
Dairy-equipment cleaner. B. F. Beatty. 1,627,824; May 10.
Damper regulator. J. V. Giesler. 1,628,140; May 10.
Dental appliance. B. Joesch. 1,628,499; May 10.
Dental casting device. J. C. Shottom. 1,628,437; May 10.
Desk set and pencil sharpener. K. A. Johnson. 1,627,705; May 10.
Detonator igniter terminals, Method of and apparatus for forming. J. M. Olin, V. L. Davis, and J. B. Smith. 1,627,860; May 10.
Diaphragm for loud speakers, Utilising fabric of aircraft as. J. M. Coburn and B. Knapp. 1,628,230; May 10.
Die-casting machine. T. C. Korsmo. 1,627,784; May 10.
Dilator. A. F. Reitz. 1,628,272; May 10.
Dipping machine, Automatic. S. S. Roby. 1,628,431; May 10.
Direction and temperature indicating device. C. E. Swenson. 1,628,006; May 10.
Dish or analogous article. H. W. Thomas. Des. 72,641; May 10.
Disintegrator. G. W. Nelson. 1,628,419; May 10.
Dispatch systems, Pressure-control mechanism for pneumatic. J. T. Cowley. 1,628,600; May 10.
Dispensing device. G. A. Hultenius. 1,627,647; May 10.
Dispensing service. W. A. Seidemann. 1,627,870; May 10.
Display container. J. Staubly. 1,628,439; May 10.
Display cover. G. A. Taylor. 1,628,204; May 10.
Display rack for face powders. T. A. Hoops. 1,628,146; May 10.
Display rack, Linoleum. H. F. Klein. 1,627,783; May 10.
Display stand. A. Karnicker and G. Engel. 1,627,652; May 10.
Distribution of intelligence, System of. L. M. Dieterich. 1,628,126; May 10.
Dog races, Disappearing rabbit for. J. L. Shaughnessy. 1,628,518; May 10.
Doll. C. Stein and W. M. Heller. Des. 72,640; May 10.
Doll manufacture, Wig for. P. Harris. 1,628,591; May 10.
Door and step, Manually operable. H. Rowntree. 1,627,749; May 10.
Door catch. K. H. Beck and E. H. Blackburn. 1,627,825; May 10.
Door fastener. S. J. Small. 1,627,752; May 10.
Door, Granary. B. S. Badura. 1,627,548; May 10.
Door holder. F. A. Letzau. 1,628,502; May 10.
Door panel, Movable. H. P. Stevens. 1,627,579; May 10.
Doors, Lever-control bolt for. J. Pokorney. 1,628,473; May 10.
Draft appliance. C. Daugherty. 1,628,123; May 10.
Draft regulator. C. Prichard. 1,628,428; May 10.
Draft sill. C. M. House. 1,628,048; May 10.
Draft yoke. W. McConway, jr. 1,628,170; May 10.
Drain board, Portable. L. Wolff. 1,627,721; May 10.
Drawbar coupling. T. Franks. 1,628,587; May 10.
Drawbar support, Antifriction. E. E. Duffy. 1,628,356; May 10.
Dredging pipes, Coupling sleeve for. N. C. Bray. 1,628,302; May 10.
Drill: *See*—
Rock drill.
Drill bit, Rock. W. J. Kirby. 1,627,909; May 10.
Drilling apparatus. F. F. Davis. 1,628,033; May 10.
Drilling machine of well-boring apparatus, Rotary-. J. Childs. 1,628,032; May 10.
Drilling machine, Rotary-. H. M. Harris and O. H. Attridge. 1,628,363; May 10.
Driving box mounting. W. R. Blackley and R. M. Meredith. 1,628,223; May 10.
Drum, Drying. J. B. Vernay. 1,628,481; May 10.
Dust collector. R. F. Feind. 1,628,601; May 10.
Dyestuffs of the anthraquinone series, Vat. A. Holl. 1,627,738; May 10.
Ear protector. G. H. and V. E. Wiegand. 1,628,483; May 10.
Earth-working implement. J. B. Smith. 1,628,562; May 10.
Elastic webbing. H. S. Guild. 1,628,361; May 10.
Elastic wheel. J. I. Duchâteau. 1,628,583; May 10.
Electric brake. O. F. Shepard. 1,628,202; May 10.
Electric circuit closing plug. F. Dominick. 1,628,636; May 10.
Electric furnace. I. R. Valentine. 1,628,376; May 10.
Electric key socket. C. S. Mallett and W. J. Aldis. 1,628,415; May 10.
Electric lights, Automatic switch for. A. Berth. 1,628,222; May 10.
Electric machine and winding therefor, Dynamo-. W. H. Powell. 1,628,611–13; May 10.
Electric machines, Control of dynamo-. A. A. Pollock. 1,628,425; May 10.
Electric motor. E. N. Baker. 1,627,949; May 10.
Electric plug. W. H. Clark. 1,627,594; May 10.
Electric switch. W. A. Atwood. 1,628,448; May 10.
Electric switch. J. D. Hilliard. 1,628,405; May 10.
Electric switch. G. B. Thomas. 1,628,480; May 10.
Electrical apparatus. C. Warner. 1,628,086; May 10.
Electrical mounting or connecter. P. L. Pendleton. 1,628,183; May 10.
Electrical structure. W. Dubilier. 1,628,627; May 10.
Electromagnet. C. D. Ainsworth. 1,627,821; May 10.
Electron device and operating. A. W. Hull. 1,628,466; May 10.
Electronic-discharge device. W. F. Hendry. 1,628,045; May 10.
Elevating apparatus. H. S. Germond, jr., and H. Green. 1,628,239; May 10.
Embossing machines, Latch for. A. H. Bates. 1,627,684; May 10.
Engine: *See*—
Internal-combustion engine. Steam engine.
Rotary engine.
Engine. J. R. McGiffert. 1,628,052; May 10.
Engines, Apparatus for lubricating internal-combustion. A. L. Clayden. 1,628,117; May 10.
Engines, Auxiliary fuel device for internal-combustion. R. H. Knapp. 1,627,563; May 10.
Engines, Cylinder for internal-combustion. H. Becker. 1,627,540; May 10.
Engines, Driving gear for locomotives equipped with internal-combustion. N. Dobrowolski and O. Günther. 1,628,492; May 10.
Engines, Fuel separator and vaporiser for the manifolds of internal-combustion. G. R. Davenport. 1,627,597; May 10.
Engines, Piston for internal-combustion. D. E. Willis. 1,627,719; May 10.
Engines, Reatomising device for internal-combustion. W. M. Willy. 1,627,627; May 10.
Excavator dippers, Mechanism for operating said controlling. G. T. Ronk. 1,627,869; May 10.
Exhausting machine. W. Koning. 1,628,410; May 10.
Explosive powder and making same. A. S. O'Neil. 1,627,863; May 10.
Explosive powder and making same, Smokeless. F. I. and E. du Pont. 1,627,691–93; May 10.
Explosive powder, Making a smokeless. F. I. and E. du Pont. 1,627,638; May 10.
Explosive powder, Smokeless. F. I. and E. du Pont. 1,627,694; May 10.
Eyecup, Expansible. H. F. Shindel. 1,627,578; May 10.
Fabric: *See*—
Wire fabric.

Fabric-measuring machine, Retail and wholesale. J. J. Wheeler, E. A. Reed, and G. C. Hosch. 1,628,091; May 10.
Fan, Exhaust. C. H. Keeney. 1,627,608; May 10.
Fare box. M. C. McElligott. 1,628,508; May 10.
Fastening device, Portable. J. Menchen. 1,627,709; May 10.
Fastening inseam, Metallic. C. C. Blake. 1,628,599; May 10.
Feed-bag holder. M. C. Lowden. 1,628,051; May 10.
Feed control, System of. H. H. Payzant. 1,627,925; May 10.
Feed stuff, Producing. C. S. Miner and G. Steerup. 1,627,921; May 10.
Feed-water heater. S. A. Moss. 1,628,471; May 10.
Feeding device. F. X. Malocsay. 1,627,792; May 10.
Feeding mechanism, Automatic. F. X. Malocsay. 1,627,793; May 10.
Fertilizer-distributing machine. A. W. Koch. 1,628,546; May 10.
Fertilizer distributor G. H. McTyre. 1,627,798; May 10.
Fertilizer distributors, Attachment for. E. M. Cole. 1,627,955; May 10.
Fibers and fabrics of a protein nature, Dyeing of animal. S. W. Wilkinson. 1,628,484; May 10.
Filing and posting system. C. N. Jackson. 1,628,320; May 10.
Filling cap, Self-closing safety. J. A. Shoup. 1,628,519; May 10.
Filling-end clearer. W. M. Tyson. 1,628,565; May 10.
Filling machine. L. D. Nelson. 1,628,177; May 10.
Filling machine. L. D. Nelson. 1,628,267–8; May 10.
Film-shifting machine. J. De Haes. 1,628,580; May 10.
Film which includes a layer of polymerized vinyl chloride, Laminated. R. L. Stinchfield. 1,627,935; May 10.
Filter, Air. F. K. Ewing and S. R. Cummings. 1,628,397; May 10.
Filter, Milk. R. A. Manning. 1,627,795; May 10.
Fire-alarm apparatus. C. E. Koontz. 1,628,547; May 10.
Fire-arch construction. J. L. Nicholson. 1,628,180; May 10.
Firearm. C. C. Loomis. 1,628,548; May 10.
Firearm, Automatic. J. M. Browning. 1,628,226; May 10.
Fire-box kiln, Single-. W. E. Wilson and H. G. Lykken. 1,627,720; May 10.
Fire extinguisher. P. G. MacGregor. 1,628,255; May 10.
Fire-producing device, Automatic. L. A. Nevière. 1,627,923; May 10.
Fireproof composition. A. McIntyre. 1,628,171; May 10.
Fires in the cargo spaces of vessels, Apparatus for detecting and extinguishing. H. S. Orr. 1,628,182; May 10.
Fish segregating, directing, timing, and turning apparatus. F. Heath. 1,627,899; May 10.
Fishing lure. E. A. Dahlquist. 1,627,637; May 10.
Fishing rods, Line guide for. P. A. Haberl. 1,627,643; May 10.
Fishing tool. P. G. Gates. 1,628,042; May 10.
Fixture-supporting devices, Adapter for. E. C. White. 1,627,944; May 10.
Flatiron. J. W. Myers. 1,627,922; May 10.
Float chamber. T. C. Whitehead. 1,628,293; May 10.
Float-operated switch. E. B. Smith. 1,628,003; May 10.
Flooring-end matcher. W. S. Sherman. 1,628,335; May 10.
Flower box, Irrigated. S. Ellis. 1,627,890; May 10.
Flower holder. R. G. Cowan. Des. 72,594–601; May 10.
Flower holder. M. Karabin, J. Skoczlek, and K. F. Mandl. 1,627,649; May 10.
Flower holder. W. A. Sinz. Des. 72,638; May 10.
Fluffing machine. P. E. Kronlund. 1,627,706; May 10.
Flush-tank fitting, Rocking-handle. A. W. Wellington. 1,627,943; May 10.
Fly swatter. J. Azamber. 1,628,486; May 10.
Folding table. H. J. Gilbert. 1,627,556–7; May 10.
Foodstuffs and the like, Apparatus for processing. C. H. Durkee. 1,627,770; May 10.
Foot, Artificial. G. M. Frink. 1,628,498; May 10.
Footings, Mold for. O. H. Townsend. 1,627,754; May 10.
Frame: *See*—
Side frame. Truck side frame.
Fruit-juice extractors, Molding. W. M. Bristol. 1,627,884; May 10.
Fuel burner, Centrifugal fluid-. F. S. Denison. 1,627,690; May 10.
Fuel-control system, Venturi-vacuum. M. C. Bright. 1,628,529; May 10.
Fuel, Gaseous. J. R. Rose. 1,628,067; May 10.
Fuel, Method of and apparatus for preparing, feeding, and burning pulverized. L. H. Bergman. 1,627,766; May 10.
Fuel vaporizer. W. E. Shore. 1,627,671; May 10.
Fur stretching and nailing device. S. Friedman. 1,628,588; May 10.
Furnace: *See*—
Electric furnace. Underfeed stoker furnace.
Furnace. J. L. Breese, jr. 1,627,591; May 10.
Furnace-arch and coking-shelf structure. C. J. Huber. 1,627,741; May 10.
Furnace-arch construction. L. H. Hosbein and R. D. Foltz. 1,628,318; May 10.
Furnace-arch construction. N. D. Stevens and L. H. Hosbein. 1,628,284; May 10.
Furnace regulation. G. H. Gibson. 1,627,893; May 10.
Furnaces, Fire door for. J. G. Robinson. 1,628,274; May 10.
Furnaces, Rabble and rabble arm for. F. A. Fahrenwald. 1,628,495; May 10.
Furrowing machine. R. Hill. 1,627,973; May 10.
Game. J. B. Sousa. 1,628,073; May 10.
Game apparatus. A. A. Allinger. 1,628,446; May 10.
Garment. J. H. Dwork. 1,627,771; May 10.
Garment hanger. R. J. Haul. 1,627,559; May 10.
Garment hanger or the like, Support for. L. Jonnes. 1,628,623; May 10.
Garment protector. W. D. Schlike. 1,628,433; May 10.
Gas and apparatus therefor, Removal of sulphureted hydrogen from. E. W. Smith and T. C. Finlayson. 1,628,477; May 10.
Gas burners, Automatic cut-off for. E. Kauffeld. 1,628,049; May 10.
Gas compressors, Valve for. C. W. Vollmann. 1,627,680; May 10.
Gas control. D. H. Shogran. 1,628,337; May 10.
Gas for cutting and welding purposes. J. R. Rose. 1,628,066; May 10.
Gas from inflammable liquids, Producing air. H. Foersterling. 1,628,135; May 10.
Gas heater. C. P. Price. 1,628,427; May 10.
Gas holders, Crown support for. A. W. Seels. 1,628,002; May 10.
Gasoline or the like, Can for. H. M. Roussie. 1,627,807; May 10.
Gate: *See*—
Return gate.
Gate mechanism for freight elevator hatchways. J. Pedersen. 1,627,994; May 10.
Gate-operating mechanism. C. M. Whitaker. 1,628,092; May 10.
Gates, doors and the like, Mechanism for opening and closing. A. D. Thomas. 1,628,443; May 10.
Gauge: *See*—
Compound gauge. Skirt gauge.
Rafter gauge.
Gauge wheel and colter, Combined. C. G. Strandlund. 1,628,372; May 10.
Gauging machine. J. G. Ayers, W. H. Chapman, and M. E. Berlowitz. 1,627,683; May 10.
Gauging machine. F. C. Griswold and W. H. Chapman. 1,627,699; May 10.
Gear, Driving and reversing. J. Jolley. 1,627,607; May 10.
Gear-generating machine, Automatic. E. R. Fellows. 1,628,584; May 10.
Gear mechanism, Reversing. A. Daniel. 1,628,233; May 10.
Generating plant, Automatic. T. S. Watson. 1,627,942; May 10.
Generator: *See*—
Acetylene generator. Vapor generator.
Steam generator.
Glass-feeding mechanism, Molten-. E. T. Ferngren. 1,628,238; May 10.
Glass-gathering ring. L. J. House. 1,628,465; May 10.
Glass, Process and apparatus for feeding. W. J. Miller. 1,628,324; May 10.
Glass, Process and apparatus for making sheet. L. Boudin. 1,628,353; May 10.
Goal and goal indicator. E. W. Hiett. 1,628,364; May 10.
Goblet. R. I. Ratner. Des. 72,635; May 10.
Goblet or similar article. C. O. Northwood. Des. 72,631; May 10.
Goblet or the like. F. Schmidt. Des. 72,639; May 10.
Golf-bag bottom. G. L. Pierce and H. V. Rau. 1,628,186; May 10.
Golf club. E. L. Hubbard. 1,627,848; May 10.
Grain shocker. H. S. Dickinson. 1,627,888; May 10.
Granular material, Apparatus for compacting. G. Goebel. 1,627,601; May 10.
Grate. C. C. Ransdell. 1,627,866; May 10.
Grease gun. F. E. Liverance, jr. 1,628,624; May 10.
Grinder, Demountable drill bit. J. Maickel. 1,627,983; May 10.
Grinding machine. J. F. Morgal. 1,627,858; May 10.
Guns, Firing control for automatic machine. J. M. Browning. 1,628,227; May 10.
Guns, Projectile for smooth-bore. E. W. Brandt. 1,628,527; May 10.
Gutter hanger. C. Meunier. Re16,622; May 10.
Hacking machine. G. E. Luce. 1,276,656; May 10.
Hairbrush. G. B. Anfsesser. 1,628,299; May 10.
Hairbrush. F. R. Weber. 1,628,291; May 10.
Hair clippers, Attachment for. H. F. Patenaude. 1,628,421; May 10.
Halogenated hydrocarbons, Reduction of. A. F. S. Bellone. 1,627,881; May 10.
Handle: *See*—
Automatic handle.
Handling articles. H. K. Spencer. 1,620,618; May 10.
Hanger: *See*—
Cutter hanger. Sucker-rod hanger.
Garment hanger.
Hay-sweep load remover. B. G. Heywood. 1,627,703; May 10.
Head protector, Adjustable. M. E. Harold. 1,627,847; May 10.
Headlight. C. R. B. Claflin. 1,627,688; May 10.
Headlight. F. M. Kinkead. 1,628,545; May 10.
Headlight, Automobile. M. H. Kern. 1,628,153; May 10

Headlight construction. C. E. Godley. 1,628,460; May 10.
Headlight dimming and spotlight controlling means, Combination. G. H. Hemphill. 1,627,645; May 10.
Headlight-dimming, Vehicle. P. Doherty. 1,628,036; May 10.
Headlight for motor vehicles. F. W. Riehl. 1,628,198; May 10.
Heat, Method and apparatus for generating and controlling. W. S. Hadaway. 1,627,735; May 10.
Heat-transfer apparatus. J. M. Seymour. 1,627,713; May 10.
Heater: *See*—
Car heater. Manifold heater.
Gas heater. Water heater.
Heel, Rubber. K. Kautzsch. 1,627,651; May 10.
Hexagonal cosmetic box. H. J. Titus. Des. 72,642; May 10.
Hinge. P. Tishken. 1,627,584; May 10.
Hoist system, Skip. W. E. Hale. 1,628,314; May 10.
Hollow arm signal. K. Koenigsberg. 1,628,157; May 10.
Hood, Distributing. H. H. Payzant. 1,627,926; May 10.
Hot-water and hot-air furnace, Combination. A. Gabriel. 1,628,459; May 10.
Hot-water heaters, Valve construction for automatic. J. W. Buckley. 1,627,830; May 10.
Hotel lock. A. K. Morton and J. A. Halloran. 1,628,264; May 10.
House: *See*—
Bird house.
Humidifier. R. Carlstedt. 1,627,686; May 10.
Humidor. R. S. Blair. 1,627,883; May 10.
Hydraulic motor. M. F. Perkins. 1,627,996; May 10.
Hydrocarbon motor. M. Tibbetts. 1,627,753; May 10.
Hydrocarbons, Apparatus for absorption and distilling of. D. L. Newton. 1,628,055; May 10.
Hydrocarbons, Treating. W. S. Hadaway, jr. 1,628,143; May 10.
Ice cream or other material, Method of and apparatus for charging containers with. F. X. Kuhn. 1,627,853; May 10.
Ice-cream package and method of and apparatus for making the same. F. X. Kuhn. 1,627,854; May 10.
Incinerator, Dwelling. H. F. Fisher. 1,628,537; May 10.
Incubator, Thermostatically-regulated. J. V. Giesler. 1,628,189; May 10.
Index or file. W. H. Day and C. R. Thomas. 1,628,124; May 10.
Indicating apparatus. W. C. White. 1,628,444; May 10.
Indophenol and producing the same. J. G. Dinwiddie. 1,628,534; May 10.
Inductance unit, Variable. M. M. Eells. 1,628,237; May 10.
Induction machine. H. M. Hobart. 1,628,464; May 10.
Ink bottles, Combined stopper and pen-filling attachment for. A. D. Platt. 1,627,804; May 10.
Insulator. W. T. Goddard. 1,628,241; May 10.
Intermittent feeler in transferrer. H. L. Blanchard. 1,627,826; May 10.
Internal-combustion engine. B. R. Bacon. 1,628,100; May 10.
Internal-combustion engine. G. E. Burson. 1,628,027; May 10.
Internal-combustion engine. B. C. Stickney. 1,628,442; May 10.
Internal-combustion engine. L. M. Woolson. 1,627,761; May 10.
Internal-combustion engine, Constant-compression. J. A. Charter. 1,627,727; May 10.
Internal-combustion engine, Two-stroke-cycle. C. S. H. Snow. 1,628,520; May 10.
Iron roll, Chilled-. H. E. Walters. 1,627,626; May 10.
Ironing and pressing machines, Pad for. G. C. Houck. 1,628,147; May 10.
Ironing machine. A. M. Rasmussen. 1,627,747; May 10.
Jack: *See*—
Pump jack.
Jacketed casing. D. B. Becker. 1,628,524; May 10.
Jar-closing machine. T. L. Taliaferro. 1,628,007; May 10.
Jar closures or the like, Apparatus for forming sealing rings on. T. L. Taliaferro. 1,628,008; May 10.
Jet dyeing apparatus and process. R. G. Jennings. 1,627,860; May 10.
Jewelry. S. Scheuer. 1,628,278; May 10.
Joint: *See*—
Cable joint. Universal joint.
Key-cutting device. J. H. Shaw. 1,628,637; May 10.
Kiln and drier, Combined brick. N. U. Ludwig. 1,627,979; May 10.
Kiln and drier, Continuous. C. Dressler. 1,627,841; May 10.
Kitchen cabinets, Support for flexible doors of. A. I. S. Halvorsen. 1,627,786; May 10.
Kitchen utensil. J. S. Hagen. 1,628,243; May 10.
Knife. J. J. C. Culver. 1,627,689; May 10.
Knitting machine. J. Imbriani. 1,628,407; May 10.
Knitting machines, Sectional splicing mechanism for. 1,628,517; May 10.
Labeling machine, Can-. C. H. Wild. 1,627,946; May 10.
Lace-threading machine. H. Lundquist. 1,627,610–11; May 10.
Laminated spring. J. H. Stott. 1,628,371; May 10.
Lamp. H. Christensen. Des. 72,592; May 10.
Lamp. T. E. Powers. Des. 72,634; May 10.
Lamp, Electric-. L. S. Brach. 1,627,551; May 10.
Lamp, Floor. L. C. Doane. 1,628,395; May 10.
Lamp post or simiuar article. H. Barkschat. Des. 72,583; May 10.
Lamp post or similar article. H. Barkschat. Des. 72,589; May 10.
Lamp standards, Base for. G. F. Ebel. 1,627,640; May 10.
Last. C. H. Morrill. 1,627,661; May 10.
Lasting machine. C. F. Pym. 1,627,999; May 10.
Latch-controlled-operating mechanism. J. H. Sayres. 1,628,474; May 10.
Latch mechanism. J. Ledwinka. 1,628,638; May 10.
Latch, Sash. W. S. Hamm. 1,627,846; May 10.
Lathe. E. S. and F. B. Cockburn. 1,628,598; May 10.
Laundry appliance. C. R. Asmus. 1,627,948; May 10.
Lawn sprinkler, Automatic. R. F. Frye. 1,628,041; May 10.
Leather, Preparation and dyeing of. M. C. Lamb. 1,628,160; May 10.
Lens. C. W. Frederick. 1,627,892; May 10.
Lifter: *See*—
Load lifter. Valve lifter.
Lifting device. J. S. Walch. 1,628,084; May 10.
Lifting mechanism. E. M. Cole. 1,627,956; May 10.
Light: *See*—
Automobile light.
Light control. W. H. Williams. 1,628,567; May 10.
Light deflector, Automobile. M. H. Kern. 1,628,152; May 10.
Lighting fixture or similar article, Fixture body for. G. E. Villaret. Des. 72,646; May 10.
Lighting fixtures or similar articles, Adapter for. G. E. Villaret. Des. 72,645; May 10.
Lighting fixtures or similar articles, Canopy ring for. G. E. Villaret. Des. 72,647; May 10.
Lighting standard. H. Barkschat. Des. 72,588; May 10.
Lighting standard capital. H. Barkschat. Des. 72,584–7; May 10.
Line clamp. V. De Meo. 1,628,235; May 10.
Lint condenser. F. W. Provost and G. B. Haywood. 1,628,065; May 10.
Liquid conditioning and supply system. E. M. Scoville. 1,628,201; May 10.
Liquid-dispensing apparatus. W. T. Hatmaker and E. E. Bickmeyer. 1,627,898; May 10.
Liquid-dispensing apparatus. A. H. Heuermann. 1,628,404; May 10.
Liquid fuel, Apparatus and burning. E. H. Peabody. 1,628,424; May 10.
Lithographic printing surfaces, Washing. B. J. J. Goulding. 1,627,774; May 10.
Load lifter. F. J. Winterer. 1,628,212; May 10.
Lock: *See*—
Hotel lock. Nut lock.
Mine-car check lock. Rail lock.
Lock and latch, Combined. G. Cawthron. 1,628,354; May 10.
Lock nut. J. Madden. 1,627,745; May 10.
Locomotive. W. E. Woodard. 1,628,095; May 10.
Locomotive booster motors, Driving apparatus for. F. R. Peters. 1,628,185; May 10.
Locomotive, Compressed-air. E. O. Baum. 1,628,217; May 10.
Locomotive front-end support. H. Vissering. 1,627,756; May 10.
Locomotive, Heavy-duty. D. R. McGinnis. 1,628,262; May 10.
Locomotive, Steam. R. H. Whitelegg. 1,628,016; May 10.
Locomotives, Attachment for. C. Stern and R. W. Braden. 1,628,478; May 10.
Loom, Automatic weft-replenishing. D. M. Hollins. 1,628,047; May 10.
Looms, Balanced let-off for. K. J. Unwin. 1,627,813; May 10.
Looms, Dobby for. P. J. Banset. 1,627,950; May 10.
Looms, Filling clamping and parting mechanism for shifting shuttle-box. E. A. Cunniff. 1,628,307–8; May 10.
Looms, Intermittently-operable take-up mechanism for. H. H. Burdett. 1,628,489; May 10.
Looms, Let-off mechanism for. R. M. Hughes. 1,628,540; May 10.
Looms, Thread-feeding device for tufted-fabric. F. Boyer. 1,628,387; May 10.
Lost-motion coupling. R. M. Galloway. 1,627,964; May 10.
Lubricating system. H. F. Schmidt. 1,627,750; May 10.
Lubricator: *See*—
Conveyer lubricator.
Lug-making press. J. J. Senglar. 1,628,616; May 10.
Machine and process for separating threads from fabric. L. I. Thompson. 1,628,373; May 10.
Machine for collecting bugs. R. Martin. 1,627,796; May 10.
Machine support, Adjustable. C. W. Steen. 1,628,620; May 10.
Machine tool. A. L. De Leeuw. 1,628,234; May 10.
Magazine and book support. F. D. Jones. 1,628,247; May 10.
Magnesia and calcium pentasulphide, Making. V. Drewsen. 1,628,311; May 10.
Magnetic coil. W. L. Casper and F. E. Field. 1,628,398; May 10.

Mail-box signal. J. Nordin. 1,627,617; May 10.
Mail boxes, Attachment for. J. R. De Mier. 1,628,034; May 10.
Mains of gas plants, Dip-pipe construction for the hydraulic. W. Seymour. 1,628,334; May 10.
Mandrel, Expansible and contractible. G. W. Dingee. 1,627,729; May 10.
Manifold heater. O. Waubob. 1,627,759; May 10.
Marcel hair waver. E. E., Baldwin. 1,627,590; May 10.
Match-box holder or the like. W. H. White. 1,628,208; May 10.
Match machines, Slide feeder for. L. E. Parker. 1,628,327–8; May 10.
Mattress button, Tufted. P. P. Bebry. 1,627,723; May 10.
Medicinal product. H. C. Fuller. 1,627,963; May 10.
Merry-go-round. L. W. Melcher. 1,627,570; May 10.
Metal and glass and making the same, Joint between. G. B. Jonas. 1,627,780; May 10.
Metal filament. T. E. Foulke. 1,628,456; May 10.
Metal-turning machine, Multiple-spindle. C. M. Petersen. 1,628,061; May 10.
Metals, Apparatus for refining. M. Unger. 1,628,375; May 10.
Milk strainer. F. J. Ziegler. 1,628,021; May 10.
Mill: *See*—
Coal-grinding mill. Rolling mill.
Mining and conveying machine. R. Peale. 1,628,329; May 10.
Mining-machine carrier. K. Davis. 1,628,309; May 10.
Mold support. M. Schnaier. 1,628,434; May 10.
Molded product and process for its manufacture. H. F. Weiss and R. R. Norris. 1,628,206; May 10.
Molding apparatus. H. D. Nitchie. 1,628,057; May 10.
Molding strip. W. Marshall. 1,627,915; May 10.
Monument. E. G. Ladewich. Des. 72,623–4; May 10.
Mop-handle fastener. J. W. Doty. 1,627,960; May 10.
Motor: *See*—
Current motor. Hydraulic motor.
Electric motor. Hydrocarbon motor.
Motor cars and the like, Storage buildings for. K. Disney. 1,627,959; May 10.
Motor-control system. W. S. H. Hamilton. 1,628,402; May 10.
Motor controller. D. H. Chason. 1,627,593; May 10.
Motors, Control system for electric. C. A. Kelsey. 1,628,409; May 10.
Motors, Supplying a combustible mixture to internal-combustion. W. A. Edward. 1,628,357; May 10.
Mowing machines, binders, headers, harvesters, or the like, Tractor push drive for. L. P. Draper. 1,628,038; May 10.
Muffler and heater, Combined. W. A. Kysor. 1,627,855; May 10.
Multiple-station automatic machine. F. E. Best. 1,628,103; May 10.
Musical appliance. C. Fanella. 1,628,039; May 10.
Musical instrument with electromagnetic operation, Keyboard. A. H. Maitre and V. H. G. Martin. 1,628,507; May 10.
Nail-making machine. M. D. Phelan. 1,627,666; May 10.
Necktie fastening. R. Hollunder. 1,628,604; May 10.
Neon tube. R. R. Machlett. 1,628,256; May 10.
Nickel, Manufacture of malleable. N. V. Hybinette. 1,628,149; May 10.
Nickel, Producing finely divided. M. Raney. 1,628,190; May 10.
Nitriles of the benzanthrone series, Preparing. M. P. Schmidt and W. Neugebauer. 1,628,280; May 10.
Nozzle, Self-propelled hose. S. C. Sladden. 1,628,070; May 10.
Nut lock. R. I. Clapp. 1,628,335; May 10.
Oil burner. W. Wood. Des. 16,623; May 10.
Oil distillation and cracking. S. L. Tingley. 1,627,938; May 10.
Oil, Process and apparatus for cracking petroleum. R. T. Pollock. 1,628,270; May 10.
Oil rectifier. W. G. Wall. 1,628,085; May 10.
Oil separator. T. K. Massicks. 1,627,569; May 10.
Oil tank, Nonevaporating. F. A. Iddings. 1,628,246; May 10.
Oil wells, Casing head for. W. B. Wigle. 1,627,945; May 10.
Oils, Apparatus for cracking and distilling hydrocarbon. S. L. Tingley. 1,627,937; May 10.
Oils, Apparatus for the treatment of impure petroleum. J. D. Brady. 1,628,574; May 10.
Oils, Process and apparatus for converting. C. P. Dubbs. 1,628,236; May 10.
Oils, Sweetening hydrocarbon. M. G. Paulus. 1,628,423; May 10.
Oils, Treating hydrocarbon. W. L. Coultas, jr. 1,628,532; May 10.
Oils, Treating hydrocarbon. C. P. Dubbs. 1,628,127; May 10.
Operating means. A. H. Stebbins. 1,627,673–78; May 10.
Ophthalmic mountings, Making. O. H. Flodin. 1,628,586; May 10.
Optical illusion, Device for producing an. E. Haberfeld. 1,627,603; May 10.
Ore flotation process. J. Herman, A. W. Allen, and H. R. Newitt. 1,628,046; May 10.
Ores, Concentration of. C. H. Keller. 1,628,151; May 10.
Ores, Process and apparatus for metallizing. H. N. Tracy. 1,628,012; May 10.
Ores, Treatment of. J. T. Terry. 1,627,582; May 10.
Ovens and the like, Thermostatic control for electric. E. L. Fonseca. 1,627,732; May 10.
Overload and strain releasing mechanism. A. Pestel. 1,628,184; May 10.
Package. N. E. Covel. 1,628,121; May 10.
Packaging machine. S. Cooper. 1,628,120; May 10.
Packing. F. Macy. 1,627,791; May 10.
Packing and making the same. J. R. Gammeter. 1,627,698; May 10.
Packing, Flexible metallic. H. P. Rhodes. 1,627,620; May 10.
Packing pad. H. J. Blockl. 1,627,827; May 10.
Packing, receptacle. C. E. Manderbach. 1,627,613; May 10.
Pad: *See*—
Packing pad. Truss pad.
Pad holder. J. B. Kemp. Re16,618; May 10.
Pan: *See*—
Baking pan.
Paper and other fabrics, Apparatus for operating on. N. M. Goodlett. 1,627,966; May 10.
Paper, Box cover. A. Pistorius. Des. 72,633; May 10.
Paper, Crinkling and reenforcing. W. W. Rowe. 1,628,515; May 10.
Paper feeding. H. Bradshaw. 1,628,224–5; May 10.
Paper-feeding machine. T. C. Dexter. 1,628,125; May 10.
Paper for preventing tarnishing of polished metals. F. H. Osborne. 1,628,610; May 10.
Paper machines, Operating apparatus for safety guards on roll winders of. E. Bourgord and A. Leitl. 1,628,488; May 10.
Paper-making machine. E. E. Berry. 1,627,882; May 10.
Paper or similar material, Apparatus for forming articles from. G. P. Mallory. 1,628,257; May 10.
Paraffin deposits, Apparatus for cleaning oil wells of. H. J. Haber. 1,628,401; May 10.
Pattern: *See*—
Waist pattern.
Pavement and process of constructing pavements. B. H. Walt. 1,628,482; May 10.
Pavement-finishing machine. G. E. Webb. 1,628,088; May 10.
Pencil, Mechanical. B. B. Goldsmith. 1,627,602; May 10.
Penholder or similar article. F. Di Ionno. Des. 72,603; May 10.
Permanent molds, Vent plug for. W. S. Anderson. 1,627,879; May 10.
Petroleum, Refining. W. E. Lummus. 1,628,252; May 10.
Phonograph. H. C. Stoll and H. L. Schroder. 1,628,285; May 10.
Phonograph. J. Wahlberg. 1,628,289; May 10.
Photographic films, Sheet-metal casing for. J. Schuls. 1,628,558; May 10.
Photographic image and making same. W. V. D. Kelley. 1,628,248; May 10.
Piano construction. C. Mehlin. 1,628,172; May 10.
Picture apparatus, Motion-. W. J. Knorre. 1,628,250; May 10.
Picture films, Producing composite moving-. A. V. Knechtel. 1,627,976; May 10.
Picture films to winding cores, Attaching motion-. A. N. Merle. 1,628,416; May 10.
Picture-projecting machines, Safety device for motion-. W. Malm. 1,628,258; May 10.
Pictures, System for transmitting and reproducing. M. C. Hall. 1,627,701; May 10.
Pipe. W. A. Homan. 1,627,605; May 10.
Pipe. W. J. Mattern. 1,627,797; May 10.
Pipe coupling. A. Farnstrom. 1,628,132; May 10.
Pipe, Device for unscrewing and withdrawing. C. R. Edwards. 1,627,842; May 10.
Pipe fitting, Vented waste-. C. F. Pressler. 1,627,928; May 10.
Pipe lines, Cleaning-out. C. A. Burnett. 1,628,530; May 10.
Pipe-sealing device. W. J. Pendry. 1,627,995; May 10.
Pipes, Manufacture of tobacco. C. F. Smith. 1,628,617; May 10.
Pipes, Plate thimble for. J. W. Farley. 1,627,961; May 10.
Piston. C. S. Worth. 1,628,097; May 10.
Pistons, Balancing single-acting. W. Mauss. 1,627,658; May 10.
Plants, Scutching fibrous. J. A. McLeod. 1,627,919; May 10.
Plastic material, Method of and mechanism for perforating. A. H. Tyson. 1,628,342; May 10.
Plate or similar article. G. Wesp. Des. 72,640–54; May 10.
Plow, Gang. J. V. Holstein. 1,627,902; May 10.
Plow, Gang. W. L. Paul. 1,627,924; May 10.
Plugs, Receptacle for connecting. G. Frankel. 1,628,399; May 10.
Pocket iron leather guard. E. Hamblin, jr. 1,627,967; May 10.
Positives by reversal, Obtaining direct. G. E. Zelger. 1,628,445; May 10.
Post and lighting standard, Combination. H. Barkschat. Des. 72,590; May 10.
Poultry perch. F. J. Kummeth. 1,628,366; May 10.
Powder-dispensing containers, Closure for. E. L. Kendall. 1,627,781; May 10.
Powder mechanism. F. F. Dorsey. 1,628,037; May 10.
Powder, Propellant. J. M. Olin and A. S. O'Neil. 1,627,859; May 10.

Power attachments, Governor for. G. B. Maxwell. 1,627,660; May 10.
Power shovel. W. W. Sloane. 1,628,071; May 10.
Power-transmission unit. J. H. Maxim. 1,628,260; May 10.
Preserving posts, Methods and apparatus for. M. E. Brown. 1,627,829; May 10.
Press: *See*—
Lug-making press. Printing press.
Pressing apparatus, Hydraulic. C. Wigtel. 1,628,094; May 10.
Pressure bags, Folder for. W. F. Irrgang. 1,627,779; May 10.
Pressure members when the same are subjected to undue stress, Automatically relieving the pressure on. W. E. Abbott and J. R. Elgey. 1,628,297; May 10.
Printing machine with changeable form. L. H. Morse. 1,627,663; May 10.
Printing mechanism. H. Theilgaard. 1,628,078; May 10.
Printing plates, Casting and finishing machine for curved stereotype. H. A. W. Wood. 1,627,817; May 10.
Printing plates, Clamping device for. S. W. Marvin. 1,628,384; May 10.
Printing press. G. F. Bryant. 1,628,109; May 10.
Printing presses, Printed sheet delivery attachment for. F. J. Wermes. 1,628,292; May 10.
Projection screen. A. L. Macbeth. 1,628,414; May 10.
Projection screen, Portable. L. A. Jones. 1,627,906; May 10.
Propellant powder and making same. A. S. O'Neil. 1,627,861–2; May 10.
Propeller shaft. C. E. Swenson. 1,627,936; May 10.
Protractor and using same. G. M. Nava. 1,628,266; May 10.
Puller: *See*—
Battery-plate puller.
Pulley. N. Berg. 1,628,220; May 10.
Pulley. T. Olinger and F. G. Brendel. 1,627,572; May 10.
Pulley, Universal. T. Crawford. 1,628,491; May 10.
Pulverizer. A. A. Wickland. 1,628,295; May 10.
Pulverizer, Coal. A. A. Wickland. 1,628,294; May 10.
Pump. W. H. Thompson. 1,628,340; May 10.
Pump, Fluid-pressure-actuated. R. C. Newhouse. 1,628,608; May 10.
Pump jack. J. A. Lund. 1,627,708; May 10.
Pump, Metering. N. Nix. 1,628,058; May 10.
Pump, Pneumatic. H. S. Rogers. 1,628,276; May 10.
Pump, Tire. W. M. Ingram. 1,628,365; May 10.
Pump, Vehicle attached and operated tire. R. O. Lewis. 1,627,654; May 10.
Push-button switch, Double-pole two-way. J. J. Rattay. 1,628,191; May 10.
Quilling machine. G. Adsit. 1,627,820; May 10.
Rack: *See*—
Calender rack. Display rack.
Racket, Tennis. C. Schindler. 1,627,621; May 10.
Radiator. S. Malke. 1,627,914; May 10.
Radiator. J. Triska. 1,628,288; May 10.
Radiator attachment. P. J. Walsh. 1,628,844; May 10.
Radiator reflow device. E. O. Weeks. 1,627,814; May 10.
Radiator shield, Resilient. R. B. Fageol. 1,628,131; May 10.
Radio apparatus and current control device therefor. P. A. Chamberlain. 1,627,592; May 10.
Radio battery charger. C. T. Weibler. 1,627,815; May 10.
Radiocabinet. V. D. Landon Des. 72,625. May 10.
Radiocabinet. E. B. Mallory and A. Roth. Des. 72,627–29; May 10.
Radiofrequency choke coil system. A. Crossley. 1,627,958; May 10.
Radiojack. R. M. C. R. August. 1,627,823; May 10.
Radio receiving apparatus. M. Wallace. 1,627,758; May 10.
Radio signaling system. M. Latour. 1,627,707; May 10.
Radiotelephony. P. Ware. 1,627,718; May 10.
Radiotransmission, Sound amplifier for. C. O. Snyder. 1,627,672; May 10.
Radius-rod clamp. S. C. Ewens. 1,627,695; May 10.
Rafter gauge. E. Attaway. 1,628,447; May 10.
Rail anchor. R. L. Cochrane. 1,628,231; May 10.
Rail anchor. F. A. Preston. 1,628,282; May 10.
Rail joiner. J. Morello. 1,627,987; May 10.
Rail lock. W. Kupke. 1,627,743; May 10.
Rail obstacle. J. B. O'Connor. 1,628,552; May 10.
Railroad tie. E. A. Lockwood. 1,627,788; May 10.
Railroad ties, Anchor block for. G. F. A. Ochs. 1,628,500; May 10.
Railway crossing. H. Mills. 1,627,800; May 10.
Railway crossing. N. Zink. 1,627,877; May 10.
Railway signal and train-control system. M. H. Loughridge. 1,627,565; May 10.
Railway signaling apparatus. H. A. Wallace. 1,628,290; May 10.
Railway tie and rail fastener. C. Biernat. 1,628,449; May 10.
Railway-traffic-controlling apparatus. R. M. Gilson. 1,628,313; May 10.
Railway-traffic-controlling apparatus. S. M. Lucas. 1,627,657; May 10.
Railway-traffic-controlling apparatus. H. A. Thompson. 1,628,287; May 10.
Railway-traffic-controlling system. M. H. Loughridge. 1,627,566; May 10.
Railway-traffic-controlling system and apparatus. M. H. Loughridge. 1,627,567; May 10.
Railway trains independently of the driver, Device for stopping. P. Bildstein and E. Seidel. 1,627,724; May 10.
Railways, Transport wagon for. J. Jonsson. 1,628,543; May 10.
Razor-blade holder, Safety-. H. S. Noddings. 1,627,664; May 10.
Razor, Safety. D. Petard. 1,627,927; May 10.
Reaming or boring tool. R. R. Davis. 1,627,887; May 10.
Reaping, mowing, and the like machines, Cutting device for. V. Hejma. 1,627,644; May 10.
Receptacle, Display. A. Brown and R. G. Peck. 1,628,108; May 10.
Receptacle, Display. R. G. Peck and A. Brown. 1,628,380; May 10.
Receptacles, Apparatus for making. I. Stanley. 1,628,074; May 10.
Recuperator mechanisms, Control valve for. H. C. Zimmerman. 1,627,818; May 10.
Reduction block. E. J. Hanna. 1,628,403; May 10.
Reflector, Adjustable. D. F. Beauchamp. 1,628,218; May 10.
Refrigerating device. J. W. Anderson. 1,627,629; May 10.
Refrigerating system. R. E. Schurts. 1,627,808; May 10.
Refrigerator. B. F. Vogt. 1,628,083; May 10.
Register: *See*—
Cash register.
Regulating device. J. V. Giesler. 1,628,137; May 10.
Regulator: *See*—
Damper regulator. Draft regulator.
Resilient wheel. H. C. Lord. 1,627,789; May 10.
Return gate, Automatic. E. A. Dohmann. 1,628,622; May 10.
Ribber-machine attachment. F. Bolonski. 1,628,572; May 10.
Rim treatment process. J. B. Scott. 1,628,516; May 10.
Rims, Method and apparatus for grooving and flanging tug. D. H. Wolfe. 1,628,568; May 10.
Ring: *See*—
Glass-gathering ring.
Rip-strip can. H. Hermani. 1,627,646; May 10.
Riveting machine. A. R. Havener. 1,628,044; May 10.
Road scraper. A. R. Miskin. 1,627,857; May 10.
Rock drill. E. B. Lear. 1,627,744; May 10.
Roller. P. N. Joslin. 1,627,561; May 10.
Roller arm rest. H. Catlett. 1,628,030; May 10.
Rolling mill. F. Möller. 1,628,175; May 10.
Roof. F. C. Overbury. 1,627,665; May 10.
Rotary engine. J. A. Lehnert. 1,628,162; May 10.
Rotating shaft and reciprocating piston, Driving connection between a. G. E. A. Hallett. 1,627,775; May 10.
Rubber articles, Manufacture of coagulum. R. W. Rost. 1,628,195; May 10.
Rubber compound and making same, Age-resisting. E. R. Bridgwater and D. H. Powers. 1,628,528; May 10.
Rubber, Machine for uniting sheet. J. Stein. 1,628,203; May 10.
Rubber or similar substances and products resulting therefrom, Combining halogen-containing materials with. C. E. Bradley and W. A. Gibbons. 1,627,725; May 10.
Rubber, Treating. W. G. O'Brien. 1,628,326; May 10.
Rubber tubes, Making. J. D. Tew. 1,628,286; May 10.
Rubber, Vulcanization of. C. J. T. Cronshaw and W. J. S. Naunton. 1,627,636; May 10.
Sand-blast apparatus, Carriage arrangement for. H. F. Hoevel. 1,628,317; May 10.
Sander, Floor. L. Durr. 1,628,129; May 10.
Sander, Oscillating belt. G. H. Carlson. 1,628,531; May 10.
Sash and sash cord, Connecter for. G. W. Lancaster. 1,627,786; May 10.
Sash lift. A. G. Ilich. 1,628,605; May 10.
Sash lock and counterbalance. W. W. White. 1,628,346; May 10.
Saucepan and the like. P. Braach. 1,628,107; May 10.
Saw. J. Schreiner. 1,627,622; May 10.
Saw, Combination back and scroll. E. J. Boyd. 1,628,526; May 10.
Saw, Motor-operated. M. Clodfelter. 1,627,552; May 10.
Scale. J. W. Bryce. 1,628,110; May 10.
Scale. M. J. Weber. 1,628,205; May 10.
Scale in boilers, Purifying composition for counteracting the formation of. H. Lilliejord. 1,628,163; May 10.
Scale plate, Weighing. G. Ohaus. 1,627,710; May 10.
Scales, Platform lever mechanism for. H. O. Hem. 1,627,702; May 10.
Scarf, Table. M. Savitzky. Des. 72,637; May 10.
Screen: *See*—
Projecting screen. Window screen.
Projection screen. Windshield screen.
Screen. E. E. Deister. 1,628,455; May 10.
Screening pulp and paper stock, Rotary screen for. E. W. Lindquist. 1,627,635; May 10.
Screw driver. W. Herrmann. 1,628,144; May 10.
Screw driver and attachment, Angle. D. P. Owens. 1,628,553; May 10.

Scythe, I. Gonyk. 1,628,589; May 10.
Seal. H. V. Atwell. 1,628,348; May 10.
Self-cleaning mixer, Continuous. C. Payne. 1,628,632; May 10.
Sensitive layer on a suitable base and making same. M. P. Schmidt and W. Krieger. 1,628,279; May 10.
Separator: *See*—
Oil separator.
Separators and separator stock, Making. R. C. Benner. 1,628,104; May 10.
Sewing machine. A. A. Merritt. 1,628,173; May 10.
Shaft relatively to a driving shaft, Advancing and retarding a driven. G. Constantinesco. 1,627,632; May 10.
Sharpener for grinder knives. E. G. Chermak and F. S. Pritzl. 1,628,031; May 10.
Sharpener, Pencil. C. M. Sykes. 1,628,076; May 10.
Sharpener, Pencil. G. G. Weis. 1,628,089; May 10.
Sheave. A. C. Grunwald. 1,627,558; May 10.
Shingle, Strip. L. Busha. 16,621; May 10.
Shingle support and cornice-protecting device, Combined. J. E. Richards. 1,627,805; May 10.
Shock absorber. J. Levesque. 1,628,503; May 10.
Shock absorber. A. B. Shultz and A. B. Casper. 1,627,810; May 10.
Shoe machine, Automatic. M. E. Fernald. 1,628,602; May 10.
Shoe-repair stand. E. F. Eichenberger. 1,628,130; May 10.
Shovel: *See*—
Power shovel.
Side frame. B. W. Kadel. 1,628,544; May 10.
Sidewalk elevator, Counterweighted. A. J. Rosell. 1,628,556; May 10.
Sign. F. H. Auld. 1,628,349; May 10.
Sign, Electric. J. Pedersen. 1,627,993; May 10.
Signal: *See*—
Hollow-arm signal. Mail-box signal.
Signal. H. G. Tuthill. 1,627,625; May 10.
Signal control, Method and system of vibratory. J. P. Tarbox. 1,628,077; May 10.
Signal for chokers and the like. E. B. Wilcox. 1,628,209; May 10.
Signal lantern and lens therefor. A. H. Handlan. 1,627,895; May 10.
Signal transmission system. A. H. Taylor. 1,628,009; May 10.
Signaling system. C. E. Beach. 1,627,685; May 10.
Signaling system, Electric. J. T. Donahoe. 1,628,493; May 10.
Signboard, Aquatic. J. E. Cramer. 1,628,393; May 10.
Silica, Molding. L. B. Miller. 1,628,417; May 10.
Silica, Producing vitreous. L. B. Miller. 1,628,468; May 10.
Siphon holder. G. V. Gavaza. 1,627,734; May 10.
Skating device. J. Stetson. 1,628,004; May 10.
Skidding-preventing device. L. M. Crews. 1,627,768; May 10.
Skirt gauge. J. B. Wells. 1,627,588; May 10.
Slags by fluids under pressure, Treatment of. M. Maguet. 1,627,982; May 10.
Slide. P. Held. 1,627,970; May 10.
Slitting machine. O. B. Zoline. 1,628,215; May 10.
Smokers' article. E. Caldwell. 1,628,114; May 10.
Soap-sheet pack. P. J. Christman, jr. 1,628,229; May 10.
Socket, Electric-lamp. W. G. Chiziett. 1,627,631; May 10.
Sodium azide, Manufacture of. F. Wilcoxon and B. Grotta. 1,628,380; May 10.
Sole-cutting machines, Sole-fudging attachment for. J. Zdvorncek. 1,627,878; May 10.
Solids from liquids, Separation of. F. Bachmann. 1,627,550; May 10.
Soot receptacle. P. W. Thayer. 1,628,521; May 10.
Sound amplifier. C. W. Taylor. 1,628,010; May 10.
Sound-insulating plate, sheet, or slab. J. Weiss. 1,628,090; May 10.
Sound-reproducing records, Shipping container for. R. S. Blair and B. D. Wells. 1,628,105; May 10.
Sound-vibration-translating device. E. Grissinger. 1,628,242; May 10.
Speed control. F. Kuehnel. 1,628,606; May 10.
Speed regulation. C. E. Carpenter. 1,627,832; May 10.
Speedometer. G. Ramsey. 1,628,271; May 10.
Speedometer drive. D. H. Nash. 1,627,616; May 10.
Spinning frames, Bunch-building mechanism for. W. T. Morgan. 1,627,615; May 10.
Spool, Paper. B. E. Franke. 1,628,040; May 10.
Spooling machine. H. S. Busey and W. A. Hallstrom. 1,627,831; May 10.
Spray marker. W. H. Cannard. 1,628,305; May 10.
Spraying device, Dust-laying. T. French. 1,628,458; May 10.
Spring: *See*—
Bed spring. Laminated spring.
Spring. F. J. Smith. 1,628,561; May 10.
Spring-pad construction. G. E. Ryan. 1,628,196; May 10.
Spring-winding machine. J. A. Hittle. 1,627,604; May 10.
Springs, Manufacture of compound helical. J. F. Gall. 1,627,600; May 10.
Sprinkling device, Lawn. W. H. Coles. 1,628,118; May 10.
Stamps, etc., Exhibit mount for. A. S. Traub. 1,627,624; May 10.
Stand: *See*—
Display stand. Shoe-repair stand.
Statuette or similar article. W. H. Fulper. Des. 72,605; May 10.
Stay bolts, Manufacture of steam-boiler. A. F. Pitkin. 1,628,063; May 10.
Steam-circulating fitting. J. O. Woodsome. 1,628,382; May 10.
Steam engine. J. V. Giesler. 1,628,138; May 10.
Steam generator. M. Robbins. 1,627,668; May 10.
Steel articles, Method and apparatus for heat-treating. J. F. Wyzalek. 1,627,682; May 10.
Steel, Making basic, open hearth. J. L. Schueler. 1,628,281; May 10.
Steering gear. H. M. Denyes and W. A. Kull. 1,627,839; May 10.
Steering posts, Horn button for. J. H. Dennis. 1,627,769; May 10.
Step, Extension. E. R. Lundquist. 1,628,505; May 10.
Stoker. L. R. Stowe. 1,627,715; May 10.
Stone-dressing tool. E. Ronazzi. 1,628,352; May 10.
Stop device, Safety. J. Reid. 1,628,332; May 10.
Stopcock. M. Himmerich. 1,627,974; May 10.
Storage apparatus. W. Laird. 1,628,635; May 10.
Strands, Coating. W. F. Hosford. 1,627,739; May 10.
Strands, Coated. W. F. Hosford. 1,627,740; May 10.
Stream deflector and river-bank protector. H. M. Smith. 1,627,623; May 10.
Strength of articles, Process and apparatus for increasing the. A. Mauser. 1,628,259; May 10.
Stump burner. H. L. Reynolds. 1,627,867; May 10.
Stump shredder and harrow, Pineapple. W. A. Baldwin. 1,628,101; May 10.
Sucker-rod hanger. G. E. Frits. 1,627,733; May 10.
Superheater boiler. F. M. MacDowell. 1,627,918; May 10.
Supporting the hand while writing, Device for. C. Craig. 1,627,635; May 10.
Surgical apparatus. A. L. Soresi. 1,627,714; May 10.
Surgical instrument. R. H. Wappler. 1,627,941; May 10.
Switch: *See*—
Electric switch. Push button switch.
Float-operated switch. Telephone switch.
Switch and appurtenant protective fitting, Service. B. D. Horton. 1,628,406; May 10.
Switch and fuse. A. F. C. Lotz. 1,628,413; May 10.
Switch construction. H. W. Faust. 1,628,496; May 10.
Swivel. R. Taylor 1,627,873; May 10.
Table: *See*—
Folding table. X-Ray operating table.
Tables, Revolving tray for dining. M. B. Twedt. 1,628,013; May 10.
Tag-making machine. C. C. Kurtz. 1,627,978; May 10.
Tank gauge holes, Collar and cover for. T. J. Calhoun. 1,628,028; May 10.
Tank vent. G. C. Schmidt and F. G. D. Muller. 1,628,069; May 10.
Tank vent, flame arrester, and automatic snuffer, Combination. G. C. Schmidt and F. G. D. Muller. 1,628,199; May 10.
Tappet. M. M. Wilcox. 1,628,017; May 10.
Telegraph distortion measuring system. S. I. Cory. 1,627,633; May 10.
Telegraph distortion measuring system. S. I. Cory. 1,628,392; May 10.
Telegraph transmitter. J. R. Youngblood. 1,627,819; May 10.
Telemetric apparatus. W. P. Blanchard. 1,628,450; May 10.
Telephone receiver. A. P. Young. 1,628,383; May 10.
Telephone services, Coin-collecting appartus for. F. W. Hall. 1,627,700; May 10.
Telephone switch. C. W. Wilkerson. 1,628,018; May 10.
Telephone system. H. M. Friendly. 1,627,843; May 10.
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Telephone system, Automatic. H. M. Friendly. 1,628,358–9; May 10.
Telephone system, Automatic. R. G. Richardson. 1,627,929–30; May 10.
Telephone system, Measured-service. J. Wicks. 1,628,003; May 10.
Telephone system, Measured-service. B. D. Willis. 1,628,381; May 10.
Telephones, Muffler attachment for. F. J. Strobel. 1,628,075; May 10.
Template, Subgrade. A. G. Fitzner. 1,627,731; May 10.
Testing and defating machine. S. Malke 1,628,168; May 10.
Textile fabric or similar article of manufacture. E. M. Magee. Des. 72,626; May 10.
Textile processing or finishing machine. G. J. McGann. 1,628,261; May 10.
Theatricals, Mechanical miniature. C. T. Hunt. 1,628,628; May 10.
Therapeutic device. G. S. White. 1,628,207; May 10.
Thermal limit relay. G. H. Whittingham. 1,627,816; May 10.
Thimble. O. Pullen. 1,628,188; May 10.
Ticket, Pin. W. Siegfried. 1,628,560; May 10.
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Tire. W. E. Greer. Des. 72,606–19; May 10;
Tire. H. D. Reichard. Des. 72,636; May 10.
Tire air valve. A. L. Soresi. 1,628,441; May 10.
Tire carrier. R. F. Freeman. 1,628,538; May 10.
Tire chain. F. T. Gause. 1,627,555; May 10.
Tire construction. T. Midgley. 1,627,799; May 10.
Tire-display holder. R. W. Clark. 1,628,306; May 10.
Tire liner. M. A. Doelckner and A. P. Fanelli. 1,628,582; May 10.
Tire-patching machine. J. P. Curls. 1,628,122; May 10.
Tire valve. C. S. Preston. 1,628,064; May 10.
Tire valves, Dust cap for. V. L. Smithers. 1,628,440; May 10.
Tires, Vulcanizing. S. Krall. 1,627,785; May 10.
Tobacco-pipe attachment. J. J. O'Toole. 1,628,059; May 10.
Toggle spreader. E. S. Sargent. 1,628,615; May 10.
Tool, Combination. L. J. Cherry. 1,628,116; May 10.
Toy, Figure wheeled. H. W. Dyer. 1,628,390; May 10.
Toy, Mechanically-operated figure. A. H. and W. A. Pence. 1,628,331; May 10.
Toy trick box. A. C. Raisner. 1,628,189; May 10.
Traction machine. O. J. Martinson. 1,627,984; May 10.
Tractor drawbar coupling. C. M. Porter. 1,627,998; May 10.
Tractor mowers, Lifting device for. C. Pearson. 1,627,711; May 10.
Tractor trailer. C. H. Land. 1,627,910; May 10.
Trail connection. T. A. Conlon. 1,627,836; May 10.
Train control. C. S. Bushnell. 1,628,452; May 10.
Train control. C. S. Bushnell. 1,628,453; May 10.
Train control. W. K. Howe. 1,628,319; May 10.
Train-control system, Automatic. E. C. Stafford. 1,628,634; May 10.
Train-control systems, Train-carried receiver for automatic. C. H. Zierdt. 1,628,296; May 10.
Transmission by electric oscillations. L. N. Brillouin and E. M. F. Fromy. 1,627,767; May 10.
Transmission, Hydraulic. W. Ferris. 1,628,603; May 10.
Trap: *See*—
Water trap.
Treatment table. M. R. McBurney. 1,628,369; May 10.
Trellises and the like, Structure for. J. S. Kirtman. 1,628,249; May 10.
Trolley, Automatic safety. P. and D. Fasson. 1,628,536; May 10.
Truck, Elevating platform. C. E. Cochran. 1,628,390; May 10.
Truck, Industrial. C. E. Cochran. 1,628,389; May 10.
Truck side frame. D. S. Barrows. 1,628,300; May 10.
Truss, Abdominal. J. O. King. 1,628,155; May 10.
Truss pad. I. M. Pease. 1,627,992; May 10.
Try cock. W. E. Williams. 1,628,566; May 10.
Tub: *See*—
Washing-machine tub.
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Tube socket, Vacuum. R. Schur. 1,628,001; May 10.
Tubing machines, Steering mechanism for. V. Royle. 1,627,576; May 10.
Twine ball, cross wound bobbin, or the like, Spoolless. W. Hoos. 1,628,244; May 10.
Type bars, Mold for casting. W. M. Bower, C. S. Burdon, and C. L. Stern. 1,628,573; May 10.
Typewriting machine. G. W. Campbell. 1,628,029; May 10.
Typewriting machine. H. H. Vickers. 1,628,081; May 10.
Typewriting-machine attachment. J. L. Gallard. 1,628,102; May 10.
Typewriting machines, Frame for. O. Fischer. 1,627,773; May 10.
Umbrella, Duplex. W. G. Grey. 1,628,539; May 10.
Underfeed stoker furnace. E. Lundgren. 1,628,166; May 10.
Undergarment, Ensemble. S. E. B. Shepard. 1,628,475; May 10.
Universal joint. R. G. Urch. 1,627,940; May 10.
Universal joint, Ball-bearing. W. Scott. 1,627,932; May 10.
Universal multiple-operation machine. L. H. Stein. 1,627,934; May 10.
Urns, Coffee retainer for. B. B. de Montmorency. 1,628,394; May 10.
Valve and making the same, Adjusting. A. Green. Re16,617; May 10.
Valve, Automatic control. E. V. Anderson. 1,627,628; May 10.
Valve cap. G. F. Keena. 1,627,908; May 10.
Valve, Drain. J. L. Hutchings. 1,627,606; May 10.
Valve, Duplex throttle. F. N. Poignand. 1,627,997; May 10.
Valve lifter. J. Cottrell and J. Marker. 1,627,957; May 10.
Valve stems, Making. A. W. Limont. Re16,619–20; May 10.
Valve tool. E. C. Cooley. 1,627,886; May 10.
Valve, Vacuum. E. F. Donnelly. 1,627,840; May 10.
Vanity case. C. L. Coyle. Des. 72,602; May 10.
Vanity case. A. Frech. Des. 72,655; May 10.
Vapor condenser. J. J. Wilt. 1,628,210; May 10.
Vapor generator. R. H. Collingham. 1,628,391; May 10.
Vegetable, animal, or artificial fibers with dyes or other liquids, Apparatus for treating. J. Schlumpf. 1,628,557; May 10.
Vehicle. J. H. Hertner and E. H. Remde. 1,628,145; May 10.
Vehicle. N. P. Larsen. 1,627,911; May 10.
Vehicle and casket coach, Convertible passenger. H. A. Chandler. 1,627,833; May 10.
Vehicle, Automotive. R. W. Bailey. 1,628,350; May 10.
Vehicle brake. T. P. Chase. 1,627,834; May 10.
Vehicle springs, Snubber attachment for. W. Blackmore. 1,628,386; May 10.
Vehicle wheel. C. W. Clark. 1,628,578; May 10.
Vehicle wheel. J. H. Wagenhorst. 1,628,628; May 10.
Vehicle wheel, Metal. W. M. Trout and C. B. Des Jardins. 1,627,717; May 10.
Vehicles, Electric speed control for motor. H. L. Mason. 1,627,985; May 10.
Vehicles, Emergency door apparatus for. R. D. Conklin. 1,627,728; May 10.
Vehicles, Folding top for. J: H. Teachout. 1,627,716; May 10.
Vehicles, Fuel-reserve supply systems for motor. F. Jerdone, jr. 1,628,150; May 10.
Vehicles, Pneumatic steering device for. B. J. Martin. 1,627,568; May 10.
Vehicles, Power transmission for. J. H. Schurch. 1,627,712; May 10.
Vending apparatus. H. B. Cooley. 1,627,837; May 10.
Vending apparatus for liquids. R. R. Robinson. 1,628,194; May 10.
Vending machine. A. D. Antoine and A. E. Gebert. 1,627,547; May 10.
Vending machine, Eskimo-pie. A. Probst. 1,627,865; May 10.
Vending machines, Coin-slot mechanism for. N. P. Petersen. 1,628,062; May 10.
Vibration dampener. A. F. Masury. 1,627,917; May 10.
Viscous materials, Grinding. H. F. Winslow. 1,628,211; May 10.
Visor, Automobile. W. E. Kempton and J. Rucker. 1,627,975; May 10.
Wafers, Machine for applying top coatings of comminuted materials to confection-coated. F. G. Salerno. 1,627,577; May 10.
Waist pattern, Adjustable. J. J. Walsh. 1,628,343; May 10.
Wall. E. Berliner. 1,628,351; May 10.
Wall construction. J. F. Makowski. 1,627,913; May 10.
Wall construction. J. McKenzie. 1,627,986; May 10.
Washing compound. S. I. Welsher. 1,628,015; May 10.
Washing machine. F. H. Ehnts. 1,627,730; May 10.
Washing-machine tub. S. E. Schroeder. 1,627,931; May 10.
Washing machines, Soap door for. E. J. Perry. 1,627,803; May 2.
Watchcase and making same. G. T. Bates. 1,627,765; May 10.
Watches, clocks, and other devices, Determining the error in. E. Wolf. 1,628,214; May 10.
Water, Apparatus for filtering and purifying. C. H. Perry. 1,628,510; May 10.
Water cooler. F. A. Phillippi. 1,627,574; May 10.
Water heater. W. J., E., and G. M. Towles. 1,628,341; May 10.
Water heater, Electric. J. J. Underwood. 1,627,875; May 10.
Water heater, Feed-. M. F. Cox. 1,627,595; May 10.
Water ski. T. J. Lease. 1,628,368; May 10.
Water softener. O. W. Johnson. 1,628,541; May 10.
Water softeners, Automatic control mechanism for. A. C. Hougland and L. G. Lindsay. 1,627,903; May 10.
Water systems, Hydropneumatic controller for. G. Muffly. 1,628,265; May 10.
Water trap, Automatic. P. C. Ribes. 1,628,430; May 10.
Water-tube boiler. F. C. Stimmel. 1,628,005; May 10.
Water-tube boiler. L. R. Stowe. 1,627,871; May 10.
Waterproofing composition and making same. A. N. Nelsen. 1,628,370; May 10.
Web-feeding mechanism. L. Jensen. 1,627,905; May 10.
Web-winding machine. N. Marcalus. 1,628,323; May 10.
Weed-cutting device. W. L. Paul. 1,628,422; May 10.
Weighing and filling machine. L. D. Nelson. 1,628,178; May 10.
Welding machine, Arc-. G. C. Hubble. 1,628,148; May 10.
Welding, Method of and apparatus for. P. E. Hunter. 1,628,245; May 10.
Well-drilling apparatus. W. Sheldon. 1,628,282; May 10.
Wheel: *See*—
Elastic wheel. Vehicle wheel.
Resilient wheel.
Wheel construction, Metal. E. E. Einfeldt. 1,627,772; May 10.
Wheels, Constructing metal. E. W. Buquet. 1,627,953; May 10.
Winding and dyeing apparatus. R. G. Jennings. 1,627,849; May 10.
Winding machine. N. Marcalus. 1,628,322; May 10.
Winding machine and method. H. S. Woodruff. 1,627,681; May 10.
Windmill. A. Chaussier. 1,628,490; May 10.
Windmills, Automatic control for. P. J. Nolan. 1,627,990; May 10.
Windshield cleaner, Automatic. J. L. Nilson and J. F. Prince. 1,627,989; May 10.

Windshield screen. P. G. Wood. 1,627,760; May 10.
Windshield-wing mounting. L. R. Scott. 1,628,200; May 10.
Windshield wiper. E. O. Sather. 1,628,198; May 10.
Window. A. F. Masury. 1,627,916; May 10.
Window and balancing sheet-metal sashes, Sheet-metal. G. W. Lancaster. 1,627,653; May 10.
Window-cleaning device. M. Hayes. 1,628,593; May 10.
Window construction. F. J. Plym. 1,628,187; May 10.
Window-raising device. W. F. Fredericks. 1,627,697; May 10.
Window screen. R. P. Willig. 1,628,485; May 10.
Windows, shutters, and similar appliances, Device for opening and closing. J. L. Stowers. 1,627,580; May 10.
Wire fabric, Woven-. D. G. Harvey. 1,627,897; May 10.
Wires, Manufacture of very thin. G. L. Hertz. 1,627,971; May 10.
Wireless telephony, System of secret. F. W. Kranz. 1,628,411; May 10.
Wrapper. E. H. Radford. 1,628,429; May 10.
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Wrench. H. M. Hutchinson. 1,627,778; May 10.
Wrench. S. Mandl. 1,628,467; May 10.
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Clothes wringer.
Writer's guide. G. Yenofklan. 1,628,347; May 10.
X-Ray apparatus. J. B. Wantz. 1,628,014; May 10.
X-ray operating table. J. J. Grobe. 1,628,043; May 10.
Yarn cleaner. V. Waitkus. 1,628,523; May 10.

CLASSIFICATION OF PATENTS

ISSUED MAY 10, 1927.

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45: 1,627,738
55: 1,628,534
61: 1,628,280
122: 1,628,535
165: 1,627,951
261— 39: 1,627,947
51: 1,627,845
72: 1,628,357
117: 1,628,471
262— 30: 1,628,329
264— 10: 1,628,271
265— 24: 1,627,586
27: 1,627,710
48: 1,628,110
65: 1,628,205
71: 1,627,702
266— 5: 1,627,682
267— 28: 1,628,508
44: 1,628,561
47: 1,628,371
48: 1,628,386
66: 1,627,695
268— 11: 1,628,011
123: 1,627,580
129: 1,627,697
271— 2.3: 1,628,020
2.5: 1,627,905
13: 1,628,225
27: 1,628,224
29: 1,627,920
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273— 2: 1,628,446
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19: 1,627,573
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137: 1,628,412
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275— 2: 1,628,546
277— 61: 1,628,069
278— 43: 1,628,123
279— 123: 1,628,476
280— 33.1: 1,627,910
1,627,911
33.13: 1,628,038
33.15: 1,627,885
33.44: 1,627,908
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285— 90: 1,628,302
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290— 7: 1,627,903
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289: 1,627,709
293— 54: 1,628,131
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119: 1,628,563
296— 16: 1,627,833
48: 1,627,579
84: 1,628,200
94: 1,627,760
95: 1,627,975
105: 1,627,716
297— 8: 1,628,140
299— 19: 1,628,118
61: 1,628,041
63: 1,627,686
73: 1,628,458
300— 1: 1,627,704
2: 1,627,787
301— 6: 1,628,626
9: 1,627,772
36: 1,628,578
63: 1,627,561
64: 1,627,717
302— 23: 1,627,606
59: 1,627,926
303— 6.1: 1,628,350
16: 1,628,312
1,628,453
1,628,464
56: 1,628,319
1,628,452
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45: 1,627,901
308— 11: 1,628,630
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143: 1,627,868
190: 1,627,558

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS

All in One Hair Brush Co. (See Eyster, Ray W.)

Ambalov, Alex. E., Seattle, Wash. Educational charts in the form of phonographic records. 227,856; May 17; Serial No. 226,120; published Mar. 1, 1927.

American Automatic Products Corporation, Chicago, Ill. Phonographs and parts thereof. 227,913; May 17; Serial No. 148,050; published Mar. 8, 1927.

American Bosch Magneto Corporation, Springfield, Mass. Windshield wipers of the squeegee type. 227,996; May 17.

American Chicle Company, Long Island City, N. Y. Chewing gum. 227,859; May 17; Serial No. 227,339; published May 4, 1926.

American Fomon Company. (See Thomas, I. P., & Son Co., assignors.)

American Lithograph Company of California. (See Swartz, Charles.)

American Photo-Engravers Association, Chicago, Ill. Publication. 227,873; May 17; Serial No. 242,978; published Mar. 8, 1927.

American Smelting & Refining Company, New York, N. Y., and San Francisco, Calif. Lead, solder, and babbitt, and metals and metal alloys, etc. 227,823; May 17; Serial No. 225,541; published Mar. 8, 1927.

American Tissue Mills, Holyoke, Mass. Crepe paper of various colors, etc. 227,763; May 17; Serial No. 242,700; published Mar. 8, 1927.

Ancestral Medicine Co., Osawatomie, Kans. Medicine. 227,955; May 17; Serial No. 241,855; published Mar. 8, 1927.

Andre-White Corporation, Chicago, Ill. Apparatus for humidifying and purifying air. 227,724; May 17; Serial No. 241,374; published Mar. 8, 1927.

Andre-White Corporation, Chicago, Ill. Heating-radiator humidifying shields and covers. 227,725; May 17; Serial No. 241,375; published Mar. 8, 1927.

Arco Battery & Plate Co., Fort Wayne, Ind. Battery plates and ignition storage batteries. 227,942; May 17; Serial No. 234,688; published Mar. 1, 1927.

Arlington Rubber Company, Everett, Mass. Golf balls. 227,743; May 17; Serial No. 243,189; published Mar. 8, 1927.

Associated Silver Company, Chicago, Ill. Silver-plated knives. 227,951; May 17; Serial No. 241,689; published Mar. 1, 1927.

Atlantic Enamel and Lacquer Works, Inc., The, New York, N. Y. Paste and ready-mixed paints, varnishes, and lacquers. 227,801; May 17; Serial No. 241,919; published Mar. 8, 1927.

Babcock, A. P., Company, New York, N. Y. Cologne. 227,973; May 17; Serial No. 240,238; published Mar. 8, 1927.

Baker-Mayes Co., South Omaha, Nebr. Preparation for the treatment of necrotic enteritis, flu, etc. 227,737; May 17; Serial No. 243,080; published Mar. 8, 1927.

Barclay, William, doing business as Barclay Brothers, Barre, Vt. Memorials, monuments, headstones, and markers. 228,018; May 17.

Bassick Manufacturing Company, The, Chicago, Ill. Condensers to be connected with the radiators of internal-combustion engines. 227,855; May 17; Serial No. 226,037; published Mar. 8, 1927.

Baton Rouge Coffee Mills. (See Saurage, Henry N.)

Bauer & Black, Chicago, Ill. Corn and bunion plasters. 61,894; renewed Apr. 2, 1927.

Bauer & Black, Chicago, Ill. Corn and bunion plasters. 61,937; renewed Apr. 9, 1927.

Beauchamp, Mrs. Dora F., doing business as Doro-Bo Co., Brooklyn, N. Y. Automobile rear-view mirrors. 227,768; May 17; Serial No. 241,768; published Mar. 8, 1927.

Beck, Thos. J., doing business as The Lu-Lu Company, Harrisburg, Pa. Beverage and sirup for making the same. 227,744; May 17; Serial No. 243,191; published Mar. 8, 1927.

Benoni, Battista, Padova, Italy. Dusting cloths. 227,967; May 17; Serial No. 238,157; published Mar. 8, 1927.

Benso-Gas Motor Fuel Company, Kansas City, Mo. Gasoline. 227,994; May 17; Serial No. 241,314; published Mar. 8, 1927.

Bernard Rice's Sons, Inc., New York, N. Y. Silver hollow ware. 227,950; May 17; Serial No. 241,677; published Mar. 1, 1927.

Berrite Limited. (See Copal Varnish Co. Ltd., The, assignor.)

Bianchini, Ferier, Lyons, France. Piece goods of silk, wool, and hairs. 227,989; May 17; Serial No. 241,028; published Mar. 8, 1927.

Bi-A-Pak Cigarette Vending Machine Co. (See Leschin, Samuel A.)

Bigney, Sidney O., assignor to S. O. Bigney Company, Attleboro, Mass. Filled chains of all kinds. 65,016; renewed Sept. 3, 1927.

Birmingham Tank Company, The, Birmingham, Ala. Steel storage tanks. 227,941; May 17; Serial No. 234,290; published Mar. 8, 1927.

Bishop, S & C. & Co., to S. & C. Bishop & Co., Ltd., St. Helens, England, successor. Water-gauge glasses. 58,235; renewed Dec. 11, 1926.

Blackledge, E. E., doing business as E. E. Blackledge Co. Polson, Mont. Waterproof leather dressing. 227,762; May 17; Serial No. 242,653; published Mar. 8, 1927.

Blackley, James C., doing business as Sorine Chemical Co., Richmond, Va. Instant relief and healing lotion for the treatment of gall sores, stiff joints, etc. 227,885; May 17; Serial No. 243,252; published Mar. 8, 1927.

Blue Bird Tube Co. (See Chirls, Ben.)

Blue Hill Candy Co., St. Louis, Mo. Candies. 227,864; May 17; Serial No. 242,773; published Mar. 8, 1927.

Bradford Packing Co. (See Matoska, John.)

Brookman Manufacturing Co., Chicago, Ill. Cold-water paste for wall paper. 227,844; May 17; Serial No. 238,427; published Mar. 8, 1927.

Brown, Sidney R., doing business as Port-Houston Polish Company, Houston, Tex. Polishes and cleanser. 227,771; May 17; Serial No. 241,693; published Mar. 8, 1927.

Bruner, S., Inc., New York, N. Y. Watchcases and watches. 227,838–9; May 17; Serial Nos. 239,085–6; published Mar. 1, 1927.

Bruner, S., Inc., New York, N. Y. Watchcases and watches. 227,840; May 17; Serial No. 239,083; published Mar. 1, 1927.

Bruner, S., Inc., New York, N. Y. Watchcases and watches. 227,968; May 17; Serial No. 239,084; published Mar. 1, 1927.

Buegeleisen & Jacobson, New York, N. Y. Brass band and wood-wind musical instruments, and parts thereof, etc. 228,004; May 17.

Buegeleisen & Jacobson, New York, N. Y. Violins, cellos, violin and cello bows, etc. 228,005; May 17.

Caledonia Springs Company, Limited, Montreal, Quebec, Canada. Beverages and ginger ale. 227,952; May 17; Serial No. 241,694; published Mar. 8, 1927.

Capto Products Co. Inc., Belleville, N. J. Preparation for the treatment of corns, warts, and calli. 227,796; May 17; Serial No. 242,083; published Mar. 8, 1927.

Chandlee, H. P., Sons Co., doing business as Chandlee Metal Products Co., Baltimore, Md. Refuse receptacles. 227,983; May 17; Serial No. 240,595; published Mar. 8, 1927.

Chicago Flexible Shaft Company, Chicago, Ill. Electric flatirons. 227,793; May 17; Serial No. 242,090; published Mar. 1, 1927.

Chicago Flexible Shaft Company, Chicago, Ill. Electric flatirons. 227,794; May 17; Serial No. 242,089; published Mar. 1, 1927.

Chicago Flexible Shaft Company, Chicago, Ill. Electric flatirons. 227,795; May 17; Serial No. 242,085; published Mar. 1, 1927.

Chicago Golfer Publishing Co., Chicago, Ill. Magazine. 227,878; May 17; Serial No. 243,139; published Mar. 8, 1927.

Chicago Macaroni Co., Chicago, Ill. Alimentary products. 227,800; May 17; Serial No. 241,986; published Mar. 1, 1927.

Chirls, Ben., doing business as Blue Bird Tube Co., New York, N. Y. Electron (vacuum) tubes. 227,932; May 17; Serial No. 230,872; published Mar. 1, 1927.

Chisholm, Albert E., Pasadena, Calif. Sprinkling systems and parts thereof. 227,944; May 17; Serial No. 235,113; published Mar. 8, 1927.

Civic Press, The, New York, N. Y. Annual publication. 227,870; May 17; Serial No. 243,587; published Mar. 8, 1927.

Clawson, Monroe S., Upper Montclair, N. J. Metal shades for electric lights. 227,780; May 17; Serial No. 241,894; published Mar. 8, 1927.

Coal Hill Mining Company, Inc. Du Bois, Pa. Coal. 228,001; May 17.

College Inn Food Products Co., Chicago, Ill. Canned food product. 227,866; May 17; Serial No. 242,820; published Mar. 8, 1927.

Compañia General De Aceites De Oliva, S. A., Seville, Spain. Olive oils. 227,918; May 17; Serial No. 204,220; published Mar. 8, 1927.

Condé Nast Publications, Inc., The, New York, N. Y., and Greenwich, Conn. Paper dress patterns. 227,966; May 17; Serial No. 237,654; published Mar. 8, 1927.

Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn. Electric insulating compound. 227,985; May 17; Serial No. 240,699; published Mar. 1, 1927.

Conrad Company Inc., The, New York, N. Y. Magazines. 227,875; May 17; Serial No. 243,035; published Mar. 8, 1927.

Copal Varnish Co. Ltd., The, London, England, assignor to Berrite Limited, Hayes, England. Paints, varnishes, and anticorrosive paints. 60,270; renewed Feb. 5, 1927.

Co-Quin-Ol Company, The. (See Zink, Edward A.)

Cruz, Jose, Ansonia, Conn. Automobile rim for the wheels of automobiles. 227,792; May 17; Serial No. 242,173; published Mar. 8, 1927.
Crystal Malt Products Co. (See Mitts, J. W.)
David, John, New York, N. Y. Men's suits and overcoats. 228,008; May 17.
Davis Cooperage Company, Martinsville, Ind. Wooden kegs. 227,735; May 17; Serial No. 242,881; published Mar. 8, 1927.
Davis, John H., Company, San Francisco, Calif. Sack twine. 227,845; May 17; Serial No. 238,106; published Mar. 8, 1927.
Dawn Donut Company of Jackson, Jackson, Mich. Doughnuts and doughnut mixture. 227,939; May 17; Serial No. 233,482; published Mar 8, 1927.
Deck, John, doing business as Washington Product Co., Cincinnati, Ohio. Nonfreeze solution for automobile radiators. 227,876; May 17; Serial No. 243,037; published Mar. 8, 1927.
Dell Publishing Company, New York, N. Y. Magazine. 227,909; May 17; Serial No. 243,645; published Mar. 8, 1927.
De Long Hook and Eye Company, The, Philadelphia, Pa. Sanitary napkins. 227,867; May 17; Serial No. 242,823; published Mar. 8, 1927.
Delta Electric Co., Marion, Ind. Electric vehicle lamps. 227,799; May 17; Serial No. 241,990; published Mar. 8, 1927.
Devlin, Thomas, Manufacturing Company, Philadelphia, Pa. Gray iron, malleable iron, and brass plumbing supplies. 227,836; May 17; Serial No. 239,334; published Mar. 8, 1927.
Diederich, Henry, Brooklyn and Valley Stream, N. Y. Rusk. 227,914; May 17; Serial No. 180,112; published Sept. 2, 1924.
Dixie Pecan Growers Exchange, Inc., Barnesville, Ga. Pecans. 227,756; May 17; Serial No. 242,524; published Mar. 8, 1927.
Dixon, James & Sons, to James Dixon & Sons, Limited, Sheffield, England, successor. Solid and plated precious-metal ware. 64,240; renewed July 30, 1927.
Donelson, Lewis R., Jr., Memphis, Tenn. Baking powder. 227,729; May 17; Serial No. 242,576; published Mar. 8, 1927.
Doob, M., Sons & Company, New York, N. Y. Handkerchief. 227,770; May 17; Serial No. 241,701; published Mar. 8, 1927.
Doolittle, William W., doing business as Royal Maize Co., Columbus, Ohio. Cleaning preparation for use on silk. 227,924; May 17; Serial No. 216,027; published Oct. 6, 1925.
Doro-Bo Co. (See Beauchamp, Mrs. Dora F.)
Driver-Harris Company, Harrison, N. J. Resistance wire, ribbon, strips, and rods. 227,851; May 17; Serial No. 241,876; published Mar. 1, 1927.
Duluth-Superior Milling Company, Duluth, Minn. and New York, N. Y. Durum semolina. 227,764; May 17; Serial No. 242,712; published Mar. 8, 1927.
Dundas Bros. Co., Inc., Philadelphia, Pa. Self-rising flour. 227,826; May 17; Serial No. 225,874; published Mar. 8, 1927.
Du Pont, E. I., Company, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Gunpowder. 64,355–6; renewed Aug. 6, 1927.
Du Pont, E. I. de Nemours and Company. (See Eastern Dynamite Company, The, assignor.)
Du Pont, E. I. de Nemours and Company. (See Hazard Powder Company, The, assignor.)
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuffs. 227,749; May 17; Serial No. 242,368; published Mar. 8, 1927.
Du Pont Viscoloid Company (Incorporated), Leominster, Mass. Nonmetallic barrettes, hairpins, and combs. 228,011; May 17.
Earth Mover Publishing Co. (See Western Wheeled Scraper Co.)
Eastern Dynamite Company, The, Kenvil, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Electric blasting machines and electrical insulating wire. 64,606; renewed Aug. 13, 1927.
Eastman Kodak Company, Rochester, N. Y. Albums. 227,765–6; May 17; Serial No. 242,713–14; published Mar. 8, 1927.
Eaton-Dikeman Co., The, Lee, Mass. Blotting paper. 228,019–21; May 17.
Eaton-Dikeman Co., The, Lee, Mass. Enamel blotting paper. 228,022; May 17.
Eigholz, J. L., doing business as Irogen Co., Los Angeles, Calif. Electromagnetic belts for medical purposes. 227,874; May 17; Serial No. 242,987; published Mar. 8, 1927.
Electrol, Inc. of Missouri, St. Louis, Mo. Domestic oil burners. 227,948; May 17; Serial No. 241,522; published Mar. 8, 1927.
Emsaco Laboratories, Inc., Brooklyn, N. Y. Laxatives. 227,802; May 17; Serial No. 241,402; published Mar. 8, 1927.
Erie Malleable Iron Company, Erie, Pa. Electrical fittings. 227,815; May 17; Serial No. 222,667; published Mar. 8, 1927.
Euster, Robert, doing business as Wine Taste Laxative Co., Middlesboro, Ky. Laxative medicine. 227,730; May 17; Serial No. 242,579; published Mar. 8, 1927.
Excelsior Radio Co. (See Lieberman, Jacob P.)
Eyster, Ray W., doing business as All in One Hair Brush Co., Chicago, Ill. Hairbrushes. 227,917; May 17; Serial No. 203,941; published Mar. 8, 1927.
Fairchild Bros. & Foster, New York, N. Y. Digestive preparation of the gastric juice. 65,397; renewed Sept. 24, 1927.
Falck, James S., doing business as Squanette Plant Fude Company, Washington, D. C. Plant foods. 227,791; May 17; Serial No. 242,174; published Mar. 8, 1927.
Filter-Flex Radio Corp., Los Angeles, Calif. Radio receiving sets. 227,767; May 17; Serial No. 242,717; published Mar. 8, 1927.
Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 227,757; May 17; Serial No. 242,530; published Mar. 8, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Pneumatic tires. 227,726; May 17; Serial No. 241,406; published Mar. 8, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires. 227,727; May 17; Serial No. 241,475; published Mar. 8, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Rubber cement. 227,853; May 17; Serial No. 241,816; published Mar. 1, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., Cudahy, Wis. Vehicle tires. 227,907; May 17; Serial No. 243,467; published Mar. 8, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Tire and tube patches and repair outfits. 227,946; May 17; Serial No. 241,476; published Mar. 8, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Rubber inner tubes, tire and tube patches, repair kits, etc. 227,953; May 17; Serial No. 241,817; published Mar. 8, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Vehicle tires. 227,956; May 17; Serial No. 241,994; published May 8, 1927.
Forbes Bros. Tea & Spice Co., St. Louis, Mo. Coffee, tea, cocoa, spices, etc. 227,896; May 11; Serial No. 236,477; published Mar. 1, 1927.
Forbes Bros. Tea & Spice Co., St. Louis, Mo. Tea, cocoa, spices, canned fruits, etc. 227,945; May 17; Serial No. 236,475; published Mar. 1, 1927.
Forhan Company, New York, N. Y. Antiseptics. 227,722; May 17; Serial No. 240,970; published Feb. 22, 1927.
Fraker Coal Company, The, Denver, Colo. Coal. 227,895; May 17; Serial No. 228,421; published Sept. 28, 1926.
French, R. T., Company, The, Rochester, N. Y. Mustard. 227,832; May 17; Serial No. 239,978; published Mar. 1, 1927.
French, R. T., Company, The, Rochester, N. Y. Mustard, spices, cooking herbs, etc. 227,833; May 17; Serial No. 239,977; published Mar. 8, 1927.
Frost, Harold L., doing business as Frost Farms, Littleton and Arlington, Mass. Fresh deciduous fruits. 227,890; May 17; Serial No. 242,423; published Mar. 8, 1927.
G. and M. Chemical Co., Tulsa, Okla. Hair restorer. 227,828; May 17; Serial No. 225,918; published Mar. 8, 1927.
Garfinkel & Ritter, New York, N. Y. Slips. 228,013; May 17.
Garrett & Company, Inc., Brooklyn, N. Y. General tonic. 227,781; May 17; Serial No. 240,182; published Mar. 8, 1927.
Gebrüder Thiel Gesellschaft mit beschrankter Haftung, Huhla, Thuringia, Germany. Watches and parts thereof. 227,905; May 17; Serial No. 241,336; published Mar. 1, 1927.
Glassmobile Corporation, Detroit, Mich. Electric spotlights for vehicles. 227,786; May 17; Serial No. 242,230; published Mar. 8, 1927.
Goldenripe Fruits, Inc., San Jose, Calif. Dried fruits. 227,740; May 17; Serial No. 243,149; published Mar. 8, 1927.
Goldman & Freiman Bottling Co., Inc., Baltimore, Md. Ginger ale and other flavors. 227,954; May 17; Serial No. 241,821; published Mar. 8, 1927.
Goodman & Suss Inc., Rochester, N. Y. Suits. 228,003; May 17.
Gordon Drug Company, Chattanooga, Tenn. Medicine. 227,804; May 17; Serial No. 242,888; published Mar. 8, 1927.
Graceton Coal and Coke Company, Vintondale, Pa., and New York, N. Y. Coal and coke. 228,000; May 17.
Grafeman-McIntosh Ice Cream Co., St. Louis, Mo. Dairy products. 227,819; May 17; Serial No. 225,356; published Mar. 8, 1927.
Graff Furnace Co., The, New York, N. Y., assignor to Hero Furnace Company, Sycamore, Ill. Furnaces. 63,907; renewed July 16, 1927.
Gray Miller Corporation, Fernwood, Pa. Liquid flea soap. 227,784; May 17; Serial No. 242,336; published Mar. 8, 1927.
Gray, William S., & Co., New York, N. Y. Chemical products. 227,829; May 17; Serial No. 240,076; published Mar. 8, 1927.
Great Lakes Varnish Works, Inc., Chicago, Ill. Paints. 227,758; May 17; Serial No. 242,584; published Mar. 8, 1927.
Greenberg, Henry, Brooklyn, N. Y. Hones. 227,755; May 17; Serial No. 242,479; published Mar. 8, 1927.

Guiterman Bros., to Guiterman Bros. Inc., St. Paul, Minn., successor. Clothing. 65,096; renewed Sept. 10, 1927.
Haas-Lieber Grocery Co., St. Louis, Mo. Canned peaches, tomatoes, and flavoring extracts. 64,385; renewed Aug. 6, 1927.
Haas-Lieber Grocery Co., St. Louis, Mo. Baking powder. 64,461; renewed Aug. 6, 1927.
Haskins Brothers & Company, Sioux City, Iowa, and Omaha, Nebr. Bath, toilet, and shampoo soap. 227,902; May 17; Serial No. 243,361; published Mar. 8, 1927.
Havemeyer Oil Company, New York, N. Y., assignor, by mesne assignments, to Indian Refining Company, Lawrenceville, Ill. Oils and greases for gas engines and automobiles. 61,806; renewed Apr. 9, 1927.
Hazard Powder Company, The, Hazardville, Conn., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Gunpowder. 64,359–60; renewed Aug. 6, 1927.
Heine & Co., New York, N. Y. Perfumes and natural and synthetic oils suitable for perfumery purposes. 227,738; May 17; Serial No. 243,090; published Mar. 8, 1927.
Hemingway, H. F., & Co., Baltimore, Md. Canned fruits and vegetables. 65,051; renewed Sept. 3, 1927.
Hero Furnace Company. (See Graff Furnace Co., The, assignor.)
Hershey Chocolate Company, Hershey, Pa. Flavoring for ice cream and other foods. 227,937; May 17; Serial No. 233,075; published Mar. 1, 1927.
Hires, Charles E., Company, The, to The Charles E. Hires Co., Philadelphia, Pa., successor. Root beer. 63,687; renewed May 21, 1927.
Hirsch Bros. & Co. Inc., Louisville, Ky. Pickles. 227,903; May 17; Serial No. 243,438; published Mar. 8, 1927.
Horigan, Joseph A., doing business as Horigan Manufacturing Company, Kansas City, Mo. Preparation for chapped hands and face cuts and lacerations, etc. 227,741; May 17; Serial No. 243,156; published Mar. 8, 1927.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, talcum powder, bath salts, etc. 227,879; May 17; Serial No. 243,158; published Mar. 8, 1927.
Houghton, E. F., & Co., Philadelphia, Pa. Lubricating oils. 227,927; May 17; Serial No. 229,968; published Mar. 8, 1927.
Hoyle, Joshua, & Sons, Ltd. Inc., New York, N. Y. Woolen and cotton piece goods, woolen blankets, automobile robes, etc. 227,723; May 17; Serial No. 241,104; published Mar. 8, 1927.
Huff Daland Airplanes, Inc., Bristol, Pa. Airplanes. 227,813; May 17; Serial No. 242,952; published Mar. 8, 1927.
Hye-Amp Battery Co., Denver, Colo. Aerial insulators and radiopanels, air circuit breakers, switches, coils, etc. 227,920; May 17; Serial No. 207,189; published Mar. 8, 1927.
Hylton Flour Mills, Inc., Ogden, Utah. Wheat flour. 227,776; May 17; Serial No. 241,572; published Mar. 8, 1927.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Berlin, Germany. Cameras and parts therefor. 227,847; May 17; Serial No. 237,498; published Mar. 8, 1927.
Indian Refining Company. (See Havemeyer Oil Company, assignor.)
International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Containers. 227,911; May 17; Serial No. 236,936; published Jan. 25, 1927.
International Musical Corporation, Jersey City and Hoboken, N. J. Musical instruments of the zither type. 227,835; May 17; Serial No. 239,369; published Mar. 8, 1927.
Interstate Laboratories, Inc., Atlanta, Ga. Medical preparation for the treatment of hyperacidity, fermentation, and gas formation. 227,959; May 17; Serial No. 242,196; published Mar. 8, 1927.
Irogen Co. (See Eigholz, J. L.)
Ironsides Company, The, Columbus, Ohio. Lubricating oils and greases and special lubricants. 227,719; May 17; Serial No. 240,659; published Mar. 1, 1927.
Italy Laboratories. (See Martino, Antonio R.)
Jacobs, Mortimor, Newark, N. J. Venereal prophylactic. 227,805; May 17; Serial No. 242,890; published Mar. 8, 1927.
Jaenicke, August L., assignor to Kansas Egg & Poultry Co., Hillsboro, Kans. Eggs. 65,875; renewed Sept. 24, 1927.
Jewell, Ira H., doing business as Jewell Water Co., Chicago, Ill. Distilled water. 227,745; May 17; Serial No. 243,272; published Mar. 8, 1927.
Johnson Motor Co., South Bend, Ind. Rowboats and motor boats. 227,850; May 17; Serial No. 241,886; published Mar. 8, 1927.
Jordan Marsh Company, Boston, Mass. Textile mattress covers. 227,971; May 17; Serial No. 239,661; published Mar. 8, 1927.
K. O. Supply Company, Inc., Portland, Oreg. Dog and puppy biscuits. 227,759; May 17; Serial No. 242,594; published Mar. 8, 1927.
Kansas Egg & Poultry Co. (See Jaenicke, August L., assignor.)
Kansas Flour Mills Corporation, The, doing business as The Moses Bros. Mills, Kansas City, Mo., and Great Bend, Kans. Wheat flour. 227,986; May 17; Serial No. 240,721; published Mar. 8, 1927.
Kenova Ice & Cold Storage Co., Kenova, W. Va. Soap. 227,860; May 17; Serial No. 242,727; published Mar. 8, 1927.
Keys & Lockwood, New York, N. Y. Neckties and scarfs. 228,007; May 17.
Kimsey, Lucien C., doing business as The Mello-Mix Co., Oklahoma City, Okla. Beverages. 227,931; May 17; Serial No. 230,742; published Mar. 8, 1927.
La Main. (See Spencer Perfume Company.)
Lancaster Farms Hatchery, Lancaster, Ohio. Live poultry. 227,827; May 17; Serial No. 225,885; published Mar. 8, 1927.
Larabee Flour Mills Company, The, doing business as The Monarch Milling Company, Kansas City, Mo. Wheat flour. 227,831; May 17; Serial No. 240,031; published Mar. 8, 1927.
La Salle Products, Inc., St. Paul, Minn. Perfume, toilet water, talcum powder, rouge, brilliantine, etc. 227,783; May 17; Ser. No. 242,673; published Mar. 8, 1927.
Leon, L. J., Mfg. Company, Chicago, Ill. Bird cages. 227,957; May 17; Serial No. 242,010; published Mar. 8, 1927.
Leonhardt & Co., Schoeneberg, Germany. Horseshoe studs. 227,775; May 17; Serial No. 241,577; published Mar. 8, 1927.
Lepel Ignition Corporation, New York, N. Y. Current converters and interrupters for spark plugs and parts thereof. 227,993; May 17; Serial No. 241,289; published Mar. 1, 1927.
Le Ripolin .Société Anonyme Francaise de Peintures Laquées et d'Enduits Sous-Marins Procédés Lefranc & Briegleb Réunis), Paris, France, and Amsterdam, Netherlands. Enamel paint. 61,062; renewed Mar. 5. 1927.
Leschin, Samuel A., doing business as Bi-A-Pak Cigarette Vending Machine Co., Cleveland, Ohio. Vending machines. 227,963; May 17; Serial No. 242,378; published Mar. 8, 1927.
Leslie California Salt Co., San Francisco, Calif. Table salt. 227,958; May 17; Serial No. 242,013; published Mar. 8, 1927.
Lester Piano Company, Philadelphia, Pa. Pianos. 227,783; May 17; Serial No. 242,342; published Mar. 8, 1927.
Lieberman, Jacob P., doing business as Excelsior Radio Co., Brooklyn, N. Y. Radio sets and parts thereof. 227,943; May 17; Serial No. 234,714; published Mar. 8, 1927.
Liscio, C., & Company, New York, N. Y. Blood purifier. 227,718; May 17; Serial No. 240,612; published Mar. 8, 1927.
Lisner, D., & Co. Inc., New York, N. Y. Jewelry for personal adornment, not including watches. 227,750; May 17; Serial No. 242,380; published Mar. 8, 1927.
Little Bear Specialties Company, Kansas City, Mo. Metal hatracks. 227,979; May 17; Serial No. 240,422; published Mar. 8, 1927.
Lu-Lu Company, The. (See Beck, Thos. J.)
Luxor Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof and loud speakers. 227,798; May 17; Serial No. 242,063; published Mar. 1, 1927.
Lyon & Healy, Inc., Chicago, Ill. Musical instruments. 227,824; May 17; Serial No. 225,616; published Mar. 1, 1927.
Mack, Horace M. B., doing business as Mack The Coffee Man, Lancaster, Pa. Coffee. 227,814; May 17; Serial No. 221,182; published Mar. 8, 1927.
MacRae, Albert, Chicago, Ill.; Los Angeles, Calif.; and New York, N. Y. Magazine. 227,868; May 17; Serial No. 242,841; published Mar. 8, 1927.
Major Equipment Company, Inc., Chicago, Ill. Theater-lighting equipment and apparatus, etc. 227,980–81; May 17; Serial Nos. 240,423–4; published Mar. 1, 1927.
Markwell Manufacturing Co., Inc., New York, N. Y. Staples for use in stapling together sheets of paper, fiber, cardboard, etc. 227,988; May 17; Serial No. 240,870; published Mar. 8, 1927.
Marti, Walter, doing business as Walters Manufacturing Company, Montreal, Quebec, Canada. Vinegar. 227,848; May 17; Serial No. 237,430; published Mar. 1, 1927.
Martin, Glenn L., Company, The, Cleveland, Ohio. Radio apparatus and accessories, etc. 227,821; May 17; Serial No. 225,435; published Mar. 8, 1927.
Martin, Glenn L., Company, The, Cleveland, Ohio. Battery eliminators for radio apparatus. 227,822; May 17; Serial No. 225,436; published Mar. 8, 1927.
Martini & Rossi, Turin, Italy. Wines. 227,926; May 17; Serial No. 229,450; published Mar. 8, 1927.
Martino, Antonio R., doing business as Italy Laboratories, New York, N. Y. Flavoring extracts. 227,976; May 17; Serial No. 240,273; published Mar. 8, 1927.
Mason Alfalfa Process Company, Philadelphia, Pa. Hays and ground feeds. 227,751; May 17; Serial No. 242,383; published Mar. 1, 1927.
Massachusetts Cotton Mills, Lowell, Mass., assignor to Massachusetts Cotton Mills, Inc., Boston, Mass. Textiles. 63,505; renewed June 25, 1927.

Matoska, John, doing business as Bradford Packing Co., Baltimore, Md. Canned vegetables. 227,754; May 17; Serial No. 242,434; published Mar. 8, 1927.
Matthael Baking Co., Tacoma, Wash. Bread, crackers, cakes, cookies, and buns. 227,760; May 17; Serial No. 242,601; published Mar. 8, 1927.
Mayer Arch Support Company, Milwaukee, Wis. Arch supporters. 227,769; May 17; Serial No. 241,738; published Mar. 8, 1927.
McGovern and McGovern, Seattle, Wash. Canned fish. 228,010; May 17.
McLoughlin, R. P., & Company, New York, N. Y. Underwear. 228,009; May 17.
Mead, Raynor, doing business as Tast-T-Mint Co., New York, N. Y. Medicated mint for the treatment of indigestion. 227,790; May 17; Serial No. 242,200; published Mar. 8, 1927.
Meadows Manufacturing Co., The, Bloomington, Ill. Washing machines. 227,842; May 17; Serial No. 238,797; published Mar. 8, 1927.
Mellorate Club Company, The, Akron, Ohio. Periodical. 227,747; May 17; Serial No. 243,552; published Mar. 8, 1927.
Mello-Mix Co., The. (See Kinsey, Lucien C.)
Metropolitan Newspaper Service, New York, N. Y. Cartoons. 227,748; May 17; Serial No. 243,553; published Mar. 8, 1927.
Metropolitan Newspaper Service, New York, N. Y. Cartoon strips. 227,869; May 17; Serial No. 243,555; published Mar. 8, 1927.
Metropolitan Newspaper Service, New York, N. Y. Cartoon strips. 227,908; May 17; Serial No. 243,554; published Mar. 8, 1927.
Mitts, J. W., doing business as Crystal Malt Products Co., Chicago, Ill. Malt extract. 227,731; May 17; Serial No. 242,603; published Feb. 22, 1927.
Mixing Equipment Co., Inc., New York, N. Y. Electrically-operated mixing equipment. 227,991; May 17; Serial No. 241,173; published Mar. 8, 1927.
Monarch Milling Company, The. (See Larabee Flour Mills Company.)
Moore, Lucas E., Stave Co., of Ga., Savannah, Ga. Wooden barrels and staves, headings, and shooks therefor. 227,742; May 17; Serial No. 243,164; published Mar. 8, 1927.
Morris, Jos. A., & Co., New York, N. Y. Magazine. 227,877; May 17; Serial No. 243,103; published Mar. 8, 1927.
Moses Bros. Mills, The. (See Kansas Flour Mills Corporation, The.)
National Appliances Installations, Inc., New York, N. Y. Oil burners. 227,736; May 17; Serial No. 242,961; published Mar. 8, 1927.
National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Bread and biscuit. 65,141; renewed Sept. 10, 1927.
National Tube Company, Pittsburgh, Pa. Metal couplings, pipes, tubes, and casings. 227,898; May 17; Serial No. 236,811; published Mar. 8, 1927.
Nelson, Adolph, doing business as The Synflex Company, Seattle, Wash. Electric belts. 227,777; May 17; Serial No. 241,494; published Mar. 8, 1927.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham, Switzerland, assignor to Nestlé's Food Company, Inc., New York, N. Y. Sterilized milk and condensed milk. 59,907; renewed Jan. 22, 1927.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham, Switzerland, assignor to Nestlé's Food Company, Inc., New York, N. Y. Condensed milk, butter, and cheese. 60,486; renewed Feb. 12, 1927.
New Era Milling Company, The, Arkansas City, Kans. Wheat flour. 62,945; renewed May 28, 1927.
New York Times Company, The, New York, N. Y. Daily newspapers. 227,904; May 17; Serial No. 243,450; published Mar. 8, 1927.
New York Times Company, The, New York, N. Y. Periodicals. 227,905; May 17; Serial No. 243,451; published Mar. 8, 1927.
New York Times Company, The, New York, N. Y. Publications. 227,906; May 17; Serial No. 243,452; published Mar. 8, 1927.
Nu-Tone Products Co. (See Parker, Alfred B.)
Odegard Company, The, Quakertown, Pa. Men's coats. 227,999; May 17.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 227,886; May 17; Serial No. 243,278; published Mar. 8, 1927.
Osborne Fruit & Vegetable Co., Fullerton, Calif. Oranges, lemons, grapefruit, grapes. 227,925; May 17; Serial No. 219,837; published Apr. 13, 1926.
Overton, Walter T., doing business as Overton Chemical Company, Sumner, Iowa. Disinfectant, deodorant, sterilizer, and germicide. 227,816; May 17; Serial No. 223,598; published Mar. 8, 1927.
Paine, Charles T., Redlands, Calif. Citrous fruits. 227,887; May 17; Serial No. 243,282; published Mar. 8, 1927.
Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 227,890; May 17; Serial No. 243,319; published Mar. 8, 1927.
Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 227,891; May 17; Serial No. 243,321; published Mar. 8, 1927.
Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 227,900; May 17; Serial No. 243,320; published Mar. 8, 1927.
Parfumerie Internationale Corday, Paris, France. Perfumes and toilet waters. 227,915; May 17; Serial No. 194,466; published Oct. 6, 1925.
Park Laboratory Company, San Antonio, Tex. Sarsaparilla for medicinal uses, carbolic salve, arnica, salve, etc. 227,961; May 17; Serial No. 242,348; published Mar. 8, 1927.
Parker, Alfred B., doing business as Nu-Tone Products Co., Portland, Oreg. Rug, carpet, upholstery, furniture, wall-paper, and enamel cleaner. 227,732; May 17; Serial No. 242,609; published Mar. 8, 1927.
Pepsol Chemical Company, assignor to Spurlock-Neal Co., Nashville, Tenn. Non-alcoholic carbonated beverage. 62,407; renewed May 7, 1927.
Perry, I. L., Dinuba, Calif. Fresh grapes. 227,888; May 17; Serial No. 243,285; published Mar. 8, 1927.
Phila. Home Made Bread Co., Philadelphia, Pa. Cake. 228,017; May 17.
Pilot Electric Manufacturing Co., Inc., Brooklyn, N. Y. Electric controlling devices, particularly reactors applied in radiocircuits. 227,820; May 17; Serial No. 225,033; published Mar. 1, 1927.
Port-Houston Polish Company. (See Brown, Sidney R.)
Portland Packing Co., Portland, Me. Canned corn. 63,105; renewed June 4, 1927.
Prokoneff, Ivan M., New York, N. Y. Salves and creams for the treatment of the hair and skin. 227,962; May 17; Serial No. 242,351; published Mar. 8, 1927.
Protected Metal Company, The, Canton, Mass., assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos and used for roofing. 57,415; renewed Nov. 13, 1926.
Protected Metal Company, The, Canton, Mass., assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos. 59,453; renewed Jan. 8, 1927.
Protected Metal Company, The, Canton, Mass., assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos and used for roofing. 57,472; renewed Nov. 13, 1926.
Pyrene Manufacturing Company, Newark, N. J. Heat indicators for internal-combustion engines. 227,734; May 17; Serial No. 242,796; published Mar. 8, 1927.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 227,977–8; May 17; Serial Nos. 240,365–6; published Mar. 1, 1927.
Randall Products Corporation, Stapleton, N. Y. Cream metal polish and cleaner. 227,789; May 17; Serial No. 242,210; published Mar. 8, 1927.
Record-O-Phone Company, Inc., doing business as the Record-O-Phone Sales Company, Washington, D. C. Machines for electrically recording sound on metal, etc. 227,893; May 17; Serial No. 227,603; published Mar. 1, 1927.
Remington Typewriter Company, Ilion and New York, N. Y. Adding and accounting machines. 227,965; May 17; Serial No. 242,440; published Mar. 8, 1927.
Reo Motor Car Company, Lansing, Mich. Automobiles. 227,984; May 17; Serial No. 240,682; published Mar. 8, 1927.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Tobacco. 227,720; May 17; Serial No. 240,733; published Mar. 8, 1927.
Rice and Hutchins, Inc., Boston, Mass. Women's leather shoes. 64,945; renewed Aug. 27, 1927.
Rife, J. F., doing business as The Rife Laboratory, Fresno, Calif. Combination cleaner, polish, and preservative for automobiles, etc. 227,992; May 17; Serial No. 241,183; published Mar. 8, 1927.
Rio Grande Valley Dairy Association, El Paso, Tex. Ice cream, whipping cream, butter, etc. 227,782; May 17; Serial No. 242,352; published Mar. 1, 1927.
Robertson, H. H. Company. (See Protected Metal Company, The, assignor.)
Roth Radio, Inc., New York, N. Y. Radio receiving sets, loud speakers, radio storage and B battery eliminators, etc. 227,897; May 17; Serial No. 236,775; published Mar. 1, 1927.
Rough, Albert J., doing business as Tryco Company, Minneapolis, Minn. Foot ointment. 227,960; May 17; Serial No. 242,312; published Mar. 8, 1927.
Roussey, Paul, Brooklyn, N. Y. Glass and metal polish. 227,752; May 17; Serial No. 242,394; published Mar. 8, 1927.
Royal Maize Co. (See Doolittle, William W.)
Saad, Charles, doing business as Chas. Saad Dry Goods House, Wheeling, W. Va. Overalls, work shirts, and pants. 227,998; May 17.
San-I-San Laboratories, Inc., Washington, D. C. Shampoo. 227,806; May 17; Serial No. 242,911; published Mar. 8, 1927.
Sanitary Grocery Company, Incorporated, Washington, D. C. Coffee. 227,746; May 17; Serial No. 243,389; published Mar. 8, 1927.
"Sarotti" Aktiengesellschaft, Berlin-Tempelhof, Germany. Cocoa, pastries, chocolate, confectionery. 227,936; May 17; Serial No. 232,795; published Mar. 1, 1927.
Sauquoit Paper Co. Inc., New Hartford, N. Y. Sanitary pads. 227,807; May 17; Serial No. 242,914; published Mar. 8, 1927.

Saurage, Henry N., doing business as Baton Rouge Coffee Mills, Baton Rouge, La. Coffee. 227,922; May 17; Serial No. 211,235; published May 19, 1925.
Scadron, Louis H., New York, N. Y. Optical instruments, lenses, and optical products. 227,969; May 17; Serial No. 239,320; published Mar. 8, 1927.
Schireson Bros., Los Angeles, Calif. Banjo ukuleles, tenor ukuleles, Hawaiian steel guitars, etc. 228,016; May 17.
Schmidt, George A., assignor to Geo. A. Schmidt & Co., Chicago, Ill. Soap. 62,763; renewed May 21, 1927.
Schwabacher Bros. & Co. Incorporated, Seattle, Wash. Salt. 62,123; renewed Apr. 16, 1927.
Scientific Products, Inc., Chicago, Ill. Medicinal salve. 227,949; May 17; Serial No. 241,585; published Mar. 8, 1927.
Sego Milk Products Company, Salt Lake City, Utah. Evaporated milk. 228,006; May 17.
Selmer, H. & A., Inc., New York, N. Y. Crystal and rubber combination mouthpieces for wind instruments. 227,808; May 17; Serial No. 242,921; published Mar. 8, 1927.
Shanman, M. D., Company, The, Cleveland, Ohio. Hosiery. 228,015; May 17.
Shaw, A. W., Company, Chicago, Ill. Magazine section. 227,881; May 17; Serial No. 243,233; published Mar. 8, 1927.
Shaw Family, Inc., The, San Jose, Calif. Food dressing in the form of a sauce. 227,779; May 17; Serial No. 241,445; published Mar. 8, 1927.
Shayne, C. C. & Co., to Margaret A. Shayne, doing business as C. C. Shayne & Co., New York, N. Y. Manufactured furs made up for wearing apparel. 62,413; renewed May 7, 1927.
Sheehy and Cumming, Watsonville, Calif. Fresh apples and pears. 227,930; May 17; Serial No. 230,594; published Mar. 8, 1927.
Shelby Cycle Company, Shelby, Ohio. Bicycles. 227,987; May 17; Serial No. 240,738; published Mar. 8, 1927.
Società Anonima del Linoleum di Giubiasco (Svizzera), Giubiasco, Switzerland. Linoleum. 227,841; May 17; Serial No. 239,002; published Mar. 8, 1927.
Sorine Chemical Co. (See Blackley, James C.)
Southern Distributing Co., Inc., Selma, Ala. Floor dressing. 227,901; May 17; Serial No. 243,326; published Mar. 8, 1927.
Southwestern Packing Co., Inc., The, Phoenix, Ariz. Food preparation. 227,997; May 17.
Speeder Machinery Corporation, Fairfield, Iowa. Gasoline shovels, cranes, and drag lines. 227,947; May 17; Serial No. 241,501; published Mar. 8, 1927.
Spencer Perfume Company, doing business as La Main, South Bend, Ind., and New York, N. Y. Face powders, face creams, face packs, vanishing creams, cosmetic lotions, etc. 227,974; May 17; Serial No. 240,278; published Mar. 8, 1927.
Sperry Gyroscope Company, The, Brooklyn, N. Y. Electrical indicating apparatus for navigational purposes. 227,857; May 17; Serial No. 226,309; published Mar. 8, 1927.
Spurlock-Neal Co. (See Pepsol Chemical Company, assignor.)
Spyron, Stephen, Hot Springs National Park, Ark. Cleaner for silverware, forks, knives, and spoons, etc. 227,861; May 17; Serial No. 242,759; published Mar. 8, 1927.
Squanette Plant Fude Company. (See Falck, James S.)
Stadlmair, Henry, Co., Inc., New York, N. Y. Violins, violas, violoncellos, etc. 227,935; May 17; Serial No. 232,294; published Mar. 8, 1927.
Stamatakis, Stamatis, Campbell, Ohio. Medicinal product. 227,846; May 17; Serial No. 237,706; published Mar. 8, 1927.
Standard Dairy Company, The, Cambridge, Mass. Diaries. 227,728; May 17; Serial No. 242,695; published Mar. 8, 1927.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils. 227,970; May 17; Serial No. 239,432; published Mar. 1, 1927.
Standard Oil Company (New Jersey), Bayonne, N. J. Asphalt and asphalt-brick filler. 228,002; May 17.
Standard Vacuum Cleaner Manufacturing Company, The, Cleveland, Ohio. Electrically-operated suction cleaners. 227,772; May 17; Serial No. 241,683; published Mar. 1, 1927.
Stein, Hall & Company Inc., New York, N. Y. Tapioca, egg albumen, and egg yolk. 227,933; May 17; Serial No. 231,020; published Mar. 8, 1927.
Stockert & Cie., Pforzheim, Germany. Jewelry. 227,990; May 17; Serial No. 241,121; published Mar. 1, 1927.
Stone Candy Company, San Francisco, Calif. Candy. 227,982; May 17; Serial No. 240,454; published Mar. 8, 1927.
Stover Manufacturing & Engine Co., Freeport, Ill. Stoves and heaters. 227,929; May 17; Serial No. 230,460; published Aug. 31, 1926.
Strathmore Paper Company, Mittineague, Mass. Writing and printing paper. 227,862; May 17; Serial No. 242,700; published Mar. 8, 1927.
Stuckey, F. M., & Company, Wichita Falls, Tex. Salve for cuts, bruises, burns, and running sores. 227,788; May 17; Serial No. 242,215; published Mar. 8, 1927.
Super Motor Fuel & Mfg. Co. Inc., Denver, Colo. Chemical combination comprising benzol, naphtha, etc. 227,934; May 17; Serial No. 231,957; published Feb. 22, 1927.
Supreme Electric Mfg. Co., Chicago, Ill. Electrical apparatus. 227,787; May 17; Serial No. 242,216; published Mar. 8, 1927.
Sutton, Edwin D., Millville, N. J. Medicinal preparations. 61,961; renewed Apr. 9, 1927.
Swartz, Charles, doing business as American Lithograph Company of California, Los Angeles, Calif. Products of a process of printing or lithography. 227,940; May 17; Serial No. 233,587; published Mar. 8, 1927.
Swing, Edward M., doing business as M. E. Swing Co., Washington, D. C. Coffee. 227,975; May 17; Serial No. 240,375; published Mar. 8, 1927.
Synflex Company, The. (See Nelson, Adolph.)
Syra-Bord Rubber Flooring Corporation, The, Syracuse, N. Y. Rubber flooring. 227,825; May 17; Serial No. 225,624; published Mar. 16, 1926.
T. & O., New York, N. Y. Nail polishes, lip sticks, lip pastes, etc. 227,809; May 17; Serial No. 242,925; published Apr. 8, 1927.
Tanqueray Gordon & Co. Limited, London, England, assignor, by mesne assignments, to Tanqueray Gordon & Co. Limited, London, England. Whisky. 63,062; renewed June 4, 1927.
Tast-T-Mint Co. (See Mead, Raynor.)
Teco Foods, Inc., Cortland, N. Y. Pancake, buckwheat, cake, biscuit, etc., flour. 227,938; May 17; Serial No. 233,243; published Mar. 1, 1927.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 227,834; May 17; Serial No. 239,494; published Mar. 1, 1927.
Thermwool Products Co. Inc., New York, N. Y. Ironing cushion pads. 227,852; May 17; Serial No. 241,847; published Mar. 8, 1927.
Thomas, I. P., & Son Co., assignor to American Fomon Company, Philadelphia, Pa. Fire-extinguishing compositions. 227,739; May 17; Serial No. 243,121; published Mar. 8, 1927.
Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass. Materials for preventing freezing of water in automobile radiators. 227,919; May 17; Serial No. 205,248; published June 22, 1926.
Thomson, Judson L., Mfg. Co., to Judson L. Thomson Mfg. Co., Waltham, Mass., successor. Rivets. 61,164; renewed Mar. 5, 1927.
Thurnherr & Upton Co., West New York, N. J. Laces and embroideries as manufactured in the piece. 227,778; May 17; Serial No. 241,453; published Mar. 8, 1927.
Tillamook Bay Fish Co., Bay City, Oreg. Canned salmon and clams. 227,761; May 17; Serial No. 242,632; published Mar. 8, 1927.
Times Publishing Company, Inc., The, St. Cloud, Minn. Newspaper. 227,871; May 17; Serial No. 243,629; published Mar. 8, 1927.
Toliner Electric Co. Inc., Brooklyn, N. Y. Electric signal boards, electric bells, etc. 227,830; May 17; Serial No. 240,044; published Mar. 1, 1927.
Topkis, Charles, Wilmington, Del. Cotton piece goods. 227,810; May 17; Serial No. 242,927; published Mar. 8, 1927.
Trambley, Herbert P., San Francisco, Calif. Radio receiving sets. 227,843; May 17; Serial No. 238,536; published Mar. 1, 1927.
Tryco Company. (See Rough, Albert J.)
Tucapau Mills, Tucapau, S. C. Cotton and linen goods. 227,892; May 17; Serial No. 227,543; published Mar. 8, 1927.
United American Publishing Co., Inc., New York, N. Y. Publication. 227,889; May 17; Serial No. 243,294; published Mar. 8, 1927.
United Drug Company, Boston, Mass. Cough sirup. 227,882; May 17; Serial No. 243,243; published Mar. 8, 1927.
United Hardware & Tool Corporation, New York, N. Y. Carpenters' planes, saws, and benches. 227,964; May 17; Serial No. 242,899; published Mar. 8, 1927.
United Manufacturing Co., Philadelphia, Pa. Portable showers and shower sprays. 227,774; May 17; Serial No. 241,591; published Mar. 8, 1927.
Universal Novelty Distributors. (See Waterson, May.)
Universal Yeast Corporation, Astoria and Brooklyn, N. Y. Yeast. 227,753; May 17; Serial No. 242,400; published Mar. 1, 1927.
Valentin Blatz Brewing Company, doing business as Val. Blatz Brewing Company, Milwaukee, Wisc. Malt sirup. 227,797; May 17; Serial No. 242,079; published Mar. 1, 1927.
Wadsworth Howland & Co., Incorporated, Boston, Mass. Liquid paint and enamel. 227,872; May 17; Serial No. 242,974; published Mar. 8, 1927.
Wagner, A., & Levien Sucesores, Sociedad en Comandita, Mexico City and Monterey, Mexico. Pianos, automatic pianos, electrical and reproducing. 227,894; May 17; Serial No. 228,340; published Mar. 8, 1927.
Walker Products Company, New York, N. Y. Phonographs and phonograph sound boxes and phonograph needles. 227,773; May 17; Serial No. 241,594; published Mar. 8, 1927.
Walters Manufacturing Company. (See Marti, Walter.)

Ward, Samuel, Manufacturing Company, Boston, Mass. Portfolios. 227,865; May 17; Serial No. 242,802; published Mar. 8, 1927.
Warner, William R., & Co., Philadelphia, Pa., assignor to William R. Warner & Co. Inc., New York, N. Y. Medicines. 62,214; renewed Apr. 23, 1927.
Washington Product Co. (See Deck, John.)
Waterson, May, doing business as Universal Novelty Distributors, New York, N. Y. Musical instruments and supplies consisting of player-piano rolls, phonograph records, etc. 227,858; May 17; Serial No. 226,758; published Mar. 1, 1927.
Watson, Angus & Co., Newcastle-on-Tyne, England, assignor, by mesne assignments, to Angus Watson & Co. (America) Limited, San Francisco, Calif. Sardines. 63,451; renewed June 18, 1927.
Weidlich Sterling Spoon Co., Bridgeport, Conn. Silverware. 227,818; May 17; Serial No. 224,792; published Mar. 1, 1927.
Weinreich, David J., doing business as Joseph Weinreich, Dayton, Ohio. Cigars. 227,972; May 17; Serial No. 239,954; published Mar. 8, 1927.
Weissman, S., Company, Inc., New York, N. Y. Watches. 227,854; May 17; Serial No. 241,800; published Mar. 1, 1927.
Wellauer-Noll Shoe Mfg. Co., Milwaukee, Wis. Girls' shoes. 228,023; May 17.
West Point Manufacturing Company, Langdale, Ala. Heavy cotton duck or canvas. 227,916; May 17; Serial No. 197,645; published Sept. 29, 1925.
Western Metal Specialty Co., Milwaukee, Wis. Chemical toilets. 227,837; May 17; Serial No. 239,209; published Mar. 8, 1927.
Western Wheeled Scraper Co., doing business as Earth Mover Publishing Co., Aurora, Ill. Monthly magazine. 227,883; May 17; Serial No. 243,245; published Mar. 8, 1927.
Western Wheeled Scraper Co., doing business as Earth Mover Publishing Co., Aurora, Ill. Monthly magazine in the Spanish language. 227,884; May 17; Serial No. 243,246; published Mar. 8, 1927.
Westinghouse Union Battery Company, Swissvale, Pa. Electric device. 228,012; May 17.
Wetmore, S. H., Company, New York, N. Y. Atomizers, applicators, breast pumps, etc. 227,910; May 17; Serial No. 211,191; published Mar. 8, 1927.
White-Stokes Co. Inc., Chicago, Ill. Soluble powdered jelly base. 228,014; May 17.
White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing paper and mailing envelopes. 227,880; May 17; Serial No. 243,180; published Mar. 8, 1927.
Wiggins Teape & Co. Limited assignor to Wiggins, Teape & Co. (1919) Limited, London, England. Writing, printing, and ledger paper. 60,931; renewed Feb. 26, 1927.
Wilbur, Ellis, Company, San Francisco, Calif. Fertilizer. 227,803; May 17; Serial No. 242,873; published Mar. 8, 1927.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 227,921; May 17; Serial No. 206,554; published Mar. 8,1927.
Wills, A. W., & Son, assignor to A. W. Wills & Son, Limited, Birmingham, England. Hand tools. 64,181; renewed July 30, 1927.
Willy, John, Chicago, Ill. Magazines. 63,403; renewed June 18, 1927.
Wilson-Western Sporting Goods Company, Chicago, Ill. Baseball gloves and baseballs. 227,721; May 17; Serial No. 240,837; published Mar. 8, 1927.
Wine Taste Laxative Co. (See Euster, Robert.)
Woodville Lime Products Company, The, Toledo, Ohio. Lime. 227,902; May 17; Serial No. 236,975; published Jan. 11, 1927.
Wortendyke Manufacturing Co., Richmond, Va. Toilet paper, paper towels, and paper napkins. 227,863; May 17; Serial No. 242,762; published Mar. 8, 1927.
Wrightsville Hardware Company, Wrightsville, Pa. Waffle irons. 227,849; May 17; Serial No. 241,917; published Mar. 8, 1927.
Yellow Truck & Coach Manufacturing Company, Chicago, Ill. Motor-driven trucks. 227,817; May 17; Serial No. 224,686; published Mar. 8, 1927.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Tin plate. 227,811–12; May 17; Serial Nos. 242,936–7; published Mar. 8, 1927.
Ziegler, George, Company, Milwaukee, Wis. Candy. 227,923; May 17; Serial No. 214,636; published Feb. 15, 1927.
Zink, Edward A., doing business as The Co-Quin-Ol Company, New York, N. Y. Shampoo and corrective for dandruff. 227,928; May 17; Serial No. 229,996; published Mar. 8, 1927.
Ziv Steel & Wire Company, Chicago, Ill. Drill and tool steel. 227,785; May 17; Serial No. 242,329; published Mar. 8, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Butter Company, Kansas City, Mo. The Hen That Laid the Golden Eggs. For Eggs. 32,091; May 17.
Arkwright Finishing Company, Providence, R. I. Prudence. For Tracing Cloth. 32,092; May 17.
Baker, Boies & Watson Company, Boston, Mass. Columbia Fillets. For Sea Foods. 32,093; May 17.
Becker, Joseph, Co., Detroit, Mich. Health Brand. For Fresh Rhubarb. 32,094; May 17.
California Rose Candy Co., Los Angeles, Calif. Take a Taxi. For a Candy Bar. 32,095; May 17.
Farmers Syndicate Inc., Cortland, N. Y. Balanced. For Scratch Grains. 32,096; May 17.
Galva Creamery Co., Galva, Ill. Rose Brand. For Butter. 32,097; May 17.
G-G Products Company, New York, N. Y. Manhattan's Best Malt Syrup. For Malt Sirup. 32,098; May 17.
Gridley Dairy Co. (See Menasha Printing and Carton Company, assignor.)
Gudebrod Bros. Silk Co., Philadelphia, Pa. Canton. For Spool Silk. 32,099; May 17.
Iowa Soap Company, Burlington, Iowa. Big 4. For White Laundry Soap Flakes. 32,100; May 17.
Kalamazoo Wax Paper Co., Kalamazoo, Mich. Canary Cage Liners. For Sheets of Waxed Paper. 32,101; May 17.
Knerr, Frank O., Dairy Co., The. (See Menasha Printing and Carton Company, assignor.)
Long, W. E., Co., The, Chicago, Ill. Old Home. For Bread. 32,102; May 17.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Frank O. Knerr Dairy Co., Inc., Fargo, N. Dak. Colonial. For Butter. 32,103; May 17.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Polson Creamery Company, Polson, Mont. Green Valley. For Butter. 32,104; May 17.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Gridley Dairy Co., Milwaukee, Wis. Gridley Ice Cream. For Ice Cream. 32,105; May 17.
Modern Library, Inc., The, New York, N. Y. Modern Library. For Books, Being Placed Around the Books as a Jacket. 32,106; May 17.
Polson Creamery Company. (See Menasha Printing and Carton Company, assignor.)
Portales Valley Sweet Potato Growers Association, Portales, N. Mex. Sun Sweet. For Sweet Potatoes. 32,017; May 17.
Robinson, Herman, doing business as Robinson's Furniture Mfg. Co., Los Angeles, Calif. Oso-Comfy. For Furniture, and Particularly Furniture of the Overstuffed Class. 32,108; May 17.
Rockhill Textile Manufacturing Company, Kansas City, Mo. Lanax. For Sanitary Napkins. 32,109; May 17.
Silver King Products Corporation, New York, N. Y. Silver King Sparkling Mineral Water. For Mineral Water. 32,110; May 17.
Silver King Products Corporation, New York, N. Y. International Royal Table Water. For Mineral Water. 32,111; May 17.
Southwestern Packing Co., Inc., The, Phoenix, Ariz. Cat Chow. For a Food Preparation Composed of Meat, Milk, Cereals, and Vegetables for Cats. 32,112; May 17.
Three Rivers Growers Association, Kennewick, Wash. Evergreen Brand. For Fresh Asparagus. 32,113; May 17.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Blauner's, Philadelphia, Pa. Blauner's Pacific Serge 2 Pants Suits. For Men's Clothing. 9,834; May 17.
Cream of Wheat Co., Minneapolis, Minn. For Gastric Ulcer. For Wheat Breakfast Food. 9,835; May 17.
D & C Co. Inc., The, Wilmington, Del., and Brooklyn, N. Y. For Dessert My-T-Fine. For Dessert Preparations. 9,836; May 17.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. In Your Heart You Know Slidewell Bows Sell Best. For Bow Ties. 9,837; May 17.
Goldmark, Adolph, & Sons Corp., New York, N. Y. Sales Increasing by Leaps and Bounds. For Marmalade. 9,838; May 17.
Heinz, H. J., Company, Pittsburgh, Pa. I Know Beans. For Oven-Baked Beans. 9,839; May 17.

Heinz, H. J., Company, Pittsburgh, Pa. Famous Numbers—How Many Do You Know? For Heinz 57 Varieties. 9,840; May 17.
Held, Roy J., Freeport, Ill. Your Plumber Guards Your Health and Home. For Water Softeners. 9,841; May 17.
Kolynos Company, The, New Haven, Conn. How Clean My Mouth Feels! For Dental Cream. 9,842; May 17.
New Jersey Zinc Company, The, New York, N. Y. Compare the Whiteness of White Houses. For Paint. 9,843; May 17.
New Jersey Zinc Company, The, New York, N. Y. Use a White Paint That Will Keep its Whiteness. For Paint. 9,844; May 17.
Northern Feather Works, Inc., Newark, N. J. Sunrise Pillows. For Pillows. 9,845; May 17.
Stanco Distributors, Incorporated, Wilmington, Del. Big Grocery Seller!—Flit. For Insecticide. 9,846; May 17.
Stanco Distributors, Incorporated, Wilmington, Del. Pick The Winner—Make Flit Success Your Success. For Insecticide. 9,847; May 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Brick Company, Fort Worth, Tex. Publication. 245,948; May 17.
Ajay Frame & Bag Company, Brooklyn, N. Y. Hand bags and hand-bag frames. 242,977; May 17.
Alland, Maurice, Atlantic City, N. J. Smokers' pipes, cigar and cigarette holders. 245,881; May 17.
Amazon Knitting Company, Muskegon, Mich. Piece goods. 245,336; May 17.
American Importing Company, New York, N. Y. Ticking. 230,340; May 17.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Nails. 245,952; May 17.
American Writing Paper Company, Incorporated, Holyoke, Mass. Writing and printing paper. 247,113; May 17.
Antiseptic Gum Co., Denver, Colo. Medicated chewing gum. 246,144; May 17.
Argosy Manufacturing Company, Kansas City, Mo. Polish. 242,942; May 17.
Astrom, John, doing business as Progress Technical Company, Fort Wayne, Ind. Apparatus for filtering and softening water. 241,554; May 17.
Atlantic Gypsum Products Company, Boston, Mass. Neat cement plaster. 244,207; May 17.
Atlas Gypsum Corporation, The, New York, N. Y. Gypsum. 244,270; May 17.
Autographic Register Company, Hoboken, N. J. Manifolding registers. 245,184; May 17.
Automatic Musical Instrument Company, Grand Rapids, Mich. Pianos, organs, player pianos, etc. 237,012; May 17.
Baker, Mary E., Philadelphia, Pa. Hair grower. 238,151; May 17.
Baker-Moise Company, Dallas, Tex. Hosiery. 243,128; May 17.
Bankers Printing Company, San Francisco, Calif. Printed forms. 240,057; May 17.
Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic, and antipyretic medicines. 235,874; May 17.
Bayer Company, Inc., The, New York, N. Y. Medicines. 235,877–8; May 17.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 246,192; May 17.
Beaudreau, Lucinda F., Fallon, Nev. Preparation for use in the treatment of asthma and all bronchial troubles. 246,460; May 17.
Beaver Products Company, Inc., The, Buffalo, N. Y. Asphalt roofing. 208,930; May 17.
Beaver Products Company, Inc., The, Buffalo, N. Y. Mineral heat, cold, and sound insulating material. 245,079; May 17.
Ben-Burk, Inc., Boston, Mass. Malt sirup. 246,734; May 17.
Berger, Isidor S., New York, N. Y. Mounts for X-ray negatives. 243,921; May 17.
Berkshire Knitting Mills, Wyomissing and Reading, Pa. Ladies' full-fashioned hosiery. 246,147; May 17.
Betsy Ross Dress Co., New York, N. Y. Ladies dresses. 242,944; May 17.
Billington, Marie A., New York, N. Y. Gift articles comprising brass ware, pewter ware. 237,062; May 17.
Bivar & Ca., Portimao, Portugal. Canned sardines. 246,385; May 17.
Blood Tone Arm Company, Bay City, Mich. Loud speaker units. 230,011; May 17.
Bonzi, E., Monticello, Calif. Pears and grapes. 241,388; May 17.
Budlong Pickle Co., Chicago, Ill. Pickles, prepared mustard, and chowchow. 245,248; May 17.
Budlong Pickle Co., Chicago, Ill. Pickles, prepared mustard, catchup, chili sauce, etc. 245,249; May 17.
Bunte Brothers, Chicago, Ill. Candy. 246,386; May 17.
Bunte Brothers, Chicago, Ill. Candy. 246,814; May 17.
Burk, Louis, Inc., Philadelphia, Pa. Sausage. 245,420; May 17.
Burks, P. I., & Co., Louisville, Ky. Phonographs and phonograph sound boxes. 244,217; May 17.
Cadbury Brothers, Limited, Birmingham and Bournville, England. Cocoa, chocolate, cakes, etc. 246,387; May 17.

Carter, Chauncey P., Washington, D. C. Publications. 246,073; May 17.
Cerf & Bielschowsky, Erfurt, Germany. Shoes and boots. 243,997; May 17.
Chafo Manufacturing Company, Detroit, Mich. Powders intended for the relief of chafed and tender skins. 244,984; May 17.
Chain Store Publishing Corporation, The, New York, N. Y. Section of a periodical publication. 242,818; May 17.
Chamberlain and Company, Incorporated, Boston, Mass. Corned beef. 213,427; May 17.
Chandler, W. R., doing business as W. R. Chandler & Sons, Paducah, Ky. Preparations for use in the treatment of ailments of the lungs. 247,003; May 17.
Charters-Davis Company, Corona, Calif. Fresh citrous and deciduous fruits. 241,982; May 17.
Chein, Elizabeth H., Harrison, N. J. Sheet metal toys. 232,993; May 17.
Chemische Fabrik "Promonta" Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Dietetic foods. 229,147; May 17.
Cheva Company. (See York, Chauncey F.)
Chevallier-Appert, Ray, Paris, France. Candy, biscuits, chocolate, cocoa, etc. 243,840; May 17.
Chili Producta Corporation, Los Angeles, Calif. Chili powder. 245,252; May 17.
Chili Products Corporation, Los Angeles, Calif. Chili powder. 245,254; May 17.
Claire Knitting Mills, Inc., New York, N. Y. Knitted sweaters, coats, dresses, etc. 243,999; May 17.
Colonial Bead Co., Inc., New York, N. Y. Pearl necklaces, brooches, etc. 236,117; May 17.
Conservenfabrik Lenzburg vorm. Henckell & Roth, Lenzburg, Switzerland. Conserved fruits and vegetables, marmalades, and jams. 226,098; May 17.
Conrad Co., Inc., The, New York, N. Y. Magazine. 245,695; May 17.
Co-Quin-Ol Company, The. (See Zink, Edward A.)
Cromwell Paper Co., Chicago, Ill. Tympan paper. 243,593; May 17.
Curtiss Candy Company, The, Chicago, Ill. Dolls. 243,423; May 17.
Custer, George E., Providence, R. I. Oil burners. 246,696; May 17.
Davies, Leroy W., doing business as Rex Chemical Co., St. Louis, Mo. Medicinal tablet for the treatment of coughs, colds, la grippe, etc. 245,085; May 17.
D'Este, Julian, Company, Boston, Mass. Pressure regulators, combustion controls, tank valves, etc. 246,482; May 17.
Develon, Thomas, jr., Philadelphia, Pa. Textile rugs and floor coverings. 246,395; May 17.
Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 244,142; May 17.
Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 244,754–5; May 17.
Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 244,757–8; May 17.
Dueber-Hampden Watch Company, The, Canton, Ohio. Watches. 245,086; May 17.
Durls, Edward T., Granville Center, Mass. Whooping-cough compound. 247,007; May 17.
Eagle, C. K., & Co., Inc., Shamokin, Pa., and New York, N. Y. Silk goods. 245,832; May 17.
Eaton-Dikeman Co., The, Lee, Mass. Blotting paper. 227,578; May 17.
Eisen, L., & Co., Inc., Yonkers, N. Y. Cod-liver oil and mineral oil for medicinal use. 246,088; May 17.
Elcar Motor Company, Elkhart, Ind. Automobiles. 244,921; May 17.
Elco Paint Products, Inc., New York, N. Y. Paint. 245,480; May 17.
Electrine Company. (See Hull, Edwin A.)
Emerald Supply Co. (See Roupe, Josephine S.)
Emmental Cheese Corporation, New York, N. Y. Cheese. 245,962; May 17.
Epping, John G., doing business as John G. Epping Bottling Works, Louisville, Ky. Beverages sold as soft drinks. 246,202; May 17.
Epstein Frank & Lochner Inc., Buffalo, N. Y. Suits and overcoats. 246,020; May 17.
Fannie May Candy Co. Inc., Washington, D. C. Candy. 247,008; May 17.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fehsenfeld, Arthur L., Baltimore, Md. Rubbing liniment. 241,877; May 17.
Fidalgo Sales Corporation, Bellingham, Wash. Shredded sulphite. 241,404; May 17.
Fleron, M. M., & Son, Inc., Trenton, N. J. Lightning arresters. 242,974; May 17.
Fleron, M. M., & Son, Inc., Trenton, N. J. Lightning arresters. 245,976–7; May 17.
Ford Oil Corporation. (See Thompson, Jasper N., assignor.)
Foundation Press, Inc., The, Cleveland, Ohio. Printed books. 246,276; May 17.
Franck, Marcel, Inc., New York, N. Y. Atomizers for perfume and the like. 245,978; May 17.
Frank, Richard, doing business as Richard Frank & Co., New York, N. Y. Canned crushed fruits in sirup. 211,841; May 17.
Frerichs, Wilbur, E. A., doing business as Weaf Hosiery Company, New York, N. Y. Hosiery. 244,999; May 17.
Gellman, Benjamin, Philadelphia, Pa. Toilet preparations. 239,030; May 17.
Gillette, George T., Los Angeles, Calif. Polishes for furniture and automobile body finishes. 240,413; May 17.
Godchaux Sugars Inc., Reserve, La. Cane sugar sirups. 245,549; May 17.
Goldman Jewelry & Optical Co., St. Louis, Mo. Watches. 245,709; May 17.
Green-Haas-Schwartz Company, The, Cleveland, Ohio. Sweaters and jackets. 245,484; May 17.
Grennan Bakeries, Inc., Chicago, Ill. Cakes and cookies. 245,712; May 17.
Grewen Fabric Company, Inc., Johnstown, N. Y. Cloth gloves. 246,547; May 17.
Groff Paper Company, St. Paul, Minn. Paper napkins. 247,018; May 17.
Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty cream, and skin lotions. 240,025; May 17.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, cotton, and wool. 246,897; May 17.
Hall, C. T., & Co., New York, N. Y. Hats and caps. 245,550; May 17.
Hall, George L., doing business as Swimsafe Bathing Suit Co., Anderson, S. C. Bathing suits. 244,301; May 17.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, underwear, and shirts. 245,552–3; May 17.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, shirts, and underwear. 245,636; May 17.
Hampden Auto Top and Metal Company, Springfield, Mass. Automobile seat covers. 246,157; May 17.
Harrington, Betty, New York, N. Y. Beauty creams, perfumes, and hair tonics. 245,556; May 17.
Hartford Battery Mfg. Co., The, Millidale, Conn. Trickle chargers. 246,158; May 17.
Hartmann Trunk Company, Racine, Wis. Wardrobe suitcases. 245,842; May 17.
Herington Oil Company, Herington, Kans. Lubricating and fuel oils, gasoline, and kerosene. 246,346; May 17.
Hewes & Potter, assignor to Hewes & Potter, Incorporated, Boston, Mass. Suspenders. 245,984; May 17.
Hickok Producing Co., The, Toledo, Ohio. Gasoline. 232,331; May 17.
Highland Shaker Sweater Co., Camden, N. J. Sweaters, sport coats, jackets, etc. 245,396; May 17.
Hoffman Beverage Co., Newark, N. J. Beverages sold as soft drinks. 243,155; May 17.
Hoffman, E. A., Candy Co. Inc., Los Angeles, Calif. Candy. 243,212; May 17.
Hogan, John M., doing business as Sendol Company, Kansas City, Mo. Medicinal preparation. 244,696; May 17.
Holeproof Hosiery Company, Milwaukee, Wis. Hosiery. 245,212; May 17.
Hoover Body Company, York, Pa. Vehicle bodies and parts thereof. 246,902; May 17.
Hoover Body Company, York, Pa. Vehicle bodies and parts thereof. 246,904; May 17.
Houghton, E. F., & Co., Philadelphia, Pa. Oils for treating textile fibers. 246,286; May 17.
Howell Drug Company, Silver City, N. Mex. Facial cream. 242,724–5; May 17.
Hudnut, Richard, New York, N. Y. Perfume. 247,130; May 17.
Hull, Edwin A., doing business as Electrine Company, Bay City, Mich. Liniment. 207,787; May 17.
Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables, fruits, dried vegetables, jellies, pickles, etc. 244,826; May 17.
In-A-Door Coffee Company of Missouri, St. Louis, Mo. Coffee. 247,131; May 17.
Independence Produce Company, Independence, Iowa. Eggs. 246,957; May 17.
Indiana Lamp Corporation, Connersville, Ind. Electric headlights and reflectors therefor. 241,286; May 17.
Jellinek, Elisabeth, New York, N. Y. Purses, hand bags, and pocketbooks. 246,958; May 17.
Jend Drug Company. (See Segal, Nathaniel J.)
Jim Dandy Collar Company, Bradford, Ill. Horse collars. 235,928; May 17.
Johnson, Charles J., doing business as Johnson Manufacturing Company, Chicago, Ill. Soldering fluid. 246,412; May 17.
Juanita Products Company, The. (See Payne, William C.)
Judell, Maxon F., New York, N. Y. Magazines, books, and newspaper columns. 245,398; May 17.
Juvenile Mfg. Co., The, San Antonio, Tex. Boys' suits, blouses, and pants; aprons, bonnets, dresses, etc. 246,910; May 17.
Kansas Milling Company, The, Wichita, Kans. Wheat flour. 243,218; May 17.
Karnes, E. L., doing business as The Puritol Company, Kansas City, Mo. Salt. 236,553; May 17.
Kemic Powder Co., Seattle, Wash. Dentifrices. 246,061; May 17.
Kezziah, William H., doing business as Royal Clothing Mfg. Co., Canton, N. C. Overalls, pants, and work shirts. 246,416; May 17.
King Manufacturing Corporation, Buffalo, N. Y. Automotive parts. 246,613; May 17.
Kleinert, I. B., Rubber Company, New York, N. Y. Bathing shoes. 246,291; May 17.
Knighton, Samuel, & Sons, Inc., New York, N. Y. Wheat flour. 246,294; May 17.
Koken Companies, St. Louis, Mo. Liquid cooling hair rub, hair fixative preparation, and a preparation for removing dandruff. 246,096; May 17.
Kooler Co., The, Washington, D. C. Beverage sold as a soft drink. 240,080; May 17.
Koon, Floyd, Highland Park, Ill. Fluid for correcting the gripping capacity of friction brakes. 228,855; May 17.
Lamco Products Co., Chicago, Ill. Ironing board pads and covers. 246,913; May 17.
Leonard, Crosset & Riley, assignor to Leonard, Crosset & Riley, Inc., Cincinnati, Ohio. Watermelons. 230,247; May 17.
Liberman, Sarah, doing business as S. Liberman, New York, N. Y. Shoes. 243,004; May 17.
Liebovitz, S., & Sons, Inc., New York, N. Y. Shirts, pyjamas, and blouse jackets. 243,712; May 17.
Lifshitz, Barnet, New York, N. Y. Men's clothing. 245,215; May 17.
Lincoln Radiator Corporation, Utica, N. Y. Radiation and radiators. 245,915; May 17.
Lion Dry Goods Company, The, Toledo, Ohio. Men's suits and overcoats. 246,034; May 17.
Lisher & Ratto, Napa, Calif. Floor and wall coverings of linoleum. 231,937; May 17.
Listerated Company, Houston, Tex. Hair tonic. 245,276; May 17.
Lucati, Alfredo, New York, N. Y. Liquid bleach for washing clothes. 246,487; May 17.
Lytle, Bert O., doing business as Vitalite Medicine Company, Green Bay, Wis. Tonic laxative and alterative. 246,965; May 17.
Magnavox Company, The, Oakland, Calif. Electric egg cookers, air heaters, and electric adjustable lamps. 246,038; May 17.
Maillard, Henry, Inc., Long Island City, N. Y. Candy. 247,370; May 17.
Manville Jenckes Company, Pawtucket, R. I. Napkins of cotton, linen, and cotton and linen. 246,102; May 17.
Markey, F. H., Co., Inc., St. Joseph, Mo. Creosote emulsions for coughs and colds. 247,137; May 17.
Markoff Brothers, doing business as Mark-Off Shoe Stores, Danbury and South Norwalk, Conn., and Peekskill, N. Y. Boots, shoes, slippers. 246,695; May 17.
Marquis, Francis, New York, N. Y. Nom de plume for newspaper and magazine articles, books, and pamphlets. 245,848; May 17.
Martinez, Julio U., San Antonio, Tex. Ferruginous tonic and hæmoglobin base for anæmia, convalescing chlorosis, etc. 242,732; May 17.
Maté, Inc., Philadelphia, Pa. Face powders, face creams, face packs, toilet waters, rouges, etc. 246,969; May 17.
Mattlage, Charles F., & Sons, Inc., New York, N. Y. Salad dressing. 239,536; May 17.
Mayfair Products, Inc., New York, N. Y. Beverages containing clam juice. 240,559; May 17.
McLoughlin Manufacturing Company, Indianapolis, Ind. Textile fabric underwear for men and children. 242,789; May 17.
Merker, Monte C., Harrisburg, Pa. Malt sirup. 245,447; May 17.
Merlino, A., & Sons, Seattle, Wash. Canned tomatoes, peas, beans, dried codfish, bottled vinegar, etc. 209,307; May 17.
Mid-States Gummed Paper Company, Chicago, Ill. Gummed tape. 242,544; May 17.
Monroe Chemical Co., Quincy, Ill. Chemical compound for cleaning grease and spots from clothing, etc. 244,946; May 17.
National Mineral Health Food Co., Chicago, Ill. Mineral health food. 229,872; May 17.
National Oil Products Company, Harrison, N. J. Cod-liver oils. 244,313; May 17.
National Paper Products Company, San Francisco, Calif. Toilet tissue. 245,745; May 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Neighbor Products Co., Chicago, Ill. Alimentary pastes. 246,973; May 17.
North Dakota Mill and Elevator Association, Grand Forks, N. Dak. Wheat products. 220,911–12; May 17.
Norton, Adelaide I., Palm Beach, Fla. Publication or magazine. 246,924; May 17.
Ohlendorf, Clarence, Chicago, Ill. Medicinal preparation. 248,772; May 17.
Pacific Electric Manufacturing Co., San Francisco, Calif. Oil circuit breakers, air break switches, fuse tubes, choke coils, bus-bar supports, etc. 246,114; May 17.
Pacific Sea Foods Co., Hoquiam, Wash. Canned clams. 247,036; May 17.
Palais Royal, Inc., The, Washington, D. C. Cotton piece goods. 244,100; May 17.
Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 247,037; May 17.
Paris Medicine Co., St. Louis, Mo. Preparation for the treatment of malarial diseases. 246,047; May 17.
Parker Rust-Proof Company, Detroit, Mich. Liquid coating composition in the nature of a chemical for rust-proofing material. 237,130; May 17.
Parkin, William M., doing business as William M. Parkin & Company, Pittsburgh, Pa. Pickling compounds for cleaning steel or metal. 245,513; May 17.
Paver, J. M., Company, The, Chicago, Ill. Canned and bottled vegetables. 245,654; May 17.
Payne, William C., doing business as The Juanita Products Company, Burbank, Calif. Compounds for leaky radiators. 245,514; May 17.
Peates Music House, Incorporated, Utica, N. Y. Violin cases. 246,360; May 17.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Purses and hand bags. 246,979; May 17.
Phoenix, Edward C., doing business as Phoenix Bros., Fairoaks, Calif. Olives, peaches, vegetables. 246,222; May 17.
Pittsburgh Coal Company, Pittsburgh, Pa. Coal (except smithing coal). 242,308–10; May 17.
Plee-Zing Corporation, The, New York, N. Y. Household drugs. 242,967; May 17.
Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga. Evaporated milk, cocoa, canned meats, condiments, etc. 215,476; May 17.
Plee-Zing Corporation, The, New York, N. Y. Matches. 242,968; May 17.
Prizer-Painter Stove Works, The, Reading, Pa. Coal, wood, and combination coal and gas stoves, ranges, and furnaces, and parts thereof. 246,177; May 17.
Progress Technical Company. (See Astrom, John.)
Puritol Company, The. (See Karnes, E. L.)
Raffy, Marcel J., New York, N. Y. Face powder, face creams, face packs, toilet waters, etc. 244,818; May 17.
Rand Kardex Bureau, Inc., Tonawanda, N. Y. Blank and partially-printed cards and forms for indexes, index guide cards, etc. 246,709; May 17.
Raskas, Louis S., St. Louis, Mo. Cream. 245,656; May 17.
Redlands Orange Growers' Association, Redlands, Calif. Fresh oranges. 241,439; May 17.
Republic Metalware Co., The, Buffalo, N. Y. Wash boilers, wash-boiler covers, washtubs, and clothes sprayers. 246,775; May 17.
Republic Metalware Co., The, Buffalo, N. Y. Candlesticks, stovepipe thimbles, flue stoppers, etc. 246,777; May 17.
Rex Chemical Co. (See Davies, Leroy W.)
Roper, Geo. D., Corporation, Rockford, Ill. Gas burning water heaters, air and gas mixers, furnaces, etc. 225,804; May 17.
Rosenberg, Sam, & Co., Los Angeles, Calif. Women's apparel—namely, lingerie, vests, step ins, bloomers, teddies, etc. 236,839; May 17.
Roupe, Josephine S., doing business as Emerald Supply Co., Los Angeles, Calif. Healing ointment. 244,243; May 17.
Royal Clothing Mfg. Co. (See Kezziah, William H.)
Saphes Incorporated, New York, N. Y. Cold cream, skin tonic, muscle oil, rouge, etc. 242,803; May 17.
Sarotti Aktiengesellschaft, Berlin-Tempelhof, Germany. Cocoa, chocolate, nougat, nuts of every kind, etc. 242,625; May 17.
Schaik Chemical Company, Los Angeles, Calif. Cleaning compound with bleaching qualities. 196,261; May 17.
Schwannecke, Frederick, doing business as F. A. Schwannecke Co., New Rochelle, N. Y. Face, talcum, tooth, nail, etc., powders. 246,637; May 17.
Schwartz & Zuckerman, New York, N. Y. Shirts, overalls, blouses, trousers, etc. 245,753; May 17.
Segal, Nathaniel J., doing business as Jend Drug Company, Baltimore, Md. Cough medicine, medicine for colds, influenza, etc. 244,890; May 17.
Sendol Company. (See Hogan, John M.)
Shepard Point Packing Co., Seattle, Wash. Canned salmon. 246,441; May 17.
Simmons, R. F., Company, Attleboro, Mass. Watch chains. 245,304; May 17.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Suits and overcoats. 227,703; May 17.
South Dakota Crop Improvement Corporation, The, Brookings, S. Dak. Farm seeds. 225,525; May 17.
Sparta Ceramic Company, The, East Sparta, Ohio. Tiles. 244,328–32; May 17.
Spear and Morgan Manufacturing Company, Waycross, Ga. Liquid laxative. 247,223; May 17.
Sprague, Warner & Co., Chicago, Ill. Canned fruits and vegetables. 246,444; May 17.
Standecker & Company, Seattle, Wash. Ladies' hats. 245,412–13; May 17.
Staedtler, J. S., Inc., New York, N. Y. Lead pencils, leads, crayons, and penholders. 246,234; May 17.
Star Knitting Mills, Inc., New York, N. Y. Sweaters, scarfs, and knitted ties. 244,334; May 17.
Stein, S., & Co., New York, N. Y. Woolen goods. 246,719; May 17.
Sterling Products (Incorporated), Wheeling, W. Va. Medicines. 236,100; May 17.
Strauss-Eckardt Co. Inc., New York, N. Y. Dolls and doll playpen sets. 246,987; May 17.
Successori Nicolini & Venesia, Biella, Italy. Brandy and liqueurs. 243,791; May 17.
Swimsafe Bathing Suit Co. (See Hall, George L.)
Tabin-Picker and Company, Chicago, Ill. Dresses. 246,132; May 17.
Taki, Kichitaro, North Bergen, N. J. Candy laxative. 245,761; May 17.
Tatum, Robert S., jr., Jacksonville, Fla. Cigars. 246,646; May 17.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 239,491–3; May 17.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 239,495; May 17.
Thomas, Don D., Fresno, Calif. Metal polish. 245,035; May 17.
Thompson, Jasper N., assignor to Ford Oil Corporation, Chicago, Ill. Lubricating oil. 185,729; May 17.
Thompson's Malted Food Company, Waukesha, Wis. Chocolate-flavored egg malted milk. 246,513; May 17.
Toledo Timer Co., The, Toledo, Ohio. Spark timers for internal-combustion motors. 245,670–1; May 17.
Uchin & Bell, Philadelphia, Pa. Dresses. 245,037; May 17.
U. S. Aseptic Supply Service, Inc., The, New York, N. Y. Absorbent cotton, absorbent gauze, and sanitary napkins. 237,426; May 17.
U. S. Export Chemical Corporation, Tampa, Fla., and New York, N. Y. Fertilizers. 228,281; May 17.
United States Gutta Percha Paint Company, Providence, R. I. Paints. 227,876; May 17.
Utility Manufacturing Company, Inc., Baltimore, Md. Coffee and tea strainers, soup strainers, and jelly strainers. 245,818; May 17.
Vitalite Medicine Company. (See Lytle, Bert O.)
Vulcan Match Co., Inc., New York, N. Y. Safety matches. 246,252; May 17.
Walters Rubber Co. Inc., Mineola, N. Y. Magazine. 244,257; May 17.
Washington Jewelry Company, Boston, Mass. Brief cases. 246,188; May 17.
Weaf Hosiery Company. (See Frerichs, Wilbur E. A.)
Webb, Thomas J., Co., Chicago, Ill. Spices, flavoring extracts, etc. 235,790; May 17.
Webster, William A., Company, The, Memphis, Tenn. Face powders, creams, and packs, toilet waters, etc. 243,900; May 17.
Weeks & Winter, Pawlet, Vt. Chemical compound for electric storage batteries. 247,152; May 17.
Werner & Mertz Aktiengesellschaft, Mainz, Germany. Polishing paste, etc., for shoes. 227,817; May 17.
Whiteford Corporation, Athens, Ga. Hosiery and dress shirts. 246,374; May 17.
Willhelm Oil Company, St. Paul, Minn. Oil for lubricants. 245,387; May 17.
Wilson Brothers, Chicago, Ill. Hosiery. 246,142; May 17.
Wilson Canning Company, Mexico, N. Y. Canned fruits and canned vegetables. 230,708; May 17.
Wiremold Company, The, Hartford, Conn. Insulated electrical conductors and nonmetallic conduits for electrical conductors. 245,820; May 17.
Wojciechowski, Alexander, Norwich, Conn. Palliative for headache and rheumatism, burns, pimples, etc. 245,177; May 17.
Yocum Bros., Inc., Reading, Pa. Cigars. 246,457–8; May 17.
York, Chauncey F., doing business as Cheva Company, Detroit, Mich. Powder for exterminating rats and mice. 247,238; May 17.
York Manufacturing Co., Saco, Me., and Boston, Mass. Card-table covers, a textile creation. 240,119; May 17.
Zink, Edward A., doing business as The Co-Quin-Ol Company, New York, N. Y. Shampoo and corrective for dandruff. 229,997; May 17.
Zorro Tobacco Co. Inc., The, New York, N. Y. Smoking tobacco. 247,112; May 17.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Coal Hill Mining Company. 228,001; May 17.
Coal. Fraker Coal Company. 227,895; May 17; Serial No. 228,421; published Sept. 28, 1926.
Coal and coke. Graceton Coal and Coke Company. 228,000; May 17.

CLASS 2.

Barrels and staves, headings, and shooks therefor, Wooden. Lucas E. Moore Stave Co. of Ga. 227,742; May 17; Serial No. 243,164; published Mar. 8, 1927.
Cages, Bird. L. J. Leon Mfg. Company. 227,957; May 17; Serial No. 242,010; published Mar. 8, 1927.
Containers, Collapsible. International Mailing Tube and Wrapper Company. 227,911; May 17; Serial No. 236,936; published Jan. 25, 1927.
Kegs, Wooden. Davis Cooperage Company. 227,735; May 17; Serial No. 242,881; published Mar. 8, 1927.
Receptacles, Refuse. H. P. Chandlee Sons Co. 227,983; May 17; Serial No. 240,595; published Mar. 8, 1927.
Tanks, Steel storage. Birmingham Tank Company. 227,941; May 17; Serial No. 234,290; published Mar. 8, 1927.

CLASS 3.

Horseshoe studs. Leonhardt & Co. 227,775; May 17; Serial No. 241,577; published Mar. 8, 1927.
Portfolios. Samuel Ward Manufacturing Company. 227,865; May 17; Serial No. 242,802; published Mar. 8, 1927.

CLASS 4.

Cleaner for silverware, etc. S. Spyron. 227,861; May 17; Serial No. 242,759; published Mar. 8, 1927.
Cleaner, Rug, carpet, upholstery, furniture, wall-paper, and enamel. A. B. Parker. 227,732; May 17; Serial No. 242,609; published Mar. 8, 1927.
Cleaning preparation for silk. W. W. Doolittle. 227,924; May 17; Serial No. 216,027; published Oct. 6, 1925.
Dressing, Waterproof leather. E. E. Blackledge. 227,762; May 17; Serial No. 242,653; published Mar. 8, 1927.
Hones. H. Greenberg. 227,755; May 17; Serial No. 242,479; published Mar. 8, 1927.
Polish and cleaner, Cream metal. Randall Products Corporation. 227,789; May 17; Serial No. 242,210; published Mar. 8, 1927.
Polish, Glass and metal. P. Roussey. 227,752; May 17; Serial No. 242,394; published Mar. 8, 1927.
Soap. Haskins Brothers & Company. 227,902; May 17; Serial No. 243,361; published Mar. 8, 1927.
Soap. Kenova Ice & Cold Storage Co. 227,860; May 17; Serial No. 242,727; published Mar. 8, 1927.
Soap. G. A. Schmidt. 62,763; renewed May 21, 1927.
Soap. J. B. Williams Company. 227,921; May 17; Serial No. 206,554; published Mar. 8, 1927.
Soap, Liquid flea. Gray Miller Corporation. 227,784; May 17; Serial No. 242,336; published Mar. 8, 1927.

CLASS 5.

Cement, Rubber. Fisk Rubber Company. 227,853; May 17; Serial No. 241,816; published Mar. 1, 1927.
Paste. Brookman Manufacturing Co. 227,844; May 17; Serial No. 238,427; published Mar. 8, 1927.

CLASS 6.

Antiseptic. Forhan Company. 227,722; May 17; Serial No. 240,970; published Feb. 22, 1927.
Baking powder. L. R. Donelson, jr. 227,729; May 17; Serial No. 242,576; published Mar. 8, 1927.
Baking powder. Haas-Lieber Grocery Co. 64,461; renewed Aug. 6, 1927.
Blood purifier. C. Liscio & Company. 227,718; May 17; Serial No. 240,612; published Mar. 8, 1927.
Chemical combination comprising benzol, naphtha, etc. Super Motor Fuel & Mfg. Co. Inc. 227,934; May 17; Serial No. 231,957; published Feb. 22, 1927.
Chemical products. W. S. Gray & Co. 227,829; May 17; Serial No. 240,076; published Mar. 8, 1927.
Cologne. A. P. Babcock Company. 227,973; May 17; Serial No. 240,238; published Mar. 8, 1927.
Compositions, Fire-extinguishing. I. P. Thomas & Son Co. 227,739; May 17; Serial No. 243,121; published Mar. 8, 1927.
Cough sirup. United Drug Company. 227,882; May 17; Serial No. 243,243; published Mar. 8, 1927.
Digestive preparation of the gastric juice. Fairchild Bros. & Foster. 65,397; renewed Sept. 24, 1927.
Disinfectant, deodorant, sterilizer, and germicide. W. T. Overton. 227,816; May 17; Serial No. 223,598; published Mar. 8, 1927.
Dyestuffs. E. I. du Pont de Nemours and Company. 227,749; May 17; Serial No. 242,368; published Mar. 8, 1927.
Hair restorer. G. and M. Chemical Co. 227,828; May 17; Serial No. 225,918; published Mar. 8, 1927.
Laxative medicine. R. Euster. 227,730; May 17; Serial No. 242,579; published Mar. 8, 1927.
Laxatives. Emsaco Laboratories, Inc. 227,802; May 17; Serial No. 241,402; published Mar. 8, 1927.
Lotion for the treatment of gall sores, stiff joints, etc. J. C. Blackley. 227,885; May 17; Serial No. 243,252; published Mar. 8, 1927.
Materials for preventing freezing of water in automobile radiators. H. C. Thompson. 227,919; May 17; Serial No. 205,248; published June 22, 1926.
Medical preparation for the treatment of hyperacidity, fermentation, and gas formation. Interstate Laboratories, Inc. 227,959; May 17; Serial No. 242,196; published Mar. 8, 1927.
Medicated mint. R. Mead. 227,790; May 17; Serial No. 242,200; published Mar. 8, 1927.
Medicinal preparations. E. D. Sutton. 61,961; renewed Apr. 9, 1927.
Medicinal product. S. Stamatakis. 227,846; May 17; Serial No. 237,706; published Mar. 8, 1927.
Medicine. Ancestral Medicine Co. 227,955; May 17; Serial No. 241,855; published Mar. 8, 1927.
Medicine. Gordon Drug Company. 227,804; May 17; Serial No. 242,888; published May 8, 1927.
Medicines. William R. Warner & Co. 62,214; renewed Apr. 23, 1927.
Ointment, Foot. A. J. Rough. 227,960; May 17; Serial No. 242,312; published Mar. 8, 1927.
Perfume, toilet water, face powder, talcum powder, bath salts, etc. Houbigant, Inc. 227,879; May 17; Serial No. 243,158; published Mar. 8, 1927.
Perfume, toilet water, talcum powder, rouges, brilliantine, etc. La Salle Products, Inc. 227,733; May 17; Serial No. 242,673; published Mar. 8, 1927.
Perfumes and natural and synthetic oils. Heine & Co. 227,738; May 17; Serial No. 243,090; published Mar. 8, 1927.
Perfumes and toilet waters. Parfumerie Internationale Corday. 227,915; May 17; Serial No. 104,466; published Oct. 6, 1925.
Plasters, Corn and bunion. Bauer & Black. 61,694; renewed Apr. 2, 1927.
Plasters, Corn and bunion. Bauer & Black. 61,937; renewed Apr. 9, 1927.
Polishes, lip sticks, lip pastes, pomades, etc., Nail. T. & O. 227,809; May 17; Serial No. 242,925; published Mar. 8, 1927.
Powders, creams, packs, vanishing creams, cosmetic lotions, etc., Face. Spencer Perfume Company. 227,974; May 17; Serial No. 240,278; published Mar. 8, 1927.
Preparation for chapped hands, etc. J. A. Horigan. 227,741; May 17; Serial No. 243,156; published Mar. 8, 1927.
Preparation for the treatment of corns, warts, and calli. Capto Products Co. Inc. 227,796; May 17; Serial No. 242,083; published Mar. 8, 1927.
Preparation for the treatment of necrotic enteritis, etc. Baker-Mayes Co. 227,737; May 17; Serial No. 243,080; published Mar. 8, 1927.
Prophylactic, Venereal. M. Jacobs. 227,805; May 17; Serial No. 242,890; published Mar. 8, 1927.
Salt. Schwabacher Bros. & Co. Incorporated. 62,123; renewed Apr. 16, 1927.
Salt, Table. Leslie California Salt Co. 227,958; May 17; Serial No. 242,013; published Mar. 8, 1927.
Salve. F. M. Stuckey & Company. 227,788; May 17; Serial No. 242,215; published Mar. 8, 1927.
Salve, Medicinal. Scientific Products, Inc. 227,949; May 17; Serial No. 241,585; published Mar. 8, 1927.
Salves and creams. I. M. Prokodeff. 227,962; May 17; 242,351; published Mar. 8, 1927.
Sarsaparilla for medicinal use, carbolic salve, arnica salve, etc. Park Laboratory Company. 227,961; May 17; Serial No. 242,348; published Mar. 8, 1927.
Shampoo. San-I-Sal Laboratories, Inc. 227,806; May 17; Serial No. 242,911; published Mar. 8, 1927.
Shampoo and corrective for dandruff. E. A. Zink. 227,928; May 17; Serial No. 229,996; published Mar. 8, 1927.
Solution, Nonfreeze. J. Deck. 227,876; May 17; Serial No. 243,037; published Mar. 8, 1927.
Tonic, General. Garrett & Company. 227,781; May 17; Serial No. 240,182; published Mar. 8, 1927.

CLASS 7.

Twine. John H. Davis Company. 227,845; May 17; Serial No. 238,106; published Mar. 8, 1927.

CLASS 9.

Gunpowder. E. I. du Pont Company. 64,355–56; renewed Aug. 6, 1927.
Gunpowder. Hazard Powder Company. 64,359–60; renewed Aug. 6, 1927.

CLASS 10.

Fertilizer. Wilbur Ellis Company. 227,803; May 17; Serial No. 242,873; published Mar. 8, 1927.
Plant foods. J. S. Falck. 227,791; May 17; Serial No. 242,174; published Mar. 8, 1927.

CLASS 12.

Asphalt and asphalt-brick filler. Standard Oil Company (New Jersey). 228,002; May 17.

Flooring, Rubber. Syra-Bord Rubber Flooring Corporation. 227,825; May 17; Serial No. 255,624; published Mar. 16, 1926.
Lime. Woodville Lime Products Company. 227,912; May 17; Serial No. 236,975; published Jan. 11, 1927.
Metal sheets covered with asbestos. Protected Metal Company. 59,453; renewed Jan. 8, 1927.
Metal sheets covered with asbestos and used for roofing. Protected Metal Company. 57,415; renewed Nov. 13, 1926.
Metal sheets covered with asbestos and used for roofing. Protected Metal Company. 57,472; renewed Nov. 13, 1926.

CLASS 13.

Iron and brass plumbing supplies. Thomas Devlin Manufacturing Company. 227,836; May 17; Serial No. 239,334; published Mar. 8, 1927.
Irons, Waffle. Wrightsville Hardware Company. 227,849; May 17; Serial No. 241,917; published Mar. 8, 1927.
Metal couplings, pipes, tubes, and casings. National Tube Company. 227,898; May 17; Serial No. 236,811; published Mar. 8, 1927.
Metal batracks. Little Bear Specialties Company. 227,979; May 17; Serial No. 240,422; published Mar. 8, 1927.
Rivets. Judson L. Thomson Mfg. Co. 61,164; renewed Mar. 5, 1927.
Showers and shower sprays, Portable. United Manufacturing Co. 227,774; May 17; Serial No. 241,591; published Mar. 8, 1927.
Sprinkling systems and parts thereof. A. E. Chisholm. 227,944; May 17; Serial No. 235,113; published Mar. 8, 1927.
Staples for use in stapling together sheets of paper, fiber, cardboard, etc. Markwell Manufacturing Co. 227,988; May 17; Serial No. 240,870; published Mar. 8, 1927.
Toilets, Chemical. Western Metal Specialty Co. 227,837; May 17; Serial No. 239,209; published Mar. 8, 1927.

CLASS 14.

Lead, solder, and babbitt, and metals and metal alloys. American Smelting & Refining Company. 227,823; May 17; Serial No. 225,541; published Mar. 8, 1927.
Steel, Drill and tool. Ziv Steel & Wire Company. 227,785; May 17; Serial No. 242,329; published Mar. 8, 1927.
Tin plate. Youngstown Sheet and Tube Company. 227,811–12; May 17; Serial Nos. 242,936–7; published Mar. 8, 1927.

CLASS 15.

Gasoline. Benzo-Gas Motor Fuel Company. 227,994; May 17; Serial No. 241,314; published Mar. 8, 1927.
Oils and greases. Havemeyer Oil Company. 61,806; renewed Apr. 9, 1927.
Oils and greases and special lubricants, Lubricating. Ironsides Company. 227,719; May 17; Serial No. 240,659; published Mar. 1, 1927.
Oils, Lubricating. E. F. Houghton & Co. 227,927; May 17; Serial No. 229,968; published Mar. 8, 1927.
Oils, Lubricating. Standard Oil Company. 227,970; May 17; Serial No. 239,432; published Mar. 1, 1927.

CLASS 16.

Cleaner, polish, and preservative for automobiles, furniture, etc., Combination. J. F. Rife. 227,992; May 17; Serial No. 241,183; published Mar. 8, 1927.
Floor dressing. Southern Distributing Co. 227,901; May 17; Serial No. 243,326; published Mar. 8, 1927.
Paint and enamel. Wadsworth Howland & Co. 227,872; May 17; Serial No. 242,974; published Mar. 8, 1927.
Paint, Enamel. Le Ripolin. (Société Anonyme Francaise de Peintures Laqués et d'Enduits Sous-Marins Procédés Lefranc & Briegleb Réunis.) 61,062; renewed Mar. 5, 1927.
Paints. Great Lakes Varnish Works, Inc. 227,758; May 17; Serial No. 242,584; published Mar. 8, 1927.
Paints, varnishes, and anticorrosive paints. Copal Varnish Co. Ltd. 60,270; renewed Feb. 5, 1927.
Paints, varnishes, and lacquers, Paste and ready-mixed. Atlantic Enamel and Lacquer Works, Inc. 227,801; May 17; Serial No. 241,919; published Mar. 8, 1927.
Polisher and cleanser. S. R. Brown. 227,771; May 17; Serial No. 241,693; published Mar. 8, 1927.

CLASS 17.

Cigars. D. J. Weinreich. 227,972; May 17; Serial No. 239,954; published Mar. 8, 1927.
Tobacco. R. J. Reynolds Tobacco Company. 227,720; May 17; Serial No. 240,733; published Mar. 8, 1927.

CLASS 19.

Airplanes. Huff Daland Airplanes, Inc. 227,813; May 17; Serial No. 242,952; published Mar. 8, 1927.
Automobile rear-view mirrors. Mrs. D. F. Beauchamp. 227,768; May 17; Serial No. 241,768; published Mar. 8, 1927.
Automobile rim for the wheels of automobiles. J. Cruz. 227,792; May 17; Serial No. 242,173; published Mar. 8, 1927.
Automobiles. Reo Motor Car Company. 227,984; May 17; Serial No. 240,682; published Mar. 8, 1927.
Bicycles. Shelby Cycle Company. 227,987; May 17; Serial No. 240,738; published Mar. 8, 1927.
Rowboats and motor boats. Johnson Motor Co. 227,850; May 17; Serial No. 241,886; published Mar. 8, 1927.
Trucks, Motor-driven. Yellow Truck & Coach Manufacturing Company. 227,817; May 17; Serial No. 224,686; published Mar. 8, 1927.

CLASS 20.

Linoleum. Società Anonima del Linoleum di Giubiasco (Svizzera). 227,841; May 17; Serial No. 239,002; published Mar. 8, 1927.

CLASS 21.

Aerial insulators and radiopanels, air circuit breakers, switches, coils, etc. Hye-Amp Battery Co. 227,920; May 17; Serial No. 207,189; published Mar. 8, 1927.
Battery eliminators. Glenn L. Martin Company. 227,822; May 17; Serial No. 225,436; published Mar. 8, 1927.
Battery plates and ignition storage batteries. Arco Battery & Plate Co. 227,942; May 17; Serial No. 234,688; published Mar. 1, 1927.
Current converters and interrupters for spark plugs and parts thereof. Lepel Ignition Corporation. 227,993; May 17; Serial No. 241,289; published Mar. 1, 1927.
Electric blasting machines and electrical insulating wire. Eastern Dynamite Company. 64,606; renewed Aug. 13, 1927.
Electric controlling devices, particularly reactors applied in radiocircuits. Pilot Electric Manufacturing Co. 227,820; May 17; Serial No. 225,033; published Mar. 1, 1927.
Electric device. Westinghouse Union Battery Company. 228,012; May 17.
Electric insulating compound. Connecticut Telephone & Electric Company. 227,985; May 17; Serial No. 240,699; published Mar. 1, 1927.
Electric signal boards, electric bells, etc. Toller Electric Co. Inc. 227,830; May 17; Serial No. 240,044; published Mar. 1, 1927.
Electric spotlights for vehicles. Glassmobile Corporation. 227,786; May 17; Serial No. 242,230; published Mar. 8, 1927.
Electrical apparatus. Supreme Electric Mfg. Co. 227,787; May 17; Serial No. 242,216; published Mar. 8, 1927.
Electrical fittings. Erie Malleable Iron Company. 227,815; May 17; Serial No. 222,667; published Mar. 8, 1927.
Electrically-operated mixing equipment. Mixing Equipment Co. 227,991; May 17; Serial No. 241,173; published Mar. 8, 1927.
Electrically recording sound on metal, etc., Machines for. Record-O-Phone Company. 227,893; May 17; Serial No. 227,603; published Mar. 1, 1927.
Electron (vacuum) tubes. B. Chirls. 227,932; May 17; Serial No. 230,872; published Mar. 1, 1927.
Flatirons, Electric. Chicago Flexible Shaft Company. 227,793; May 17; Serial No. 242,090; published Mar. 1, 1927.
Flatirons, Electric. Chicago Flexible Shaft Company. 227,794; May 17; Serial No. 242,089; published Mar. 1, 1927.
Flatirons, Electric. Chicago Flexible Shaft Company. 227,795; May 17; Serial No. 242,085; published Mar. 1, 1927.
Lamps, Electric vehicle. Delta Electric Co. 227,799; May 17; Serial No. 241,990; published Mar. 8, 1927.
Lighting equipment, etc., Theater-. Major Equipment Company. 227,980–1; May 17; Serial No. 240,423–4; published Mar. 1, 1927.
Radio apparatus and accessories. Glenn L. Martin Company. 227,821; May 17; Serial No. 225,435; published Mar. 8, 1927.
Radio receiving sets. Filter-Flex Radio Corp. 227,767; May 17; Serial No. 242,717; published Mar. 8, 1927.
Radio receiving sets. H. P. Trambley. 227,843; May 17; Serial No. 238,536; published Mar. 1, 1927.
Radio sets and parts thereof. J. P. Lieberman. 227,943; May 17; Serial No. 234,714; published Mar. 8, 1927.
Radio receiving sets and parts thereof and loud speakers. Luxor Radio Corporation. 227,798; May 17; Serial No. 242,063; published Mar. 1, 1927.
Radio receiving sets, loud speakers, etc. Roth Radio, Inc. 227,897; May 17; Serial No. 236,775; published Mar. 1, 1927.
Suction cleaners, Electrically-operated. Standard Vacuum Cleaner Manufacturing Company. 227,772; May 17; Serial No. 241,683; published Mar. 1, 1927.
Vacuum tubes and valves. Radio Corporation of America. 227,977–8; May 17; Serial No. 240,365–6; published Mar. 1, 1927.
Wire, ribbon, strips, and rods, Resistance. Driver-Harris Company. 227,851; May 17; Serial No. 241,876; published Mar. 1, 1927.

CLASS 22.

Baseball gloves and baseballs. Wilson-Western Sporting Goods Company. 227,721; May 17; Serial No. 240,837; published Mar. 8, 1927.
Golf balls. Arlington Rubber Company. 227,743; May 17; Serial No. 243,189; published Mar. 8, 1927.

CLASS 23.

Condensers. Bassick Manufacturing Company. 227,855; May 17; Serial No. 226,037; published Mar. 8, 1927.

Planes, saws, and benches, Carpenters'. United Hardware & Tool Corporation. 227,964; May 17; Serial No. 242,399; published Mar. 8, 1927.
Shovels, cranes, and drag lines, Gasoline. Speeder Machinery Corporation. 227,947; May 17; Serial No. 241,501, published Mar. 8, 1927.
Tools, Hand. A. W. Wills & Son. 64,181; renewed July 30, 1927.
Vending machines. S. A. Leschin. 227,963; May 17; Serial No. 242,378; published Mar. 8, 1927.

CLASS 24.

Ironing cushion pads. Thermwool Products Co. Inc. 227,852; May 17; Serial No. 241,847; published Mar. 8, 1927.
Washing machines. Meadows Manufacturing Co. 227,842; May 17; Serial No. 238,797; published Mar. 8, 1927.

CLASS 26.

Adding and accounting machines. Remington Typewriter Company. 227,965; May 17; Serial No. 242,440; published Mar. 8, 1927.
Cameras and parts therefor. I. G. Farbenindustrie Aktiengesellschaft. 227,847; May 17; Serial No. 237,498; published Mar. 8, 1927.
Heat indicators for internal-combustion engines. Pyrene Manufacturing Company. 227,734; May 17; Serial No. 242,796; published Mar. 8, 1927.
Indicating apparatus for navigational purposes, Electrical. Sperry Gyroscope Company. 227,857; May 17; Serial No. 226,309; published Mar. 8, 1927.
Optical instruments, lenses, and optical products. L. H. Scadron. 227,969; May 17; Serial No. 239,320; published Mar. 8, 1927.
Patterns, Paper dress. Condé Nast Publications, Inc. 227,966; May 17; Serial No. 237,654; published Mar. 8, 1927.
Water-gauge glasses. S & C Bishop & Co. 58,235; renewed Dec. 11, 1926.

CLASS 27.

Watchcases and watches. S. Bruner Inc. 227,838–9; May 17; Serial Nos. 239,085–6; published Mar. 1, 1927.
Watchcases and watches. S. Bruner Inc. 227,840; May 17; Serial No. 239,083; published Mar. 1, 1927.
Watchcases and watches. S. Bruner Inc. 227,968; May 17; Serial No. 239,084; published Mar. 1, 1927.
Watches and parts thereof. Gebrüder Thiel Gesellschaft mit beschrankter Haftung. 227,995; May 17; Serial No. 241,336; published Mar. 1, 1927.
Watches. S. Weissman Company. 227,854; May 17; Serial No. 241,800; published Mar. 1, 1927.

CLASS 28.

Chains of all kinds, Filled. S. O. Bigney. 65,016; renewed Sept. 3, 1927.
Jewelry. D. Lisner & Co. Inc. 227,750; May 17; Serial No. 242,380; published Mar. 8, 1927.
Jewelry. Stockert & Cie. 227,990; May 17; Serial No. 241,121; published Mar. 1, 1927.
Metal ware, Solid and plated precious-. James Dixon & Sons. 64,240; renewed July 30, 1927.
Silver hollow ware. Bernard Rice's Sons, Inc. 227,950; May 17; Serial No. 241,677; published Mar. 1, 1927.
Silver-plated knives. Associated Silver Company. 227,951; May 17; Serial No. 241,689; published Mar. 1, 1927.
Silverware. Weidlich Sterling Spoon Co. 227,818; May 17; Serial No. 224,792; published Mar. 1, 1927.

CLASS 29.

Dusting cloths. B. Benoni. 227,967; May 17; Serial No. 238,157; published Mar. 8, 1927.
Hairbrushes. R. W. Eyster. 227,917; May 17; Serial No. 203,941; published Mar. 8, 1927.
Puffs, Powder. M. Levy. 227,827; May 17; Serial No. 225,885; published Mar. 22, 1926.
Windshield wipers. American Bosch Magneto Corporation. 227,996; May 17.

CLASS 34.

Furnaces. Graff Furnace Co. 63,907; renewed July 16, 1927.
Humidifying and purifying air, Apparatus for. Andre-White Corporation. 227,724; May 17; Serial No. 241,374; published Mar. 8, 1927.
Oil burners. National Appliances Installations, Inc. 227,736; May 17; Serial No. 242,961; published Mar. 8, 1927.
Oil burners, Domestic. Electrol, Inc. of Missouri. 227,948; May 17; Serial No. 241,522; published Mar. 8, 1927.
Radiator humidifying shields and covers, Heating-. Andre-White Corporation. 227,725; May 17; Serial No. 241,375; published Mar. 8, 1927.
Shades for electric lights, Metal. M. S. Clawson. 227,780; May 17; Serial No. 241,394; published Mar. 8, 1927.
Stoves and heaters. Stover Manufacturing & Engine Co. 227,929; May 17; Serial No. 230,460; published Aug. 31, 1926.

CLASS 35.

Inner tubes, tire and tube patches, repair kits, etc., Rubber. Fisk Rubber Company. 227,953; May 17; Serial No. 241,817; published Mar. 8, 1927.
Tire and tube patches and repair outfits. Fisk Rubber Company. 227,946; May 17; Serial No. 241,476; published Mar. 8, 1927.
Tires. Fisk Rubber Company. 227,907; May 17; Serial No. 243,487; published Mar. 8, 1927.
Tires, Pneumatic. Fisk Rubber Company. 227,726; May 17; Serial No. 241,406; published Mar. 8, 1927.
Tires, Vehicle. Fisk Rubber Company. 227,727; May 17; Serial No. 241,475; published Mar. 8, 1927.
Tires, Vehicle. Fisk Rubber Company. 227,956; May 17; Serial No. 241,994; published Mar. 8, 1927.

CLASS 36.

Banjo ukuleles, tenor ukuleles, steel Hawaiian guitars, mandolins, etc. Schireson Bros. 228,016; May 17.
Brass-band and wood-wind musical instruments and parts thereof, etc. Buegeleisen & Jacobson. 228,004; May 17.
Mouthpieces for wind instruments. H. & A. Selmer, Inc. 227,808; May 17; Serial No. 242,921; published Mar. 8, 1927.
Musical instruments. Lyon & Healy, Inc. 227,824; May 17; Serial No. 226,616; published Mar. 17, 1927.
Musical instruments and supplies. M. Waterson. 227,858; May 17; Serial No. 226,758; published Mar. 1, 1927.
Musical instruments of the zither type. International Musical Corporation. 227,835; May 17; Serial No. 239,369; published Mar. 8, 1927.
Phonograph records, Educational charts in the form of. A. E. Ambalov. 227,856; May 17; Serial No. 226,120; published Mar. 1, 1927.
Phonographs and parts thereof. American Automatic Products Corporation. 227,913; May 17; Serial No. 148,050; published Mar. 8, 1927.
Phonographs, phonograph sound boxes, and phonograph needles. Walker Products Company. 227,773; May 17; Serial No. 241,594; published Mar. 8, 1927.
Pianos. Lester Piano Company. 227,783; May 17; Serial No. 242,342; published Mar. 8, 1927.
Pianos. A. Wagner & Levien Sucesores, Sociedad en Comandita. 227,894; May 17; Serial No. 228,340; published Mar. 8, 1927.
Violins, cellos, etc. Buegeleisen & Jacobson. 228,005; May 17.
Violins, violas, violoncellos, etc. Henry Stadlmair Co. 227,935; May 17; Serial No. 232,294; published Mar. 8, 1927.

CLASS 37.

Albums, Eastman Kodak Company. 227,765–6; May 17; Serial Nos. 242,713–14; published Mar. 8, 1927.
Diaries. Standard Dairy Company. 227,728; May 17; Serial No. 242,695; published Mar. 8, 1927.
Paper and mailing envelopes, writing. White Wyckon Manufacturing Company. 227,880; May 17; Serial No. 243,180; published Mar. 8, 1927.
Paper, Blotting. Eaton-Dikeman Co. 228,019–21; May 17.
Paper Crepe. American Tissue Mills. 227,763; May 17; Serial No. 242,700; published Mar. 8, 1927.
Paper, Enamel blotting. Eaton-Dikeman Co. 228,022; May 17.
Paper, paper towels, and paper napkins, Toilet. Wortendyke Manufacturing Co. 227,863; May 17; Serial No. 242,762; published Mar. 8, 1927.
Paper, Writing and printing. Strathmore Paper Company. 227,862; May 17; Serial No. 242,760; published Mar. 8, 1927.
Paper, Writing, printing, and ledger. Wiggins, Teape & Co. Limited. 60,931; renewed Feb. 26, 1927.

CLASS 38.

Cartoon strips. Metropolitan Newspaper Service. 227,809; May 17; Serial No. 243,555; published Mar. 8, 1927.
Cartoon strips. Metropolitan Newspaper Service. 227,908; May 17; Serial No. 243,554; published Mar. 8, 1927.
Cartoons. Metropolitan Newspaper Service. 227,748; May 17; Serial No. 243,553; published Mar. 8, 1927.
Magazine. Chicago Golfer Publishing Co. 227,878; May 17; Serial No. 243,139; published Mar. 8, 1927.
Magazine. Dell Publishing Company. 227,909; May 17; Serial No. 243,645; published Mar. 8, 1927.
Magazine. A. MacRae. 227,868; May 17; Serial No. 242,841; published Mar. 8, 1927.
Magazine. Jos. A. Morris & Co. 227,877; May 17; Serial No. 243,103; published Mar. 8, 1927.
Magazine. Western Wheeled Scraper Co. 227,883; May 17; Serial No. 243,245; published Mar. 8, 1927.
Magazine in the Spanish language, Monthly. Western Wheeled Scraper Co. 227,884; May 17; Serial No. 243,246; published Mar. 8, 1927.
Magazine section. A. W. Shaw Company. 227,881; May 17; Serial No. 243,233; published Mar. 8, 1927.
Magazines. Conrad Company Inc. 227,875; May 17; Serial No. 243,035; published Mar. 8, 1927.
Magazines. J. Willy. 63,403; renewed June 18, 1927.

Newspaper. New York Times Company. 227,904; May 17; Serial No. 243,450; published Mar. 8, 1927.
Newspaper. Times Publishing Company. 227,871; May 17; Serial No. 243,629; published Mar. 8, 1927.
Periodical. Meliorate Club Company. 227,747; May 17; Serial No. 243,552; published Mar. 8, 1927.
Periodicals. New York Times Company. 227,905; May 17; Serial No. 243,451; published Mar. 8, 1927.
Printing or lithography, Products of a process of. C. Swarts. 227,940; May 17; Serial No. 233,587; published Mar. 8, 1927.
Publication. American Photo-Engravers Association. 227,878; May 17; Serial No. 242,978; published Mar. 8, 1927.
Publication. Civic Press. 227,870; May 17; Serial No. 243,587; published Mar. 8, 1927.
Publication. United American Publishing Co. 227,889; May 17; Serial No. 243,294; published Mar. 8, 1927.
Publications. New York Times Company. 227,906; May 17; Serial No. 243,452; published Mar. 8, 1927.

CLASS 39.

Clothing. Guiterman Bros. 65,096; renewed Sept. 10, 1927.
Coats, Men's. Odegard Company. 227,999; May 17.
Furs. C. C. Shayne & Co. 62,413; renewed May 7, 1927.
Hosiery. M. D. Shanman Company. 228,015; May 17.
Neckties and scarfs. Keys & Lockwood. 228,007; May 17.
Overalls, work shirts, and pants. C. Saad. 227,998; May 17.
Shoes, Girl's. Wellauer-Noll Shoe Mfg. Co. 228,023; May 17.
Shoes, Women's leather. Rice and Hutchins, Inc. 64,945; renewed Aug. 27, 1927.
Slips. Garfinkel & Ritter. 228,013; May 17.
Suits. Goodman & Suss Inc. 228,003; May 17.
Suits and overcoats, Men's. J. David. 228,008; May 17.
Underwear, Woven and knitted. R. P. McLoughlin & Company. 228,009; May 17.

CLASS 40.

Barrettes, hairpins, and combs, Nonmetallic. Du Pont Viscoloid Company (Incorporated). 228,011; May 17.

CLASS 42.

Cotton and linen goods in the piece. Tucapau Mills 227,892; May 17; Serial No. 227,543; published Mar. 8, 1927.
Cotton piece goods. C. Topkis. 227,810; May 17; Serial No. 242,927; published Mar. 8, 1927.
Duck or canvas, Heavy cotton. West Point Manufacturing Company. 227,916; May 17; Serial No. 197,645; published Sept. 29, 1925.
Handkerchief. M. Doob, Sons & Company. 227,770; May 17, Serial No. 241,701; published Mar. 8, 1927.
Laces and embroideries. Thurnherr & Upton Co. 227,778; May 17; Serial No. 241,453; published Mar. 8, 1927.
Silk, wool, and hairs, Piece goods of. Bianchini, Ferier. 227,989; May 17; Serial No. 241,028; published Mar. 8, 1927.
Textile fabrics, Oriental Silk Printing Company. 227,886; May 17; Serial No. 243,278; published Mar. 8, 1927.
Textile mattress covers. Jordan Marsh Company. 227,971; May 17; Serial No. 239,661; published Mar. 8, 1927.
Textiles. Massachusetts Cotton Mills. 63,505; renewed June 25, 1927.
Woolen and cotton piece goods, woolen blankets, automobile robes, etc. Joshua Hoyle & Sons, Ltd. Inc.; 227,723; May 17; Serial No. 241,104; published Mar. 8, 1927.

CLASS 44.

Arch supporters. Mayer Arch Support Company; 227,769; May 17; Serial No. 241,738; published Mar. 8, 1927.
Atomisers, applicators, breast pumps, finger cots, etc. S. H. Wetmore Company; 227,910; May 17; Serial No. 211,191; published Mar. 8, 1927.
Belts, electric. A. Nelson; 227,777; May 17; Serial No. 241,494; published Mar. 8, 1927.
Belts for medical purposes, Electromagnetic. J. L. Eigholz. 227,874; May 17; Serial No. 242,987; published Mar. 8, 1927.
Sanitary napkins. De Long Hook and Eye Company. 227,867; May 17; Serial No. 242,823; published Mar. 8, 1927.
Sanitary napkins. Paper Novelty Company. 227,890; May 17; Serial No. 243,319; published Mar. 8, 1927.
Sanitary napkins. Paper Novelty Company. 227,891; May 17; Serial No. 243,321; published Mar. 8, 1927.
Sanitary napkins. Paper Novelty Company. 227,900; May 17; Serial No. 243,320; published Mar. 8, 1927.
Sanitary pads. Sauquoit Paper Co. Inc. 227,807; May 17; Serial No. 242,914; published Mar. 8, 1927.

CLASS 45.

Beer, Root. Charles E. Hires Company. 62,687; renewed May 21, 1927.
Beverage. Pepsol Chemical Company. 62,407; renewed May 7, 1927.
Beverage and sirup for making the same. T. J. Beck. 227,744; May 17; Serial No. 243,191; published Mar. 8, 1927.
Beverages. Caledonia Springs Company. 227,952; May 17; Serial No. 241,604; published Mar. 8, 1927.
Beverages. L. C. Kimsey. 227,931; May 17; Serial No. 230,742; published Mar. 8, 1927.
Ginger ale and other flavors. Goldman & Frekman Bottling Co. 227,954; May 17; Serial No. 241,821; published Mar. 8, 1927.
Water, Distilled. I. H. Jewell. 227,745; May 17; Serial No. 243,272; published Mar. 8, 1927.

CLASS 46.

Alimentary paste products. Tharinger Macaroni Company. 227,834; May 17; Serial No. 239,494; published Mar. 1, 1927.
Alimentary products. Chicago Macaroni Co. 227,800; May 17; Serial No. 241,986; published Mar. 1, 1927.
Apples and pears, Fresh. Sheehy and Cumming. 227,930; May 17; Serial No. 230,594; published Mar. 8, 1927.
Biscuits, Dog and puppy. K. O. Supply Company. 227,759; May 17; Serial No. 242,594; published Mar. 8, 1927.
Bread and biscuit. National Biscuit Company. 65,141; renewed Sept. 10, 1927.
Bread, crackers, cakes, etc. Watthael Baking Co. 227,760; May 17; Serial No. 242,601; published Mar. 8, 1927.
Cake. Phila. Home Made Bread Co. 228,017; May 17.
Candies. Blue Hill Candy Co. 227,864; May 17; Serial No. 242,773; published Mar. 8, 1927.
Candy. Stone Candy Company. 227,982; May 17; Serial No. 240,454; published Mar. 8, 1927.
Candy. George Ziegler Company. 227,923; May 17; Serial No. 214,636; published Feb. 15, 1927.
Canned corn. Portland Packing Co. 63,105; renewed June 4, 1927.
Canned fish. McGovern and McGovern. 228,010; May 17.
Canned food product. College Inn Food Products Co. 227,866; May 17; Serial No. 242,820; published Mar. 8, 1927.
Canned fruits and vegetables. H. F. Hemingway & Co. 65,051; renewed Sept. 3, 1927.
Canned peaches and tomatoes and flavoring extracts. Haas-Lieber Grocery Co. 64,385; renewed Aug. 6, 1927.
Canned salmon and clams. Tillamook Bay Fish Co. 227,761; May 17; Serial No. 242,632; published Mar. 8, 1927.
Canned vegetables. J. Matoska. 227,754; May 17; Serial No. 242,434; published Mar. 8, 1927.
Cocoa, pastries, confectionery, etc. "Sarotti" Aktiengesellschaft. 227,936; May 17; Serial No. 232,795; published Mar. 1, 1927.
Coffee. H. M. B. Mack. 227,814; May 17; Serial No. 221,182; published Mar. 8, 1927.
Coffee. Sanitary Grocery Company, Incorporated. 227,746; May 17; Serial No. 243,389; published Mar. 8, 1927.
Coffee. H. N. Saurage. 227,922; May 17; Serial No. 211,235; published May 19, 1925.
Coffee. E. M. Swing. 227,975; May 17; Serial No. 240,375; published Mar. 8, 1927.
Dairy products. Grafeman-McIntosh Ice Cream Company. 227,819; May 17; Serial No. 225,356; published Mar. 8, 1927.
Doughnuts and doughnut mixture. Dawn Donut Company of Jackson. 227,939; May 17; Serial No. 233,482; published Mar. 8, 1927.
Durum semolina. Duluth-Superior Milling Company. 227,764; May 17; Serial No. 242,712; published Mar. 8, 1927.
Eggs. A. L. Jaenicke. 65,375; renewed Sept. 24, 1927.
Extracts, Flavoring. A. R. Martino 227,976; May 17; Serial No. 240,273; published Mar. 8, 1927.
Flavoring. Hershey Chocolate Company. 227,937; May 17; Serial No. 233,075; published Mar. 1, 1927.
Flour, Self-rising. Dundas Bros. Co. 227,826; May 17; Serial No. 225,874; published Mar. 8, 1927.
Flour, Self-rising pancake, buckwheat, cake, biscuit, etc. Teco Foods, Inc. 227,938; May 17; Serial No. 233,243; published Mar. 1, 1927.
Flour, Wheat. Fisher Flouring Mills Company. 227,757; May 17; Serial No. 242,530; published Mar. 8, 1927.
Flour, Wheat. Hylton Flour Mills, Inc. 227,776; May 17; Serial No. 241,572; published Mar. 8, 1927.
Flour, Wheat. Kansas Flour Mills Corporation. 227,986; May 17; Serial No. 240,721; published Mar. 8, 1927.
Flour, Wheat. Larabee Flour Mills Company. 227,831; May 17; Serial No. 240,031; published Mar. 8, 1927.
Flour, Wheat. New Era Milling Company. 62,945; renewed May 28, 1927.
Food dressing in the form of a sauce. Shaw Family, Inc. 227,779; May 17; Serial No. 241,445; published Mar. 8, 1927.
Food preparation. Southwestern Packing Co. 227,997; May 17.
Fruit, Fresh deciduous. H. L. Frost. 227,899; May 17; Serial No. 242,423; published Mar. 8, 1927.
Fruits, Dried. Goldenripe Fruits, Inc. 227,740; May 17; Serial No. 243,149; published Mar. 8, 1927.
Fruits, Fresh citrous. C. T. Paine. 227,887; May 17; Serial No. 243,282; published Mar. 8, 1927.

Grapes, Fresh. I. L. Perry. 227,888; May 17; Serial No. 243,285; published Mar. 8, 1927.
Gum, Chewing. American Chicle Company. 227,859; May 17; Serial No. 227,339; published May 4, 1926.
Hays and ground feeds. Mason Alfalfa Process Company. 227,751; May 17; Serial No. 242,383; published Mar. 1, 1927.
Ice cream, whipping cream, butter, etc. Rio Grande Valley Dairy Association. 227,782; May 17; Serial No. 242,352; published Mar. 1, 1927.
Jelly base, Soluble powdered. White-Stokes 228,014; May 17.
Malt extract. J. W. Mitts. 227,731; May 17; Serial No. 242,603; published Feb. 22, 1927.
Milk, butter, and cheese, Condensed. Nestlé & Anglo-Swiss Condensed Milk Co. 60,486; renewed Feb. 12, 1927.
Milk, Evaporated. Sego Milk Products Company. 228,006; May 17.
Milk, Sterilized and condensed. Nestlé & Anglo-Swiss Condensed Milk Co. 59,907; renewed Jan. 22, 1927.
Mustard. R. T. French Company. 227,832; May 17; Serial No. 239,978; published Mar. 1, 1927.
Mustard, spices, cooking herbs, etc. R. T. French Company. 227,833; May 17; Serial No. 239,977; published Mar. 8, 1927.
Oils, Olive. Compañia General de Aceites de Oliva, S. A. 227,918; May 17; Serial No. 204,220; published Mar. 8, 1927.
Oranges, lemons, grapefruit, grapes. Osborne Fruit & Vegetable Co. 227,925; May 17; Serial No. 219,837; published Apr. 13, 1926.
Pecans. Dixie Pecan Growers Exchange, Inc. 227,756; May 17; Serial No. 242,524; published Mar. 8, 1927.
Pickles. Hirsch Bros. & Co. Inc. 227,903; May 17; Serial No. 243,438; published Apr. 8, 1927.
Rusk. H. Diederich. 227,914; May 17; Serial No. 180,112; published Sept. 2, 1924.
Sardines. Angus Watson & Co. 63,451; renewed June 18, 1927.
Sirup for food purposes, Malt. Valentin Blatz Brewing Company. 227,797; May 17; Serial No. 242,079; published Mar. 1, 1927.
Tapioca, egg albumen, and egg yolk. Stein, Hall & Company Inc. 227,933; May 17; Serial No. 231,020; published Mar. 8, 1927.
Tea, cocoa, spices, canned fruits, etc. Forbes Bros. Tea & Spice Co. 227,896; May 17; Serial No. 236,477; published Mar. 1, 1927.
Tea, cocoa, spices, canned fruits, etc. Forbes Bros. Tea & Spice Co. 227,945; May 17; Serial No. 236,475; published Mar. 1, 1927.
Vinegar. W. Martl. 227,848; May 17; Serial No. 237,430; published Mar. 1, 1927.
Yeast. Universal Yeast Corporation. 227,753; May 17; Serial No. 242,400; published Mar. 1, 1927.

CLASS 47.

Wines. Martini & Rossi. 227,926; May 17; Serial No. 229,450; published Mar. 8, 1927.

CLASS 49.

Whisky. Tanqueray Gordon & Co. Limited. 63,062; renewed June 4, 1927.

CLASS 50.

Memorials, monuments, headstones, and markers. W. Barclay. 228,018; May 17.

ALPHABETICAL LIST OF LABELS.

Balanced. For Scratch Grains. Farmers Syndicate Inc. 32,096; May 17.
Big. 4. For White Laundry Soap Flakes. Iowa Soap Company. 32,100; May 17.
Canary Cage Liners. For Sheets of Waxed Paper. Kalamazoo Wax Paper Co. 32,101; May 17.
Canton. For Spool Silk. Gudebrod Bros. Silk Co. 32,099; May 17.
Cat Chow. For a Food Preparation Composed of Meat, Milk, Cereals, and Vegetables for Cats. Southwestern Packing Co. 32,112; May 17.
Colonial. For Butter. Menasha Printing and Carton Company. 32,103; May 17.
Columbia Fillets. For Sea Foods. Baker, Bolls & Watson Company. 32,093; May 17.
Evergreen Brand. For Fresh Asparagus. Three Rivers Growers Association. 32,113; May 17.
Green Valley. For Butter. Menasha Printing and Carton Company. 32,104; May 17.
Gridley Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 32,105; May 17.
Health Brand. For Fresh Rhubarb. Joseph Becker Co. 32,094; May 17.
International Royal Table Water. For Mineral Water. Silver King Products Corporation. 32,111; May 17.
Lanax. For Sanitary Napkins. Rockhill Textile Manufacturing Company. 32,109; May 17.
Manhattan's Best Malt Syrup. For Malt Sirup. G-G Products Company. 32,098; May 17.
Modern Library, Inc. For Books, Being Placed Around the Books as a Jacket. Modern Library, Inc. 32,106; May 17.
Old Home. For Bread. W. E. Long Co. 32,102; May 17.
Oso-Comfy. For Furniture, and Particularly Furniture of the Overstuffed Class. H. Robinson. 32,108; May 17.
Prudence. For Tracing Cloth. Arkwright Finishing Company. 32,092; May 17.
Rose Brand. For Butter. Galva Creamery Co. 32,097; May 17.
Silver King Sparkling Mineral Water. For Mineral Water. Silver King Products Corporation. 32,110; May 17.
Sun Sweet. For Sweet Potatoes. Portales Valley Sweet Potato Growers Association. 32,107; May 17.
Take a Taxi. For a Candy Bar. California Rose Candy Co. 32,095; May 17.
The Hen That Laid the Golden Eggs. For Eggs. American Butter Company. 32,091; May 17.

ALPHABETICAL LIST OF PRINTS.

Big Grocery Seller!—Flit. For Insecticide. Stanco Distributors, Incorporated. 9,846; May 17.
Blauner's Pacific Serge 2 Pants Suits. For Men's Clothing. Blauner's. 9,834; May 17.
Compare the Whiteness of White Houses. For Paint. New Jersey Zinc Company. 9,843; May 17.
Famous Numbers—How Many Do You Know? For Heinz 57 Varieties. H. J. Heinz Company. 9,840; May 17.
For Dessert My-T-Fine. For Dessert Preparations. D & C Co. Inc. 9,836; May 17.
For Gastric Ulcer. For Wheat Breakfast Food. Cream of Wheat Co. 9,835; May 17.
How Clean My Mouth Feels! For Dental Cream. Kolynos Company. 9,842; May 17.
I Know Beans. For Oven-Baked Beans. H. J. Heinz Company. 9,839; May 17.
In Your Heart You Know Slidewell Bows Sell Best. For Bow Ties. Friedman Bros. & Sons Neckwear Co. 9,837; May 17.
Pick The Winner—Make Flit Success Your Success. For Insecticide. Stanco Distributors, Incorporated. 9,847; May 17.
Sales Increasing by Leaps and Bounds. For Marmalade. Adolph Goldmark & Sons Corp. 9,838; May 17.
Sunrise Pillows. For Pillows. Northern Feather Works, Inc. 9,845; May 17.
Use a White Paint That Will Keep Its Whiteness. For Paint. New Jersey Zinc Company. 9,844; May 17.
Your Plumber Guards Your Health and Home. For Water Softeners. R. J. Held. 9,841; May 17.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal (except smithing coal). Pittsburgh Coal Company. 242,308–10; May 17.
Seeds, Farm. South Dakota Crop Improvement Association. 225,525; May 17.

CLASS 3.

Bags and frames, Hand. Ajay Frame & Bag Company. 242,977; May 17.
Cases, Brief. Washington Jewelry Company. 246,188; May 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cases, Violin. Peates Music House, Incorporated. 246,860; May 17.
Horse collars. Jim Dandy Collar Company. 235,928; May 17.
Purses and hand bags, Ladies'. J. C. Penny Company. 246,979; May 17.
Purses, hand bags, and pocket books. E. Jellinek. 246,958; May 17.
Suitcases, Wardrobe. Hartmann Trunk Company. 245,842; May 17.

CLASS 4.

Chemical compound for cleaning grease and spots from clothing and cloth. Monroe Chemical Co. 244,946; May 17.
Cleaning compound. Schalk Chemical Company. 196,261; May 17.
Fluid for correcting the gripping capacity of friction brakes. F. Koon. 228,855; May 17.
Polish. Argosy Manufacturing Company. 242,942; May 17.
Polish, Metal. D. D. Thomas. 245,035; May 17.
Polishing paste, liquid polish, etc. Werner & Mertz Aktiengesellschaft. 227,817; May 17.

CLASS 6.

Bleach, Liquid. A. Lucati. 246,487; May 17.
Chemical compound for electric storage batteries. Weeks & Winter. 247,152; May 17.
Chemical for rustproofing material. Parker Rust-Proof Company. 237,130; May 17.
Compounds for leaky radiators. W. C. Payne. 245,514; May 17.
Cough medicine, medicine for colds, influenza, etc. N. J. Segal. 244,890; May 17.
Cream, Facial. Howell Drug Company. 242,724–5; May 17.
Cream, skin tonic, muscle oil, rouge, etc., Cold. Saphes Incorporated. 242,803; May 17.
Creams, perfumes, and hair tonics, Beauty. B. Harrington. 245,556; May 17.
Creosote emulsions for coughs and colds. F. H. Markey Co. 247,137; May 17.
Dentifrices. Kemic Powder Co. 246,961; May 17.
Drugs, Household. Plee-Zing Corporation. 242,967; May 17.
Hair grower. M. E. Baker. 238,151; May 17.
Hair rub, hair fixative preparation, and a preparation for removing dandruff, Liquid cooling. Koken Companies. 246,096; May 17.
Hair tonic. Listerated Company. 245,276; May 17.
Healing ointment. Josephine S. Roupe. 244,233; May 17.
Laxative, Candy. K. Takl. 245,761; May 17.
Laxative, Liquid. Spear and Morgan Manufacturing Company. 247,223; May 17.
Liniment. E. A. Hull. 207,787; May 17.
Liniment, Rubbing. A. L. Fehsenfeld. 241,877; May 17.
Medicated chewing gum. Antiseptic Gum Co. 246,144; May 17.
Medicinal preparation. J. M. Hogan. 244,696; May 17.
Medicinal preparation. C. Ohlendorf. 243,772; May 17.
Medicinal tablet. L. W. Davies. 245,085; May 17.
Medicines. Bayer Company. 235,874; May 17.
Medicines. Bayer Company. 235,877–8; May 17.
Medicines. Sterling Products (Incorporated). 236,100; May 17.
Oil and mineral oil for medicinal use, Cod-liver. L. Eisen & Co. 246,088; May 17.
Oils, Cod liver. National Oil Products Company. 244,313; May 17.
Oils for treating textile fibers. E. F. Houghton & Co. 246,286; May 17.
Palliative for headache and rheumatism, burns, pimples, etc. A. Wojciechowski. 245,177; May 17.
Perfume. Richard Hudnut. 247,130; May 17.
Perfumes, cologne, beauty creams, etc. M. Guerlain. 240,025; May 17.
Pickling compounds for cleaning steel or metal. W. M. Parkin. 245,513; May 17.
Powder, creams, packs, toilet water, etc., Face. M. J. Raffy. 244,318; May 17.
Powder for exterminating rats and mice. C. F. York. 247,238; May 17.
Powders. Chafo Manufacturing Company. 244,984; May 17.
Powders, face creams and packs, toilet waters, rouges, etc., Face. Maté, Inc. 246,969; May 17.
Powders, face creams and packs, toilet waters, rouges, etc., Face. William A. Webster Company. 243,900; May 17.
Powders, Face, talcum, tooth, nail, etc. F. A. Schwannecke. 246,637; May 17.
Preparation for the treatment of malarial diseases. Paris Medicine Co. 246,047; May 17.
Preparation for use in the treatment of asthma and all bronchial troubles. L. F. Beaudreau. 246,460; May 17.
Preparations. W. E. Chandler. 247,003; May 17.
Salt. E. L. Karnes. 236,553. May 17.
Shampoo and corrective for dandruff. E. A. Zink. 229,997; May 17.
Soldering fluid. C. J. Johnson. 246,412; May 17.
Sulphite, Shredded. Fidalgo Sales Corporation. 241,404; May 17.
Toilet preparations. B. Gellman. 239,030; May 17.
Tonic and hæmoglobin base for anæmia, convalescing chlorosis, etc., Ferruginous. J. U. Martinez. 242,732; May 17.
Tonic laxative and alterative. B. O. Lytle. 246,965; May 17.
Whooping-cough compound. E. T. Duris. 247,007; May 17.

CLASS 8.

Pipes, cigar and cigarette holders, Smokers'. M. Alland. 245,881; May 17.

CLASS 9.

Matches. Plee-Zing Corporation. 242,968; May 17.
Matches, Safety. Vulcan Match Co. 246,252; May 17.

CLASS 10.

Fertilizers. U. S. Export Chemical Corporation. 228,281; May 17.

CLASS 12.

Cement plaster, Neat. Atlantic Gypsum Products Company. 244,207; May 17.
Gypsum. Atlas Gypsum Corporation. 244,270; May 17.
Insulating material, Mineral heat, cold, and sound. Beaver Products Company. 245,079; May 17.
Roofing, Asphalt. Beaver Products Company. 203,930; May 17.
Tiles. Sparta Ceramic Company. 244,328–32; May 17.

CLASS 13.

Automotive parts. King Manufacturing Corporation. 246,613; May 17.
Brass ware and pewter ware, Gift articles comprising. M. A. Billington. 237,062; May 17.
Nails. American Steel and Wire Company of New Jersey. 245,952; May 17.
Pressure regulators, combustion controls, tank valves, etc. Julian D'Este Company. 246,482; May 17.
Strainers, Coffee, tea, soup, and jelly. Utility Manufacturing Company. 245,818; May 17.

CLASS 15.

Gasoline. Hickok Producing Co. 232,331; May 17.
Oil for lubricating, Diluting. Willhelm Oil Company. 245,387; May 17.
Oils, gasoline and kerosene. Herington Oil Company. 246,346; May 17.
Oils, Lubricating. J. N. Thompson. 185,729; May 17.

CLASS 16.

Paint. Elco Paint Products, Inc. 245,480; May 17.
Paints. United States Gutta Percha Paint Company. 227,376; May 17.
Polishes for furniture, etc. G. T. Gillette. 240,413; May 17.

CLASS 17.

Cigars. R. S. Tatum, jr. 246,646; May 17.
Cigars. Yocum Bros., Inc. 246,457–8; May 17.
Tobacco, Smoking. Zorro Tobacco Co. Inc. 247,112; May 17.

CLASS 19.

Automobile seat covers. Hampden Auto Top and Metal Company. 246,157; May 17.
Automobiles. Elcar Motor Company. 244,921; May 17.
Vehicle bodies and parts thereof. Hoover Body Company. 246,902; May 17.
Vehicle bodies and parts thereof. Hoover Body Company. 246,904; May 17.

CLASS 20.

Linoleum. Lisher & Ratto. 231,937; May 17.

CLASS 21.

Chargers, Trickle. Hartford Battery Mfg. Co. 246,158; May 17.
Circuit breakers, air break switches, fuse tubes, choke coils, etc., Oil. Pacific Electric Manufacturing Co. 246,114; May 17.
Electric egg cookers, air heaters, and adjustable lamps. Magnavox Company. 246,038; May 17.
Headlights and reflectors therefor, Electric. Indiana Lamp Corporation. 241,286; May 17.
Insulated electrical conductors and nonmetallic conduits for electrical conductors. Wiremold Company. 245,820; May 17.
Lightning arresters. M. M. Fleron & Son, Inc. 245,974; May 17.
Lightning arresters. M. M. Fleron & Son, Inc. 245,976–7; May 17.
Loud speaker units. Blood Tone Arm Company. 230,011; May 17.
Spark timers. Toledo Timer Co. 245,670–1; May 17.

CLASS 22.

Dolls. Curtiss Candy Company. 243,423; May 17.
Dolls and doll playpen sets. Strauss-Eckardt Co. 246,987; May 17.
Toys, Sheet metal. E. H. Chein. 232,993; May 17.

CLASS 24.

Ironing board pads and covers. Lamco Products Co. 246,013; May 17.
Wash boilers, wash-boiler covers, washtubs, and clothes sprayers. Republic Metalware Co. 246,775; May 17.

CLASS 27.

Watches. Dueber-Hampden Watch Company. 245,086; May 17.
Watches. Goldman Jewelry & Optical Co. 245,709; May 17.
Watches and parts thereof. Diel Watch Case Co., Inc. 244,142; May 17.
Watches and parts thereof. Diel Watch Case Co., Inc. 244,754–5; May 17.
Watches and parts thereof. Diel Watch Case Co., Inc. 244,757–8; May 17.

CLASS 28.

Pearl necklaces, brooches, etc. Colonial Bead Co. 236,117; May 17.
Watch chains. R. F. Simmons Company. 245,304; May 17.

CLASS 31.

Filtering and softening water, Apparatus for. J. Astrom. 241,554; May 17.

CLASS 34.

Candlesticks, stovepipe thimbles, flue stoppers, etc. Republic Metalware Co. 246,777; May 17.
Heaters, air and gas mixers, furnaces, etc., Gas-burning water. Geo. D. Roper Corporation. 225,804; May 17.
Oil burners. G. E. Custer. 245,696; May 17.
Radiation and radiators. Lincoln Radiator Corporation. 245,915; May 17.
Stoves, ranges, and furnaces and parts thereof. Prizer-Painter Stove Works. 246,177; May 17.

CLASS 36.

Phonographs and phonograph sound boxes. P. I. Burks & Co. 244,217; May 17.
Pianos, organs, player pianos, etc. Automatic Musical Instrument Company. 237,012; May 17.

CLASS 37.

Cards and forms for indexes, index guide cards, etc., Blank and partially-printed. Rand Kardex Bureau, Inc. 246,709; May 17.
Mounts for X-ray negatives. I. S. Berger. 243,921; May 17.
Paper, Blotting. Eaton-Dikeman Co. 227,578; May 17.
Paper napkins. Groff Paper Company. 247,018; May 17.
Paper, Tympan. Cromwell Paper Co. 243,593; May 17.
Paper, Writing and printing. American Writing Paper Company. 247,113; May 17.
Pencils, leads, crayons, etc., Lead. J. S. Staedtler, Inc. 246,234; May 17.
Printed forms. Bankers Printing Company. 240,057; May 17.
Registers, Manifolding. Autographic Register Company. 245,184; May 17.
Tape, Gummed. Mid-States Gummed Paper Company. 242,544; May 17.
Tissue, Toilet. National Paper Products Company. 245,745; May 17.

CLASS 38.

Books, Printed. Foundation Press, Inc. 246,276; May 17.
Magazine. Conrad Co. 245,695; May 17.
Magazine. Walters Rubber Co. Inc. 244,257; May 17.
Magazines, books, and newspaper columns. M. F. Judell. 245,398; May 17.
Newspaper and magazine articles, books, and pamphlets, Nom de plume for. F. Marquis. 245,848; May 17.
Publication. Acme Brick Company. 245,948; May 17.
Publication or magazine. A. I. Norton. 246,924; May 17.
Publication, Section of a periodical. Chain Store Publishing Corporation. 242,818; May 17.
Publications. C. P. Carter. 246,073; May 17.

CLASS 39.

Apparel, Women's. Sam Rosenberg & Co. 236,339; May 17.
Boots, shoes, slippers, and rubbers. Markoff Brothers. 246,695; May 17.
Clothing, Men's. B. Lifshitz. 245,215; May 17.
Collars, shirts, and underwear. Hall, Hartwell & Co. Inc. 245,636; May 17.
Collars, underwear, and shirts. Hall, Hartwell & Co. Inc. 245,552–3; May 17.
Dresses, Ladies'. Betsy Ross Dress Co. 242,944; May 17.
Dresses, Ladies'. Tabin-Picker and Company. 246,132; May 17.
Dresses, Ladies'. Uchin & Bell. 245,037; May 17.
Gloves, Cloth. Grewen Fabric Company. 246,547; May 17.
Hats and caps. C. T. Hall & Co. 245,550; May 17.
Hats, Ladies'. Staadecker & Company. 245,412–13; May 17.
Hosiery. Baker-Moise Company. 243,128; May 17.
Hosiery. Bear Brand Hosiery Co. 246,192; May 17.
Hosiery. W. E. A. Frerichs. 244,990; May 17.
Hosiery. Holeproof Hosiery Company. 245,212; May 17.
Hosiery. Wilson Brothers. 246,142; May 17.
Hosiery and dress shirts. Whiteford Corporation. 246,374; May 17.
Hosiery, Ladies' full-fashioned. Berkshire Knitting Mills. 246,147; May 17.
Overalls, pants, and work shirts. W. H. Keeziah. 246,416; May 17.
Shirts, overalls, blouses, trousers, etc. Schwartz & Zuckerman. 245,753; May 17.
Shirts, pyjamas, and blouse jackets. S. Liebovitz & Sons, Inc. 243,712; May 17.
Shoes. S. Liberman. 243,004; May 17.
Shoes and boots. Cerf & Bielschowsky. 243,997; May 17.
Shoes, Bathing. I. B. Kleinert Rubber Company. 246,291; May 17.
Suits and overcoats. Epstein Frank & Lochner Inc. 246,020; May 17.
Suits and overcoats. Henry Sonneborn Company. 227,793; May 17.
Suits and overcoats, Men's. Lion Dry Gooda Company. 246,034; May 17.
Suits, Bathing. G. L. Hall. 244,301; May 17.
Suits, blouses, and pants; aprons, bonnets, dresses, etc., Boys'. Juvenile Mfg. Co. 246,910; May 17.
Suspenders. Hewes & Potter. 245,984; May 17.
Sweaters and jackets, Knitted. Green-Haas-Schwartz Company. 245,484; May 17.
Sweaters, coats, dresses, etc., Knitted. Claire Knitting Mills, Inc. 243,999; May 17.
Sweaters, scarfs, and knitted ties. Star Knitting Mills, Inc. 244,334; May 17.
Sweaters, sweater coats, sport coats, jackets, etc., Knitted. Highland Shaker Sweater Co. 245,396; May 17.
Underwear for men and children, Textile fabric. McLoughlin, Manufacturing Company. 242,780; May 17.

CLASS 42.

Cotton piece goods, silk piece goods, etc. Palais Royal, Inc. 244,100; May 17.
Covers, Card-table. York Manufacturing Co. 240,119; May 17.
Goods, Piece. Amazon Knitting Company. 245,336; May 17.
Napkins of cotton, linen, and cotton and linen. Manville Jenckes Company. 246,102; May 17.
Rugs and floor coverings, Textile. T. Develon, jr. 246,395; May 17.
Silk, cotton, and wool piece goods. Haas Brothers Fabrics Corporation. 246,897; May 17.
Silk goods in the piece. C. K. Eagle & Co. 245,832; May 17.
Ticking. American Importing Company. 239,840; May 17.
Woolen goods. S. Stein & Co. 246,719; May 17.

CLASS 44.

Atomizers for perfume and the like. Marcel Franck, Inc. 245,978; May 17.
Cotton, gauze, etc., Absorbent. U. S. Aseptic Supply Service, Inc. 237,426; May 17.
Sanitary napkins. Paper Novelty Company. 247,037; May 17.

CLASS 45.

Beverage sold as a soft drink. Kooler Co. 240,080; May 17.
Beverages sold as soft drinks. J. G. Epping. 246,202; May 17.
Beverages sold as soft drinks. Hoffman Beverage Co. 243,155; May 17.

CLASS 46.

Alimentary paste products. Tharinger Macaroni Company. 239,491–3; May 17.
Alimentary paste products. Tharinger Macaroni Company. 239,495; May 17.
Alimentary pastes. Neighbor Products Co. 246,973; May 17.
Beef, Corned. Chamberlain and Company, Incorporated. 213,427; May 17.
Beverages. Mayfair Products, Inc. 240,559; May 17.
Cakes and cookies. Grennan Bakeries, Inc. 245,712; May 17.
Candy. Bunte Brothers. 246,386; May 17.
Candy. Bunte Brothers. 246,814; May 17.
Candy. Fannie May Candy Co. Inc. 247,008; May 17.
Candy. E. A. Hoffman Candy Co. Inc. 243,212; May 17.
Candy. Henry Maillard, Inc. 247,370; May 17.

Candy, biscuits, chocolate, cocoa, etc. Ray Chevallier-Appert. 243,840; May 17.
Canned and bottled vegetables, etc. J. M. Paver Company. 245,654; May 17.
Canned clams. Pacific Sea Foods Co. 247,036; May 17.
Canned crushed fruits in sirup. R. Frank. 211,841; May 17.
Canned fruits and vegetables. Sprague, Warner & Co. 246,444; May 17.
Canned fruits and vegetables. Wilson Canning Company. 230,703; May 17.
Canned salmon. Shepard Point Packing Co. 246,441; May 17.
Canned sardines. Bivar & Ca. 246,385; May 17.
Canned tomatoes, peas, beans, dried codfish, bottled vinegar, etc. A. Merlino & Sons. 209,307; May 17.
Canned vegetables and fruits, dried vegetables, jellies, pickles, etc. Illinois Canning Co. 244,826; May 17.
Cheese. Emmental Cheese Corporation. 245,962; May 17.
Chili powder. Chili Products Corporation. 245,252; May 17.
Chili powder. Chili Products Corporation. 245,254; May 17.
Chocolate-flavored egg malted milk. Thompson's Malted Food Company. 246,513; May 17.
Cocoa, chocolate, cakes, etc. Cadbury Brothers, Limited. 246,387; May 17.
Cocoa, chocolate, nougat, nuts of every kind, and preparations of these, etc. Sarotti Aktiengesellschaft. 242,625; May 17.
Coffee. In-A-Door Coffee Company of Missouri. 247,131; May 17.
Cream. L. S. Raskas. 245,656; May 17.
Eggs. Independence Produce Company. 246,957; May 17.
Flour, Wheat. Kansas Milling Company. 243,318; May 17.
Flour, Wheat. Samuel Knighton & Sons, Inc. 246,294; May 17.
Food, Mineral health. National Mineral Health Food Co. 229,872; May 17.
Foods, Dietetic. Chemische Fabrik "Promonta" Gesellschaft mit beschränkter Haftung. 229,147; May 17.
Fruits and vegetables, marmalades, and jams, Conserved. Conservenfabrik Lensburg vorm. Henckell & Roth. 226,098; May 17.
Fruits, Fresh citrous and deciduous. Charters-Davis Company. 241,982; May 17.
Milk, cocoa, canned meats, condiments, etc., Evaporated. Plee-Zing Corporation. 215,476; May 17.
Olives, fruits, vegetables, etc. E. G. Phoenix. 246,222; May 17.
Oranges, Fresh. Redlands Orange Growers' Association. 241,439; May 17.
Pears and grapes, Fresh. E. Bonzi. 241,388; May 17.
Pickles, prepared mustard, and chow-chow. Budlong Pickle Co. 245,248; May 17.
Pickles, prepared mustard, catchup, chili sauce, etc. Budlong Pickle Co. 245,249; May 17.
Salad dressing. Charles F. Mattiage & Sons, Inc. 239,536; May 17.
Sausage. Louis Bark, Inc. 245,420; May 17.
Sirups, Cane sugar. Godchaux Sugars Inc. 245,549; May 17.
Spices, etc. Thomas J. Webb Co. 235,790; May 17.
Watermelons. Leonard, Crosset & Riley. 230,247; May 17.
Wheat products. North Dakota Mill and Elevator Association. 220,911–12; May 17.

CLASS 48.

Malt sirup. Ben-Burk, Inc. 246,734; May 17.
Malt sirup. M. C. Merker. 245,447; May 17.

CLASS 49.

Brandy and liqueurs. Successori Nicolini & Venezia. 243,791; May 17.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aab, Ernest F. (See Berg, W. H., Whitman, and Aab.)
Abrahams, David I., Muncie, Ind. Hi-Li Basket. Des. 72,656; May 17.
Adams, John B., Berhampore, Wellington, New Zealand. Buoyant wearing apparel for swimming or life-saving purposes. 1,629,429; May 17.
Adamson, Arthur R., Los Angeles, Calif. Shredding machine. 1,629,138; May 17.
Addressograph Company. (See Hubbard, Henry E., assignor.)
Adler, Hazel H., New York, N. Y. Color-harmony device. 1,629,330; May 17.
Aldrich, Alonzo, assignor to Beloit Iron Works, Beloit, Wis. Shaker mounting for Fourdrinier machines. 1,629,087; May 17.
Aldrich, Alonzo, assignor to Beloit Iron Works, Beloit, Wis. Mixer for Fourdrinier flow boxes. 1,629,088; May 17.
Alfred, Theodore C., Lancaster, Ohio. Rotary cutting head. 1,628,870; May 17.
Allen, Alexander, Providence, R. I. Support. 1,629,430; May 17.
Allen, Charles R. (See Lewis, F. K., and Allen.)
Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,629,139; May 17.
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 72,657; May 17.
Allen, William A., New York, N. Y. Attachment means for controlling apparatus. 1,628,761; May 17.
Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
Allison, Harvey, New York, N. Y. Weighing device. 1,628,762; May 17.
Amalgamated Roofing Company. (See Milligan, Seaton K., assignor.)
American Brake Shoe & Foundry Company, The. (See Pogue, Robert B., assignor.)
American Can Company. (See Gray, James A., assignor.)
American Can Company. (See Taylor William E., assignor.)
American Encaustic Tiling Company. (See Prouty, Theodore C. and W. O., assignors.)
American Gas Machine Company. (See Hanson, Hans C., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Hardware Corporation, The. (See Rinple, Percy H., assignor.)
American Meter Company. (See Gaugh, Wilford A., assignor.)
American Scrubbing Equipment Company. (See Finnell, Walter S., assignor.)
American Smelting and Refining Company. (See Cregan, John F., assignor.)
American Steel Products Co. (See Wells, Edward L., assignor.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
Anaconda Copper Mining Company. (See Larison, E. L., Frick, and Caro, assignors.)
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Button loop. 1,628,638; May 17.
Andrews, Aden W., Lincoln, Nebr. Fencepost and bracing means therefor. 1,628,645; May 17.
Angerer, Victor, Ridley Park, assignor to William Wharton jr. & Company, Incorporated, Easton, Pa. Track structure. 1,629,872; May 17.
Aquila, Anthony, Iselin, N. J. Card holder. 1,629,331; May 17.
Archibald, William M., Jacksonville, Fla. Door-closing handle. 1,629,195; May 17.
Arms, Edward W., assignor to W. & L. E. Gurley, Troy, N. Y. Microscope attachment for surveying instruments. 1,629,378; May 17.
Armstrong Cork Company. (See Busch, Herman F., assignor.)
Armstrong, Edward R., Holland, Mich. Sled attachment for automobiles. 1,629,061; May 17.
Aronson, Louis V., Newark, N. J. Casing for cigarette lighters. Des. 72,658; May 17.
Arnold, Samuel, 3d, Ben Avon, Pa. Operating electric furnaces. 1,629,196; May 17.
Aronson, Gustaf A., Stockholm, Sweden. Section for stoves or the like. 1,629,245; May 17.
Arrington, John, Seattle, Wash. Clamp. 1,629,246; May 17.
Artau, Miguel R., Santurce, P. R. Head covering. 1,629,062; May 17.
Artistic Bronze Company, The. (See Swem, Daniel D., assignor.)
Ashtabula Bow Socket Company, The. (See Lewis, F. K., and Allen, assignors.)
Ateliers de Constructions Electriques de Charlerol Societe Anonyme. (See Thomas, Arthur, assignor.)
Auberlin, William, Northfield, Ohio. Airship anchorage. 1,629,197; May 17.
Automatic Merchandiser, Inc., The. (See Lea, Charles, assignor.)
Avakian, Bagdasar, Arlington, R. I. Mechanical pencil. 1,628,689; May 17.
Avorio, Luigi, Rome, Italy. Balloon capable of being employed as a captive observation balloon and as a dirigible. 1,629,374; May 17.
Axelson, Delbert F., Los Angeles, Calif., assignor to Axelson Machine Company, Los Angeles, Calif. Spare-tire lock. 1,629,015; May 17.
Axelson Machine Co. (See Axelson, Delbert F., assignor.)
Axtell, Clinton J., Schenectady, N. Y., assignor to General Electric Company. Protective device for electric circuits. 1,629,332; May 17.
Babcock Printing Press Manufacturing Company, The. (See English, F. S., and Perry, assignors.)
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Bach, Oscar B., New York, N. Y. Table. Des. 72,659; May 17.
Bach, Oscar B., New York, N. Y. Table. Des. 72,660; May 17.
Bach, Oscar B., New York, N. Y. Table. Des. 72,661; May 17.
Bach, Oscar B., New York, N. Y. Table. Des. 72,662; May 17.
Bailey, Elmer C. L. (See Ruff, E., and Bailey.)
Bailey, James G., Delevan, assignor to Universal Broadcaster Mfg. Co., East Peoria, Ill. Seed or fertilizer distributing machine. 1,629,247; May 17.
Bailey, James G., Delevan, assignor to Universal Broadcaster Mfg. Co., East Peoria, Ill. Broadcast distributing machine. 1,629,248; May 17.
Bailey, James G., Delevan, assignor to Universal Broadcaster Mfg. Co., East Peoria, Ill. Broadcast distributing machine. 1,629,249; May 17.
Baird, George W. (See Enkler, F. S., and Baird.)
Baker, Max L. (See Danks, R. L., and Baker.)
Baldwin, Carter, Wilmington, Del. Picture. 1,628,640; May 17.
Baldwin Locomotive Works. (See Vauclain, Samuel M., assignor.)
Barnes, Lionel F., Windsor, Canada. Traffic signal. 1,628,706; May 17.
Bate, John W., Racine, Wis. Double-lift jack. 1,629,140; May 17.
Batcholts, Clinton, Hoosick Falls, N. Y. Portable cabinet. Des. 72,663; May 17.
Bayer, Matthew F., assignor to Simmons Company, Kenosha, Wis. Wall bed. 1,628,763; May 17.
Beatty, William G., Fergus, Ontario, Canada, assignor to Haag Brothers Company, a copartnership composed of George A. Haag and Albert R. Haag, East Peoria, Ill. Wringer. Re16,627; May 17.
Beaumont, William M., Summit, N. J., and F. A. Bonomi, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,629,016; May 17.
Becker, Arman E., Elizabeth, N. J., assignor to Standard Development Company. Lubricant and making the same. 1,628,646; May 17.
Becker, Arman E., Elizabeth, N. J., assignor to Standard Development Company. Lubricating internal-combustion engines. 1,628,647; May 17.
Beckmann, Johannes, Altona-Ottensen, Germany. Explosionproof fitting for electric glowlamps. 1,629,089; May 17.
Beech, Alexander C., Chicago, assignor to Kroehler Mfg. Co., Naperville, Ill. Adjustable armchair. 1,628,764; May 17.
Behr, Herman & Co. (See Crupi, Frank J., assignor.)

Belber Trunk & Bag Company. (See Langmuir, Frank H., assignor.)
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Beloit Iron Works. (See Aldrich, Alonzo, assignor.)
Bendix Brake Company. (See Clark, Otto B., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See Price, Jacob L., assignor.)
Bendix Brake Company. (See Whitworth, Stanley, assignor.)
Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Light projector. 1,629,333; May 17.
Bennett, Benjamin W., San Francisco, Calif. Hose fastener. 1,729,431; May 17.
Bennett, Cadwell E., De Soto, Kans. Automatic feeder. 1,629,334; May 17.
Bensa, Felice. (See Zinke, A., and Klinger, assignors.)
Bensing, Le Rue P., et al. (See Keeler, Lewis J., assignor.)
Benson, Harry F., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Hydraulic pump. 1,629,141; May 17.
Berg, William H., South Orange, N. J., R. C. Whitman, Chatham, N. J., and E. F. Aab, Astoria, N. Y., assignors to Health Products Corporation, Newark, N. J. Chewing gum. 1,629,461; May 17.
Bergen, Harold E., San Pedro, Calif. Fish-cutting machine. 1,628,765; May 17.
Berger, Samuel L., Newark, N. J. Target toy. Des. 72,664; May 17.
Berry, Charles H., Detroit, Mich. Terminal-difference gauge. 1,629,063; May 17.
Bethenod, Joseph, Paris, France. Radiotelegraphic station. 1,628,648; May 17.
Bevan, Clarence L., and J. R. Cullen, Platteville, Wis. Universal traffic motor control. 1,628,707; May 17.
Bibard, René A., Bellevue, France. Flying apparatus. 1,629,198; May 17.
Bilderback, Charles. (See Jackson, Clarence W., assignor.)
Biltgen, George. (See Jensen, A. C., Moloney, and Biltgen.)
Bishop & Babcock Company, The. (See Patton, Hal T., assignor.)
Bittinger, Charles, Duxbury, Mass. Production and utilization of dichroic inks. 1,629,250; May 17.
Bittner, Andrew F., New York, N. Y. Pipe. 1,628,649; May 17.
Bitzel, Andrew, assignor to The Thermo Instrument Company, Akron, Ohio. Temperature, pressure, or flow regulating device. 1,629,064; May 17.
Blair, Robert S. (See Nickell, T. P., and Rodefeld, assignors.)
Blake, Harold S., Attleboro, Mass. Gas control for oil burners. 1,629,251; May 17.
Blakely, William W. (See Goodspeed, Charles A., assignor.)
Bolton, Edith M., Gerrards Cross, England. Frying pan and saucepan and such like vessel. 1,628,641; May 17.
Bonaccorse, Gluseppe, Lawrence, Mass. Antiskid device. 1,629,432; May 17.
Bonell, Lawrence, Chicago, Ill. Dice box. 1,629,142; May 17.
Bonner, William T., and J. W. Thropp, Trenton, N. J. Paving block and tiles. 1,629,433; May 17.
Bonomi, Felix A. (See Beaumont, W. M., and Bonomi.)
Borg & Beck Company, The. (See Gamble, David E., assignor.)
Boskey, Meyer, et al. (See Pfister, John R., assignor.)
Bosslet, Albert, Munich, Germany. Box of bricks for building rooms inclosed by walls. 1,629,199; May 17.
Boston, John, Newark, N. J., assignor, by mesne assignments, to T. Harden Carter. Automatic stop mechanism for sewing machines. 1,629,090; May 17.
Bouza, Vicente, Highland Park, Mich. Synchronizing mechanism for talking and motion-picture machines. 1,629,252; May 17.
Bowman, Chatham E., assignor to Samstag & Hilder Bros., Inc., New York, N. Y. Child's apron. Des. 72,665; May 17.
Bowman, William J., Smith Center, Kans. Inner tube. 1,628,642; May 17.
Boyd, David M. (See Russell, P. S., and Boyd.)
Brach, Leon S., East Orange, assignor to L. S. Brach Mfg. Co., Newark, N. J. Attachment for hydrometer units. 1,629,434; May 17.
Brach, L. S. Mfg. Co. (See Brach, Leon S., assignor.)
Braden, Albert R. (See Heys, J. J., and Braden.)
Bradshaw, Granville, London, England. Bowling-game apparatus. 1,629,065; May 17.
Brady, John F., and R. B. Ott, Ritzville, Wash. Balloon-tire patch. 1,629,335; May 17.
Brannon, Nem W., Greer, S. C., assignor to Draper Corporation, Hopedale, Mass. Loom-picker check. 1,629,446; May 17.
Braren, Lorenz K., assignor to the firm Friedrich Deckel, Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. Lubrication for screw making and turning lathes. 1,629,451; May 17.
Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Removing soot. 1,628,643; May 17.
Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Automatic draft regulator. 1,628,644; May 17.
Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Controlling the combustion of hydrocarbons. 1,629,253; May 17.
Brenner, Ernest, et al. (See Pfister, John R., assignor.)
Brice, Henry E., New York, N. Y. Coupling. 1,629,375; May 17.
Briggs, Orum T., Indiana, Pa. Package card. 1,629,435; May 17.
Brogden, Ernest M., Santa Monica, Calif., assignor to Brogdex Company, Winter Haven, Fla. Composition for treating fruit and the like. 1,628,945; May 17.
Brogdex Company. (See Brogden, Ernest M., assignor.)
Brooks, Roscoe A., Chicago, Ill., assignor to E. G. Mumford and H. B. Kruse. Automatically-controlled, electrically-heated vulcanizing apparatus. 1,628,766; May 17.
Brown & Sharpe Mfg. Co. (See Parker, John W., assignor.)
Brown, Georges H., Paris, France. Time indicating device. 1,628,946; May 17.
Brown, Harold, Kansas City, and G. R. Uhl, Tongonoxie, Kans. Air valve. 1,628,819; May 17.
Brown, Thomas R., assignor to Burrows Magnetic Equipment Corporation, Jersey City, N. J. Machine for testing car wheels and the like. 1,628,767; May 17.
Brown, William S. (See Platt, C. B., and Brown.)
Bruce, William E., Randado, Tex. Fertilizer or straw spreader. 1,628,871; May 17.
Brunhoff Manufacturing Company, The. (See Karst, Clarence E., assignor.)
Bruns, William G., Sioux Falls, S. Dak. Brooder. 1,629,066; May 17.
Brush, George S., Zanesville, Ohio. Clock casing. Des. 72,666; May 17.
Buchanan, James L., Waco, Tex. Spreader tool. 1,628,650; May 17.
Buck, Howard T., Cedar Knolls, N. J. Attaching means for multigraph signature plates. 1,629,376; May 17.
Buckner, William T., assignor of one-half to A. F. Guthrie, Shelbyville, Ky. Abdominal supporter. 1,629,067; May 17.
Buckwalter, Jacob S., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Feed regulator for grinding mills. 1,629,377; May 17.
Budd, Edward G., Manufacturing Company. (See Trout, Walter M., assignor.)
Budd Wheel Company. (See Ludwick, Herbert V., assignor.)
Buehler, Leon, jr., and N. M. Small, assignors to Frick Company, Waynesboro, Pa. Combined thawing tank and dumping apparatus. 1,628,947; May 17.
Bugenhagen, George H., Minot, N. D. Combined tile and concrete floor construction. 1,628,708; May 17.
Buhtz, Ernst, Berlin, Germany. Method of and apparatus for carrying out chemical reactions or physical processes. 1,629,200; May 17.
Bulman, William V., Philadelphia, Pa. Combined floor drain and back pressure water trap. 1,629,457; May 17.
Bungart, Paul J., Oceanside, N. Y. Drafting compass. 1,629,143; May 17.
Burdick, Charles L., London, England. Spraying apparatus. 1,629,144; May 17.
Burr, Henry O. (See Young, H. C., and Burr.)
Burress, John R., Arlington, Tex. Yieldable barrier for automatic railway-crossing gates. 1,628,651; May 17.
Burroughs, John J., Houston, Tex. Weather strip. 1,629,017; May 17.
Burrows Magnetic Equipment Corporation. (See Brown, Thomas R., assignor.)
Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Treatment of cork textile rolls. 1,629,145; May 17.
Busch-Sulzer Bros.-Diesel Engine Company. (See Schenker, Walter, assignor.)
Busha, Leon, assignor to W. E. Nelson, Minneapolis, Minn. Strip shingle. 1,629,146; May 17.
Bushnell, Charles R., Beverly Hills, Calif. Refrigerating apparatus. 1,628,820; May 17.
Byron Jackson Pump Mfg. Co. (See Hollander, Aladar, assignor.)
California Packing Corporation. (See Sullivan, Albert V., assignor.)
Callahan, John J., and F. C. Rogers, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making hollow annular articles. 1,628,821; May 17.
Campion, Michael F. (See Weaver, F. L., and Campion.)
Cantono, Eugenio, Rome, Italy. Shock-preventing device for vehicles. 1,629,378; May 17.
Capri, Peter, New York, N. Y. Swab or dauber. 1,629,436; May 17.
Carbone, Tito L., deceased, Berlin, by E. Mommsen, executor, Charlottenburg, Germany. Flame arc lamp with inclosed arc. 1,629,254; May 17.
Carborundum Company, The. (See Tone, Frank J., assignor.)

Cardarelle, Joseph E. (See Turner, Francis M., assignor.)
Carlson, Charles A., Ridley Park, Pa. Piston construction. 1,628,652; May 17.
Carnahan-Byrne Machinery Company. (See Kramer, John G., assignor.)
Caro, Raymond J. (See Larison, E. L., Frick, and Caro.)
Carroll, John S., Yonkers, assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Insulation construction for containers. 1,629,255; May 17.
Carter, Louis, Marston, N. C. Harvester. 1,628,948; May 17.
Carter, T. Harden. (See Boston, John, assignor.)
Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)
Case, Theodore W., Scipio, assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Photo-electric device. 1,628,822; May 17.
Casper, Anthony B. (See Shultz, A. B., and Casper.)
Casselman, Elbridge J. (See Jackson, R. P., Kent, and Casselman.)
Cathrine, Mary, Galesburg, Ill. Invalid support. 1,628,949; May 17.
Chase National Bank of the City of New York, Trustee, The. (See Hawthorne, Charles W., assignor.)
Chatfield, Franklin, assignor to The Munsingwear Corporation, Minneapolis, Minn. Bloomers and making the same. 1,629,147; May 17.
Chauncey, George S., South Orange, N. J. Induction-coil core. 1,629,148; May 17.
Chauvean, Louis L. E., Paris, France. Call selector. 1,628,653; May 17.
Chester, Thomas, Detroit, Mich., and W. MacMichael, Wadsworth, Ohio. Self-flushing atomizing nozzle. 1,628,823; May 17.
Chevrette, Augustin J., assignor to The Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,628,824; May 17.
Chicago Pneumatic Tool Company. (See Penberthy, Ernest, assignor.)
Christeler, Marie, Utica, N. Y. Window-cleaning device. 1,629,201; May 17.
Cincinnati Planer Company, The. (See Linden, C. E., and Lange, assignors.)
Cisek, Frank J. (See Novak, F. J., and Cisek.)
Cissell, William M., Louisville, Ky. Inlet valve for boilers. 1,628,654; May 17.
Citrin, Morris, Brooklyn, N. Y. Ash sifter. 1,629,149; May 17.
Clark, Otto B., Evansville, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,628,950; May 17.
Clark, Otto B., Evansville, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,628,951; May 17.
Clayton, William G., St. Kilda, near Melbourne, Victoria, Australia. Spark plug. 1,628,825; May 17.
Clements, Wellington I., Norfolk, Va. Combined ash and dust pan. 1,629,336; May 17.
Cleveland Folding Machine Company, The. (See Tufts, Lesley R., assignor.)
Closson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,629,091; May 17.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Strainer. 1,629,018; May 17.
Cofield Washer Company of Canada Limited. (See Kemp, C. T., and Ryckman, assignors.)
Cohen, Florence, Liverpool, England. Playing cards. 1,629,256; May 17.
Cohn, Irwin, assignor to Irwin & Company, Inc., New York, N. Y. Celluloid toy water pistol. 1,629,019; May 17.
Cole, Marjorie, Quincy, Mass. Textile fabric or similar article. Des. 72,667; May 17.
Coleman, William J. (See Mosen, C., and Coleman.)
Colomb, Henri, Tavannes, Switzerland. Manufacturing blank movements of watches. 1,629,257; May 17.
Colt, Thomas C., Orange, N. J. Knockdown or foldable building. 1,629,150; May 17.
Columbia Phonograph Company. (See Webster, Benjamin C., assignor.)
Colvin, Walter J., and L. Kirschbraun, Omaha, Nebr. Seal for car doors. 1,628,655; May 17.
Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
Commercial Shearing & Stamping Company, The. (See Cushwa, Charles B., assignor.)
Commonwealth Steel Company. (See Sheehan, William M., assignor.)
Conklin, Bruce, London, England. Pump, compressor, or the like. 1,629,202; May 17.
Conrad, Hollis C., Beaver Falls, Pa. Amusement house. 1,629,258; May 17.
Consortium Fuer Elektrochemische Industrie. (See Herrmann, W. O., and Haehnel, assignors.)
Continental Can Company. (See Sedwick Matthew M., asignor.)
Cook, John W., Manchester, England. Apparatus for use in treating cotton and other fibrous materials. 1,629,068; May 17.
Cook, Norman, Manchester, England. Lappet and thread guide of spinning, twisting, and like machines. 1,629,069; May 17.
Coon, Jennie M., Battle Creek, Mich. Abdominal supporter. 1,629,203; May 17.
Cooper, Edward R. (See Larson, A. G., and Cooper.)
Cooper, Josephine W. (See Larson, A. G., and Cooper, assignors.)
Cote, Edward V. (See Cote, Theodore, and E. V.)
Cote, Theodore, and E. V. Cote, Tupper Lake, N. Y. Holding device for chairs. 1,629,204; May 17.
Covalence, Leon, Linden, N. J. Door bumper. 1,628,826; May 17.
Cowden, Robert E., receiver. (See Thies, Urban C., assignor.)
Cox, Herbert T., Los Angeles, Calif. Card rack. 1,629,070; May 17.
Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Condenser. 1,629,020; May 17.
Cregan, John F., Pueblo, Colo., assignor to American Smelting and Refining Company, New York, N. Y. Treatment of furnace gases to recover zinc oxide. 1,628,952; May 17.
Cregan, John F., Pueblo, Colo., assignor to American Smelting and Refining Company, New York, N. Y. Making zinc oxide. 1,628,953; May 17.
Crippen, Herbert O., Chicago, Ill. Spike retainer. 1,628,656; May 17.
Crockett, Frank L., North Uxbridge, assignor to Whitin Machine Works, Whitinsville, Mass. Waste-removal apparatus. 1,629,092; May 17.
Crompton & Knowles Loom Works, The. (See Chevrette, Augustin J., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crumley, Le Roy A., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 72,668; May 17.
Crupi, Frank J., assignor to H. Behr & Co., Inc., Brooklyn, N. Y. Waterproof abrasive fabric. 1,629,259; May 17.
Cullen, Jesse R. (See Bevan, C. L., and Cullen.)
Culver, Charles L., Olalla, Wash. Planetary gear drive for automobiles. 1,629,021; May 17.
Curti, Erensto, Milan, Italy. Apparatus for generating, controlling, and utilizing air currents. 1,629,437; May 17.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,629,093; May 17.
Cushman Motor Works. (See Tanner, P. A., and Irgens, assignor.)
Cushwa, Charles B., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Drying tile. 1,629,151; May 17.
Custer, James W., Westernport, Md. Flatiron handle. 1,629,260; May 17.
Custer, Levitt L., Dayton, Ohio. Aerial cable transportation means. 1,628,827; May 17.
Daly, Charles W., Davenport, Iowa. Hot-plate auto cooker. 1,629,094; May 17.
Daly, Joseph P., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,629,071; May 17.
Danielson, Ralph R., Chicago, Ill. Composition for and coating metal surfaces. 1,629,072; May 17.
Danks, Roy L., and M. L. Baker, assignors to The Regal Silver Mfg. Co., New Haven Conn. Spoon or similar article. Des. 72,669; May 17.
Danly, Robert C., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Tuning pin hook and making the same. 1,629,095; May 17.
Davis, Arthur L., Alton, Ill. Cosmetic. 1,629,096; May 17.
Davis, Cleo F. (See Davis, Herbert A. and C. F.)
Davis, Herbert A. and C. F., Torrance, Calif. Cementing head. 1,629,022; May 17.
Davis, James M., Newberry, S. C. Loom counter. 1,629,023; May 17.
Dawson, Carl E., Lakewood, assignor to The Ohio Body & Blower Company, Cleveland, Ohio. Windshield construction. 1,629,439; May 17.
Dawson, Oliver N., Rock Hill, S. C. Loom-beam lock. 1,628,709; May 17.
De Changy, Aimé, Epinay, France. Starting gear for fixed explosive motor engines and motor vehicles. 1,628,710. May 17.
Deckel, Friedrich, Fabrik für Präzisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
De Curtis, Frank, Medford, Mass. Permutation lock. 1,628,712; May 17.
Dedmon, Hanson H., Berkeley, Calif. Card-display receptacle for automobiles. 1,628,954; May 17.
De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Slot cleaner for motion-picture machines. 1,629,152; May 17.
De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)
Delaize, Paul C., New York, N. Y. Box or similar container. Des. 72,670; May 17.
De Lambert, Léonce, Lyon, France, assignor of one-half to P. Zucco, San Francisco, Calif. Producing a hydraulic aluminous binding material together with an iron alloy. 1,628,872; May 17.
De Lorenzi, Otto, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace. 1,629,447; May 17.

Denmead, John W., assignor of one-half to W. A. Johnston, Akron, Ohio. Pie-rolling machine. 1,628,828; May 17.

Dennis, Alfred A., Grand Rapids, Mich. Friction-drive mechanism. 1,629,452; May 17.

Dennis, Samuel K., assignor to International Harvester Company, Chicago, Ill. Implement hitch. 1,629,153; May 17.

Denver Rock Drill Manufacturing Company, The. (See Katterjohn, August H., assignor.)

Denver Rock Drill Mfg. Co., The. (See Naismith, William G., assignor.)

Detroit Lubricator Company. (See Duffield, George B., assignor.)

De Pries, John W., McCoy, Oreg. Oil filter. 1,628,955; May 17.

De Ybarrondo, Vincent C., Los Angeles, Calif. Apparatus for handling motion-picture films. 1,629,097; May 17.

De Ybarrondo, Vincent C., Los Angeles, Calif. Pneumatic pulley for motion-picture films. 1,629,154; May 17.

Dietle, Thomas S., Pawhuska, Okla. Well-drilling apparatus. 1,629,024; May 17.

Dill Manufacturing Company, The. (See Tobold, Ewald F., assignor.)

Dillon, Stephen V., Tulsa, Okla. Automatic catching device for well tubing. 1,629,261; May 17.

Dillon, Stephen V., Tulsa, Okla. Catching device for well tubing. 1,629,262; May 17.

Dillon, Stephen V., Tulsa, Okla. Catching device for well tubing. 1,629,263; May 17.

Distler, Hans, Feuerbach, near Stuttgart, assignor to the firm Spezial-Werkzeug-Fabrik Feuerbach-G. m. b. H., Feuerbach, Germany. Wrench with head hinged on the shaft and with reversible ratchet mechanism. 1,629,205; May 17.

Doak, Lester, McMinnville, Tenn. Fountain mop. 1,628,956; May 17.

Doan, Arthur, Berkeley, Calif. Third-railway electric-current-feeding system for electric railways. 1,629,025; May 17.

Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,628,957; May 17.

Dodkin, William J., Chicago, Ill. Coin-controlled lock. 1,628,711; May 17.

Dollmann, Hans, Berlin-Waidmannslust, Germany. Driving means for electrolocomotives. 1,629,206; May 17.

Dorner, Hermann I. A., Hannover, Germany. High-pressure pump for Diesel engines. 1,628,657; May 17.

Dostal, John R., assignor to Dostal & Lowey Hydro Company, Inc., Milwaukee, Wis. Bottle-washing machine. 1,629,155; May 17.

Dostal & Lowey Hydro Company. (See Dostal, John R., assignor.)

Drachenberg, August T., Freeport, Tex. Sulphur mining. 1,628,873; May 17.

Drake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Hook device. 1,629,438; May 17.

Draper Corporation. (See Brannon, Nem W., assignor.)

Drefahl, Louis C., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Distilling hydrochloric acid. 1,628,829; May 17.

Drewsen, Viggo, Brooklyn, N. Y., assignor to West Virginia Pulp & Paper Company, New York, N. Y. Making ligno tanning material from waste sulphite liquors. 1,629,448; May 17.

Drexler, Charles, assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,629,098; May 17.

Drummond, Thomas N., Hamilton, assignor of one-half to L. B. Maunsell, Edrige, Masterton, New Zealand. Ring inserter for milking-machine teat-cup inflations. 1,629,207; May 17.

Dubin, Harry E. (See Funk, C. and Dubin.)

Dudas, Michael M., Chicago, Ill. Door latch. 1,629,379; May 17.

Duffield, George B., assignor to Detroit Lubricator Company, Detroit, Mich. Valve-operating device. 1,629,449; May 17.

Dugaw, Eugene, Tacoma, Wash. Grain door. 1,628,958; May 17.

Dunlop Tire and Rubber Corporation. (See Young, H. C., and Burr, assignors.)

Durant Motors Incorporated. (See Sturt, Alfred T., assignor.)

Durant Motors Incorporated. (See Sturt, A. T., and Pfander, assignors.)

Durant, William C. (See Pfander, Walter F., assignor.)

Dustless Thresher Promotion Company, The. (See Noble, Newell J., assignor.)

Dye, Boyde H., Tipton, Calif. Coring device. 1,629,026; May 17.

Dyer, Frank L., Montclair, N. J. Talking-machine record. 1,628,658; May 17.

Eagle Lock Co. (See Murphy, James J., assignor.)

Eastburn, Samuel L., Sloatsburg, N. Y. Water-closet seat. 1,628,830; May 17.

Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)

Eastes, James A., Mount Comfort, Ind. Farm pulverizer. 1,628,874; May 17.

Ebert, Albert G. (See Ebert, William H., and Albert.)

Ebert, William H., and A. G. Ebert, Buffalo, N. Y. Bevel. 1,628,713; May 17.

Eckhart, Albert P., Shohola, Pa. Radiator. 1,629,440; May 17.

Eckert, Frank. (See Senftle, E. M., and Eckert.)

Economy Fuse & Manufacturing Company. (See Feldkamp, Frederick A., assignor.)

Eddle, Edward C., et al. (See Zimmer, Samuel B., assignor.)

Edmonds, Courtenay H. W., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Illuminated railway signal. 1,628,714; May 17.

Ehrgott, Karl, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heating unit. 1,628,875; May 17.

Ehrgott, Karl, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,628,876; May 17.

Einhorn, William M. (See Rabidoux, C. J., and Einhorn.)

Electric Railway Equipment Company, The. (See Tice, Francis A., assignor.)

Electrol, Inc. of Missouri. (See Russel, P. S., and Boyd, assignors.)

Elmstrom, Robert M., assignor to Standard Manufacturing Co., Malden, Mass. Repair piece for boots and shoes. 1,628,831; May 17.

English, Fred S., New London, Conn. Gripper-tensioning mechanism for presses. 1,628,768; May 17.

English, Fred S., and T. L. Perry, assignors to The Babcock Printing Press Manufacturing Company, New London, Conn. Cylinder-tripping device for multi-cylinder presses. 1,628,959; May 17.

English, Fred S., and T. L. Perry, assignors to The Babcock Printing Press Manufacturing Company, New London, Conn. Gripper-tensioning mechanism for presses. 1,628,960; May 17.

Enkler, Frederick S., and G. W. Baird, Poughkeepsie, N. Y. Bottle-cap remover. 1,628,715; May 17.

Entenman, Albert, Brooklyn, N. Y. Window construction. 1,629,264; May 17.

Enterprise Manufacturing Company of Pennsylvania, The. (See Buckwalter, Jacob S., assignor.)

Ernst, Daniel L., Los Angeles, Calif. Soil fitting. 1,629,208; May 17.

Ernst, William. (See Mross, E., and Ernst.)

Erwin, Orlando R., Forest Hills, assignor to Foamite-Childs Corporation, New York, N. Y. Apparatus for extinguishing fires. 1,629,027; May 17.

Evans, E. S., & Company. (See Michod, Charles L., assignor.)

Ewald, Arno A., Oakfield, Wis. Stabilizing device. 1,629,265; May 17.

Excel Shoe Form Company. (See Niles, Walter L. C., assignor.)

Eyer, George H., and E. S. Snyder, Nutley, N. J. Bather's cigarette and match case. 1,628,961; May 17.

Fairbanks, William, Los Angeles, Calif. Jumping rope. 1,629,209; May 17.

Fairfield Shipbuilding & Engineering Company. (See Traill, R., and Strachan, assignors.)

Falor, Abram E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fabric-covered strip material and making the same. 1,628,832; May 17.

Famous Players-Lasky Corporation. (See Garbutt, Frank E., assignor.)

Fanner Manufacturing Company, The. (See Schane, Edward H., assignor.)

Farmer, Robert Z., Portland, Oreg. Automatic variable speed transmission apparatus. 1,628,769; May 17.

Fayer, Charles. (See Wrappler, F. H., and Fayer.)

Featheredge Rubber Company. (See Hood, Harry M., assignor.)

Featheredge Rubber Company. (See Wedlock, Frank V., assignor.)

Federated Engineers Development Corporation. (See Hicok, DeLos N., assignor.)

Feldkamp, Frederick A., Newark, N. J., assignor, by mesne assignments, to Economy Fuse & Manufacturing Company. Fuse medium. 1,629,266; May 17.

Feroldi, Enrico, Turin, Italy. Carburetor. 1,629,210; May 17.

Finnell, Walter S., assignor to American Scrubbing Equipment Company, Hannibal, Mo. Floor-scrubbing machine. 1,268,770; May 17.

Firestone Tire and Rubber Company, The. (See Stevens, Horace D., assignor.)

Fischer, Albert C., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill. Outlet-box connection. 1,269,267; May 17.

Fischer, Joseph, Faith, S. D. Aerial propeller. 1,628,716; May 17.

Fleshner, Lawrence P., assignor of one-half to W. L. Hotsenpiller, Kansas City, Mo. Nursing-bottle holder. 1,629,156; May 17.

Fletcher, Estella M., Portland, Oreg. Lingerie clasp. 1,628,962; May 17.

Fletcher, Wilford, Billerica, Mass. Pump governor. 1,629,073; May 17.

Flowers, Henry F., Findlay, Ohio. Dump car. 1,628,963; May 17.

Flowers, John B., Brooklawn, N. J. Rubber ball. 1,628,717; May 17.

Foamite-Childs Corporation. (See Erwin, Orlando R., assignor.)

Fothergill, Harry, and H. Hillier, Westminster, London, England. Steam-condensing and boiler water-supply apparatus of steam-power plants. 1,629,028; May 17.

Fowler, Clarence B., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,629,099; May 17.

Fox, Harold K., Fresno, Calif. Drill-heating furnace. 1,628,964; May 17.

Fox, Julius A., assignor to H. Mendes & Company, New York, N. Y. Textile fabric. Des. 72,671; May 17.

Frank, Milton A., San Francisco, Calif. Bearing-pin lubricator and obstruction ejector. 1,628,833; May 17.

Frank, Milton A., San Francisco, Calif. High-pressure vacuum grease gun. 1,628,834; May 17.

Franklin, Charles S., London, England, assignor to Radio Corporation of America. Electrical condenser. 1,628,639; May 17.

Franklin Simon & Co. (See Siegel, Maude, assignor.)

Freyn Engineering Company. (See Willcox, Frederick H., assignor.)

Frick Company. (See Buchler, L., and Small, assignors.)

Frick, Frederick F. (See Laist, F., and Frick.)

Frick, Frederick F. (See Larison, E. L., Frick, and Caro.)

Fried. Krupp Grusonwerk Aktiengesellschaft. (See Wieghardt, Paul, assignor.)

Frisk, Frederick, San Francisco, Calif. Golf-bag carrier. 1,628,771; May 17.

Fritzsche, Carl E., Fort Fairfield, Me. Ice-cream-cone wrapper and carrier. 1,628,718; May 17.

Funk, Casimir, and H. E. Dubin, assignors, by mesne assignments, to H. A. Metz Laoratories, Inc., New York, N. Y. Obtaining from cod-liver oil a highly concentrated substance rich in antirachitic and antixerophilic vitamines and the product thereof. 1,629,074; May 17.

Furbush, Frank L., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Press roll for wool washers and the like. 1,628,835; May 17.)

Gamble, David E., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,628,877; May 17.

Gammeter, John R., Akron, Ohio, assignor to B. F. Goodrich Company, New York, N. Y. Apparatus for forming and cutting plastic material. 1,628,836; May 17.

Gangloff, Georges, Geneva, Switzerland. Coach work column of vehicles. 1,629,157; May 17.

Garbutt, Frank E., Los Angeles, Calif., assignor to Famous Players-Lasky Corporation, New York, N. Y. Film-take-up device with brake. 1,629,029; May 17.

Garbutt, Frank E., Los Angeles, Calif. Automatic film-tensioning mechanism having individual spools. 1,629,030; May 17.

Gardner, Frederic E., Beloit, Wis. Work carrier. 1,628,878; May 17.

Garretson, Harry D., assignor to H. F. Waite, New York, N. Y. X-ray system. 1,629,388; May 17.

Garrett, Henry, Dallas, Tex. Radio fire-alarm system. 1,629,337; May 17.

Garzoni, Peter, et al. (See Thomas, George M., assignor.)

Gaugh, Wilford A., Erie, assignor to American Meter Company, Philadelphia, Pa. Gas-meter mechanism. 1,629,031; May 17.

Geary, Robert O., Rockdale, Australia. Lever top can. 1,629,441; May 17.

Gebers, Friedrich, Vienna, Austria. Propelling mechanism for ships. 1,628,837; May 17.

Gelsinger, Joseph R., Grand Island, Nebr. Flying duck decoy. 1,629,442; May 17.

Gem Hammock & Fly Net Company. (See Kootz, Arthur C., assignor.)

Gemeinhardt, Walter F., New York, assignor to The Woodwind Company, New York, N. Y. Saxophone. 1,628,719; May 17.

General Chemical Company. (See Merriam, Henry E., assignor.)

General Electric Company. (See Axtell, Clinton J., assignor.)

General Electric Company. (See Benford, Frank A., assignor.)

General Electric Company. (See Koref, Fritz, assignor.)

General Electric Company. (See Newton, Edward G., assignor.)

General Electric Company. (See Palueff, Konstantin K., assignor.)

General Electric Company. (See Price, Edgar, assignor.)

General Electric Company. (See Ruder, William E., assignor.)

General Electric Company. (See Rüttenauer, Alfred, assignor.)

General Electric Company. (See Standerwick, Reginald G., assignor.)

Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesche. (See Meissner, Alexander, assignor.)

Geyer, Harvey D., assignor, by mesne assignments, to The Inland Manufacturing Company, Dayton, Ohio. Handwheel. 1,629,075; May 17.

Giambra, Gandolfo, Paterson, N. J. Coin controlled mechanism. 1,629,211; May 17.

Gibson, Charles M., Rochester, N. Y. Window sash construction. 1,629,076; May 17.

Giese, Henry, assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Ventilator. 1,628,965; May 17.

Giffen, Ernest K., Salida, Colo. Process and apparatus for recovering silver from photographer's spent hypo-sulphite solution. 1,629,212; May 17.

Gilbert, Henry J., Saginaw, Mich. Washboard. 1,628,772; May 17.

Gilbert, Henry J., Saginaw, Mich. Folding table. 1,628,773; May 17.

Gillaspy, Lemuel G. (See Hungate, Fred, assignor.)

Gilligan, Frank H., Worcester, Mass. Bridge-warning device. 1,628,720; May 17.

Gillman, John J., Muskegon, assignor to Solar-Polar Storm Sash and Screen Co., Muskegon Heights, Mich. Window construction. 1,628,879; May 17.

Glasel, Charles J., New York, N. Y. Tanning apparatus. 1,628,966; May 17.

Gleason, Frederick H., New York, N. Y. Automobile chassis-lubricating device. 1,629,453; May 17.

Gleason Works. (See Trbojevich, Nikola, assignor.)

Gledhill, Edward C., Galion, Ohio. Grader. Re16,624; May 17.

Globe Lighting Fixture Mfg. Co. (See Rosenblatt, Isidor, assignor.)

Gmelin, Eugene C. (See Muehlenbeck, Fred P., assignor.)

Goldman, Max and R. Karaban, Brooklyn, N. Y. Signaling device. 1,629,380; May 17.

Goode, Gilbert C., East Cleveland, assignor to The White Motor Company, Cleveland, Ohio. Brake-actuating device. 1,628,967; May 17.

Gooder, Seth M. (See Noe, F. P., and Gooder.)

Goodrich, B. F., Company, The. (See Callahan, J. J., and Rogers, assignors.)

Goodrich, B. F., Company, The. (See Falor, Abram E., assignor.)

Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)

Goodrich, B. F., Company, The. (See Matthias, G. L., and Kmentt, assignors.)

Goodrich, B. F., Company, The. (See Shook, Florain J., assignor.)

Goodrich, B. F., Company, The. (See Wilson, G. F., and Legullion, assignors.)

Goodridge, George E., Reading, assignor to R. C. Heath, Brookline, Mass. Liquid-fuel-burning apparatus. 1,629,032; May 17.

Goodspeed, Charles A., Detroit, assignor to W. W. Blakely, Dexter, Mich. Vehicle anchorage device. 1,628,660; May 17.

Grabonia, Joe, et al. (See Thomas, George M., assignor.)

Grasselli Chemical Company, The. (See Drefahl, Louis C., assignor.)

Gray, James A., assignor to American Can Company, San Francisco, Calif. Fish eviscerator. 1,628,968; May 17.

Greenbaum, Leo, Far Rockaway, and E. Van Hoofstadt, Oceanside, N. Y., assignor to Lion Match Company, Inc. Match book. 1,628,661; May 17.

Greenberg, Harry, Brooklyn, N. Y. Die press. 1,629,268; May 17.

Greif Brothers Cooperage Company, The. (See Raible, John R., assignor.)

Gribble, Arthur. (See Williams, William G., assignor.)

Grid-Iron-Grip Company. (See Slauson, Louis E., assignor.)

Griesedieck, Robert J., St. Louis, Mo. Shank reenforcement. 1,628,969; May 17.

Griswold, Andrew E., Seattle, Wash. Safety switch. 1,629,158; May 17.

Grönroos, Jakob, Fairport Harbor, Ohio. Stair rods. 1,628,662; May 17.

Gross, Ralph, Buffalo, N. Y. Automatic railway signal. 1,628,663; May 17.

Grutter, Otto C., Creston, Ill. Water-heating apparatus. 1,628,664; May 17.

Gulberson Corporation, The. (See Wilson, Robert A., assignor.)

Guillemet, Louis A., Flushing, N. Y. Radiator cover. 1,628,774; May 17.

Gurley, W. & L. E. (See Arms, Edward W., assignor.)

Guthrie, Agnes F. (See Buckner, William T., assignor.)

Haag Brothers Company. (See Beatty, William G., assignor.)

Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)

Haertel, Walter W., Detroit, Mich. Pail holder. 1,628,722; May 17.

Hagedorn, William, Sutherland, Iowa. Draft appliance. 1,628,721; May 17.

Hager, Christian B., Marshalltown, Iowa. Composition for washing clothes or other fabrics. 1,628,970; May 17.

Hagg, Virgil B., West Hollywood, Calif. Water filter. 1,629,269; May 17.

Hahl, Hans, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Complex antimony compound and making same. 1,628,838; May 17.

Hall, John G. S., Chicago, Ill. Weather strip. 1,628,665; May 17.

Hall, Roy E., Rock Island, assignor to Hall Research Corporation, Chicago, Ill. Relay. 1,628,723; May 17.

Hall Research Corporation. (See Hall, Ray E., assignor.)
Halliday, Ernest F., Bishop, Calif. Hay-bunching rake. 1,628,971; May 17.
Hallihan, John P. (See Turner, D. L., and Hallihan.)
Hamilton Beach Mfg. Co. (See Mross, E., and Ernst, assignors.)
Hammer-Bray Company. (See Weisman, John C., assignor.)
Hammer, Samuel, Brooklyn, assignor to United Metal Box Co. Inc., Long Island City, N. Y. Lock-attaching means. 1,629,270; May 17.
Handy & Harmen. (See Leach, Robert H., assignor.)
Hankinson, Wesley, and J. J. Knebel, Kansas City, Mo. Wrist-watch strap. 1,629,339; May 17.
Hansen, Augie L., assignor to The A. L. Hansen Mfg. Co., Chicago, Ill. Display stand. Des. 72,672; May 17.
Hansen, A. L. Mfg. Co., The. (See Hansen, Augie L., assignor.)
Hansen, Lorentz E., Bergen, Norway. Rotatable block housing. 1,628,972; May 17.
Hansen, Martin. (See Sherburne, Rufus B., and L. G. and Hansen.)
Hanson, Hans C., assignor to American Gas Machine Company, Albert Lea, Minn. Heating stove using liquid vaporizing fuel. Re16,625; May 17.
Harley, William R., Los Angeles, Calif. Double swivel hanger and support for punching bags and the like. 1,628,973; May 17.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,628,666; May 17.
Hartford-Empire Company. (See Peiler, Karl E., assignor.)
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. 1,629,100; May 17.
Hartman, Charles F., Los Angeles, Calif. Lead pencil with external feed. 1,628,974; May 17.
Haskell, Broderick, Franklin, Pa. Truck bolster. 1,628,839; May 17.
Hathaway, Clyde N., Detroit, Mich. Curtain-rod-threading device. 1,628,667; May 17.
Hawkins, Omar, Leesburg, Ind. Milling attachment. 1,628,975; May 17.
Hawley, Edgar R., and C. W. Scott, Salt Lake City, Utah. Automatically-governed condensing device. 1,629,159; May 17.
Hawthorne, Charles W., Shrewsbury, Mass., assignor, by mesne assignments, to The Chase National Bank of the City of New York, trustee, New York, N. Y. Tool for bending metal fabric. 1,628,976; May 17.
Haynes, George P., assignor to Todd Dry Dock Engineering & Repair Corporation, New York, N. Y. System of liquid-fuel-supply control. 1,629,463; May 17.
Health Products Corporation. (See Berg, W. H., Whitman, and Aab, assignors.)
Heath, Reginald C. (See Goodridge, George E., assignor.)
Hebenstreit, Emil H., Milwaukee, Wis. Upholstered box-spring structure. 1,628,977; May 17.
Heermance, Bernard I., Montrose, N. Y. Snow-melting apparatus. 1,629,160; May 17.
Heimerl, Frank, St. Nazianz, Wis. Oil heater for crank cases. 1,629,101; May 17.
Heintz, Leo I., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Post connection for vehicle bodies. 1,629,271; May 17.
Heintz Manufacturing Company. (See Heintz, Leo I., assignor.)
Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)
Heise, William H., Los Angeles, Calif. Truck elevator. 1,628,880; May 17.
Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Twisting head for spinning machines. 1,628,775; May 17.
Helm, Henry C. (See Helm, John and H. C.)
Helm, John and H. C., St. Louis, Mo. Mail box. 1,628,881; May 17.
Henderson, James B., Lee, England. Sighting device. 1,628,776; May 17.
Henderson, James B., Lee, England. Telescopic apparatus. 1,628,777; May 17.
Hendrickson, Fred K., assignor to The Whitin Machine Works, Whitinsville, Mass. Spinning machine. 1,628,778; May 17.
Herrmann, Willy O., and W. Haehnel, assignors to Consortium Fuer Elektrochemische Industrie, Munich, Germany. Stabilizing colloidal systems. 1,629,161; May 17.
Hersey, Ralph E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic regulator for energy transformers. 1,628,978; May 17.
Heys, John J., Lynn, and A. R. Braden, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Knife for splitting machines. 1,628,840; May 17.
Hicok, De Los N., Newark, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Fusible element. 1,629,102; May 17.
Hill, William H., Chattanooga, Tenn. Automobile pedal. 1,629,381; May 17.
Hillier, Harold. (See Fothergill, F., and Hillier.)
Hinkley, Frank H., Erie, Pa. Crank-case heater. 1,629,382; May 17.
Hisanosuke, Sato, New York, N. Y. Game apparatus. 1,629,383; May 17.
Hobart Manufacturing Company. (See Zademach, Erich R., assignor.)
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoffman, Frank, Buffalo, N. Y. Woodworking machine. 1,628,724; May 17.
Hoffman, Paul, La Grange, Ill., and J. B. Strong, Suffern, assignors to Rampo Ajax Corporation, New York, N. Y. Switch-point guard. 1,628,882; May 17.
Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Carrier amplitude-control system. 1,628,883; May 17.
Hölken, Martin, sr., Barmen, Germany. Production of fodder. 1,629,077; May 17.
Holland, Earl R., Mansfield, Tex. Gas heater. 1,629,384; May 17.
Hollander, Aladar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Multistage centrifugal pump. 1,628,841; May 17.
Holman, Roger P., Omaha, Nebr. Trash burner. 1,629,162; May 17.
Holt, Royal A. (See Ritchey, P. D., and Holt.)
Honberger, Frank S., Los Angeles, Calif. Protected concrete pile and making same. 1,629,103; May 17.
Honey, Albert H., Los Angeles, Calif. Make-up frame for X-ray photography. 1,629,104; May 17.
Hood, Harry M., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Utilizing flexible molds for producing sponge-rubber articles. 1,628,979; May 17.
Hoover, Elbert C. and I. C., Washington, D. C. Racket case. 1,629,105; May 17.
Hoover, Irwin C. (See Hoover, Elbert C. and I. C.)
Hope, Frederick T., assignor of one-fourth to G. A. Meagher, Seattle, Wash. Draft regulator. 1,628,980; May 17.
Horsburgh, John H., Cleveland, Ohio. Wrench. 1,628,842; May 17.
Horton, Daniel T., assignor to The Thyogen Company, East Cleveland, Ohio. Powder-applying device for medicinal purposes. 1,628,843; May 17.
Horton, Thomas A., Kingston, N. Y. Cigar machine. 1,629,163; May 17.
Horwitt, Paul H., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Package of paper napkins, towels, and the like. 1,628,981; May 17.
Hotsenpiller, William L. (See Fleshner, Lawrence P., assignor.)
Houde Engineering Corporation. (See Shultz, A. B., and Casper, assignors.)
Houser, Charles B., Detroit, Mich. Division board for bowling alleys. 1,628,844; May 17.
Hovda, Oliver H., Billings, Mont. Nail-sorting device. 1,629,385; May 17.
Howard, Andrew. (See Ludwin, J., and Howard.)
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Flat spiral power spring. 1,628,668; May 17.
Hubbard, Henry E., assignor to Addressograph Company, Chicago, Ill. Index tab. 1,629,033; May 17.
Hughes, Lank, Washington, D. C. Tool-holding device. 1,628,213; May 17.
Hughes, Milton C. Roy, Wash. Pie-cutting guide. 1,629,164; May 17.
Hnisizer, Robert I., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-discharge device. 1,628,982; May 17.
Humason, Granville A., Houston, Tex. Pump plunger. 1,629,034; May 17.
Humidity Control Company, The. (See Krick, Arthur E., assignor.)
Hummerson, Samuel, Clay Township, Carroll County, Ind. Game apparatus. 1,629,386; May 17.
Hungate, Fred, Tampa, Fla., assignor of one-half to L. G. Gillaspy, Indianapolis, Ind. Oil-circulating system. 1,629,340; May 17.
Hunter, Frances H. (See Hunter, George H. and F. H.)
Hunter, George H. and F. H., New York, N. Y. Window-cleaning device. 1,628,669; May 17.
Hupprich, William A., Seattle, Wash. Brake. 1,629,272; May 17.
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 1,629,387; May 17.
Hurt, Helen J., New York, N. Y. Method of and composition for transferring designs, pictures, and the like. 1,629,165; May 17.
Hyatt, Frank S., Brooklyn, N. Y. Socket and plug connection. 1,629,166; May 17.
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Electric switch. 1,628,884; May 17.
Independent Paper Mills, Inc. (See Horwitt, Paul H., assignor.)
Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
International Combustion Engineering Corporation. (See deLorenzi, Otto, assignor.)
International Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
International Harvester Company. (See Dennis, Samuel K., assignor.)

International Harvester Company. (See Sperry, H. B., and Witte, assignors.)
International Harvester Company. (See Webber, William, assignor.)
International Postal Supply Company. (See Zahn, Lawrence J., assignor.)
Iowa State College of Agriculture and Mechanic Arts. (See Giese, Henry, assignor.)
Irgens, Finn T. (See Tanner, P. A., and Irgens.)
Irving Iron Works Company. (See Van Hoffen, William A., assignor.)
Irwin & Company. (See Cohn, Irwin, assignor.)
Isbell, Loran, Little York, N. Y. Snowplow. 1,629,341; May 17.
Israelson, Peder, Hillman, Minn. Potato cutter and planter. 1,628,779; May 17.
Isringhaus, Hugo, Barmen, Germany. Button-making machine. 1,629,214; May 17.
Jackevich, Joseph. (See Mullen, L., and Jackevich.)
Jackson, Arthur C., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Sealed padlock. 1,629,388; May 17.
Jackson, Clarence W., assignor of one-half to C. Bilderback, Seattle, Wash. 1,628,845; May 17.
Jackson, Joseph G., assignor to Edward Katzinger Company, Chicago, Ill. Covered baking pan. 1,628,885; May 17.
Jackson, Ray P., Edgewood Park, G. C. Kent, Turtle Creek, and E. J. Casselman, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Molded plywood. 1,628,886; May 17.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,629,273; May 17.
Jacoby, Clark E. (See Scott, Syrus S., assignor.)
Jacoby, John, and B. Wieczorkiewicz, Cleveland, Ohio. Lamp shade. Des. 72,673; May 17.
Jaegler, Heinrich, Salem, Oreg. Warm-air-furnace radiator. 1,628,780; May 17.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,628,781; May 17.
Jahn & Oliier Engraving Co. (See Ronning, Victor C., assignor.)
Jahr, Arthur A. (See Schultz, August E., assignor.)
Janosko, George J., Anaconda, Mont. Snow shovel. 1,628,782; May 17.
Jassen, Bern, Brooklyn, N. Y. Automobile mirror. 1,629,458; May 17.
Jenkins, William L., London, England. Memorandum appliance. 1,629,459; May 17.
Jensen, Adolph C., W. Moloney, and G. Biltgen, Chicago, Ill. Window-cleaning device. 1,628,783; May 17.
Johns-Manville Corporation. (See Carroll, John S., assignor.)
Johnson, Albin H., Chicago, Ill. Fountain comb. 1,629,389; May 17.
Johnson, Charles J., Sacramento, Calif. Handy measuring device. 1,629,106; May 17.
Johnson, Emma K., administratrix. (See Johnson, Homer B.)
Johnson, Homer B., deceased, Sheridan, Ind. E. K. Johnson administratrix. Harvester. 1,629,215; May 17.
Johnson & Johnson. (See Johnson, Robert W., assignor.)
Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical network. 1,628,983; May 17.
Johnson, Peter B., Fremon, Nebr. Stacker. 1,628,725; May 17.
Johnson, Robert C., Leicester, England. Runner for curtain rods. 1,628,984; May 17.
Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. End-locked sanitary napkin. 1,629,390; May 17.
Johnston, William A. (See Denmead, John W., assignor.)
Joy, Joseph F., Pittsburgh, assignor, by mesne assignments, to Joy Manufacturing Company, Franklin, Pa. Loading machine. 1,628,985; May 17.
Joy Manufacturing Company. (See Joy, Joseph F., assignor.)
Juhasz, Michael, Dover, Ohio. Vehicle signaling system. 1,629,342; May 17.
Karaban, Rubin. (See Goldman, M., and Karaban.)
Karlsson, Oscar F., Sodertalje, Sweden. Water closet. 1,628,887; May 17.
Karst, Clarence E., assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Display and vending apparatus. 1,628,846; May 17.
Katterjohn, August H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Fluid-operated motor. 1,629,035.
Katz, John A., York, Pa., assignor to S. F. Laucks, York, Pa. Key-identification device. 1,629,343; May 17.
Katz, Morris, New York, N. Y. Apron. 1,628,670; May 17.
Katzenmoyer, Harry E., Rosedale, Pa., assignor, by mesne assignments, to The Torrington Company, Torrington, Conn. Latch knitting needle. 1,629,454; May 17.
Katzinger, Edward, Company. (See Jackson, Joseph G., assignor.)
Katzman, Max, Ogdensburg, N. Y. Electric vaporizer. 1,628,784; May 17.
Kaufman, Irving, et al. (See Pfister, John R., assignor.)
Keeler, Lewis J., assignor of one-half to Le Rue P. Bensing, Cleveland, and one-half to G. P. Koelliker, Cleveland Heights, Ohio. Electrolytic rectifier. 1,628,785; May 17.
Keiffer, Harry F., Perrysburg, Ohio. Tilting washer. 1,629,274; May 17.
Keim, Lester H., Pasadena, and R. E. Kline, Alhambra, assignors to Oil Well Supply Company, Los Angeles, Calif. Rotary draw works. 1,628,847; May 17.
Kelch, James W., and J. J. Sunday, Detroit, Mich., assignors to Kelch Ventilating Heater Company. Heater for automobiles. 1,628,671; May 17.
Kelch Ventilating Heater Company. (See Kelch, J. W., and Sunday, assignors.)
Kelch Ventilating Heater Company. (See Sunday, James J., assignor.)
Kellogg Switchboard and Supply Company. (See Lincoln, Elmer W., assignor.)
Kelly, Orson N., Los Angeles, Calif., assignor to Frank A. Weeks Mfg. Co., New York, N. Y. Automatically-closing inkwell. 1,628,786; May 17.
Kemp, Archie R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating material. 1,628,986; May 17.
Kemp, Charles T., and N. E. Ryckman, assignors to The Comeld Washer Company of Canada Limited, Hamilton, Ontario, Canada. Washing machine. 1,629,391; May 17.
Kennedy, Angus B., Charlottsville, Va. Leaching method and apparatus. 1,628,787; May 17.
Kennedy, Edward C., Newark, Del., assignor to the Torrington Company, Torrington, Conn. Latch needle. 1,629,275; May 17.
Kent, George C. (See Jackson, R. P., Kent, and Casselman.)
Kerrison, Mrs. A. G. (See Smith, Frank, assignor.)
Kiely, James F., Syracuse, N. Y. Recording machine. 1,629,078; May 17.
Killion, James B., Washington, Ind. Storage plant to preserve by nature. 1,629,392; May 17.
Kimmel, Charles P., Gary, Ind. Rail-holding device. 1,629,344; May 17.
King, Robert W., assignor to Western Electric Company Incorporated, New York, N. Y. Thermionic device and evacuating the same. 1,628,987; May 17.
Kingman, Russell B., Orange, assignor to Metal Textile Corportion, West Orange, N. J. Stapling tags to articles. 1,628,848; May 17.
Kipp, Orin L., St. Paul, Minn. Concrete-pavement finishing machine. 1,629,276; May 17.
Kipper, Herman B., Muskegon, Mich. Composition for use in making sulphate or kraft pulp and making same. 1,629,393; May 17.
Kirchhoff, Ernest, Great Rills, assignor to Elias Reiss and Company, New York, N. Y. Textile fabric. Des. 72,675; May 17.
Kirschbraun, Louis. (See Colvin, W. J., and Kirschbraun.)
Kitch, Joseph B., Ely, Nev. Heat retainer for engines. 1,629,394; May 17.
Kitrell, Virgil H., University Place, Nebr. Clutch. 1,629,036; May 17.
Klaiber, Albert, Ridgewood, N. Y. Medical apparatus for the treatment of the intestines. 1,628,849; May 17.
Klein, Alfred M., Wellington, Ohio, assignor, by mesne assignments, to The Piercy Company, Dover, Del. Apparatus for treating food-containing materials. 1,628,850; May 17.
Klein, Mathias & Sons, Inc. (See Rose, William, assignor.)
Klenck, Louis G., jr., St. Paul, Minn. Radiator protector. 1,629,216; May 17.
Kline, Richard E. (See Keim, L. H., and Kline.)
Klinge, John, Dubuque, Iowa. Rotary pump. 1,628,888; May 17.
Klingler, Albert. (See Zinke, A., and Klingler.)
Kmentt, Waldemar D. (See Matthias, G. L., and Kmentt.)
Knapp, John C., Atlanta, Ga. Tripping device for car stanchions. 1,628,788; May 17.
Knebel, Jacob J. (See Hankinson, W., and Knebel.)
Knowlton, Eugene W., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Sausage stuffer. 1,628,726; May 17.
Knox, Harry A., Davenport, Iowa. Trackless vehicle. 1,629,079; May 17.
Kobe, Inc. (See Coberly, Clarence J., assignor.)
Koeb, Emil, Tuckahoe, assignor, by mesne assignments, to Perfect Window Regulator Corporation, New York, N. Y. Window regulator. 1,629,277; May 17.
Koehring Company. (See Robb, John F., assignor.)
Koelliker, George P., et al. (See Keeler, Lewis J., assignor.)
Koots, Arthur C., assignor to Gem Hammock & Fly Net Company, Milwaukee, Wis. Wash mop. 1,628,789; May 17.
Koref, Frits, Berlin, Germany, assignor to General Electric Company. Device for transforming the crystalline structure of wires. 1,629,345; May 17.
Kostock, Paul P., Chicago, Ill. Automobile tire. 1,628,790; May 17.

Kramer, John G., assignor to Carnahan-Byrne Machinery Company, Inc., Detroit, Mich. Vertically-slidable inwardly-swinging windows. 1,628,727; May 17.
Krantz, Hermann, Aachen, Germany. Drying textile materials. 1,629,167; May 17.
Krantz, Hubert K., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch box. 1,628,889; May 17.
Krick, Arthur E., Danville, assignor to The Humidity Control Company, Indianapolis, Ind. Humidity regulator. 1,629,107; May 17.
Kroehler Mfg. Co. (See Beech, Alexander C., assignor.)
Krook, Carl G., Kingman, assignor of one-half to H. L. McCarn, Chloride, Ariz. Planing tool. 1,628,791; May 17.
Kruse, Henry B., et al. (See Brooks, Roscoe A., assignor.)
Kuehner, Arthur T., Elkridge, Md. Manually-controlled steam-operated cylinder cock and drift valve. 1,629,037; May 17.
Kurscheidt, Peter J., Woodhaven, and H. E. Norwood, Brooklyn, N. Y. Clutch for window regulators. 1,628,672; May 17.
Kyle, Joseph, Greene, Iowa. Vermin-destroying henroost. 1,629,395; May 17.
L. G. S. Devices Corporation. (See Drexler, Charles, assignor.)
L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
Laist, Frederick, and F. F. Frick, Anaconda, Mont. Concentration of minerals from ores by the use of sulphones as flotation reagents. 1,629,080; May 17.
Lake, Simon, Milford, Conn. Apparatus for the treatment of varicose veins. 1,629,108; May 17.
Lambert, Albert L., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Post connection for vehicle bodies. 1,629,278; May 17.
Lambert, Cecil R., Company, The. (See Preble, Norman H., assignor.)
Lange, Edward H., New York, N. Y. Stabilizing amplifiers. 1,628,890; May 17.
Lange, George H. (See Linden, C. E., and Lange.)
Langfitt, Pearley E. (See Thomas, E. R., and Langfitt.)
Langmuir, Frank H., Woodbury, N. J., assignor to Belber Trunk & Bag Company, Philadelphia, Pa. Trunk. 1,628,988; May 17.
Largent, William W., and C. A. Stiles, Tyrone, Pa. Socket member. 1,629,217; May 17.
Larison, Eldon L., F. F. Frick, and R. J. Caro, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Making monoammonium phosphate. 1,628,792; May 17.
Larsh, John M., assignor of one-fourth to W. M. Taylor and one-fourth to U. G. Smith, Indianapolis, Ind. Road-vehicle steering mechanism. 1,628,851; May 17.
Larson, Albert G., Piedmont, and E. R. Cooper, San Leandro, Calif.; said Cooper assignor to J. W. Cooper, San Leandro, Calif. Washing-machine mechanism. 1,629,218; May 17.
Larson, Samuel E., Custer County, Nebr. Gasket for fruit jars. 1,629,346; May 17.
Laszlo, Franz, assignor to Thyssen & Co., Aktiengesellschaft, Mulheim-Ruhr, Germany. Rotor for dynamo-electric machines. 1,629,081; May 17.
Lattin, Edward J., Canton, Ohio. Spare-tire carrier. 1,628,728; May 17.
Laucks, S. Forry. (See Katz, John A., assignor.)
Lawrence, Edward G., Minneapolis, Minn., assignor to O. B. McClintock Co. Alarm system for vaults. 1,629,347; May 17.
Layer, Hugo. (See Sproul, W. R., and Layer.)
Lee, Charles, assignor to The Automatic Merchandizer, Inc., Boston, Mass. Coin-controlled apparatus. 1,628,852; May 17.
Leach, Robert H., Bridgeport, Conn., assignor to Handy & Harmen. Silver alloy. 1,628,673; May 17.
Lee, Lewis M., Frankfort, Ky. Cultivating apparatus. 1,629,109; May 17.
Lefkowitz, Amelia, New York, N. Y. Pyjama pants. 1,628,891; May 17.
Leguillon, Charles W. (See Wilson, G. F., and Leguillon.)
Leightitner, George W., Apollo, Pa. Processes for cleaning and pressing paper money. 1,629,038; May 17.
Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 72,675; May 17.
Lemley, William E., Taylor, Wash. Building block. 1,629,279; May 17.
Leuchtenberg, William E., New York, N. Y. Removing hydrogen sulphide from coal or water gases. 1,629,396; May 17.
Lewis, Edward, and H. Lewis, Chicago, Ill. Headlight-control switch. 1,629,397; May 17.
Lewis, Fred K., and C. R. Allen, assignors to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Top for vehicles and the like. 1,628,892; May 17.
Lewis, Harry. (See Lewis, Edward and H.)
Lewis, Leroy M., Merion, Pa. Dry-pipe valve. 1,628,674; May 17.
Liberman Manufacturing Company. (See Loewy, Aaron E., assignor.)
Liles, Dexter W., Badin, N. C. Bottle opener. 1,629,219; May 17.
Lincoln, Elmer W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,629,280; May 17.
Linden, Carl. E. and G. H. Langen, assignors to The Cincinnati Planer Company, Cincinnati, Ohio. Traverse mechanism. 1,629,082; May 17.
Lindsley, Benamin F., Mansfield, Ohio. Swing stand. 1,629,281; May 17.
Link, Theodore A., Chicago, Ill. Football game. 1,629,398; May 17.
Lion Match Company. (See Greenbaum, L., and Van Hoofstadt, assignors.)
Livingston, Albert E. (See Livingston, Walter, and A. E.)
Livingston, Walter and A. E., Hastings, Nebr. Inner receptacle for hearses. 1,628,893; May 17.
Loewenherz, Siegmund, and M. Stockmayer, Berlin, assignors to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H., Ehrenbergstrasse, Berlin, Germany. Machine for drilling drawing dies. 1,629,220; May 17.
Loewy, Aaron E., Philadelphia, Pa., assignor to Liberman Manufacturing Company. Automatic controlling mechanism. 1,628,989; May 17.
Lomax, Frank B., Chicago, Ill. Liquid dispenser. 1,628,853; May 17.
Lord, Harry G., Philadelphia, Pa. Spring construction. 1,629,399; May 17.
Lovejoy, Clinton C., Long Island City, N. Y. Automobile semaphore signal. 1,629,400; May 17.
Lovekin, Luther D., Wynnewood, Pa. Automatic shut-off valve. 1,628,675; May 17.
Lovell, Stanley P., Brockton, Mass. Stiffner for boots and shoes and compound used therein. 1,629,110; May 17.
Lucas, Francis F., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alloys. 1,628,990; May 17.
Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engine. 1,629,111. May 17.
Ludwick, Herbert V., assignor to Budd Wheel Company, Philadelphia, Pa. Work-holding device for multiple spindle drills. 1,628,729; May 17.
Ludwig & Ludwig, Inc. (See Danly, Robert C., assignor.)
Ludwin, John, and A. Howard, Long Island, N. Y. Gauge-glass and feed-glass protection. 1,629,348; May 17.
Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Underfeed stoker. 1,629,282; May 17.
Lundgren, Edwin, Frederick, Md., assignor to International Combustion Engineering Corporation, New York, N. Y. Underfeed stoker. 1,629,283; May 17.
Lynch, Patrick H. (See McKay, J. A., and Lynch.)
Lynn, Thomas H., Williamsport, Pa. Tire carrier. 1,629,039; May 17.
Mabee, Elliott B., Brooklyn, N. Y. Illuminating device. 1,629,284; May 17.
Mabee, Elliott B., Brooklyn, N. Y. Film-developing holder. 1,629,285; May 17.
MacDonald, Frederick D., Milwaukee, Wis. Floral support. 1,629,112; May 17.
MacDonald, James A., Boston, Mass. Sinew extractor. 1,629,349; May 17.
MacDonald, James M., East Orange, N. J. Container. 1,628,793; May 17.
MacMichael, William. (See Chester, T., and MacMichael.)
MacNutt, Barry, Gloucester, Mass. Recording scale. 1,629,221; May 17.
Magann, Merritt W., assignor to St. Louis Steel Ball Corporation, St. Louis, Mo. Metallic-ball-making machine. 1,629,464; May 17.
Maier, William, St. Louis, Mo. Fastening device. 1,629,113; May 17.
March, Carl, Chicago, Ill. Trap. 1,629,402; May 17.
Maretta Hollow Ware and Enameling Company. (See Russel, John W., assignor.)
Marlin-Rockwell Corporation. (See Parsons, Harry N., assignor.)
Martignoni, Luigi, Genoa, Italy. Therapeutical apparatus. 1,628,794; May 17.
Marvin, Benjamin, et al. (See Pfister, John R., assignor.)
Marwahn, Carl A., Oshkosh, Wis. Convertible vehicle body. 1,629,403; May 17.
Mascolo, Aniello, Waterbury, Conn. Flying toy. 1,629,114; May 17.
Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for serving material upon a core. 1,629,168; May 17.
Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for serving material to a core. 1,629,169; May 17.
Materny, Otto, Bethlehem, Pa. Reversible window. 1,629,350; May 17.
Matthias, Gilbert L., and W. D. Kmentt, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for forming sleeves and associating them with articles. 1,629,170; May 17.

Maunsell, Leslie B. (See Drummond, Thomas N., assignor.)
Maupin Automotive Corporation. (See Maupin, Edward H., assignor.)
Maupin, Edward H., Dallas, Tex., assignor to Maupin Automotive Corporation. Internal-combustion engine. 1,628,894; May 17.
May, Joseph S., Jersey City, N. J. Ribbon reel. 1,628,795; May 17.
May, N. E. (See Patus, A., and Nagy, assignors.)
Mayer, Max. (See Wohl, M. J. and Mayer.)
Mayo, Lonnie M., Detroit, Mich. Air-propelled novelty device. 1,628,796; May 17.
McCall, James H., Huntingdon, Tenn. Sanitary odorless toilet. 1,629,401; May 17.
McCallum, John, Walbridge, Ohio. Remote control device for railroad cars. 1,629,286; May 17.
McCane, Hugh I., Southgate, Ky. Display case for advertisements. Des. 72,676; May 17.
McCarn, Henry L. (See Krook, Carl G., assignor.)
McClintock, O. B. Co. (See Lawrence, Edward G., assignor.)
McConway & Torley Company, The. (See McConway, William jr., assignor.)
McConway & Torley Company, The. (See Regan, William J., assignor.)
McConway, William jr., assignor to McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,629,351; May 17.
McCord, Frank G. (See Padgett, Powell D., assignor.)
McGrevy, Jeremiah, Richmond Hill, assignor to Solidarity Watch Case Company, New York, N. Y. Article holder and case. 1,629,040; May 17.
McKay, John A., and P. H. Lynch, assignors to The John A. McKay Manufacturing Company, Inc., Dunn, N. C. Stalk cutter. 1,628,730; May 17.
McKay, John A., Manufacturing Company, The. (See McKay, J. A., and Lynch, assignors.)
McKenna, William, assignor to Albert Pick & Company, Chicago, Ill. Steam cooker. 1,628,895; May 17.
Meade, Peter F., United States Army, Washington, D. C. Horseshoe. 1,629,083; May 17.
Meagher, George A. (See Hope, Frederick T., assignor.)
Medearis, Columbus L., Shreveport, La. Gun barrel. 1,628,896; May 17.
Meer, Alexander, Spokane, Wash. Lever lock. 1,628,731; May 17.
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Receiving arrangements for wireless telegraphy. 1,628,676; May 17.
Mendes, H., & Company. (See Fox, Julius A., assignor.)
Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Sulphur burner. 1,629,352; May 17.
Messenger, Jack E., Des Moines, Iowa. Foot accelerator. 1,629,222; May 17.
Metal Textile Corporation. (See Kingman, Russell B., assignor.)
Metz, H. A., Laboratories, Inc. (See Funk, C., and Dubin, assignors.)
Michalicek, Fred, Cedar Rapids, Iowa. Anchoring device. 1,629,353; May 17.
Michod, Charles L., Chicago, Ill., assignor, by mesne assignments, to E. S. Evans & Company, Incorporated, Detroit, Mich. Vehicle stay block. 1,628,854; May 17.
Miller Company, The. (See West, Otto, assignor.)
Miller, Daniel D., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,628,991; May 17.
Miller, Frank C., Auburndale, Mass. Cylinder drainage and relief valve. 1,629,354; May 17.
Miller, William J., Swissvale Borough, assignor, by mesne assignments, to William J. Miller, Inc., Swissvale, Pa. Glass-fabricating apparatus. 1,629,455; May 17.
Miller, William J., Inc. (See Miller, William J., assignor.)
Milligan, Senton K., assignor to Amalgamated Roofing Company, Chicago, Ill. Roofing. 1,629,287; May 17.
Mills, Edward, assignor to Whitin Machine Works, Whitinsville, Mass. Attachment for cotton lappers. 1,628,797; May 17.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for location of a source of sound vibrations. 1,628,992; May 17.
Mills, Robert W., Benton Harbor, Mich. Hammer or the like. 1,628,897; May 17.
Minier, William, Milo Township, Ill. Yieldable coupling. 1,629,041; May 17.
Mitchell, Frank P., Wilmington, Ill. Pocket attachment for belts. 1,629,404; May 17.
Mitchell, Frederick G., London, England. Unloading apparatus for railway cars. 1,628,732; May 17.
Mitchell, Frederick W., Cleveland, Ohio. Pump for elevating and dispensing liquids. 1,629,115; May 17.
Mogyorós, Stephen, and S. Visi, East Pittsburgh, Pa. Fireplace. 1,629,223; May 17.
Mohr, Heinrich, Hagen, Germany. Buffer for railway and like cars. 1,629,224; May 17.
Moloney, William. (See Jensen, A. C., Moloney, and Biltgen.)
Mommsen, Ernst, executor. (See Carbone, Tito L.)
Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmitter. 1,628,898; May 17.
Moore, Karl W., Cynthiana, Ky. Tail-docking machine. 1,629,042; May 17.
Moore Shoe Company, The. (See Rohrer, Arthur M., assignor.)
Moreau, Henri, Paris, France. Apparatus for central heating. 1,629,043; May 17.
Morichard, Jean H. A., Amsterdam, Netherlands. Device for graphically indicating information on plans, maps, charts, or the like. 1,628,677; May 17.
Morris, Callie E., Brooklyn, N. Y. Faucet-bulb connection. 1,628,733; May 17.
Morrison, Montford, New York, N. Y. Current-regulating apparatus. 1,628,678; May 17.
Morrow, Forrest L., Chicago, Ill. Automatic potato-chip machine. 1,629,355; May 17.
Morse, Albert W., Long Island City, N. Y. Liquid and gas mixer. 1,629,288; May 17.
Morse, Robert V., Ithaca, N. Y. Electromagnetic brake. 1,629,084; May 17.
Morter, Harvey B., Ainsworth, Nebr. Prairie-fire fighter. 1,629,044; May 17.
Mosen, Carl, and W. J. Coleman, Bend, Oreg. Transfer table for sawmills. 1,629,225; May 17.
Moskovics, Fredric E., Indianapolis, Ind. Engine hood. Des. 72,677; May 17.
Mross, Edward, and W. Ernst, assignors to Hamilton Beach Mfg. Co., Racine, Wis. Motor bracket. 1,628,855; May 17.
Muehlenbeck, Fred P., assignor to E. C. Gmelin, Chicago, Ill. Heater. 1,629,116; May 17.
Mueller, Charles C., jr. (See Mueller, Elsie A. and C. C., jr.)
Mueller, Elsie A., Chestertown, N. Y., and C. C. Mueller, jr., Newark, N. J. Tire patch. 1,629,289; May 17.
Mullen, Leo. and J. Jackevich, Collingdale, Pa. Life belt. 1,629,290; May 17.
Multisize Rotary Press Co. (See Wells, John H., assignor.)
Mumford, Edward G., et al. (See Brooks, Roscoe A., assignor.)
Munsingwear Corporation, The. (See Chatfield, Franklin, assignor.)
Murphy, James J., assignor to Eagle Lock Co., Terryville, Conn. Cylinder lock. 1,629,172; May 17.
Murphy, Morton, Indianapolis, Ind. Electric vulcanizer. 1,628,899; May 17.
Muscate, A. Henry, Manitou, Colo. Automobile memo. 1,629,291; May 17.
Myers, Milton C., St. Joseph, Mo. Harrow. 1,629,356; May 17.
Naamlooze Vennootschap Nederlandsche Seintoestellen Fabriek. (See Reijnders, Franciscus H., assignor.)
Nagy, Louis. (See Patus and Nagy.)
Naismith, William G., assignor to The Denver Rock Drill Mfg. Co., Denver, Colo. Fluid-operated motor. 1,629,226; May 17.
Navrogenis, Aristote, Milwaukee, Wis. Electron-discharge device. 1,629,171; May 17.
Neath, Jephthah, Staines, England. Construction of tennis courts. 1,628,679; May 17.
Neilsen, Karl P., Long Beach, Calif. Deep-well gas and oil separator. 1,628,900; May 17.
Neilsen, Karl P., Long Beach, Calif. Pump-plunger assembly. 1,628,901; May 17.
Nelson, Charles A., assignor to Savage Arms Corporation, Utica, N. Y. Firearm. 1,628,798; May 17.
Nelson, William E. (See Busha, Leon, assignor.)
Neufeldt & Kuhnke Betreibsgesellschaft m. b. H. (See Thoma, Hans, assignor.)
Newhall, Henry B. (See Pleister, Henry W., assignor.)
New Idea Spreader Co., The. (See Oppenheim, T. H., and Selhorst, assignors.)
Newman, Nathan E., Bronxville, N. Y. Multiple scoring machine. 1,628,680; May 17.
Newman, Nathan E., Bronxville, N. Y. Plastic sheet or slab. 1,628,681; May 17.
Newsom, Reeves J., Lynn, Mass. Method of and apparatus for making cement lined pipe. 1,629,292; May 17.
Newton, Albert E., Providence, assignor to Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 72,678; May 17.
Newton, Albert E., Providence, assignor to Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 72,679; May 17.
Newton, Albert E., Providence, assignor to Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 72,680; May 17.
Newton, Edward G., Pittsfield, Mass., assignor to General Electric Company. Reactance coil. 1,629,293; May 17.
New York Mills Corporation. (See Leiper, John, assignor.)
Nickell, Thomas P., and W. H. Rodefeld, Richmond, Ind., said Nickell assignor to R. S. Blair, Stamford, Conn. Commutating mechanism for ignition systems and the like. 1,628,902; May 17.
Niles, Walter L. C., Saugus, assignor to Excel Shoe Form Company, Lynn, Mass. Shoe-display form. 1,628,734; May 17.
Noack, Friederich. (See Winzenburg, W., and Noack.)
Nobbe, Morris O., Newark, N. J. Separable cuff button. 1,628,735; May 17.

Noble, Newell J., Nobleford, Alberta, Canada, assignor to The Dustless Thresher Promotion Company, Limited. Thrashing machine. 1,629,294; May 17.
Noe, Frank P., and S. M. Gooder, Chicago, Ill. Constructing concrete walls in deep trenches. 1,628,682; May 17.
Nordstog, John, Crosby, N. Dak. Harrow. 1,628,799; May 17.
Northrop, James H., Santa Ana, Calif. Attention arrester. 1,628,903; May 17.
Norwood, Harry E. (See Kurscheidt, P. J., and Norwood.)
Novak, Frunk J., and F. J. Cisek, Scappoose, Oreg. Car-door-securing means. 1,628,904; May 17.
Nyman, Alexander, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless telephone system. 1,628,905; May 17.
O'Byrne, Joseph F., Golden, Colo. Air cleaner. 1,628,906; May 17.
O'Donnell, Philip L., Cincinnati, Ohio. Taping machine. 1,628,800; May 17.
Oertel, Albert, Richmond Hill, N. Y. Coffee ring dough divider. 1,629,295; May 17.
Offet, Edwin A., Toledo, Ohio. Circuit closer for vehicle signals. 1,628,801; May 17.
Ohio Body & Blower Company, The. (See Dawson, Carl E., assignor.)
Ohio Match Company, The. (See Swartz, Orlo E., assignor.)
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Oil Well Supply Company. (See Keim, L. H., and Kline, assignors.)
Oliver, Ernon V., Portland, Oreg. Condenser for stills. 1,628,736; May 17.
Oliver, Ernon V., Portland, Oreg. Condenser for stills. 1,628,737; May 17.
Olness, Irvin J., Kragnes, Minn. Cut-out. 1,628,738; May 17.
Olschewski, Leo, Irvington, N. J. Sprinkler and rotor element therefor. 1,628,993; May 17.
Oneida Community, Limited. (See Allen, Grosvenor N., assignor.)
Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Shaking-screen mechanism for corn-husking machines. 1,629,357; May 17.
Orren, Robert C., Moline, Ill. Rake. 1,628,994; May 17.
Ott, Richard B. (See Brady, J. F., and Ott.)
Ouellet, Louis G., St. Anaclet, Quebec, Canada. Coaster brake. 1,629,296; May 17.
Padgett, Powell D., assignor of one-half to F. G. McCord, Atlanta, Ga. Drinking attachment. 1,629,358; May 17.
Pagel, William F., Sycamore, Ill. Plumber's blowtorch. 1,628,739; May 17.
Paiste, H. T., Company. (See Paiste, Henry T., assignor.)
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Handle for assembling parts of electric fixtures. 1,629,405; May 17.
Palueff, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Winding for electrical apparatus. 1,629,462; May 17.
Parker, John A., Rifle, Colo. Blast furnace. 1,629,045; May 17.
Parker, John W., Barrington, R. I., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Micrometer gauge. 1,629,406; May 17.
Parsons, Harry N., Chicago, Ill., assignor to Marlin-Rockwell Corporation. Making ball retainers. 1,629,173; May 17.
Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H. (See Loewenherz, S., and Stockmayer, assignors.)
Pathé Cinéma, Anciens Établissements Pathé Freres. (See Pénin, Emile C., assignor.)
Patrick, Isaac, Jamaica, N. Y. Composite blade for scissors, shears, etc., and cutters therefor. 1,628,856; May 17.
Patton, Hal T., assignor to The Bishop & Babcock Company, Cleveland, Ohio. Method of and apparatus for charging hollow expansible elements. 1,629,174; May 17.
Patus, Alexander, and L. Nagy, assignors of one-third to N. E. Nay, South Bend, Ind. Wheel brake. 1,629,407; May 17.
Pause, Ernst, Cologne-Mulheim, Germany. Device for effecting a sterile closure for preserve containers. 1,629,359; May 17.
Peacock, Albert R., Rome, Ga. Refrigerator door. 1,629,408; May 17.
Peller, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for separating molten glass into mold charges. 1,629,409; May 17.
Pellegrini, Joseph A., Pittsburgh, Pa. Parking light. 1,629,456; May 17.
Pellegrino, Vincenzo, Rye, N. Y. Cover for curative medicines. 1,629,297; May 17.
Penberthy, Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,629,117; May 17.
Pence, Lafe V., El Paso, Tex. Thermosiphon radiator. 1,629,298; May 17.
Pénin, Emile C., Joinville-le-Pont, assignor to Pathé Cinéma, Anciens Établissements Pathé Freres, Paris, France. Electric contact plug. 1,628,683; May 17.
Pennington, Gordon R., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Dump truck. 1,628,907; May 17.
Peppard, Thomas, Olympia, Wash. Fowl catcher. 1,629,046; May 17.
Perfect Window Regulator Corporation. (See Koeb, Emil, assignor.)
Perrem, Frederick C., Blackrock, Ireland. Electrical vibrator. 1,628,802; May 17.
Perry, Thomas L. (See English, F. S., and Perry.)
Pessemier, Victor V., Tacoma, Wash. Shoe last. 1,629,299; May 17.
Peters, Arthur F., Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill sharpener. 1,629,175; May 17.
Petersen, Anker. Winthrop, Mass. Traverse drive for winding machines. 1,629,300; May 17.
Pfander, Walter F. (See Sturt, A. T., and Pfander.)
Pfander, Walter F., Yonkers, assignor to W. C. Durant, New York, N. Y. Vehicle frame. 1,629,301; May 17.
Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,629,443; May 17.
Pfister, John R., assignor of five per cent to I. Kaufman, nineteen per cent to E. Brenner, and thirteen per cent to M. Boskey, I. A. Schiller, B. Marvin, and M. E. Sterling, New York, N. Y. Wood-preserving system. 1,629,302; May 17.
Phelps, Frederick G., New York, N. Y. Self-conforming straw hat. 1,629,176; May 17.
Phillips, Clive S., assignor of one-half to F. R. Simms, London, England. Tap for fluids. 1,629,303; May 17.
Phillips, John W., Lillington, N. C. Foot accelerator. 1,628,995; May 17.
Pick, Albert, & Company. (See McKenna, William, assignor.)
Piercy Company, The. (See Klein, Alfred M., assignor.)
Pines Winterfront Company. (See Raleigh, James F., assignor.)
Pinter, John C., Chicago, Ill. Packaging machine. 1,628,803; May 17.
Piper, Joseph A., Wiley Ford, W. Va., assignor of one-half to L. Settle, Cumberland, Md. Headlight adjuster for autos. 1,629,360; May 17.
Platt, Cornelius B., and W. S. Brown, Carthage, Mo. Adjustable support for bed bottoms. 1,629,410; May 17.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Manufacturing thin drill blades. 1,628,684; May 17.
Pogue, Robert B., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Refractory lining. 1,629,047; May 17.
Polack, Aron, Paris, France. Hyperchromatic objective. 1,629,361; May 17.
Post, Claude L., Chicago, Ill. Sheet-feeding control means. 1,629,118; May 17.
Post, Claude L., Chicago, Ill. Envelope feeder. 1,629,450; May 17.
Poston, Ira M., Dallas, Tex. Elevator gate. 1,629,048; May 17.
Poulos, Stivin, Boston, Mass. Alarm. 1,628,908; May 17.
Pratt, Clara A., St. Paul, assignor of one-half to E. M. Scanlan, Minneapolis, Minn. Sacro-iliac belts. 1,628,685; May 17.
Preble, Norman H., assignor to The Cecil R. Lambert Company, Inc., Detroit, Mich. Truck conveyer. 1,628,909; May 17.
Price, Edgar, Schenectady, N. Y., assignor to General Electric Company. Electromagnetic clutch. 1,629,304; May 17.
Price, Jacob L., assignor to Bendix Brake Company, Chicago, Ill. Manufacture of brake drums. 1,628,804; May 17.
Prince-Smith, William, and J. Robinson, Keighley, England. Spindle of flier-spinning, roving, and analogous machines. 1,629,365; May 17.
Prosperity Company, The. (See Clisson, Albert B., assignor.)
Prosperity Company, The. (See Daly, Joseph P., assignor.)
Proud, Harry M., West Ealing, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Electric signaling and indicating apparatus. 1,629,049; May 17.
Prouty, Theodore C. and W. O., Hermosa Beach, assignors, by mesne assignments, to American Encaustic Tiling Company, Ltd., Los Angeles, Calif. Ceramic process and product. 1,628,910; May 17.
Prouty, Willis O. (See Prouty, Theodore C. and W. O.)
Puls, Louis J., Walla Walla, Wash. Apparatus for treating grains. 1,629,050; May 17.
Pyle-National Company, The. (See Dake, Charles W., assignor.)
Rabidoux, Charles J., and W. M. Einhorn, Blue Island, Ill. Rim. 1,629,411; May 17.
Rachlin, Max, Brooklyn, N. Y. Gutter hanger. 1,629,305; May 17.
Radio Corporation of America. (See Franklin, Charles S., assignor.)

Raible, John R., Lakewood, assignor to The Greif Brothers Cooperage Company, Cleveland, Ohio. Sheet metal keg. 1,628,686; May 17.
Raleigh, James F., assignor to Pines Winterfront Company, Chicago, Ill. Locking device. 1,628,740; May 17.
Ramapo Ajax Corporation. (See Hoffman, P., and Strong, assignors.)
Reddig, Charles E., Kew Gardens, assignor to Western Electric Company, Incorporated, New York, N. Y., Ironing machine. 1,628,996; May 17.
Rednour, William H., Dugger, Ind. Railroad grass-line and ditch cutter. 1,628,805; May 17.
Reeder, John J., West Union, Iowa. Headrest for barber chairs. 1,629,306; May 17.
Regal Silver Mfg. Co. (See Danks, R. L., and Baker, assignors.)
Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft gear. 1,629,307; May 17.
Reijnders, Franciscus H., Soesterberg, assignor of one-half to Naamlooze Vennootschap Nederlandsche Seintoestellen Fabriek, Hilversum, Netherlands. Diathermy device. 1,628,806; May 17.
Reiss, Elias and Company. (See Kirchhoff, Ernest, assignor.)
Reitz, Albert F., Kansas City, Mo. Dilator. 1,629,119; May 17.
Relich, Kosta, New York, N. Y. Fur knife. 1,629,412; May 17.
Renard, Inc. (See Todd, Paul H., assignor.)
Retallack, John B., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device for testing register senders. 1,628,997; May 17.
Reynolds, Charles H., Canton, Ohio. Bearing. 1,629,413; May 17.
Reynolds Spring Company. (See Ile, William, assignor.)
Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung. (See Schöllkopf, Karl, assignor.)
Rhode Island Lace Works, Inc. (See Newton, Albert E., assignor.)
Rhodes, Hampton P., assignor to Rhodes Master Packing Company, Houston, Tex. Forming metallic packing. 1,629,051; May 17.
Rhodes Master Packing Company. (See Rhodes, Hampton P.)
Rich, George R., Battle Creek, Mich. Electrically-welded valve tappet. 1,628,911; May 17.
Rice, Steven A., San Francisco, Calif. Illuminated sign. 1,628,912; May 17.
Richards, Oscar, Montrose, Colo. Transposing mechanism for pianos, organs, and the like. 1,629,052; May 17.
Riddle, John, assignor to Telegraph Construction and Maintenance Company, Limited, London, England. Siphon and like recorder. 1,628,913; May 17.
Riddle, Roy A., New Orleans, La. Paper weight. 1,629,414; May 17.
Ridenour, Martin C., assignor of one-sixth to T. M. Ridenour and one-sixth to M. L. Ridenour, Kingwood, W. Va. Steering connecting rod for automobiles. 1,628,914; May 17.
Ridenour, Minnie L., et al. (See Ridenour, Martin C., assignor.)
Ridenour, Thomas M., et al. (See Ridenour, Martin C., assignor.)
Riley, Thomas J., Philadelphia, Pa. Manually-propelled vehicle. 1,629,308; May 17.
Ripple, Pery H., assignor to The American Hardware Corporation, New Britain, Conn. Doorcheck. 1,629,120; May 17.
Ritchey, Park D., Poughkeepsie, and R. A. Holt, Wappingers Falls, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Adjustable pin gauge. 1,628,741; May 17.
Roach-Appleton Manufacturing Company. (See Fischer, Albert C., assignor.)
Robb, John F., Cleveland, Ohio, assignor to Koehring Company, Milwaukee, Wis. Cement-measuring and water-proportioning device. 1,628 915; May 17.
Robert, Nelly M., Cleveland, Ohio. Foldable wardrobe. 1,629,362; May 17.
Roberts, Ovid E., jr., Washington, D. C. Manufacture of shaped articles of set plastic material. 1,628,807; May 17.
Robertson, Edmond, Newport, Ky. Filter. 1,629,085; May 17.
Robertson, Harry M., Lakewood, Ohio. Apparatus for treating articles. 1,628,742; May 17.
Robinson, James. (See Prince-Smith, W., and Robinson.)
Rodefeld, William H. (See Nickell, T. P., and Rodefeld.)
Rogers, Allen H., Westmoreland Depot, N. H. Hoe. 1,629,415; May 17.
Rogers, Francis C. (See Callahan, J. J., and Rogers.)
Rohrer, Arthur M., Kirkwood, assignor to The Moore Shoe Company, St. Louis, Mo. Shoe. 1,628,743; May 17.
Rohrke, Hugo F., Ansley, Nebr. Sanitary cream saver. 1,629,309; May 17.
Rokoski, Welles, Carlos, Minn. Wall construction. 1,629,310; May 17.
Roliman, Michael A., Mount Joy, Pa. Meat chopper. 1,628,998; May 17.
Roman, Joseph and M., Brooklyn, N. Y. Safety razor. 1,629,416; May 17.
Roman, Max. (See Roman, Joseph and M.)
Ronci, Victor L., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated. New York, N. Y. Electron-discharge device. 1,628,999; May 17.
Ronk, George T., Fairfield, Iowa. Hoisting mechanism. 1,628,916; May 17.
Ronning, Victor C., assignor to Jahn & Ollier Engraving Co., Chicago, Ill. Reetching half tones on copper together with a formula applicable thereto. 1,628,857; May 17.
Rose, William, assignor to Mathias Klein & Sons, Inc., Chicago, Ill. Fish-tape puller. 1,628,744; May 17.
Ross, Clarence E. (See Smith, Marion D., assignor.)
Ross, Walter, Louisville, Ky. Ball-bearing porch-swing hook. 1,629,363; May 17.
Rosenblatt, Isidor, New York, assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Chandelier or article of similar nature. Des. 72,681; May 17.
Rosenblatt, Isidor, New York, assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Chandelier or article of similar nature. Des. 72,682; May 17.
Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Magnetic core for electrical machinery. 1,629,311; May 17.
Ruff, Edward, and E. C. L. Bailey, Newark, N. J. Automatic reciprocating bolt. 1,628,808; May 17.
Rumely, Vincent P., Detroit, Mich. Tool for adjusting points of spark plugs. 1,629,000; May 17.
Rumke, George H., Denver, Colo. Amusement apparatus. 1,628,745; May 17.
Rumrich, Alfons. Pittsburgh, Pa. Burglar alarm. 1,629,312; May 17.
Ruspoli, Fabrizio, Turin, Italy. Manoeuver indicator. 1,629,227; May 17.
Russel, Philip S., St. Louis, and D. M. Boyd, Kirkwood, assignors, by mesne assignments, to Electrol, Inc., of Missouri, St. Louis, Mo. Pump. 1,629,121; May 17.
Russell, John W., Columbia, Pa., assignor of one-half to Marietta Hollow Ware and Enameling Company, Marietta, Pa. Combination drain board and cover. 1,628,746; May 17.
Rüttenauer, Alfred, Berlin-Charlottenberg, Germany, assignor to General Electric Company. Inclosed arc lamp. 1,629,313; May 17.
Ryckman, Norman E. (See Kemp, C. T., and Ryckman.)
Ryon, Eppa H., Pasadena, Calif. Gas-burner control. 1,629,228; May 17.
Sacks, George P. (See White, George H., assignor.)
Sahr, Benjamin F., Hutchinson, Minn. Dental impression trays. 1,629,177; May 17.
St. Louis Steel Ball Corporation. (See Mangann, Merritt W., assignor.)
Salisbury, Orange J., Salt Lake City, Utah. Continuous process of treating oils. 1,628,747; May 17.
Salvesen, Fredrik B., Brooklyn, N. Y. Cultivator. 1,628,748; May 17.
Samstag & Hilder Bros., Inc. (See Bowman, Chatham E., assignor.)
Samuels, Alfred S., Saugus, Mass. Spring and recoil check. 1,628,749; May 17.
Sandstrom, Ferdinand E., St. Paul, Minn. Run board for freight cars. 1,628,809; May 17.
Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
Savage Arms Corporation. (See Nelson, Charles A., assignor.)
Scanlan, Edith M. (See Pratt, Clara A., assignor.)
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-shoe guard. 1,628,917; May 17.
Schane, Edward H., assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Clamping member for awnings. 1,628,687; May 17.
Schein, Alexander E., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Radial bearing. 1,629,314; May 17.
Schelleng, John C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,629,001; May 17.
Schenker, Walter, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel-engine valve. 1,629,122; May 17.
Schiller, Ira A., et al. (See Pfister, John R., assignor.)
Schmick, Henry J., Williamsport, Pa. Screw and gear making apparatus. 1,629,123; May 17.
Schmidt, Carl E., Oscoda, Mich. Imitation driftwood and manufacturing same. 1,628,918; May 17.
Schmits, Alwin, Erfurt, Germany. Press for pressing hollow bronze objects. 1,629,417; May 17.
Schöllkopf, Karl, assignor to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Manufacturing menthol. 1,629,002; May 17.
Scholly, Frank C., Philadelphia, Pa. Ball. 1,629,364; May 17.
Schonfeld, David H., Fresno, Calif. Combination puller. 1,629,003; May 17.
Schrader, Carl C., Hughson, Calif. Marker block. 1,629,053; May 17.
Schultheis, Robert B., Brooklyn, N. Y. Time-control mechanism for radioreceivers. 1,628,810; May 17.

Schultz, August E., assignor of one-half to A. A. Jahr, Forest Park, Ill. Railway bumping post. 1,629,124; May 17.

Schwarber, Henry, Weehawken, N. J. Embroidered lace. Des. 72,683; May 17.

Schwarzkopf, Paul, Berlin-Charlottenburg, Germany. Production of molybdenum trioxide and tungsten trioxide. 1,629,004; May 17.

Schweiker, Roy W., Lansdale, Pa. Side-wall lighting fixture. Des. 72,684; May 17.

Scott, Carl W. (See Hawley, E. R., and Scott.)

Scott, Syrus S., Carrollton, Mo., assignor of one-half to C. E. Jacoby, Kansas City, Mo. Mat for revetment work and making same. 1,629,315; May 17.

Scutt, Lewis W., St. Louis, Mo. Device for teaching time in music. 1,628,688; May 17.

Sebille, Leo P., Cleveland, Ohio. Gas-generating apparatus. 1,629,125; May 17.

Sedwick, Matthew M., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y. Mechanism for feeding filled cans to closing machines. 1,628,919; May 17.

Seiders, Irwin A., Reading, Pa. Steam superheater for locomotives. 1,629,005; May 17.

Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)

Senftle, Edward M., and F. Eckert, Buffalo, N. Y. Door closure for railway cars. 1,628,920; May 17.

Serling, Maurice E., et al. (See Pfister, John R., assignor.)

Settle, Louis. (See Piper, Joseph A., assignor.)

Sharp, Edward, jr., Brookline, Mass. Sign. 1,629,229; May 17.

Shaw, Lew W. (See Simpson, Robert, assignor.)

Shawk, Guy E., Mansfield, Ohio, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistor-supporting means. 1,628,858; May 17.

Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Underframe for ore cars. 1,628,921; May 17.

Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Dumping door and mounting. 1,628,922; May 17.

Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Hopper car structure. 1,628,923; May 17.

Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car underframe. 1,628,924; May 17.

Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Railway car. 1,628,925; May 17.

Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive bed and steam passage. 1,629,316; May 17.

Sheinman, Morris, New York, N. Y. Lock. 1,628,750; May 17.

Sherburne, Leon G. (See Sherburne, Rufus B. and L. G., and Hansen.)

Sherburne, Rufus B. and L. G., and M. Hansen, New York, N. Y., said Leon G. Sherburne and said Martin Hansen assignors to said Rufus B. Sherburne. Coin-receiving mechanism for vending machines. 1,629,006; May 17.

Shield, William C., Crocket, Calif. Pressure-regulating apparatus. 1,628,859; May 17.

Shook, Florain J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Connection for torque arms or the like. 1,629,178; May 17.

Short, Clifford F., North Long Beach, Calif. Electrode holder. 1,628,926; May 17.

Shultz, Albert B., and A. B. Casper, assignors to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,628,811; May 17.

Shwayder, Benjamin H., Denver, Colo. Traveling bag. 1,628,812; May 17.

Siegel, Maude, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 72,685; May 17.

Simmons Company. (See Bayer, Matthew F., assignor.)

Simms, Frederick R. (See Phillips, Clive S., assignor.)

Simpson, Robert, Detroit, assignor to L. W. Shaw, Highland Park, Mich. Rotary snow-sweeper attachment for tractors. 1,629,321; May 17.

Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)

Skinner, Harry A., New York, N. Y. Facial-wrinkle-removing device. 1,629,460; May 17.

Slater, Fred M., Easton, Pa., assignor to Ingersol-Rand Company, Jersey City, N. J. Rock-drill. 1,629,179; May 17.

Slauson Louis E., Moline, assignor to Grid-Iron Grip Company, Rock Island, Ill. Traction wheel. 1,629,126; May 17.

Small, Norman M. (See Buehler, L., and Small.)

Smith, A. O., Corporation. (See Smith, Reuben S., assignor.)

Smith, Ermy R., Maplewood, N. J., assignor by mesne assignments to Western Electric Company, Incorporated. Telephone-exchange system. 1,629,007; May 17.

Smith, Ermy R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,629,008; May 17.

Smith, Frank, assignor of one-tenth to Mrs. A. G. Kerrison, Rockford, Ill. Foldable bedspring. 1,629,317; May 17.

Smith, Frank E., Scottdale, Pa. Carrier for endless-belt conveyers. 1,629,054; May 17.

Smith, Harry J., Lakewood, Ohio. Speed changer. 1,629,180; May 17.

Smith, Marion D., Casper, Wyo., assignor of one-half to C. E. Ross, Fort Worth, Tex. Boiler-control device. 1,629,055; May 17.

Smith, Reuben S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for forming metal elements. 1,628,751; May 17.

Smith, Sidney L., Pittsburgh, Pa. Filter. 1,629,418; May 17.

Smith, Ulysses G., et al. (See Larsh, John M., assignor.)

Smith's, John E., Sons Company. (See Knowlton, Eugene W., assignor.)

Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Low-impedance electric discharge device. 1,629,009; May 17.

Snow, Wilmer S., Oak Park, assignor to Unique Lamp & Casting Company, Chicago, Ill. Electric-light bracket. Des. 72,686; May 17.

Snyder, Elwood S. (See Eyer, G. H., and Snyder.)

Soderberg, Andrew W., Munhall, Pa. Regenerative furnace. 1,629,056; May 17.

Solar-Polar Storm Sash and Screen Co. (See Gillman, John J., assignor.)

Solidarity Watch Case Company. (See McGrevy, Jeremiah, assignor.)

Sorensen, Henning L., Allentown, Pa. Boat-launching device. 1,629,419; May 17.

Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Indicating loss of synchronism in transmission systems. 1,629,236; May 17.

Sperry Gyroscope Company, The. (See Schein, Alexander E., assignor.)

Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)

Sperry, Herbert B., and G. W. Witte, assignors to International Harvester Company, Chicago, Ill. Bundle carrier. 1,629,181; May 17.

Spezial-Werkzeu-Fabrik Feuerbach G. m. b. H. (See Distler, Hans, assignor.)

Spicer, Clarence W., Plainfield, N. J., assignor to Spicer Manufacturing Corporation. Welding hollow shafts. 1,629,127; May 17.

Spicer Manufacturing Corporation. (See Spicer, Clarence W., assignor.)

Sproul, E. W., Company. (See Sproul, W. R., and Layer, assignors.)

Sproul, Wilford R., Chicago, and H. Layer, Winnetka, assignors to E. W. Sproul Company, Chicago, Ill. Form for concrete wall construction. 1,628,752; May 17.

Stack, Maurice J., Cohoes, N. Y. Instrument for inserting continuous bats into upholstery plaits. 1,628,927; May 17.

Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)

Standard Corset Company, The. (See Von Halle, Millard, assignor.)

Standard Development Company. (See Becker, Arman E., assignor.)

Standard Gage Company. (See Ritchey, P. D., and Holt, assignors.)

Standard Malling Machines Company. (See Storck, Frederick W., assignor.)

Standard Manufacturing Company. (See Elmstrom, Robert M., assignor.)

Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Regulating means for elastic-fluid turbines. 1,629,318; May 17.

Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Regulating means for elastic-fluid turbines. 1,629,319; May 17.

Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Multiple-spring clutch. 1,629,420; May 17.

Steinkraus, John C., Cicero, Ill. Map or display rail. 1,628,860; May 17.

Stepp, William C., Penelope, Tex. Tire-inflating apparatus. 1,628,813; May 17.

Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for deflating tubes. 1,629,128; May 17.

Stevens, M. T., and Sons Company. (See Stone, George, assignor.)

Stevens, Virgil A., Green Cove Springs, Fla. Garment presser and creaser. 1,629,230; May 17.

Stewart, William G., Cleveland, Ohio. Compression faucet. 1,628,689; May 17.

Stickdorn, Robert, Munich, Germany. Flush device for water-closets. 1,629,421; May 17.

Stickney, Burnham C., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,629,129; May 17.

Stiles, Charles A. (See Largent, W. W., and Stiles.)

Stockmayer, Max. (See Loewenherz, S., and Stockmayer.)

Stone, George, assignor to M. T. Stevens and Sons Company, North Andover, Mass. Apparatus for cleaning cloth. 1,628,690; May 17.

Storck, Frederick W., Somerville, assignor to Standard Malling Machines Company, Everett, Mass. Rotary printing device. 1,629,130; May 17.

Storck, Walter, Berlin, Germany. Grinding device. 1,628,753; May 17.

Stover, Paul A., assignor to The Stover Signal Engineering Company, Racine, Wis. Rear signal light for automobiles. 1,629,231; May 17.

Stover, Paul A., assignor to The Stover Signal Engineering Company, Racine, Wis. Rear signal light for automobiles. 1,629,232; May 17.

Stover Signal Engineering Company, The. (See Stover, Paul A., assignor.)

Strachan, Robert. (See Traill, R., and Strachan.)

Strand, Charles A., Chicago, Ill. Blade-sharpening mechanism. 1,628,754; May 17.

Streine, Frank H., assignor to The Streine Tool and Manufacturing Company, New Bremen, Ohio. Automatic plate and sheet trimming and squaring machine. 1,629,233; May 17.

Streine Tool and Mfg. Co., The. (See Streine, Frank H., assignor.)

Strong, James B. (See Hoffman, P., and Strong.)

Stubbs, Everard, Springfield, Vt. Ring-spinning frame. 1,629,366; May 17.

Stull Process Company. (See Stull, Ray T., assignor.)

Stull, Ray T., Columbus, Ohio, assignor to Stull Process Company, Savannah, Ga. Whirlpool classifier and classifying process. 1,629,182; May 17.

Sturt, Alfred T., Flint, Mich., assignor to Durant Motors Incorporated. Motor-vehicle frame. 1,629,320; May 17.

Sturt, Alfred T., Flint, Mich., and W. F. Pfander, Yonkers, N. Y., assignors to Durant Motors Incorporated. Motor-vehicle frame. 1,629,234; May 17.

Sturt, Alfred T., Flint, Mich., and W. F. Pfander, Yonkers, N. Y., assignors to Durant Motors Incorporated. Muffler and motor-vehicle frame. 1,629,235; May 17.

Sullivan, Albert V., Alameda, assignor to California Packing Corporation, San Francisco, Calif. Combination peach pitter. 1,629,131; May 17.

Sunday, James J. (See Kelch, J. W., and Sunday.)

Sunday, James J., Detroit, Mich., assignor, by mesne assignments, to Kelch Ventilating Heater Company. Heater for automobiles. 1,628,691; May 17.

Sutcliffe, Edgar R., Leigh, England. Producing activated carbonaceous substances and the product of the method. 1,629,237; May 17.

Swarthout, Leon, Rochester, N. Y. Handy case for car and bus conductors and others. 1,629,322; May 17.

Swartz, Orlo E., assignor to The Ohio Match Company, Wadsworth, Ohio. Transfer device for conveyers. 1,629,323; May 17.

Swem, Daniel D., assignor to The Artistic Bronze Company, Bridgeport, Conn. Bracket hinge. 1,629,183; May 17.

Tanner, Philip A., and F. T. Irgens, South Bend, Ind., assignors to Cushman Motor Works, Lincoln, Nebr. Lubricating means for internal-combustion engines. 1,628,755; May 17.

Taylor, Chase, Washington, D. C. Signaling device. 1,628,756; May 17.

Taylor, Lawrence P., Los Angeles, Calif. Apparatus for cementing soles to shoes. 1,628,861; May 17.

Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Method and apparatus for making can bodies. 1,628,928; May 17.

Taylor, William M., et al. (See Larsh, John M., assignor.)

Telegraph Construction and Maintenance Company. (See Riddle, John, assignor.)

Terraz, Symphorian, assignor to the Trustees of Assumption College, Worcester, Mass. Sun dial. 1,629,238; May 17.

Theis, Hugh H., Taylor, Tex. Automobile signal. 1,629,057; May 17.

Thermo Instrument Company, The. (See Bitzel, Andrew, assignor.)

Thévoz, Frederic, Geneva, Switzerland. Press. 1,629,010; May 17.

Thies, Urban C., assignor, by mesne assignments, to R. E. Cowden, receiver, Dayton, Ohio. Partition unit and construction. 1,629,367; May 17.

Thoma, Hans, Munich, assignor to Neufeldt & Kuhnke Betriebsgesellschaft m. b. H., Kiel, Germany. Relay-armature suspension. 1,629,324; May 17.

Thomas, Arthur, Mont-sur-Marchienne, assignor to Ateliers de Constructions Electriques de Charlerol, Societe Anonyme, Brussels, Belgium. Foundry-ladle crane. 1,629,184; May 17.

Thomas, Elmer R., and P. E. Langfitt, Shidler, Okla. Pump jack. 1,628,692; May 17.

Thomas, George M., assignor of one-third to P. Garsoni and one-third to J. Grahonia, Wayland, Ky. Permutation lock. 1,629,239; May 17.

Thompson, Howard A., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electro-responsive apparatus. 1,629,011; May 17.

Thomson, Albert R., Derby, Conn. Antiskidding device. 1,628,929; May 17.

Thomson, Albert R., Derby, Conn. Tread member for antiskidding devices. 1,628,930; May 17.

Thordarson, Chester H., Chicago, Ill. Electric jump-spark coil. 1,629,182; May 17.

Thropp, Joseph W. (See Bonner, W. T., and Thropp.)

Thyogen Company, The. (See Horton, Daniel T., assignor.)

Thyssen & Co. Aktiengesellschaft. (See Lassio, Franz, assignor.)

Tice, Francis A., assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Hanger for trolley wires. 1,629,368; May 17.

Tichenor, Paul B., et al. (See Zimmer, Samuel B., assignor.)

Tobin, Joseph V., Wissahickon, Pa. Sled brake. 1,628,693; May 17.

Tobold, Ewald F., Cleveland, Ohio, assignor to The Dill Manufacturing Company. Dust cap. 1,628,694; May 17.

Todd Dry Dock, Engineering & Repair Corporation. (See Haynes, George P., assignor.)

Todd, Paul H., Kalamazoo, Mich., assignor to Renard, Inc., Kalamazoo, Mich. Treating waxed and printed papers. 1,628,931; May 17.

Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)

Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Nonslip floor construction. 1,629,185; May 17.

Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Subscriber's equipment for program transmission. 1,628,695; May 17.

Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,628,696; May 17.

Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Program transmission over wires. 1,628,697; May 17.

Torlo, Thomas, Corona, N. Y. Shoe. 1,629,325; May 17.

Torrington Company, The. (See Katzenmoyer, Harry E., assignor.)

Torrington Company, The. (See Kennedy, Edward C., assignor.)

Townsend, John R., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Locomotive headlight. 1,628,862; May 17.

Townsend, John R., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Shade holder. 1,628,863; May 17.

Traill, Robert, and R. Strachan, assignors to The Fairfield Shipbuilding & Engineering Company, Limited, Glasgow, Scotland. Abstraction of lubricating oil from the oil vapor in crank cases of Diesel engines. 1,628,932; May 17.

Trbojevich, Nikola, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y. Machine for generating gears. 1,628,864; May 17.

Trimble, Henry G., Kansas City, Mo. Fire box. 1,629,012; May 17.

Troiel, Arthur E., Berkeley, Calif. Grouting. 1,628,933; May 17.

Trout, Walter M., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Motor vehicle. 1,629,133; May 17.

Trowbridge, Roy S., Butler, N. J. Unloading device for rubber refiners. 1,629,240; May 17.

Trulove, John C., Shoals, N. C. Tobacco harvester. 1,629,422; May 17.

Trustees of Assumption College, The. (See Terraz, Symphorian, assignor.)

Tufts, Lesley R., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet-feeding mechanism. 1,629,444; May 17.

Turk, Anton, Johnstown, Pa. Safety blasting cap box. 1,629,423; May 17.

Turner, Daniel L., New York, N. Y., and J. P. Hallihan, Detroit, Mich. Highway construction. 1,628,934; May 17.

Turner, Daniel L., and J. P. Hallihan, Detroit, Mich. Superhighway. 1,628,935; May 17.

Turner, Frances M., assignor of one-half to J. E. Cardarelle, Minneapolis, Minn. Drying rack for bathtubs. 1,628,936; May 17.

Ubbelohde, Leo, Karlsruhe, Germany. Treating fibers for spinning purposes. 1,629,241; May 17.

Uhl, George R. (See Brown, H., and Uhl.)

Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)

Union Switch & Signal Company. (See Edmonds, Courtenay H. W., assignor.)

Union Switch & Signal Company, The. (See Proud, Harry M., assignor.)

Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)

Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)

Unique Lamp & Casting Company. (See Snow, Wilmer S., assignor.)

United Metal Box Co. Inc. (See Hammer, Samuel, assignor.)

United Shoe Machinery Corporation. (See Heys, J. J., and Braden, assignors.)

Universal Broadcaster Mfg. Co. (See Bailey, James G., assignor.)

Updegraff, Alpha D., Valley Center, Kans. Frost-exterminating means for windshields. 1,628,814; May 17.

Upham, Franklin S., Des Moines, Iowa. Top. 1,629,326; May 17.

Van Alstine, Albert R., Clearwater, Fla. Four-wheeled scraper. 1,629,242; May 17.

Van Dorn Iron Works Company, The. (See Pennington, Gordon R., assignor.)
Van Hoffen, William A., Brooklyn, N. Y., assignor to Irving Iron Works Company. Continuous grating structure. 1,629,134; May 17.
Van Hoofstadt, Edward. (See Greenbaum, L., and Van Hoofstadt.)
Van Ranst, Cornelius W., Detroit, Mich. Balancing pistons. 1,629,445; May 17.
Vanclain, Samuel L., Rosemont, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Triple expansion mallet locomotive. 1,629,369; May 17.
Vanclain, Samuel M., Rosemont, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Triple expansion Mallet locomotive. 1,629,369; May 17.
Vidina, Joseph, Chicago, Ill. Window. 1,629,186; May 17.
Vinson, William A., Baltimore, Md. Spinning top. 1,629,435; May 17.
Vionnet, Madeleine, Paris, France. Bottle or similar container. Des. 72,687; May 17.
Visi, Stephen. (See Mogyorós, S., and Visi.)
Von Halle, Millard, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y. Corset. Re16,626; May 17.
Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Ratchet-threading tool. 1,628,757; May 17.
Waite, Harry F. (See Garretson, Harry D., assignor.)
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Balancing let-off for looms. 1,628,815; May 17.
Walberg, Bernard E., Worcester, Mass. Cigar and cigarette holder. 1,628,937; May 17.
Waldo, George W., Brooklyn, N. Y. Internal-combustion engines. 1,629,327; May 17.
Walker, Earl, Daykin, Nebr. Automatic water-distribution control. 1,628,698; May 17.
Walker, Florence R., Marcellus, N. Y. Toy or doll house construction. 1,629,424; May 17.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,629,187; May 17.
Wappler Electric Company. (See Wappler, F. H., and Fayer, assignors.)
Wappler, Frederick H., and C. Fayer, Flushing, N. Y., assignors to Wappler Electric Company, Inc. X-ray apparatus. 1,628,699; May 17.
Wardhaugh, Ralph, Brooklyn, N. Y. Direction indicator for automobiles. 1,629,425; May 17.
Ware, Rodney B., Wadsworth, Ohio. Beam compass. 1,629,328; May 17.
Warner, Ralph M. (See Wright, F. E., and Warner.)
Warren, Egbert G., Milwaukee, Wis. Knitted cap. 1,629,188; May 17.
Washburn, George P., Portland, Oreg. Construction for the assembling of box-like structures, such for example as boxes, tables, and the like. 1,628,938; May 17.
Waters, Harry F., St. Louis, Mo. Necktie. 1,628,700; May 17.
Waugh, James M., Chicago, Ill. Draft-gear unit. 1,628,758; May 17.
Weaver, Frank L., and M. F. Campioon, Norwich, Conn. Electrical connecter. 1,629,189; May 17.
Webber, William, La Grange, Ill., assignor to International Harvester Company. Knotter cam oiler for harvesters. 1,629,190; May 17.
Webster, Benjamin C., Southport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Closure and its support. 1,628,865; May 17.
Wedlock, Frank V., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Continuous process of producing sponge rubber articles. 1,629,013; May 17.
Weeks, Frank A., Mfg. Co. (See Kelly, Orson N., assignor.)
Weller, Nicholas, Canton, Ill. Bather's pump. 1,628,866; May 17.
Weisman, John C., assignor to Hammer-Bray Company, Oakland, Calif. Air-deflecting means for closed-top burner chambers of gas stoves. 1,628,701; May 17.
Weller, John C., Newark, Calif. Gauge. 1,629,426; May 17.
Wells, Edward L., assignor to American Steel Products Co., Macomb, Ill. Oil-burner-control mechanism. 1,629,191; May 17.
Wells, John H., Boston, Mass., assignor to Multisize Rotary Press Co., Limited, Toronto, Canada. Variable speed mechanism. 1,628,939; May 17.
Wenger, Jacob, Highland, Ill. Wing construction for airplanes. 1,628,940; May 17.
Wentworth, William E., San Antonio, Tex. Pump jack. 1,628,702; May 17.
Werner, William, Mexia, Tex. Magnetic pump. 1,629,329; May 17.
Wernicke, Louis, West Bend, Wis. Air motor. 1,628,867; May 17.
West, Charles H., Pittsburgh, assignor to Westmoreland Glass Company, Grapeville, Pa. Candlestick. Des. 72,688; May 17.
West, Otto, Cleveland, Ohio, assignor to The Miller Company, Meriden, Conn. Lamp socket. 1,629,243; May 17.
West Virginia Pulp & Paper Company. (See Drewsen, Viggo, assignor.)
Western Electric Company. (See Beaumont, W. M., and Bonomi, assignors.)
Western Electric Company. (See Craft, Edward B., assignor.)
Western Electric Company. (See Curtis, Austen M., assignor.)
Western Electric Company. (See Fowler, Clarence B., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Hersey, Ralph E., assignor.)
Western Electric Company. (See Hulsizer, Robert I., assignor.)
Western Electric Company. (See Johnson, Kenneth S., assignor.)
Western Electric Company. (See Kemp, Archie R., assignor.)
Western Electric Company. (See King, Robert W., assignor.)
Western Electric Company. (See Lucas, Francis F., assignor.)
Western Electric Company. (See Massingham, Henry R., assignor.)
Western Electric Company. (See Miller, Daniel D., assignor.)
Western Electric Company. (See Mills, John, assignor.)
Western Electric Company. (See Moore, Charles R., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Retallack, John B., assignor.)
Western Electric Company. (See Ronci, Victor L., assignor.)
Western Electric Company. (See Schelleng, John C., assignor.)
Western Electric Company. (See Smith, Ermy R., assignor.)
Western Electric Company. (See Snook, Homer C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrgott, Karl, assignor.)
Westinghouse Electric and Manufacturing Company. (See Jackson, R. P., Kent, and Casselman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nyman, Alexander, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shawk, Guy E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Townsend, John R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westmoreland Glass Company. (See West, Charles H., assignor.)
Wharton, William Jr. & Company. (See Angerer, Victor, assignor.)
White, Charles G., Sault Ste. Marie, Mich. Gate. 1,628,703; May 17.
White, George H., Washington, D. C., assignor to G. P. Sacks, Bradley Hills, Md. Ice cream machinery. 1,628,941; May 17.
White, J. H. Manufacturing Company. (See Grumley, Le Roy A., assignor.)
White Motor Company, The. (See Goode, Gilbert C., assignor.)
Whitin Machine Works. (See Crockett, Frank L., assignor.)
Whitin Machine Works. (See Helland, Sigurd H., assignor.)
Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
Whitin Machine Works. (See Mills, Edward, assignor.)
Whitman, Raymond C. (See Berg, W. H., Whitman, and Aab.)
Whitworth, Stanley, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Manufacturing brake shoes. 1,629,427; May 17.
Wieczorkiewicz, Brono. (See Jacoby, J., and Wieczorkiewicz.)
Wieghardt, Paul, Magdeburg, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Platen printing press. 1,628,816; May 17.
Willcox, Frederick H., assignor to Freyn Engineering Company, Chicago, Ill. Dust receiver. 1,629,244; May 17.
Williams, William G., assignor of one-half to A. Gribble, Kingwood, W. Va. Spark-plug tester. 1,628,942; May 17.
Wilson, George F., and C. W. Leguillon, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire-trimming machine. 1,628,817; May 17.
Wilson, Robert A., assignor to The Guiberson Corporation, Dallas, Tex. Threaded coupling. 1,629,068; May 17.
Winthrop Chemical Company. (See Hahl, Hans, assignor.)
Winzenburg, Wilhelm, Kragenhof, near Kassel, and F. Noack, Kassel, Germany. Reflector lamp for diaprojection for cinematography. 1,629,192; May 17.

Witkowski, Rudolph, Beatrice, Nebr. Grease retainer. 1,629,059; May 17.
Witte, Gustav W. (See Sperry, H. B., and Witte.)
Wohl, M. J., & Co. (See Wohl, M. J., and Mayer, assignors.)
Wohl, Maurice J., Long Island City, and M. Mayer, New York, assignor to M. J. Wohl & Co., Inc., Long Island City, N. Y. Connection plug. 1,629,086; May 17.
Wolcott, Edson R., Los Angeles, Calif. Apparatus for pumping liquids. 1,628,943; May 17.
Wolfson, Lewis W., Boston, Mass. Weatherproof antitheft attachment for motor vehicles. 1,629,060; May 17.
Woodin, Carl, Pocahontas, Iowa. Line guide for tractors. 1,629,014; May 17.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,628,868; May 17.
Woodwind Company, The. (See Gemeinhardt, Walter F., assignor.)
Worrall, George H., Kirkwood, Mo. Reenforced sheet lead. 1,628,759; May 17.
Worrall, George H., Kirkwood, Mo. Chemical-resistant lining. 1,628,760; May 17.
Worthington Pump and Machinery Corporation. (See Benson, Harry F., assignor.)
Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
Wright, Francis E., Cleveland, and R. M. Warner, East Cleveland, Ohio. Compressor for refrigerating apparatus. 1,628,944; May 17.
Yale & Towne Manufacturing Company, The. (See Jackson, Arthur C., assignor.)
Young, Harry C. Sutton, and H. O. Burr, Walney, England, assignors to Dunlop Tire and Rubber Corporation of America. Masticating of rubber and apparatus therefor. 1,628,869; May 17.
Youngblood, David F., San Antonio, Tex. Observation and communication permitting device for jails, etc. 1,629,371; May 17.
Zademach, Erich R., New Rochelle, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,628,818; May 17.
Zahn, Lawrence J., Long Island City, assignor to International Postal Supply Company, Brooklyn, N. Y. Moistening device for mailing machines. 1,629,136; May 17.
Zartman, Charles, Los Angeles, Calif. Sight reflectors and glareshield. 1,628,704; May 17.
Zeller, John C., Watford City, N. Dak. Sickle. 1,629,428; May 17.
Zilar, Luther B., Miami, Okla. Grate housing. 1,629,193; May 17.
Zimmer, Samuel B., assignor of ten per cent to E. C. Eddie, Los Angeles, Calif., and ninety per cent to P. B. Tichenor, Salt Lake City, Utah. Glazing and glazing strip. 1,628,705; May 17.
Zinke, Alois, and A. Klingler, Graz, Austria, assignors, by mesne assignments, to F. Bensa. Manufacturing dihydroxyperylene. 1,629,194; May 17.
Zucco, Pierre. (See de Lambert, Léonce, assignor.)
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Intaglio printing machine. 1,629,137; May 17.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abdominal supporter. W. T. Buckner. 1,629,067; May 17.
Abdominal supporter. J. M. Coon. 1,629,203; May 17.
Accelerator, Foot. J. E. Messenger. 1,629,222; May 17.
Accelerator, Foot. J. W. Phillips. 1,628,995; May 17.
Anchoring device. F. Michalicek. 1,629,353; May 17.
Acid, Distilling hydrochloric. L. C. Drefahl. 1,628,829; May 17.
Advertisements, Display case for. H. I. McCane. Des. 72,676; May 17.
Aerial propeller. J. Fischer. 1,628,716; May 17.
Air cleaner. J. F. O'Byrne. 1,628,906; May 17.
Air currents, Apparatus for generating, controlling, and utilizing. E. Curti. 1,629,437; May 17.
Air motor. L. Wernicke. 1,628,867; May 17.
Airplanes, Wing construction for. J. Wenger. 1,628,940; May 17.
Airship anchorage. W. Auberlin. 1,629,197; May 17.
Alarm: *See*—
Burglar alarm.
Alarm. S. Poulos. 1,628,908; May 17.
Alloy. F. F. Lucas. 1,628,990; May 17.
Alloy, Silver. R. H. Leach. 1,628,673; May 17.
Aluminous binding material together with an iron alloy, Producing a hydraulic. L. de Lambert. 1,628,872; May 17.
Amplifiers, Stabilizing. E. H. Lange. 1,6228,890; May 17.
Amusement apparatus. G. H. Rumke. 1,628,745; May 17.
Amusement house. H. C. Conrad. 1,629,258; May 17.
Antimony compounds and making same, Complex. H. Habl. 1,628,838; May 17.
Antiskid device. G. Bonaccorse. 1,629,432; May 17.
Antiskidding device. A. R. Thomson. 1,628,929; May 17.
Antiskidding devices, Thread member for. A. R. Thomson. 1,628,930; May 17.
Apron. M. Katz. 1,628,670; May 17.
Apron, Child's. C. E. Bowman. Des. 72,665; May 17.
Armature suspension, Relay. H. Thoma. 1,629,324; May 17.
Armchair, Adjustable. A. C. Beech. 1,628,764; May 17.
Ash and dust pan, Combined. W. I. Clements. 1,629,336; May 17.
Ash sifter. M. Citrin. 1,629,149; May 17.
Attention arrester. J. H. Northrop. 1,628,903; May 17.
Automobile chassis-lubricating device. F. H. Gleason. 1,629,453; May 17.
Automobile memo. A. H. Muscate. 1,629,291; May 17.
Automobile pedal. W. H. Hill. 1,629,381; May 17.
Automobile semaphore signal. C. C. Lovejoy. 1,629,400; May 17.
Automobile signal. H. H. Theis. 1,629,057; May 17.
Automobiles, Card-display receptacle for. H. H. Dedmon. 1,628,954; May 17.
Automobiles, Direction indicator for. R. Wardhaugh. 1,629,425; May 17.
Automobiles, Planetary-gear drive for. C. L. Culver. 1,629,021; May 17.
Automobiles, Rear signal light for. P. A. Stover. 1,629,231–32; May 17.
Automobiles, Sled attachment for. E. R. Armstrong. 1,629,061; May 17.
Automobiles, Steering connecting rod for. M. C. Ridenour. 1,628,914; May 17.
Autos, Headlight adjuster for. J. A. Piper. 1,629,360; May 17.
Awnings, Clamping member for. E. H. Schane. 1,628,687; May 17.
Bag: *See*—
Traveling bag.
Baking pan, Covered. J. G. Jackson. 1,628,885; May 17.
Ball: *See*—
Rubber ball.
Ball. F. C. Scholly. 1,629,364; May 17.
Ball-making machine, Metallic. M. W. Magann. 1,629,464; May 17.
Ball retainers, Making. H. N. Parsons. 1,629,173; May 17.
Balloon capable of being employed as a captive observation balloon and as a dirigible. L. Avorio. 1,629,374; May 17.
Bathtubs, Drying rack for. F. M. Turner. 1,628,936; May 17.
Bearing. C. H. Reynolds. 1,629,413; May 17.
Bearing pin lubricator and obstruction ejector. M. A. Frank. 1,628,833; May 17.
Bearing, Radial. A. E. Schein. 1,629,314; May 17.
Bed bottoms, Adjustable support for. C. B. Platt and W. S. Brown. 1,629,410; May 17.
Bedspring, Foldable. F. Smith. 1,629,317; May 17.
Bed, Wall. M. F. Bayer. 1,628,763; May 17.
Belt, Life. L. Mullen and J. Jackevich. 1,629,290; May 17.
Belt, Sacro-iliac. C. A. Pratt. 1,628,685; May 17.
Belts, Pocket attachment for. F. P. Mitchell. 1,629,404; May 17.
Bevel. W. H. Ebert and A. G. Ebert. 1,628,713; May 17.
Blast furnace. J. A. Parker. 1,629,045; May 17.
Blasting cap box, Safety. A. Turk. 1,629,423; May 17.
Block: *See*—
Building block. Vehicle stay block.
Marker block.
Bloomers and making the same. F. Chatfield. 1,629,147; May 17.
Blowtorch, Plumber's. W. F. Pagel. 1,628,739; May 17.
Boat-launching device. H. L. Sorensen. 1,629,419; May 17.
Boiler. D. S. Jacobus. 1,629,273; May 17.
Boiler-control device. M. D. Smith. 1,629,055; May 17.
Bolt: *See*—
Reciprocating bolt.
Boots and shoes and compound used therein, Stiffener for. S. P. Lovell. 1,629,110; May 17.
Boots and shoes, Repair piece for. R. M. Elmstrom. 1,628,831; May 17.
Bottle-cap remover. F. S. Enkler and G. W. Baird. 1,628,715; May 17.
Bottle holder, Nursing. L. P. Fleshner. 1,629,156; May 17.
Bottle opener. D. W. Liles. 1,629,219; May 17.
Bottle or similar container. M. Vionnet. Des. 72,687; May 17.
Bottle-washing machine. J. R. Dostal. 1,629,155; May 17.
Bowling alleys, Division board for. C. B. House. 1,628,844; May 17.
Bowling-game apparatus. G. Bradshaw. 1,629,065; May 17.
Box: *See*—
Blasting-cap box. Mail box.
Dice box. Switch box.
Fire box.
Box or similar container. P. C. Delaize. Des. 72,670; May 17.
Boxes, tables, and the like, Construction for the assembling of box-like structures, such for example as. G. P. Washburn. 1,628,938; May 17.
Bracket: *See*—
Motor bracket.
Bracket back. L. A. Crumley. Des. 72,668; May 17.
Brake: *See*—
Coaster brake. Sled brake.
Electromagnetic brake. Wheel brake.
Brake. O. B. Clark. 1,628,950; May 17.
Brake. W. A. Hupprich. 1,629,272; May 17.
Brake-actuating device. G. C. Goode. 1,628,967; May 17.
Brake drums, Manufacture of. J. L. Price. 1,628,804; May 17.
Brake shoe. O. B. Clark. 1,628,951; May 17.
Brake shoe. A. Y. Dodge. 1,628,957; May 17.
Brake shoes, Manufacturing. S. Whitworth. 1,629,427; May 17.
Bridge warning, device. F. H. Gilligan. 1,628,720; May 17.
Broadcast distributing machine. J. G. Bailey. 1,629,248–49; May 17.
Bronze objects, Press for pressing hollow. A. Schmitz. 1,629,417; May 17.
Brooder. W. G. Bruns. 1,629,066; May 17.
Building block. W. E. Lemley. 1,629,279; May 17.
Building Knockdown or foldable. T. C. Colt. 1,629,150; May 17.
Bricks for building rooms inclosed by walls, Box of. A. Bossiet. 1,629,199; May 17.
Bundle carrier. H. B. Sperry. 1,629,181; May 17.
Buoyant wearing apparel for swimming or life-saving purposes. J. B. Adams. 1,629,429; May 17.
Burglar alarm. A. Rumrich. 1,629,312; May 17.
Burner: *See*—
Sulphur burner. Trash burner.
Button loop. C. E. Anderson. 1,628,638; May 17.
Button-making machine. H. Isringhaus. 1,629,214; May 17.
Button, Separable cuff. M. O. Nobbe. 1,628,735; May 17.
Cabinet, Portable. C. Bateholts. Des. 72,663; May 17.
Call selector. L. L. E. Chauvean. 1,628,653; May 17.
Can: *See*—
Lever-top can.

Can bodies, Method and apparatus for making. W. E. Taylor. 1,628,928; May 17.
Cans to closing machines, Mechanism for feeding filled. M. M. Sedwick. 1,628,919; May 17.
Candlestick. C. H. West. Des. 72,688; May 17.
Cap, Dust. E. F. Toboid. 1,628,694; May 17.
Cap, Knitted. E. G. Warren. 1,629,188; May 17.
Car and bus conductors and others, Handy case for. L. Swarthout. 1,629,322; May 17.
Car coupler. W. McConway, Jr. 1,629,351; May 17.
Car doors, Seal for. W. J. Colvin. 1,628,655; May 17.
Car, Dump. H. F. Flowers. 1,628,963; May 17.
Car, Railway. W. M. Sheehan. 1,628,925; May 17.
Car stanchions, Tripping device for. J. C. Knapp. 1,628,788; May 17.
Car structure, Hopper-. W. M. Sheehan. 1,628,923; May 17.
Car underframe. W. M. Sheehan. 1,628,924; May 17.
Car wheels and the like, Machine for testing. T. R. Brown. 1,628,767; May 17.
Cars, Buffer for railway and like. H. Mohr. 1,629,224; May 17.
Cars, Door closure for railway. E. M. Senftle. 1,628,920; May 17.
Cars, Remote control device for railroad. J. McCallum. 1,629,286; May 17.
Cars, Run board for freight. F. E. Sandstrom. 1,628,809; May 17.
Cars, Underframe for ore. W. M. Sheehan. 1,628,921; May 17.
Cars, Unloading apparatus for railway. F. G. Mitchell. 1,628,732; May 17.
Carbonaceous substances and the product of the method, Producing activated. E. R. Sutcliffe. 1,629,237; May 17.
Carburetor. E. Feroldi. 1,629,210; May 17.
Card holder. A. Aquila. 1,629,331; May 17.
Card, Package. O. T. Briggs. 1,629,435; May 17.
Card rack. H. T. Cox. 1,629,070; May 17.
Card, Playing. F. Cohen. 1,629,256; May 17.
Carrier: *See*—
Bundle carrier. Tire carrier.
Golf-bag carrier. Work carrier.
Carrier amplitude-control system. W. H. T. Holden. 1,628,883; May 17.
Case: *See*—
Racket case.
Cement-lined pipe, Method of and apparatus for making. R. J. Newsom. 1,629,292; May 17.
Cement-measuring and water-proportioning device. J. F. Robb. 1,628,915; May 17.
Cementing head. H. A. and C. F. Davis. 1,629,022; May 17.
Ceramic process and product. T. C. and W. O. Prouty. 1,628,910; May 17.
Chairs, Headrest for barber. J. J. Reeder. 1,929,306; May 17.
Chairs, Holding device for. T. and E. V. Cote. 1,629,204; May 17.
Chandelier or article of similar nature. I. Rosenblatt. Des. 72,681–82; May 17.
Chemical reactions or physical processes, Method of and apparatus for carrying out. E. Buhtz. 1,629,200; May 17.
Chemical-resistant lining. G. H. Worrall. 1,628,760; May 17.
Chopper: *See*—
Meat chopper.
Cigar and cigarette holder. B. E. Walberg. 1,628,937; May 17.
Cigar machine. T. A. Horton. 1,629,163; May 17.
Cigarette and match case, Bather's. G. H. Eyer and E. S. Snyder. 1,628,961; May 17.
Cigarette lighters, Casing for. L. V. Aronson. Des. 72,658; May 17.
Cinematography, Reflector lamp for diaprojection. W. Winzenburg and F. Noack. 1,629,192; May 17.
Circuits, Program-selecting. J. F. Toomey. 1,628,696; May 17.
Clamp. J. Arrington. 1,629,246; May 17.
Classifier and classifying process, Whirlpool. R. T. Stull. 1,629,182; May 17.
Cleaner: *See*—
Air cleaner.
Clock casing. G. S. Brush. Des. 72,666; May 17.
Closure and its support. B. C. Webster. 1,628,865; May 17.
Cloth, Apparatus for cleaning. G. Stone. 1,628,690; May 17.
Clutch. V. H. Kitrell. 1,629,036; May 17.
Clutch, Electromagnetic. E. Price. 1,629,304; May 17.
Clutch for window regulators. P. J. Kurscheidt. 1,628,672; May 17.
Clutch, Friction. D. E. Gamble. 1,628,877; May 17.
Clutch, Spring. C. Drexler. 1,629,098; May 17.
Coaster brake. L. G. Ouellet. 1,629,296; May 17.
Cod-liver oil a highly concentrated substance rich in antirachitic and antixerophilic vitamines and the product thereof, Obtaining from. C. Funk and H. E. Dubin. 1,629,074; May 17.
Coil core, Induction. G. S. Chauncey. 1,629,148; May 17.
Coil, Reactance. E. G. Newton. 1,629,293; May 17.
Coin-controlled apparatus. C. Lea. 1,628,852; May 17.
Coin-controlled lock. W. J. Dobkin. 1,628,711; May 17.
Coin-controlled mechanism. G. Giambra. 1,629,211; May 17.
Colloidal systems, Stabilizing. W. O. Herrmann and W. Haehnel. 1,629,161; May 17.
Color harmony device. H. H. Adler. 1,629,330; May 17.
Comb: *See*—
Fountain comb.
Combination puller. D. H. Schonfeld. 1,629,008; May 17.
Compass, Beam. R. B. Ware. 1,629,328; May 17.
Compass, Drafting. P. J. Bungart. 1,629,143; May 17.
Concrete pile and making same, Protected. F. S. Honberger. 1,629,103; May 17.
Concrete wall construction, Form for. W. R. Sproul and H. Layer. 1,628,752; May 17.
Concrete walls in deep trenches, Constructing. F. P. Noe and S. M. Gooder. 1,628,682; May 17.
Condenser. E. B. Craft. 1,629,020; May 17.
Condenser, Electrical. C. S. Franklin. 1,628,659; May 17.
Condensing device, Automatically governed. E. R. Hawley and C. W. Scott. 1,629,159; May 17.
Container. J. M. MacDonald. 1,628,793; May 17.
Controlling apparatus, Attachment means for. W. A. Allen. 1,628,761; May 17.
Controlling mechanism, Automatic. A. E. Loewy. 1,628,989; May 17.
Conveyers, Transfer device for. O. E. Swartz. 1,629,323; May 17.
Cooker, Steam. W. McKenna. 1,628,895; May 17.
Copper together with a formula applicable thereto, Retching half tones on. V. C. Ronning. 1,628,857; May 17.
Coring device. B. H. Dye. 1,629,026; May 17.
Cork textile rolls, Treatment of. H. F. Busch. 1,629,145; May 17.
Corn-husking machines, Shaking screen mechanism for. T. H. Oppenheim and B. Selhorst. 1,629,357; May 17.
Corset. M. Von Halle. Re16,626; May 17.
Cosmetics. A. L. Davis. 1,629,096; May 17.
Cotton and other fibrous materials, Apparatus for use in treating. J. W. Cook. 1,629,068; May 17.
Cotton lappers, Attachment for. E. Mills. 1,628,797; May 17.
Coupling: *See*—
Threaded coupling. Yieldable coupling.
Coupling. H. E. Brice. 1,629,375; May 17.
Crane, Foundry ladle. A. Thomas. 1,629,184; May 17.
Crank-case heater. F. H. Hinkley. 1,629382; May 17.
Crank-case heater. F. H. Hinkley. 1,629,382; May 17.
Cream saver, Sanitary. H. F. Rohrke. 1,629,309; May 17.
Cultivating apparatus. L. M. Lee. 1,629,109; May 17.
Cultivator. F. B. Salvesen. 1,628,748; May 17.
Current-regulating apparatus. M. Morrison. 1,628,678; May 17.
Curtain-rod-threading device. C. N. Hathaway. 1,628,667; May 17.
Curtain rods, Runner for. R. C. Johnson. 1,628,984; May 17.
Cut-out. I. J. Olness. 1,628,738; May 17.
Cutter: *See*—
Stalk cutter.
Cutting head, Rotary. T. C. Alfred. 1,628,870; May 17.
Cylinder cock and drift valve, Manually controlled steam-operated. A. T. Kuehner. 1,629,037; May 17.
Cylinder drainage and relief valve. F. C. Miller. 1,629,354; May 17.
Cylinder lock. J. J. Murphy. 1,629,172; May 17.
Decoy, Flying-duck. J. R. Geisinger. 1,629,442; May 17.
Dental impression tray. B. F. Sahr. 1,629,177; May 17.
Designs, pictures, and the like, Method of and composition for transferring. H. J. Hurt. 1,629,165; May 17.
Diathermy device. F. H. Reijndera. 1,628,806; May 17.
Dice box. L. Bonell. 1,629,142; May 17.
Dichroic inks, Production and utilization of. C. Bittinger. 1,629,250; May 17.
Die press. H. Greenberg. 1,629,268; May 17.
Dihydroxy perylene, Manufacturing. A. Zinke and A. Klingler. 1,629,194; May 17.
Dilator. A. F. Reitz. 1,629,119; May 17.
Display and vending apparatus. C. E. Karst. 1,628,846; May 17.
Display stand. A. L. Hansen. Des. 72,672; May 17.
Door and mounting, Dumping. W. M. Sheehan. 1,628,922; May 17.
Door bumper. L. Covalence. 1,628,826; May 17.
Doorcheck. P. H. Ripple. 1,629,120; May 17.
Door-closing handle. W. M. Archibald. 1,629,195; May 17.
Door, Grain. E. Dugaw. 1,628,958; May 17.
Door holder. N. B. Hurd. 1,629,387; May 17.
Door-securing means, Car-. F. J. Novak and F. J. Cisek. 1,628,904; May 17.
Dough divider, Coffee ring. A. Oertel. 1,629,295; May 17.
Draft appliance. W. Hagedorn. 1,628,721; May 17.
Draft regulator. F. T. Hope. 1,628,980; May 17.
Draft regulator, Automatic. J. L. Breese, jr. 1,628,644; May 17.
Drain board and cover, Combination. J. W. Russel. 1,628,746; May 17.
Draw works, Rotary. L. H. Keim and R. E. Kline. 1,628,847; May 17.
Driftwood and manufacturing same, Imitation. C. E. Schmidt. 1,628,918; May 17.

Drill: *See*—
Rock drill.
Drill blades, Manufacturing thin. H. W. Pleister. 1,628,684; May 17.
Drill-heating furnace. H. K. Fox. 1,628,964; May 17.
Drills, Work-holding device for multiple spindle. H. V. Ludwick. 1,628,729; May 17.
Drinking attachment. P. D. Padgett. 1,629,358; May 17.
Drive mechanism, Friction. A. A. Dennis. 1,629,452; May 17.
Dust receiver. F. H. Willcox. 1,629,244; May 17.
Electric circuits, Protective device for. C. J. Saxtell. 1,629,332; May 17.
Electric contact plug. E. C. Pénin. 1,628,683; May 17.
Electric-discharge device, Low-impedance. H. C. Snook. 1,629,009; May 17.
Electric fixtures, Handle for assembling parts of. H. T. Paiste. 1,629,405; May 17.
Electric jump-spark coil. C. H. Thordarson. 1,629,132; May 17.
Electric-light bracket. W. S. Snow. Des. 72,686; May 17.
Electric machines, Rotor for dynamo-. F. Lasslo. 1,629,081; May 17.
Electric signaling and indicating apparatus. H. M. Proud. 1,629,049; May 17.
Electric switch. W. Ile. 1,628,884; May 17.
Electric vaporizer. M. Katzman. 1,628,784; May 17.
Electrical apparatus, Winding for. K. K. Paluev. 1,629,462; May 17.
Electrical connecter. F. L. Weaver and M. F. Campion, 1,629,189; May 17.
Electrical machinery, Magnetic core for. W. E. Ruder. 1,629,311; May 17.
Electrical network. K. S. Johnson. 1,628,983; May 17.
Electrical vibrator. F. C. Perrem. 1,628,802; May 17.
Electrode holder. C. F. Short. 1,628,926; May 17.
Electrolocomotives, Driving means for. H. Dollmann. 1,629,206; May 17.
Electrolytic rectifier. L. J. Keeler. 1,628,785; May 17.
Electromagnetic brake. R. V. Morse. 1,629,084; May 17.
Electromagnetic device. H. C. Harrison. 1,628,666; May 17.
Electron-discharge device. R. I. Hulsizer. 1,628,982; May 17.
Electron-discharge device. A. Navrogenis. 1,629,171; May 17.
Electron-discharge device. V. L. Ronci. 1,628,999; May 17.
Electroresponsive apparatus. H. A. Thompson. 1,629,011; May 17.
Elevator: *See*—
Truck elevator.
Elevator gate. I. M. Poston. 1,629,048; May 17.
Endless-belt conveyers, Carrier for. F. E. Smith. 1,629,054; May 17.
Energy transformers, Automatic regulator for. R. E. Hersey. 1,628,978; May 17.
Engine: *See*—
Internal-combustion engine.
Engine hood. F. E. Moskovics. Des. 72,677; May 17.
Engines, Abstraction of lubricating oil from the oil vapor in crank cases of Diesel. R. Traill and R. Strachan. 1,628,932; May 17.
Engines and motor vehicles, Starting gear for fixed explosive motor. A. de Changy. 1,628,710; May 17.
Engines, Heat retainer for. J. B. Kitch. 1,629,394; May 17.
Engines, High-pressure pump for Diesel. H. I. A. Dorner. 1,628,657; May 17.
Engines, Lubricating internal-combustion. A. E. Becker. 1,28,647; May 17.
Engines, Lubricating means for internal-combustion. P. A. Tanner and F. T. Irgens. 1,628,755; May 17.
Envelope feeder. C. L. Post. 1,629,450; May 17.
Extractor: *See*—
Sinew extractor.
Fabric: *See*—
Waterproof abrasive fabric.
Fabric covered strip material and making the same. A. E. Falor. 1,628,832; May 17.
Facial wrinkle-removing device. H. A. Skinner. 1,629,460; May 17.
Fastening device. W. Maier. 1,629,113; May 17.
Faucet bulb connection. C. E. Morris. 1,628,733; May 17.
Faucet, Compression. W. G. Stewart. 1,628,689; May 17.
Feeder, Automatic. C. E. Bennett. 1,629,334; May 17.
Fencepost and bracing means therefor. A. W. Andrews. 1,628,645; May 17.
Fertilizer or straw spreader. W. E. Bruce. 1,628,871; May 17.
Fibers for spinning purposes, Treating. L. Ubbelohde. 1,629,241; May 17.
Film-developing holder. E. B. Mabee. 1,629,285; May 17.
Film take-up device with brake. F. E. Garbutt. 1,629,029; May 17.
Film-tensioning mechanism having individual spools, Automatic. F. E. Carbutt. 1,629,030; May 17.
Filter. E. Robertson. 1,629,085; May 17.
Filter. S. L. Smith. 1,629,418; May 17.
Filter, Water. V. B. Haag. 1,629,269; May 17.
Firearm. C. A. Nelson. 1,628,798; May 17.
Fire box. H. G. Trimble. 1,629,012; May 17.
Fire-fighter, Prairie. H. B. Morter. 1,629,044; May 17.
Fireplace. S. Mogyorós and S. Visi. 1,629,223; May 17.
Fires, Apparatus for extinguishing. O. R. Erwin. 1,629,027; May 17.
Fish-cutting machine. H. E. Bergen. 1,628,765; May 17.
Fish eviscerator. J. A. Gray. 1,628,968; May 17.
Fish-tape puller. W. Rose. 1,628,744; May 17.
Flatiron handle. J. W. Custer. 1,629,260; May 17.
Floor construction, Nonslip. F. J. Tone. 1,629,185; May 17.
Floor drain and back pressure water trap, Combined. W. V. Bulman. 1,629,457; May 17.
Floor-scrubbing machine. W. S. Finnell. 1,628,770; May 17.
Floral support. F. D. MacDonald. 1,629,112; May 17.
Flow boxes, Mixer for Fourdrinier. A. Aldrich. 1,629,088; May 17.
Fluid-operated motor. A. H. Katterjohn. 1,629,035; May 17.
Fluid-operated motor. W. G. Naismith. 1,629,226; May 17.
Fluids, Tap for. C. S. Phillips. 1,629,303; May 17.
Flying apparatus. R. A. Bibard. 1,629,198; May 17.
Folder, Production of. M. Höiken, sr. 1,629,077; May 17.
Folding table. H. J. Gilbert. 1,628,773; May 17.
Food-containing materials, Apparatus for treating. A. M. Klein. 1,628,850; May 17.
Fountain comb. A. H. Johnson. 1,629,389; May 17.
Fourdrinier machines, Shaker mounting for. A. Aldrich. 1,629,087; May 17.
Fowl catcher. T. Peppard. 1,629,046; May 17.
Frame: *See*—
Motor-vehicle frame. Vehicle frame.
Spinning frame.
Fruit and the like, Composition for treating. E. M. Brogden. 1,628,945; May 17.
Frying pan and saucepan and such like vessel. E. M. Bolton. 1,628,641; May 17.
Furnace: *See*—
Blast furnace. Electric furnace.
Drill-heating furnace. Regenerative furnace.
Furnace. O. de Lorenzi. 1,629,447; May 17.
Furnace radiator, Warm-air-. H. Jaegler. 1,628,780; May 17.
Furnaces, Operating electric. S. Arnold, 3d. 1,629,196; May 17.
Fuse medium. F. A. Feldkamp. 1,629,266; May 17.
Fusible element. D. N. Hicok. 1,629,102; May 17.
Game apparatus. S. Hisanosuke. 1,629,383; May 17.
Game apparatus. S. Hummerson. 1,629,386; May 17.
Game, Football. T. A. Link. 1,629,398; May 17.
Garment presser and creaser. V. A. Stevens. 1,629,280; May 17.
Gas and oil separator, Deep-well. K. P. Neilsen. 1,628,900; May 17.
Gas-burner control. E. H. Ryon. 1,629,228; May 17.
Gas-generating apparatus. L. P. Sebille. 1,629,125; May 17.
Gas heater. E. R. Holland. 1,629,384; May 17.
Gas-meter mechanism. W. A. Gaugh. 1,629,031; May 17.
Gate: *See*—
Elevator gate.
Gate. C. G. White. 1,628,703; May 17.
Gauge: *See*—
Micrometer gauge. Terminal difference gauge.
Pin gauge.
Gauge. J. G. Weller. 1,629,426; May 17.
Gauge-glass and feed-glass protection. J. Ludwin and A. Howard. 1,629,348; May 17.
Gear, Draft. W. J. Regan. 1,629,307; May 17.
Gear unit, Draft-. J. M. Waugh. 1,628,758; May 17.
Gears, Machine for generating. N. Trbojevich. 1,628,864; May 17.
Generator: *See*—
Oscillation generator.
Glass-fabricating apparatus. W. J. Miller. 1,629,455; May 17.
Glass into mold charges, Apparatus for separating molten. K. E. Peller. 1,629,400; May 17.
Glazing and glazing strip. S. B. Zimmer. 1,628,705; May 17.
Golf-bag carrier. F. Frisk. 1,628,771; May 17.
Grader. E. C. Gledhill. Re16,624; May 17.
Grains, Apparatus for treating. L. J. Puls. 1,629,050; May 17.
Grate housing. L. B. Zilar. 1,629,193; May 17.
Grating structure, Continuous-. W. A. Van Hoffen. 1,629,134; May 17.
Grease gun, High-pressure vacuum. M. A. Frank. 1,628,834; May 17.
Grease retainer. R. Witkovski. 1,629,050; May 17.
Grinding device. W. Storck. 1,628,753; May 17.
Grinding mills, Feed regulator for. J. S. Buckalter. 1,629,377; May 17.
Grouting. A. E. Troiel. 1,628,933; May 17.
Gum, Chewing. W. H. Berg, R. C. Whitman, and E. F. Asb. 1,629,461; May 17.
Gun barrel. C. L. Medearis. 1,628,896; May 17.
Gutter hanger. M. Rachlin. 1,629,305; May 17.
Hammer or the like. R. W. Mills. 1,628,897; May 17.
Handle: *See*—
Door-closing handle. Flatiron handle.
Handwheel. H. D. Geyer. 1,629,075; May 17.
Hanger: *See*—
Gutter hanger.

Harrow. M. C. Myers. 1,629,356; May 17.
Harrow. J. Nordstog. 1,628,799; May 17.
Harvester. L. Carter. 1,628,948; May 17.
Harvester. H. B. Johnson. 1,629,215; May 17.
Harvester, Tobacco. J. C. Trulove. 1,629,422; May 17.
Harvesters, Knotter-cam oiler for. W. Webber. 1,629,190; May 17.
Hat, Self-conforming straw. F. G. Phelps. 1,629,176; May 17.
Hay-bunching rake. E. F. Halliday. 1,628,971; May 17.
Head covering. M. R. Artau. 1,629,062; May 17.
Headlight-control switch. E. and H. Lewis. 1,629,397; May 17.
Headlight, Locomotive. J. R. Townsend. 1,628,862; May 17.
Hearses, Inner receptacle for. W. and A. E. Livingston. 1,628,893; May 17.
Heater: *See*—
Crank-case heater. Gas heater.
Heater. F. P. Muehlenbeck. 1,629,116; May 17.
Heater for automobiles. J. W. Kelch and J. J. Sunday. 1,628,671; May 17.
Heater for automobiles. J. J. Sunday. 1,628,691; May 17.
Heating, Apparatus for central. H. Moreau. 1,629,043; May 17.
Heating apparatus, Water-. O. C. Grutter. 1,628,664; May 17.
Heating stove using liquid vaporizing fuel. H. C. Hanson. Re16,625; May 17.
Heating unit. K. Ebrgott. 1,628,875; May 17.
Heating unit, Electric. K. Ehrgott. 1,628,876; May 17.
Heating unit, Electric. J. C. Woodson. 1,628,868; May 17.
Highway construction. D. L. Turner and J. P. Hallihan. 1,628,934; May 17.
Hi-li basket. D. I. Abrahams. Des. 72,656; May 17.
Hinge, Bracket. D. D. Swem. 1,629,183; May 17.
Hoe. A. H. Rogers. 1,629,415; May 17.
Hoisting mechanism. G. T. Ronk. 1,628,916; May 17.
Holder and case, Article. J. McGrevy. 1,629,040; May 17.
Hollow annular article, Making. J. J. Callahan and F. C. Rogers. 1,628,821; May 17.
Hollow-expansible elements, Method of and apparatus for charging. H. T. Patton. 1,629,174; May 17.
Hook: *See*—
Swing hook.
Hook device. C. W. Dake. 1,629,438; May 17.
Horseshoe, P. F. Meade. 1,629,083; May 17.
Hose fastener. B. W. Bennett. 1,729,431; May 17.
Hot-plate auto cooker. C. W. Daly. 1,629,094; May 17.
House: *See*—
Amusement house.
Housing, Rotatable block. L. E. Hansen. 1,628,972; May 17.
Humidity regulator. A. E. Krick. 1,629,107; May 17.
Hydrocarbons, Controlling the combustion of. J. L. Breese, jr. 1,629,253; May 17.
Hydrogen sulphide from coal or water gases, Removing. W. E. Leuchtenberg. 1,629,396; May 17.
Hydrometer units, Attachment for. L. S. Brach. 1,629,434; May 17.
Hyperchromatic objective. A. Polack. 1,629,361; May 17.
Ice-cream-cone wrapper and carrier. C. E. Fritzsche. 1,628,718; May 17.
Ice-cream machinery. G. H. White. 1,628,941; May 17.
Ignition systems and the like, Commutating mechanism for. T. P. Nickell and W. H. Rodefeld. 1,628,902; May 17.
Illuminating device. E. M. Mabee. 1,629,284; May 17.
Implement hitch. S. K. Dennis. 1,629,153; May 17.
Index tab. H. E. Hubbard. 1,629033; May 17.
Indicator: *See*—
Maneuver indicator.
Inkwell, Automatically closing. O. N. Kelly. 1,628,786; May 17.
Inner tube. W. J. Bowman. 1,628,642; May 17.
Insulating material. A. R. Kemp. 1,628,986; May 17.
Insulation construction for containers. J. S. Carroll. 1,629,255; May 17.
Internal combustion engine. C. E. Lucke. 1,629,111; May 17.
Internal-combustion engine. E. H. Maupin. 1,628,894; May 17.
Internal-combustion engine. G. W. Waldo. 1,629,327; May 17.
Invalid support. M. Cathrine. 1,628,949; May 17.
Ironing machine. C. E. Reddig. 1,628,996; May 17.
Jack: *See*—
Lift jack. Pump jack.
Jails, etc., Observation and communication permitting device for. D. F. Youngblood. 1,629,371; May 17.
Jars, Gasket for fruit. S. E. Larson. 1,629,346; May 17.
Keg, Sheet-metal. J. R. Raible. 1,628,686; May 17.
Key-identification device. J. A. Katz. 1,629,343; May 17.
Knife, Fur. K. Reilch. 1,629,412; May 17.
Knitting needle, Latch. H. E. Katzenmoyer. 1,629,454; May 17.
Lace. A. E. Newton. Des. 72,678–80; May 17.
Lace, Embroidered. H. Schwarber. Des. 72,683; May 17.
Lamp, Inclosed arc. A. Ruttenauer. 1,629,313; May 17.
Lamp shade. J. Jacoby and B. Wieczorkiewicz. Des. 72,673; May 17.
Lamp socket. O. West. 1,629,243; May 17.
Lamp with inclosed arc, Flame arc. T. L. Carbone. 1,629,254; May 17.
Lamps, Explosion-proof fitting for electric glow. J. Beckmann. 1,629,089; May 10.
Latch, Door. M. M. Dudas. 1,629,379; May 17.
Leaching method and apparatus. A. B. Kennedy. 1,628,787; May 17.
Lever lock. A Meer. 1,628,781; May 17.
Lever-top can. R. O. Geary. 1,629,441; May 17.
Lift jack, Double. J. W. Bate. 1,629,140; May 17.
Light: *See*—
Parking light.
Lighting fixture, Side-wall. R. W. Schweiker. Des. 72,684; May 17.
Lingerie clasp. E. M. Fletcher. 1,628,962; May 17.
Liquid and gas mixer. A. W. Morse. 1,629,288; May 17.
Liquid dispenser. F. B. Lomax. 1,628,858; May 17.
Liquid-fuel-burning apparatus. G. E. Goodridge. 1,629,032; May 17.
Liquid-fuel-supply control, System of. G. P. Haynes. 1,629,463; May 17.
Loading machine. J. F. Joy. 1,628,985; May 17.
Lock: *See*—
Coin-controlled lock. Loom-beam lock.
Cylinder lock. Permutation lock.
Lever lock. Tire lock.
Lock. M. Sheinman. 1,628,750; May 17.
Lock-attaching means. S. Hammer. 1,629,270; May 17.
Locking device. J. F. Raleigh. 1,628,740; May 17.
Locomotive bed and steam passage. W. M. Sheehan. 1,629,316; May 17.
Locomotive, Triple-expansion Mallet. S. M. Vauclain. 1,629,369–70; May 17.
Locomotives, Steam superheater for. I. A. Selders. 1,629,005; May 17.
Loom-beam lock. O. M. Dawson. 1,628,709; May 17.
Loom counter. J. M. Davis. 1,629,023; May 17.
Loom picker check. N. W. Brannon. 1,629,446; May 17.
Looms, Balanced let-off for. W. H. Wakefield. 1,628,815; May 17.
Looms, Weft detector for. A. J. Chevrette. 1,628,824; May 17.
Lubricant and making the same. A. E. Becker. 1,628,046; May 17.
Machine for drilling drawing dies. S. Loewenherz and M. Stockmayer. 1,629,220; May 17.
Mail box. J. and H. C. Helm. 1,628,881; May 17.
Mailing machines, Moistening device for. L. J. Zahn. 1,629,186; May 17.
Maneuver indicator. F. Ruspoli. 1,629,227; May 17.
Map or display rail. J. C. Steinkraus. 1,628,860; May 17.
Marker block. C. C. Schrader. 1,629,053; May 17.
Mat for revetment work and making same. S. S. Scott. 1,629,315; May 17.
Match book. L. Greenbaum and E Van Hopstadt. 1,628,661; May 17.
Measuring device, Handy. C. J. Johnson. 1,629,106; May 17.
Meat chopper. M. A. Rollman. 1,628,998; May 17.
Medical apparatus for the treatment of the intestines. A. Klaiber. 1,628,849; May 17.
Medicinal purposes, Powder-applying device for. D. T. Horton. 1,628,843; May 17.
Medicines, Cover for curative. V. Pellegrino. 1,629,297; May 17.
Memorandum appliance. W. L. Jenkins. 1,629,459; May 17.
Menthol, Manufacturing. K. Schöllkopf. 1,629,002; May 17.
Metal elements, Apparatus for forming. R. S. Smith. 1,628,751; May 17.
Metal fabrics, Tool for bending. C. W. Hawthorne. 1,628,976; May 17.
Metal surfaces, Composition for and coating. R. R. Danielson. 1,629,072; May 17.
Micrometer gauge. J. W. Parker. 1,629,406; May 17.
Milking-machine teat-cup inflations, Ring inserter for. T. N. Drummond. 1,629,207; May 17.
Milling attachment. O. Hawkins. 1,628,975; May 17.
Minerals from ores by the use of sulphones, as flotation reagents, Concentration of. F. Laist and F. F. Frick. 1,629,080; May 17.
Mirror, Automobile. B. Jassen. 1,629,458; May 17.
Molybdenum trioxide and tungsten trioxide, Production of. R. Schwarzkopf. 1,629,004; May 17.
Money, Cleaning and pressing paper. G. W. Leightlitner. 1,629,038; May 17.
Monoammonium phosphate, Making. E. L. Larison, F. F. Frick, and R. J. Caro. 1,628,792; May 17.
Mop, Fountain. L. Doak. 1,628,956; May 17.
Mop, Wash. A. C. Kootz. 1,628,789; May 17.
Motor: *See*—
Air motor. Fluid-operated motor.
Motor bracket. E. Mross and W. Ernst. 1,628,855; May 17.
Motor-vehicle frame. A. T. Sturt and W. F. Pfander. 1,629,234; May 17.
Muffler and motor vehicle frame. A. T. Sturt and W. F. Pfander. 1,629,235; May 17.
Multigraph signature plates, Attaching means for. H. T. Buck. 1,629,376; May 17.
Music, Device for teaching time in. L. W. Scutt. 1,628,688; May 17.
Nail-sorting device. O. H. Hovda. 1,629,385; May 17.
Necktie. H. F. Waters. 1,628,700; May 17.

Needle, Latch. E. C. Kennedy. 1,629,275; May 17.
Novelty device, Air-propelled. L. M. Mayo. 1,628,796; May 17.
Nozzle, Self-flushing atomizing. T. Chester and W. MacMichael. 1,628,823; May 17.
Oil-burner-control mechanism. E. L. Wells. 1,629,191; May 17.
Oil burners, Gas control for. H. S. Blake. 1,629,251; May 17.
Oil-circulating system. F. Hungate. 1,629,340; May 17.
Oil filter. J. W. De Pries. 1,628,955; May 17.
Oils, Continuous process of treating. O. J. Salisbury. 1,628,747; May 17.
Oscillation generator. J. C. Schelleng. 1,629,001; May 17.
Outlet-box connection. A. C. Fischer. 1,629,267; May 17.
Packaging machine. J. C. Pinter. 1,628,803; May 17.
Packing, Forming metallic. H. P. Rhodes. 1,629,051; May 17.
Padlock, Sealed. A. C. Jackson. 1,629,388; May 17.
Pail holder. W. W. Haertel. 1,628,722; May 17.
Pan: *See*—
Baking pan.
Paper napkins, towels, and the like, Packages of. P. H. Horwitt. 1,628,981; May 17.
Paper weight. R. A. Riddle. 1,629,414; May 17.
Papers, Treating waxed and printed. P. H. Todd. 1,628,931; May 17.
Parking light. J. A. Pellegrini. 1,629,456; May 17.
Partition unit and construction. U. C. Thies. 1,629,367; May 17.
Pavement-finishing machine, Concrete-. O. L. Kipp. 1,629,276; May 17.
Paving block and tile. W. T. Bonner and J. W. Thropp. 1,629,433; May 17.
Pencil, Mechanical. B. Avakian. 1,628,639; May 17.
Pencil with external feed, Lead. C. F. Hartman. 1,628,974; May 17.
Permutation lock. F. De Curtis. 1,628,712; May 17.
Permutation lock. G. M. Thomas. 1,629,239; May 17.
Photo-electric device. T. W. Case. 1,628,822; May 17.
Pianos, organs, and the like, Transposing mechanism for. O. Richards. 1,628,052; May 17.
Picture. C. Baldwin. 1,628,640; May 17.
Picture films, Apparatus for handling motion-. V. C. de Ybarrondo. 1,629,097; May 17.
Picture films, Pneumatic pulley for motion-. V. C. de Ybarrondo. 1,629,154; May 17.
Picture machines, Slot cleaner for motion-. L. de Forest. 1,629,152; May 17.
Picture machines, Synchronizing mechanism for talking and motion-. V. Bouza. 1,629,252; May 17.
Pie-cutting guide. M. C. Hughes. 1,629,164; May 17.
Pie-rolling machine. J. W. Denmead. 1,628,828; May 17.
Pile fabric. J. Leiper. Des. 72,675; May 17.
Pin gauge, Adjustable. P. D. Ritchey and R. A. Holt. 1,628,741; May 17.
Pipe. A. F. Bittner. 1,628,649; May 17.
Piston construction. C. A. Carlson. 1,628,652; May 17.
Pistons, Balancing. C. W. Van Ranst. 1,629,445; May 17.
Pitter, Combination peach. A. V. Sullivan. 1,629,131; May 17.
Planing tool. C. G. Krook. 1,628,791; May 17.
Plans, charts, maps, and the like, Device for graphically indicating information on. J. H. A. Morichard. 1,628,677; May 17.
Plastic material, Apparatus for forming and cutting. J. R. Gammeter. 1,628,836; May 17.
Plastic sheet or slab. N. E. Newman. 1,628,681; May 17.
Plate and sheet trimming and squaring machine, Automatic. F. H. Streine. 1,629,233; May 17.
Plug, Connection. M. J. Wohl and M. Mayer. 1,629,086; May 17.
Plywood, Molded. R. P. Jackson, G. C. Kent, and E. J. Casselman. 1,628,886; May 17.
Post: *See*—
Railway bumping post.
Potato-chip machine, Automatic. F. L. Morrow. 1,629,355; May 17.
Potato cutter and planter. P. Israelson. 1,628,779; May 17.
Power spring, Flat spiral. A. S. Howell. 1,628,668; May 17.
Preserve containers, Device for effecting a sterile closure for. E. Pause. 1,629,359; May 17.
Press: *See*—
Die press. Printing press.
Press. F. Thevoz. 1,629,010; May 17.
Presses, Gripper-tensioning mechanism for. F. S. English. 1,628,768; May 17.
Presses, Cylinder-stripping device for multicylinder. F. S. English and T. L. Perry. 1,628,959; May 17.
Presses, Gripper-tensioning mechanism for. F. S. English and T. L. Perry. 1,628,960; May 17.
Pressing machine. A. B. Clisson. 1,629,091; May 17.
Pressing machine. J. P. Daly. 1,629,071; May 17.
Pressure-regulating apparatus. W. C. Shield. 1,628,859; May 17.
Printing device, Rotary. F. W. Storck. 1,629,130; May 17.
Printing machine, Intaglio. A. M. Zuckerman. 1,629,137; May 17.
Printing press, Platen. P. Wieghardt. 1,628,816; May 17.
Program transmission, Subscriber's equipment for. J. F. Toomey. 1,628,695; May 17.
Projector, Light. F. A. Benford. 1,629,333; May 17.
Puller: *See*—
Combination puller. Flsh-tape puller.
Pump and making same, Composition for use in making sulphate or kraft. H. B. Kipper. 1,629,393; May 17.
Pulverizer, Farm. J. A. Eastes. 1,628,874; May 17.
Pump, P. S. Russel and D. M. Boyd. 1,629,121; May 17.
Pump, Bather's. N. Weller. 1,628,866; May 17.
Pump, compressor, or the like. B. Conklin. 1,629,202; May 17.
Pump for elevating and dispensing liquids. F. W. Mitchell. 1,629,115; May 17.
Pump governor. W. Fletcher. 1,629,073; May 17.
Pump, Hydraulic. H. F. Benson. 1,629,141; May 17.
Pump jack. E. R. Thomas and P. E. Langstt. 1,628,692; May 17.
Pump jack. W. E. Wentworth. 1,628,702; May 17.
Pump, Magnetic. W. Werner. 1,629,329; May 17.
Pump, Multistage centrifugal. A. Hollander. 1,628,841; May 17.
Pump plunger. G. A. Humason. 1,629,034; May 17.
Pump-plunger assembly. K. P. Neilsen. 1,628,901; May 17.
Pump, Rotary. J. Klinge. 1,628,888; May 17.
Pumping liquids, Apparatus for. E. R. Wolcott. 1,628,943; May 17.
Punching bags and the like, Double swivel hanger and support for. W. R. Harley. 1,628,973; May 17.
Pyjama pants. A. Lefkowitz. 1,628,891; May 17.
Rack: *See*—
Card rack.
Racket case. E. C. and I. C. Hoover. 1,629,105; May 17.
Radiator. A. P. Eckhart. 1,629,440; May 17.
Radiator cover. L. A. Guillemet. 1,628,774; May 17.
Radiator protector. L. G. Klenck, jr. 1,629,216; May 17.
Radiator, Thermosiphon. L. V. Pence. 1,629,298; May 17.
Radio fire-alarm system. H. Garrett. 1,629,337; May 17.
Radioreceivers, Time-control mechanism for. R. B. Schultheis. 1,628,810; May 17.
Radiotelegraphic station. J. Bethenod. 1,628,648; May 17.
Rail-holding device. C. P. Kimmel. 1,629,344; May 17.
Railroad grass-line and ditch cutter. W. H. Rednour. 1,628,805; May 17.
Railway bumping post. A. E. Schultz. 1,629,124; May 17.
Railway-crossing gates, Yieldable barrier for automatic. J. R. Burress. 1,628,651; May 17.
Railway signal, Automatic. R. Gross. 1,628,663; May 17.
Railway signal, Illuminated. C. H. W. Edmonds. 1,628,714; May 17.
Railway traffic controlling apparatus. H. A. Wallace. 1,629,187; May 17.
Railways, Third-rail electric-current feeding system for electric. A. Doan. 1,629,025; May 17.
Rake: *See*—
Hay-bunching rake.
Rake. R. C. Orren. 1,628,994; May 17.
Ratchet threading tool. W. W. Vosper. 1,628,757; May 17.
Razor, Safety. J. and M. Roman. 1,629,416; May 17.
Reciprocating bolt, Automatic. E. Ruff and E. C. L. Bailey. 1,628,808; May 17.
Recording machine. J. F. Kiely. 1,629,078; May 17.
Reel: *See*—
Ribbon reel.
Reflector and glare shield, Slight. C. Zartman. 1,628,704; May 17.
Refractory lining. R. B. Pogue. 1,629,047; May 17.
Refrigerating apparatus. C. R. Bushnell. 1,628,820; May 17.
Refrigerating apparatus, Compressor for. F. E. Wright. 1,628,944; May 17.
Refrigerator door. A. R. Peacock. 1,629,408; May 17.
Regenerative furnace. A. W. Soderberg. 1,629,056; May 17.
Register senders, Testing device for testing. J. B. Retallack. 1,628,997; May 17.
Regulator: *See*—
Draft regulator. Window regulator.
Humidity regulator.
Resistor supporting means. G. E. Shawk. 1,628,858; May 17.
Relay. R. E. Hall. 1,628,723; May 17.
Ribbon reel. J. S. May. 1,628,795; May 17.
Rim. C. J. Rabidoux and W. M. Elnhorn. 1,629,411; May 17.
Rock drill. F. M. Slater. 1,629,179; May 17.
Rod: *See*—
Stair rod.
Roofing. S. K. Milligan. 1,629,287; May 17.
Rope, Jumping. W. Fairbanks. 1,629,209; May 17.
Rubber and apparatus therefor, Masticating of. H. C. Young and H. C. Burr. 1,628,869; May 17.
Rubber ball. J. B. Flowers. 1,628,717; May 17.
Rubber refiners, Unloading device for. R. S. Trowbridge. 1,629,240; May 17.
Sanitary napkin. End-locked. R. W. Johnson. 1,629,390; May 17.
Sash construction, Window. C. M. Gibson. 1,629,076; May 17.
Safety switch. A. E. Griswold. 1,629,158; May 17.
Sausage stuffer. E. W. Knowlton. 1,628,726; May 17.

Sawmills, Transfer table for. C. Mosen and W. J. Coleman. 1,629,225; May 17.
Saxophone. W. F. Gemeinhardt. 1,628,719; May 17.
Scale. L. Jaenichen. 1,628,781; May 17.
Scale, Recording. B. MacNutt. 1,629,221; May 17.
Scissors, shears, etc., and cutters therefor, Composite blade for. I. Patrick. 1,628,856; May 17.
Scoring machine, Multiple. N. E. Newman. 1,628,680; May 17.
Scraper, Four-wheeled. A. R. Van Alstine. 1,629,242; May 17.
Screw and gear making apparatus. H. J. Schmick. 1,629,123; May 17.
Screw making and turning lathes, Lubrication for. L. K. Braren. 1,629,451; May 17.
Seat: *See*—
Water-closet seat.
Seed or fertilizer distributing machine. J. G. Bailey. 1,629,247; May 17.
Serving material upon a core, Method and apparatus for. H. R. Massingham. 1,629,168; May 17.
Serving material to a core, Method and apparatus for. H. R. Massingham. 1,629,169; May 17.
Sewing machine. E. B. Allen. 1,629,139; May 17.
Sewing machines, Automatic stop mechanism for. J. Boston. 1,629,090; May 17.
Shade holder. J. R. Townsend. 1,628,863; May 17.
Shank reenforcement. R. J. Griesedieck. 1,628,969; May 17.
Shaped articles of set plastic material, Manufacture of. O. E. Roberts, jr. 1,628,807; May 17.
Sharpener, Drill. A. E. Peters. 1,629,175; May 17.
Sharpening mechanism, Blade-. C. A. Strand. 1,628,754; May 17.
Sheet-feeding control means. C. L. Post. 1,629,118; May 17.
Sheet-feeding mechanism. L. R. Tufts. 1,629,444; May 17.
Sheet lead, Reenforced. G. H. Worrall, 1,628,759; May 17.
Shingle, Strip. L. Busha. 1,629,146; May 17.
Ships, Propelling mechanism for. F. Gebers. 1,628,837; May 17.
Shock absorber. A. B. Shults and A. B. Casper. 1,628,811; May 17.
Shoe. M. Siegel. Des. 72,685; May 17.
Shoe. A. M. Rohrer. 1,628,743; May 17.
Shoe. T. Torio. 1,629,325; May 17.
Shoe-display form. W. L. C. Niles. 1,628,734; May 17.
Shoe last. V. V. Pessemier. 1,629,299; May 17.
Shoes, Apparatus for cementing soles to. L. P. Taylor. 1,628,861; May 17.
Shovel: *See*—
Snow shovel.
Shredding machine. A. R. Adamson. 1,629,138; May 17.
Sickle. J. C. Zeller. 1,629,428; May 17.
Sign. E. Sharp, jr. 1,629,229; May 17.
Sign, Illuminated. S. A. Rice. 1,628,912; May 17.
Signal: *See*—
Automobile signal. Railway signal.
Automobile semaphore signal. Traffic signal.
Signaling device. M. Goldman and R. Karaban. 1,629,380; May 17.
Signaling device. C. Taylor. 1,628,756; May 17.
Signaling system. A. M. Curtis. 1,629,093; May 17.
Sighting device. J. B. Henderson. 1,628,776; May 17.
Silver from photographer's spent hyposulphite solution, Process and apparatus for recovering. E. K. Giffen. 1,629,212; May 17.
Sinew extractor. J. A. MacDonald. 1,629,349; May 17.
Siphon and like recorder. J. Riddle. 1,628,918; May 17.
Sled brake. J. V. Tobin. 1,628,693; May 17.
Sleeves and associating them with articles, Apparatus for forming. G. L. Matthias and W. D. Kmentt. 1,629,170; May 17.
Snow-melting apparatus. V. I. Heermance. 1,629,160; May 17.
Snowplow. L. Isbell. 1,629,341; May 17.
Snow shovel. G. J. Janosko. 1,628,782; May 17.
Socket and plug connection. F. S. Hyatt. 1,629,166; May 17.
Socket member. W. W. Largent and C. A. Stiles. 1,629,217; May 17.
Soil fitting. D. L. Ernst. 1,629,208; May 17.
Soot, Removing. J. L. Breese jr. 1,628,643; May 17.
Sound vibrations, System for location of a source of. J. Mills. 1,628,992; May 17.
Spark plug. W. G. Clayton. 1,628,825; May 17.
Spark-plug tester. W. G. Williams. 1,628,942; May 17.
Spark plugs, Tool for adjusting points of. V. P. Rumely. 1,629,000; May 17.
Speed changer. H. J. Smith. 1,629,180; May 17.
Speed mechanism Variable. J. H. Wells. 1,628,939; May 17.
Spike retainer. H. O. Crippen. 1,628,056; May 17.
Spindle of flier spinning, roving, and analogous machines. W. Prince-Smith and J. Robinson. 1,629,365; May 17.
Spinning frame, Ring. E. Stubbs. 1,629,366; May 17.
Spinning machine. F. K. Hendrickson. 1,628,778; May 17.
Spinning machines, Twisting head for. S. H. Helland. 1,628,775; May 17.
Spinning, twisting, and like machines, Lappet and thread guide of. N. Cook. 1,629,069; May 17.
Splitting machines, Knife for. J. J. Heys and A. R. Braden. 1,628,840; May 17.
Sponge-rubber articles, Continuous producing. F. V. Wedlock. 1,629,013; May 17.
Sponge-rubber articles, Utilizing flexible molds for producing. H. M. Hood. 1,628,979; May 17.
Spoon or similar article. G. N. Allen. Des. 72,657; May 17.
Spoon or similar artice, R. L. Danks and M. L. Baker. Des. 72,669; May 17.
Spraying apparatus. C. L. Burdick. 1,629,144; May 17.
Spreader tool. J. L. Buchanan. 1,628,650; May 17.
Spring: *See*—
Power spring.
Spring and recoil check. A. S. Samuels. 1,628,749; May 17.
Spring clutch, Multiple-. W. C. Starkey. 1,629,420; May 17.
Spring construction. H. G. Lord. 1,629,399; May 17.
Spring structure, Upholstered box-. E. H. Hebenstreit. 1,628,977; May 17.
Sprinkler and rotor element therefor. L. Olschewski. 1,628,993; May 17.
Stabilizing device. A. A. Ewald. 1,629,265; May 17.
Stacker. P. B. Johnson. 1,628,725; May 17.
Stair rod. J. Gronroos. 1,628,662; May 17.
Stalk cutter. J. A. McKay and P. H. Lynch. 1,628,730; May 17.
Stand: *See*—
Swing stand.
Stapling tags to articles. R. B. Kingman. 1,628,848; May 17.
Steam-power plants, Steam-condensing and boiler-water-supply apparatus of. H. Fothergill and H. Hillier. 1,629,028; May 17.
Steering mechanism, Road-vehicle. J. M. Larsh. 1,628,851; May 17.
Stills, Condenser for. E. V. Oliver. 1,628,736–7; May 17.
Stoker, Underfeed. E. Lundgren. 1,629,282–3; May 17.
Storage plant to preserve by nature. J. B. Killion. 1,629,392; May 17.
Stoves, Air-deflecting means for closed-top-burner chambers of gas. J. C. Weisman. 1,628,701; May 17.
Stoves or the like, Section for. G. A. Aronson. 1,629,245; May 17.
Strainer. C. J. Coberly. 1,629,018; May 17.
Strap: *See*—
Watch strap.
Sulphite liquors, Making ligno-tanning material from waste. V. Drewsen. 1,629,448; May 17.
Sulphur burner. H. F. Merriam. 1,629,352; May 17.
Sulphur mining. A. T. Drachenberg. 1,628,873; May 17.
Sundial. S. Terras. 1,629,238; May 17.
Superhighway. D. L. Turner and J. P. Hallihan. 1,628,935; May 17.
Support. A. Allen. 1,629,430; May 17.
Surveying instruments, Microscope attachment for. E. W. Arms. 1,629,373; May 17.
Swab or dauber. P. Capri. 1,629,436; May 17.
Swing hook, Ball-bearing porch-. W. Ross. 1,629,363; May 17.
Swing stand. B. F. Lindsley. 1,629,281; May 17.
Switch: *See*—
Electric switch. Safety switch.
Headlight-control switch.
Switch box. H. K. Krantz. 1,628,889; May 17.
Switch-point guard. P. Hoffman and J. B. Strong. 1,628,882; May 17.
Switching device. D. D. Miller. 1,628,991; May 17.
Synchronism in transmission systems, Indicating loss of. E. A. Sperry. 1,629,236; May 17.
Table: *See*—
Folding table.
Table. O. B. Bach. Des. 72659–62; May 17.
Tail-docking machine. K. W. Moore. 1,629,042; May 17.
Talking-machine record. F. L. Dyer. 1,628,658; May 17.
Tanning apparatus. C. J. Glasel. 1,628,966; May 17.
Taping machine. P. L. O'Donnell. 1,628,800; May 17.
Telegraphy, Receiving arrangement for wireless. A. Meissner. 1,628,676; May 17.
Telephone-exchange system. E. R. Smith. 1,629,007; May 17.
Telephone system. W. M. Beaumont and F. A. Bonomi. 1,629,016; May 17.
Telephone system. C. B. Fowler. 1,629,099; May 17.
Telephone system. E. W. Lincoln. 1,629,280; May 17.
Telephone system. E. R. Smith. 1,629,008; May 17.
Telephone system, Wireless. A. Nyman. 1,628,905; May 17.
Telephone transmitter. C. R. Moore. 1,628,898; May 17.
Telescopic apparatus. J. B. Henderson. 1,628,777; May 17.
Temperature, pressure, or now-regulating device. A. Bitzel. 1,629,064; May 17.
Tennis courts, Construction of. J. Neath. 1,628,679; May 17.
Terminal-difference gauge. C. H. Berry. 1,629,063; May 17.
Textile fabric. J. A. Fox. Des. 72,671; May 17.
Textile fabric. E. Kirchhoff. Des. 72,674; May 17.
Textile fabric or similar article. M. Cole. Des. 72,667; May 17.
Textile materials, Drying. H. Krantz. 1,629,167; May 17.
Thawing tank and dumping apparatus, Combined. L. Buehler, jr., and N. M. Small. 1,628,947; May 17.

Therapeutical apparatus. L. Martignoni. 1,628,794; May 17.
Thermionic device and evacuating the same. R. W. King. 1,628,987; May 17.
Thrashing machine. N. J. Noble. 1,629,294; May 17.
Threaded coupling. R. A. Wilson. 1,629,058; May 17.
Tile and concrete floor construction, Combined. G. H. Bugenhagen. 1,628,708; May 17.
Tile, Drying. C. B. Cushwa. 1,629,151; May 17.
Tilting washer. H. F. Keiffer. 1,629,274; May 17.
Time-indicating device. G. H. Brown. 1,628,946; May 17.
Tire, Automobile. P. P. Kostock. 1,628,790; May 17.
Tire carrier. T. H. Lynn. 1,629,039; May 17.
Tire carrier, Spare-. E. J. Lattin. 1,628,728; May 17.
Tire-inflating apparatus. W. C. Stepp. 1,628,813; May 17.
Tire lock, Spare-. D. F. Axelson. 1,629,015; May 17.
Tire patch. E. A. Mueller and C. C. Mueller, jr. 1,629,289; May 17.
Tire patch, Balloon-. J. F. Brady and R. B. Ott. 1,629,335; May 17.
Tire-trimming machine. G. F. Wilson and C. W. Legullon. 1,628,817.
Toilet, Sanitary odorless. J. H. McCall. 1,629,401; May 17.
Tool, Fluid-pressure. E. Penberthy. 1,629,117; May 17.
Tool-holding device. L. Hughes. 1,629,213; May 17.
Top. F. S. Upham. 1,629,326; May 17.
Top, Spinning. W. A. Vinson. 1,629,135; May 17.
Torque arms or the like, Connection for. F. J. Shook. 1,629,178; May 17.
Toy, Flying. A. Mascolo. 1,629,114; May 17.
Toy or doll house construction. F. R. Walker. 1,629,424; May 17.
Toy, Target. S. I. Berger. Des. 72,664; May 17.
Toy water pistol, Celluloid. I. Cohn. 1,629,019; May 17.
Track structure. V. Angerer. 1,629,372; May 17.
Traction wheel. L. E. Slauson. 1,629,126; May 17.
Tractors, Line guide for. C. Woodin. 1,629,014; May 17.
Tractors, Rotary snow-sweeper attachment for. R. Simpson. 1,629,321; May 17.
Traffic motor control, Universal. C. L. Bevan and J. R. Cullen. 1,628,707; May 17.
Traffic signal. L. F. Barnes. 1,628,706; May 17.
Transmission apparatus, Automatic variable-speed. R. Z. Farmer. 1,628,769; May 17.
Transmission system. R. V. L. Hartley. 1,629,100; May 17.
Transportation means, Aerial cable. L. L. Custer. 1,628,827; May 17.
Trap. C. March. 1,629,402; May 17.
Trash burner. R. P. Holman. 1,629,162; May 17.
Traveling bag. B. H. Shwayder. 1,628,812; May 17.
Traverse mechanism. C. E. Linden and G. E. Langen. 1,629,082; May 17.
Treating articles, Apparatus for. H. M. Robertson. 1,628,742; May 17.
Trolley-shoe guard. W. Schaake. 1,628,917; May 17.
Trolley wires, Hanger for. F. A. Tice. 1,629,368; May 17.
Truck bolster. B. Haskell. 1,628,839; May 17.
Truck conveyor. N. H. Preble. 1,628,909; May 17.
Truck, Dump. G. R. Pennington. 1,628,907; May 17.
Truck elevator. W. H. Heise. 1,628,880; May 17.
Trunk. F. H. Langmuir. 1,628,988; May 17.
Tube: *See*—
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Tubes, Apparatus for deflating. H. D. Stevens. 1,629,128; May 17.
Tuning pin hooks and making the same. R. C. Danly. 1,629,095; May 17.
Turbine, Hydraulic. A. Pfau. 1,629,443; May 17.
Turbines, Regulating means for elastic fluid. R. G. Standerwick. 1,629,318–9; May 17.
Typewriting machine. B. C. Stickney. 1,629,129; May 17.
Upholstery plaits, Instrument for inserting continuous bats into. M. J. Stack. 1,628,927; May 17.
Valve, Air. H. Brown and G. R. Uhl. 1,628,819; May 17.
Valve, Automatic shut-off. L. D. Lovekin. 1,628,675; May 17.
Valve, Dry-pipe. L. M. Lewis. 1,628,674; May 17.
Valve for boilers, Inlet. W. M. Cissell. 1,628654; May 17.
Valve, Fuel engine. W. Schenker. 1,629,122; May 17.
Valve-operating device. G. B. Dufield. 1,629,449; May 17.
Valve tappet, Electrically-welded. G. R. Rich. 1,628,911; May 17.
Vaults, Alarm system for. E. G. Lawrence. 1,629,347; May 17.
Vehicle anchorage device. C. A. Goodspeed. 1,628,660; May 17.
Vehicle bodies, Post connection for. L. I. Heintz. 1,629,271; May 17.
Vehicle bodies, Post connection for. A. L. Lambert. 1,629,278; May 17.
Vehicle body, Convertible. C. A. Marwahn. 1,629,403; May 17.
Vehicle frame. W. F. Pfander. 1,629,301; May 17.
Vehicle frame, Motor-. A. T. Sturt. 1,629,320; May 17.
Vehicle, Manually-propelled. T. J. Riley. 1,629,308; May 17.
Vehicle, Motor. W. M. Trout. 1,629,133; May 17.
Vehicle signaling system. M. Juhasz. 1,629,342; May 17.
Vehicle signals, Circuit closer for. E. A. Offet. 1,628,801; May 17.
Vehicle stay block. C. L. Michod. 1,628,854; May 17.
Vehicle, Trackless. H. A. Knox. 1,629,079; May 17.
Vehicles and the like, Top for. F. K. Lewis and C. R. Allen. 1,628,892; May 17.
Vehicles, Coach-work column of. G. Gangloff. 1,629,157; May 17.
Vehicles, Shock-preventing device for. E. Cantono. 1,629,378; May 17.
Vehicles, Weatherproof antitheft attachment for motor. L. W. Wolfson. 1,629,060; May 17.
Veins, Apparatus for the treatment of varicose. S. Lake. 1,629,108; May 17.
Vending machines, Coin-receiving mechanism for. R. B. and L. G. Sherburne and M. Hansen. 1,629,006; May 17.
Ventilator. H. Giese. 1,628,965; May 17.
Vermin-destroying henroost. J. Kyle. 1,629,395; May 17.
Vulcanizer, Electric. M. Murphy. 1,628,899; May 17.
Vulcanizing apparatus, Automatically-controlled, electrically-heated. R. A. Brooks. 1,628,766; May 17.
Wall construction. W. Rokoski. 1,629,310; May 17.
Wardrobe, Foldable. N. M. Robert. 1,629,362; May 17.
Washboard. H. J. Gilbert. 1,628,772; May 17.
Washer: *See*—
Tilting washer.
Washing clothes or other fabrics, Composition for. C. B. Hager. 1,628,970; May 17.
Washing machine. C. T. Kemp and N. E. Ryckman. 1,629,391; May 17.
Washing machine. E. R. Zademach. 1,628,818; May 17.
Washing-machine mechanism. A. G. Larson and E. R. Cooper. 1,629,218; May 17.
Waste-removal apparatus. F. L. Crockett. 1,629,092; May 17.
Watch strap, Wrist-. W. Hankinson and J. J. Knebel. 1,629,339; May 17.
Watches, Manufacturing blank movements of. H. Colomb. 1,629,257; May 17.
Water-closet. O. F. Karlsson. 1,628,887; May 17.
Water-closet seat. S. L. Eastburn. 1,628,830; May 17.
Water-closets, Flush device for. R. Stickdorn. 1,629,421; May 17.
Water-distribution control, Automatic. E. Walker. 1,628,698; May 17.
Waterproof abrasive fabric. F. J. Crupi. 1,629,259; May 17.
Weather strip. J. J. Burroughs. 1,629,017; May 17.
Weather strip. J. G. S. Hall. 1,628,665; May 17.
Weighing device. H. Allison. 1,628,762; May 17.
Welding hollow shafts. C. W. Spicer. 1,629,127; May 17.
Well-drilling apparatus. T. S. Dietle. 1,629,024; May 17.
Well tubing, Automatic catching device for. S. V. Dillon. 1,629,261; May 17.
Well tubing, Catching device for. S. V. Dillon. 1,629,262–3; May 17.
Wheel: *See*—
Traction wheel.
Wheel brake. A. Patus and L. Nagy. 1,629,407; May 17.
Winding machines, Traverse drive for. A. Petersen. 1,629,300; May 17.
Window. J. Vidina. 1,629,186; May 17.
Window-cleaning device. M. Christeler. 1,629,201; May 17.
Window-cleaning device. G. H. and F. H. Hunter. 1,628,669; May 17.
Window-cleaning device. A. C. Jensen, W. Moloney, and G. Biltgen. 1,628,783; May 17.
Window construction. A. Entenman. 1,629,264; May 17.
Window construction. J. J. Gillman. 1,628,879; May 17.
Window regulator. E. Koeb. 1,629,277; May 17.
Window, Reversible. O. Materney. 1,629,350; May 17.
Window, Vertically-slidable inwardly-swinging. J. G. Kramer. 1,628,727; May 17.
Windshield construction. C. E. Dawson. 1,629,439; May 17.
Windshields, Frost-exterminating means for. A. D. Updegraff. 1,628,814; May 17.
Wires, Device for transforming the crystalline structure of. F. Koref. 1,629,345; May 17.
Wires, Program transmission over. J. F. Toomey. 1,628,697; May 17.
Wood-preserving system. J. R. Pfister. 1,629,302; May 17.
Wool washers and the like, Press roll for. F. L. Furbush. 1,628,835; May 17.
Woodworking machine. F. Hoffman. 1,628,724; May 17.
Woodworking machine. C. W. Jackson. 1,628,845; May 17.
Work carrier. F. B. Gardner. 1,628,878; May 17.
Wrench. J. H. Horsburgh. 1,628,842; May 17.
Wrench with head hinged on the shaft and with reversible ratchet mechanism. H. Distler. 1,629,205; May 17.
Wringer. W. G. Beatty. Re16,627; May 17.
X-ray apparatus. F. H. Wappler and C. Fayer. 1,628,699; May 17.
X-ray photography, Make-up frame for. A. H. Honey. 1,629,104; May 17.
X-ray system. H. D. Garretson. 1,629,338; May 17.
Yieldable coupling. W. Minier. 1,629,041; May 17.
Zinc oxide, Making. J. F. Cregan. 1,628,953; May 17.
Zinc oxide, Treatment of furnace gases to recover. J. F. Cregan. 1,628,952; May 17.

CLASSIFICATION OF PATENTS

ISSUED MAY 17, 1927.

NOTE.—First number—class, second number—subclass, third number—patent number.

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167— 7: 1,629,074
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171— 97: 1,629,332
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173— 322: 1,629,086
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100.1: 1,629,152
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306— 38: 1,628,807
308— 20: 1,629,054
24: 1,628,709
73: 1,629,214
120: 1,628,833
237: 1,629,413

May 24, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A/S. Biyantfabriken Viking, Copenhagen, Denmark. Pencils. 228,255; May 24; Serial No. 201,426; published Sept. 14, 1926.

Aarons, Joseph J., & Co., New York, N. Y. Hats for men, women, and children. 228,080; May 24; Serial No. 240,285; published Mar. 15, 1927.

Abel, M. E., Estate, to Abel's, Easton, Pa., successor. Candy, bonbons, and ice cream. 64,715; renewed Aug. 20, 1927.

Ackermann, G. A., Printing Co., Chicago, Ill. Enameled, calendered, and coated uncut paper stock. 228,266; May 24.

Adamson, Isaac G., doing business as I. G. Adamson Company, San Benito, Tex. Fresh vegetables. 228,209; May 24; Serial No. 233,518; published Mar. 15, 1927.

Alberoyd Company, The. (See Lloyd, A. H.)

Albert, Samuel, doing business as United Tea Stores, Chicago, Ill. Tea, coffee, and spices. 228,205; May 24; Serial No. 233,051; published Mar. 15, 1927.

Alexander, Noble A., Denver, Colo. Cleansing and washing compound. 228,174; May 24; Serial No. 241,196; published Mar. 15, 1927.

Allen, George B., doing business as American Pingolf Company, Atlanta, Ga. Outdoor or indoor game played with tenpins, balls, and a club. 228,118; May 24. Serial No. 242,767; published Mar. 15, 1927.

Allen-Rethemeyer Company. (See Menown & Gregory, assignor.)

Alpena Leather Corporation, Buffalo, N. Y., and Alpena, Mich. Sole-leather products. 228,211; May 24; Serial No. 234,288; published Mar. 8, 1927.

American Lead Pencil Company, New York, N. Y. Carbon paper. 228,094; May 24; Serial No. 243,470; published Mar. 15, 1927.

American Optical Company, assignor to American Optical Company, Southbridge, Mass. Spectacles and eyeglasses 30,687; renewed Oct. 19, 1927.

American Pingolf Company. (See Allen, George B.)

American Solvents & Chemical Corporation, New York, N. Y. Denatured alcohol, solvents, esters, ethers, fusel oil, etc. 228,237; May 24; Serial No. 240,579; published Mar. 15, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton and thread. 62,385; renewed May 7, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 62,387–8; renewed May 7, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 62,948; renewed June 4, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 62,950; renewed June 4, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, thread, and sewing cotton. 63,137–9; renewed June 11, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, thread, and sewing cotton. 63,208; renewed June 11, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing silk, and thread. 63,630; renewed July 2, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing silk, and thread. 63,632; renewed July 2, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing silk, and thread. 63,634–7; renewed July 2, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing silk, and thread. 64,209–11; renewed July 30, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing silk, and thread. 63,214; renewed July 30, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing cotton, and thread. 64,819–20; renewed Aug. 27, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing cotton, and thread. 64,823–4; renewed Aug. 27, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing silk, and thread. 64,830–3; renewed Aug. 27, 1927.

American Thread Company, The, New York, N. Y. Spool cotton, sewing cotton, and thread. 64,834; renewed Aug. 27, 1927.

Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 228,227; May 24; Serial No. 243,637; published Mar. 15, 1927.

Anderson, Alfred, doing business as Anderson Chemical Co., Litchfield, Minn. Washing powder. 228,055; May 24; Serial No. 242,561; published Mar. 15, 1927.

Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic goods. 228,095; May 24; Serial No. 243,471; published Mar. 15, 1927.

Anstalt zur Verfertigung der Dr. Sulzberger'schen Allgemeinen Flusstinktur, Salzungen, Germany. Rheumatism drops. 59,530; renewed Jan. 8, 1927.

Anstalt zur Verfertigung der Dr. Sulzberger'schen Flusstinktur, to Anstalt zur Verfertigung der Dr. Sulzberger'schen Allgemeinen Flusstinktur, Salzungen, Germany. Rheumatism drops. 59,529; renewed Jan. 8, 1927.

Antuono, Valentino M., Tampa, Fla. Cigars, cheroots, and little cigars. 65,547–8; renewed Oct. 8, 1927.

Argus Manufacturing Company, The, Cleveland, Ohio. Material for resurfacing and patching concrete and brick floors and the like. 228,107; May 24; Serial No. 242,361; published Mar. 8, 1927.

Asbury Mills, The, New York, N. Y. Bathing suits, shoes, caps, scarfs, etc. 228,136; May 24, Serial No. 242,038; published Mar. 15, 1927.

Aymond, John P. W. S., Bunkie, La. Remedy for affections and diseases of the eye. 63,413; renewed June 18, 1927.

Babbitt, B. T., Inc., New York, N. Y. Boiler liquid concentrate comprising a compound for repairing leaks in hot-water and steam boilers. 228,166; May 24; Serial No. 236,359; published Mar. 15, 1927.

Baker, Charles F., & Co. Inc., Boston, Mass. Shoe nails. 228,096; May 24; Serial No. 243,473; published Mar. 15, 1927.

Baldwin Refrigerator Co., The, Burlington, Vt. Refrigerators. 65,521; renewed Oct. 8, 1927.

Balfour, Guthrie & Co., San Francisco, Calif. Canned, dried, and fresh fruits. 65,039; renewed Sept. 3, 1927.

Barlett, Leo B., Dormont, Pa. Preparation for the treatment of diabetes. 228,086; May 24; Serial No. 243,411; published Mar. 15, 1927.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Sheathing paper for use in the construction of buildings. 62,774; renewed May 28, 1927.

Batson, Woode J., doing business as Spencer Popcorn Company, Spencer, Iowa. Raw pop corn. 228,188; May 24; Serial No. 224,226; published Mar. 15, 1927.

Bauer, Charles, doing business as Vet Products Laboratory, Westbury, N. Y. Veterinary remedies. 228,235; May 24; Serial No. 239,875; published Mar. 15, 1927.

Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Cotton blankets. 228,192; May 24; Serial No. 226,708; published Mar. 15, 1927.

Bee Jay Products Co. Inc., Long Island City, N. Y. Music in sheet and book form. 228,197; May 24; Serial No. 228,795; published Mar. 15, 1927.

Bee Sweet Products Company. (See Crull, Henry J.)

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, underwear, etc. 228,038; May 24; Serial No. 242,876; published Mar. 15, 1927.

Birmingham Paper Company, Birmingham, Ala. Writing paper, drawing paper, tablets, etc. 228,077; May 24; Serial No. 239,791; published Mar. 15, 1927.

Block, W. G., Company, Davenport, Iowa. Coal. 228,250; May 24; Serial No. 241,860; published Mar. 8, 1927.

Block, W. G., Company, Davenport, Iowa, Coal. 228,252; May 24; Serial No. 241,862; published Mar. 8, 1927.

Blodgett, Warren Co., Boston, Mass. Toweling. 228,089; May 24; Serial No. 243,304; published Mar. 15, 1927.

Boss Manufacturing Company, The, Kewanee, Ill. Fabric gloves and mittens. 228,132–3; May 24; Serial Nos. 241,980–1; published Mar. 8, 1927.

Bottlers Supply Company, Milwaukee, Wis. Ginger ale and syrups and extracts for making the same. 228,110; May 24; Serial No. 242,471; published Mar. 15, 1927.

Brennan Packing Co., Chicago, Ill. Meat products. 228,185; May 24; Serial No. 241,691; published Mar. 15, 1927.

Brown Soap Co., The, assignor, by mesne assignments, to The Skidoo Company, Columbus, Ohio. Soap. 65,194; renewed Sept. 10. 1927.

Buegeleisen & Jacobson, New York, N. Y. Bows, rosin, and bow hair. 228,265; May 24.

Buffalo Meter Company, Buffalo, N. Y. Cyclometers, odometers, engine counters, and fluid meters. 30,361; renewed July 13, 1927.

Byk-Guldenwerke Chemische Fabrik, Berlin, Germany. Rennet preparations. 228,212; May 24; Serial No. 234,558; published Mar. 15, 1927.

California Fruit Preserving Co. (See Keller, F.)

California Peach & Fig Growers Association, Fresno, Calif. Dried figs. 228,046; May 24; Serial No. 242,278; published Mar. 15, 1927.

Cambridge Rubber Company, Cambridge, Mass. Shoes. 228,193; May 24; Serial No. 226,942; published Mar. 8, 1927.

Campbell, Horace L., Petersburg, Ill. Live chicks. 228,206; May 24; Serial No. 233,102; published Mar. 15, 1927.
Capewell Horse Nail Company, The, Hartford, Conn. Horse nails. 228,103; May 24; Serial No. 243,688; published Mar. 15, 1927.
Castle Brothers, Incorporated, to Harry Hall & Co. Inc., San Francisco, Calif., successor. Dried fruit. 62,686; renewed May 21, 1927.
Castle Brothers, Incorporated, to Harry Hall & Co. Inc., San Francisco, Calif., successor. Dried fruit. 63,093; renewed June 4, 1927.
Chadwick, Jas., & Bror., Ltd., Bolton, England. Sewing cotton on spools and reels. 63,527; renewed June 25, 1927.
Chandler Boot Shops, Atlanta, Ga.; New Orleans, La.; Birmingham, Ala.; Memphis and Nashville, Tenn.; and Louisville, Ky. Hosiery. 228,068; May 24; Serial No. 237,782; published Mar. 8, 1927.
Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Extirpating preparations for insects and plants, disinfectants, etc. 228,156–7; May 24; Serial Nos. 228,356–7; published Mar. 15, 1927.
Cheney Brothers, South Manchester, Conn. Silk piece goods. 65,582; renewed Oct. 8, 1927.
Chicago Mail Order Company, Chicago, Ill. Coats, suits, dresses, waists, and skirts. 228,269; May 24.
Chicago White Lead & Oil Co., The, Chicago, Ill. Dry paste. 228,153–4; May 24; Serial Nos. 217,987–8; published Aug. 31, 1926.
Child Study Association of America, Inc., New York, N. Y. Publications. 228,180; May 24; Serial No. 241,519; published Mar. 15, 1927.
Cleveland Mill & Power Company, Lawndale, N. C. Cotton clotheslines. 62,146–7; renewed Apr. 23, 1927.
Cleveland Oak Belting Co., The, Cleveland, Ohio. Leather belting. 228,078; May 24; Serial No. 240,242; published Mar. 15, 1927.
Cleveland & Whitehill Co., Newburgh, N. Y. Men's caps. 228,043; May 24; Serial No. 242,707; published Mar. 8, 1927.
Cohen, Joseph B., doing business as Kosher Dog Company, Chicago, Ill. Meat sausage. 228,258; May 24; Serial No. 216,149; published Mar. 15, 1927.
Cohn Hall Marx Co., New York, N. Y. Silk goods in the piece. 228,029; May 24; Serial No. 243,082; published Mar. 15, 1927.
Colman, J. & J., Limited, Norwich and London, England. Washing blue. 30,674; renewed Oct. 12, 1927.
Columbia Knitting Mills, Portland, Oreg. Swimming suits, woolen garments, and knitted wear. 228,175–6; May 24; Serial Nos. 241,395–6; published Mar. 8, 1927.
Columbus Manufacturing Company, Columbus, Ga. Cotton sheetings. 228,207; May 24; Serial No. 233,109; published Mar. 15, 1927.
Colwell Mfg. Co. (See Frederick, William H.)
Conover, C. E., Co., The, New York, N. Y. Aprons, baby pants, undergarments, etc. 228,234; May 24; Serial No. 238,251; published Feb. 15, 1927.
Continental Paper & Bag Mills Corporation, New York, N. Y. Paper towels. 228,127; May 24; Serial No. 241,874; published Mar. 15, 1927.
Cooper Underwear Company, Kenosha, Wis. Union suits of underwear of woven textile fabric for men and boys. 228,130; May 24; Serial No. 241,929; published Mar. 15, 1927.
Corn Products Refining Company, New York, N. Y. Starch for laundry and manufacturing purposes. 228,245; May 24; Serial No. 240,700; published Mar. 15, 1927.
Cousins, Charles C., jr., Brooklin, Me. Sleds. 228,121; May 24; Serial No. 242,880; published Mar. 15, 1927.
Craddock-Terry Co., Lynchburg, Va. Shoes. 228,270; May 24.
Cro-Zo Manufacturing Co., Los Angeles, Calif. Preparation for preventing and destroying corrosion on the terminals of storage batteries. 228,116; May 24; Serial No. 242,710; published Mar. 15, 1927.
Crull, Henry J., doing business as Bee Sweet Products Company, Huntington, Ind. Candy. 228,024; May 24; Serial No. 243,199; published Mar. 15, 1927.
Curtiss Candy Company, The, Chicago, Ill. Chewing gum. 228,083; May 24; Serial No. 243,425; published Mar. 15, 1927.
Curtiss Candy Company, The, Chicago, Ill. Beverages and compounds for making same. 228,233; May 24; Serial No. 243,422; published Mar. 15, 1927.
De Leamont, Julienne. (See Porier, Paul E.)
Desmond, R. E., St. Louis, Mo., assignor, by mesne assignments, to Odel Chemical Corporation, New York, N. Y. Tooth and talcum powder. 62,219; renewed Apr. 23, 1927.
Detroit Range Boiler & Steel Barrel Company, Detroit, Mich. Gas water heaters. 228,168; May 24; Serial No. 240,809; published Mar. 15, 1927.
Dodge & Seymour, Ltd., New York, N. Y. Men's and women's hosiery. 228,028; May 24; Serial No. 243,084; published Mar. 15, 1927.
Dodwell & Company, Ltd., New York, N. Y. Portland cement and artificial Portland cement. 228,150; May 24; Serial No. 214,063; published Mar. 8, 1927.
Doige, C. B., Co., The, Westport, Conn. Pine deodorizer, disinfectant, etc. 228,104; May 24; Serial No. 242,228; published Mar. 15, 1927.
Douglas Pectin Corporation, Rochester, N. Y. Pectin. 228,213; May 24; Serial No. 234,773; published Mar. 15, 1927.
Downey, Michael E., Chicago, Ill. Insect exterminator. 228,163; May 24; Serial No. 234,199; published Mar. 15, 1927.
Duborel Corporation, The, Jersey City, N. J. Tooth paste, mouth wash, tooth powder, and dental massage paste. 228,230; May 24; Serial No. 243,202; published Mar. 15, 1927.
Ehle & Hagemann, Brooklyn, N. Y. Razors and barbers' shears. 228,069; May 24; Serial No. 238,115; published Mar. 15, 1927.
Electric Refrigeration Corporation. (See Leonard Refrigerator Company, assignor.)
Eloesser-Heynemann Company, San Francisco, Calif. Children's clothing and children's overalls. 228,047; May 24; Serial No. 242,333; published Mar. 8, 1927.
Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton voiles in the piece. 228,149; May 24; Serial No. 208,964; published Aug. 24, 1926.
Endicott-Johnson Co., assignor, by mesne assignments, to Endicott Johnson Corporation, Endicott, N. Y. Boots and shoes of leather. 64,219; renewed July 30, 1927.
Ex Lax Manufacturing Co., New York and Brooklyn, N. Y. Pharmaceutical preparation. 228,099; May 24; Serial No. 243,308; published Mar. 15, 1927.
Farbenindustrie, I. G., Aktiengesellschaft, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany. Dyestuffs. 228,251; May 24; Serial No. 241,660; published Mar. 15, 1927.
Farrow, Joseph, & Company, Limited, Carlton Works. (See Sadler, Firth & Ross, Limited, assignor.)
Ferroxanti World Syndicate Inc., New York, N. Y. Boiler and metal treatment against corrosion, pitting, etc. 228,137; May 24; Serial No. 242,074; published Mar. 15, 1927
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Rubber tires, rubber inner tubes, etc. 228,025; May 24; Serial No. 243,145; published Mar. 15, 1927.
Fitzpatrick Bros., Chicago, Ill. Cleaning and scouring compound. 228,186; May 24; Serial No. 241,711; published Mar. 15, 1927.
Frederick, William H., doing business as Colwell Mfg. Co., St. Paul, Minn. Ointment for poison ivy, etc. 228,124; May 24; Serial No. 243,047; published Mar. 15, 1927.
Furia, Frank, Joliet, Ill. Liniment for the treatment of rheumatism. 228,091; May 24; Serial No. 243,263; published Mar. 15, 1927.
Gane & Ingram, Inc., New York, N. Y. Preparation for repelling mosquitoes and for relieving irritation from insect bites. 228,223; May 24; Serial No. 235,948; published Mar. 8, 1927.
General Dyestuff Corporation, New York, N. Y. Coal-tar dyes, disinfectants, preservatives, etc. 228,108; May 24; Serial No. 242,370; published Mar. 15, 1927.
George Bros. Mfg. Co., New York, N. Y. Shoe polishes and shoe creams. 228,051; May 24; Serial No. 242,478; published Mar. 15, 1927.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, toilet waters, sachets, perfumes, etc. 228,117; May 24; Serial No. 242,719; published Mar. 15, 1927.
Glass, Jackson C. E., doing business as Glass Sales Agency, Oakland, Calif. Toilet paper. 228,240; May 24; Serial No. 239,301; published Dec. 21, 1926.
Golden Mermaid Products Co., Atlantic City, N. J. Face creams, skin creams, face powders, skin lotions, etc. 228,236; May 24; Serial No. 240,074; published Mar. 15, 1927.
Gram, Arthur J., Winnetka, Ill. Wood preservative in the nature of a chemical. 228,164; May 24; Serial No. 234,437; published Mar. 15, 1927.
Grant, D. H., & Co., New York, N. Y. Cotton goods in the piece. 228,097; May 24; Serial No. 243,489; published Mar. 15, 1927.
Great Northern Chemical Company, San Francisco, Calif. Cleaning fluid for closet bowls and urinals. 228,134; May 24; Serial No. 242,000; published Mar. 15, 1927.
Guerlain Perfumery Corporation of Delaware. (See Société Guerlain, assignor.)
H & P Company, Carlisle, Pa. Toy furniture. 228,246; May 24; Serial No. 240,783; published Mar. 15, 1927.
Haber, Joseph B., Inc., Philadelphia, Pa. Sweaters. 228,182; May 24; Serial No. 241,617; published Mar. 8, 1927.
Hager, Clark & Co., New York, N. Y. Woolen and worsted piece goods. 228,030; May 24; Serial No. 243,055; published Mar. 15, 1927.
Hager, Clark & Co., New York, N. Y. Woolen and worsted piece goods. 228,031; May 24; Serial No. 243,050; published Mar. 15, 1927.
Hager, Clark & Co., New York, N. Y. Woolen and worsted piece goods. 228,032; May 24; Serial No. 243,048; published Mar. 15, 1927.
Hall, Harry, & Co. Inc., successor. (See Castle Brothers, Incorporated.)
Haram, S. A., & Co. Inc., assignor to Olaf Hertzwig Trading Co. Inc., New York, N. Y. Bread. 228,152; May 24; Serial No. 217,771; published June 1, 1926.
Haynes, William J., Kansas City, Mo. Swimming float for bathers. 228,113; May 24; Serial No. 242,587; published Mar. 15, 1927.

Hays Manufacturing Company, Erie, Pa. Compression bibs or faucets. 228,138; May 24; Serial No. 242,183; published Mar. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Compression bibs or faucets, compression stopcocks, shut-off waste tubes, etc. 228,139; May 24; Serial No. 242,185; published Mar. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Compression bibs, compression faucets, etc. 228,140; May 24; Serial No. 242,186; published Mar. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Compression sink fixtures or faucets, etc. 228,141; May 24; Serial No. 242,187; published Mar. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Compression basin cocks or faucets. 228,142–3; May 24; Serial Nos. 242,188–9; published Mar. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Compression stop and waste cocks and compression stopcocks. 228,144; May 24; Serial No. 242,190; published Mar. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Compression stop and waste cocks. 228,145; May 24; Serial No. 242,191; published Mar. 15, 1927.
Helpa Products Corporation, Hoboken, N. J. Solvent cleanser, water softener, and boiler compound. 228,111; May 24; Serial No. 242,480; published Mar. 15, 1927.
Hertzwig, Olaf, Trading Co. Inc. (See Haram, S. A., & Co. Inc., assignor.)
Hess Brothers, Allentown, Pa. Shoes and hosiery. 228,208; May 24; Serial No. 233,188; published Mar. 8, 1927.
Hoffmann-La Roche F. & Cie., Basel, Switzerland, assignor to The Hoffmann-La Roche Chemical Works, New York, N. Y. Chemical products for use in medicine, etc. 29,994; renewed May 11, 1927.
Hogshead, Harry, Staunton, Pa. Ointments. 65,738; renewed Oct. 22, 1927.
Holland Brass Works, Inc., Chicago, Ill. Prie dieus. 228,190; May 24; Serial No. 225,922; published Mar. 15, 1927.
Hollingshead, R. M., Co., The, Camden, N. J. Hand soap. 228,064; May 24; Serial No. 237,268; published Mar. 15, 1927.
Hopewell Brothers, Watertown, Mass. Devices for controlling the supply of ignitible hydrocarbon mixtures to internal-combustion engines. 228,203; May 24; Serial No. 230,87; published Mar. 15, 1927.
Horrocksos, Crewdson & Co., Limited, Preston and Manchester, England. Sheets and pillowcases. 228,088; May 24; Serial No. 243,363; published Mar. 15, 1927.
Hoyle, Joshua, & Sons, Ltd. Inc., New York, N. Y. Beach robes, bath gowns, and bath robes. 228,172; May 24; Serial No. 241,103; published Mar. 15, 1927.
Hoyle, Joshua, & Sons, Ltd. Inc., New York, N. Y. Beach robes, bath gowns, and bath robes. 228,173; May 24; Serial No. 241,105; published Mar. 15, 1927.
Hudnut, Richard, New York, N. Y. Perfume. 228,105; May 24; Serial No. 228,105; published Mar. 15, 1927.
Hudnut, Richard, New York, N. Y. Perfume. 228,229; May 24; Serial No. 242,338; published Mar. 15, 1927.
Hudnut's, R., Pharmacy, assignor to Richard Hudnut, New York, N. Y. Ointments. 63,757; renewed July 9, 1927.
Hutto Engineering Co., Detroit, Mich. Cylinder grinders and devices and parts thereof. 228,194; May 24; Serial No. 227,233; published Mar. 15, 1927.
Illinois Fruit Growers Exchange, Centralia, Ill. Fruits and fresh vegetables. 228,056; May 24; Serial No. 242,591; published Mar. 15, 1927.
Independent Non-Freezing Powder Company, Paulsboro, N. J., assignor to Trojan Powder Company, Allentown, Pa.; Chicago, Ill.; Portland, Oreg.; and San Francisco, Calif. Explosive powder. 65,442; renewed Sept. 24, 1927.
Industrial Speciality Corporation, West Springfield, Mass. Combination of steel wool and holders therefor. 228,053; May 24; Serial No. 242,539; published Mar. 15, 1927.
Irving Airchute Company, Inc., Buffalo, N. Y. Parachutes, parachute packs, and parachute harness. 228,084–5; May 24; Serial Nos. 243,366–7; published Mar. 15, 1927.
Irving Airchute Company, Inc., Buffalo, N. Y. Parachutes, parachute packs, etc. 228,087; May 24; Serial No. 243,365; published Mar. 15, 1927.
Isaacs, Joel, Shirt Company, Inc., New York, N. Y. Men's negligee shirts. 228,239; May 24; Serial No. 237,416; published Jan. 25, 1927.
Jones & Hensley, Los Angeles, Calif. Candy. 228,215; May 24; Serial No. 235,142; published Mar. 15, 1927.
K-R-O Company. (See Rat Biscuit Company.)
Kakao-Kompagnie Theodor Reichardt G. m. b. H., Wandsbek, Hamburg, Germany. Cocoa powder and products. 228,200; May 24; Serial No. 235,649; published Mar. 15, 1927.
Kay, Theodore, Kirkland, Wash. Automobile robes. 228,035; May 24; Serial No. 242,954; published Mar. 15, 1927.
Keapsit Bottle Company, The, Cincinnati, Ohio. Vacuum bottles and containers. 228,040; May 24; Serial No. 242,836; published Mar. 15, 1927.
Keller, F., doing business as California Fruit Preserving Co., San Francisco, Calif., assignor to California Fruit Preserving Corporation, San Francisco, Calif. Plum pudding, raisin pudding, mincemeat, etc. 228,267; May 24.
Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 228,147; May 24; Serial No. 206,671; published Mar. 15, 1927.
King of All Cleaner Company, Atlantic, Iowa. Liquid preparation for cleaning the hands, etc. 228,257; May 24; Serial No. 207,083; published Mar. 15, 1927.
Knotzsch, Harry E., Toledo, Ohio. Compound for the blood and stomach, medicinal tea, etc. 228,072; May 24; Serial No. 239,118; published Mar. 15, 1927.
Knox Hosiery Mills, Cleveland, Tenn. Hosiery. 228,170; May 24; Serial No. 240,982; published Mar. 15, 1927.
Kobb, Anthony, New York, N. Y. Hosiery. 228,061; May 24; Serial No. 242,670; published Mar. 1, 1927.
Kolambugan Lumber & Development Co., Manila, P. I. Lumber, dressed and rough. 228,195; May 24; Serial No. 227,311; published Apr. 27, 1926.
Kosher Dog Company. (See Cohen, Joseph B.)
Kuntz-Simons, Inc., New York, N. Y. Men's straw hats. 228,221; May 24; Serial No. 235,781; published Mar. 15, 1927.
La France Laboratories, Inc., New York, N. Y. Cough medicine. 228,122; May 24; Serial No. 242,898; published Mar. 15, 1927.
Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Canned vegetables and sauerkraut. 228,198; May 24; Serial No. 228,916; published Mar. 15, 1927.
Leadite Company of America, The, assignor to The Leadite Company, Philadelphia, Pa. Cement compounds for making pipe joints. 61,669; renewed Apr. 2, 1927.
Lee-Strauss Company, Johnstown, Pa. Citrate of magnesia. 228,054; May 24; Serial No. 242,541; published Mar. 15, 1927.
Lehman Bros., Inc., Jersey City, N. J. Paints, varnishes, etc. 228,268; May 24.
Leonard Refrigerator Company, Grand Rapids, assignor to Electric Refrigeration Corporation, Detroit, Mich. Refrigerators and refrigerator parts. 228,216; May 24; Serial No. 235,152; published Mar. 15, 1927.
Leonardt, D., and Company, Birmingham, England. Metallic pens. 228,044; May 24; Serial No. 242,234; published Mar. 15, 1927.
Leslie Research Company, Inc., New York, N. Y. Nasal cream. 228,073; May 24; Serial No. 239,531; published Mar. 15, 1927.
Libbey Glass Manufacturing Company, The, Toledo, Ohio. Articles of glassware. 228,079; May 24; Serial No. 240,268; published Mar. 15, 1927.
Lion Typewriter Supplies Company Limited, London, England. Stencil paper. 228,171; May 24; Serial No. 240,986; published Mar. 15, 1927.
Lloyd, A. H., doing business as The Alberoyd Company, Esmont, Va. Crushed, ground, and pulverized stone. 228,248; May 24; Serial No. 241,419; published Mar. 8, 1927.
Loft, Inc., New York, N. Y. Candies. 228,093; May 24; Serial No. 243,224; published Mar. 15, 1927.
Loma Rica Ranch, Grass Valley, Calif. Fresh pears, apples, plums, cherries, and potatoes. 228,102; May 24; Serial No. 243,863; published Mar. 15, 1927.
Lox Seal Corporation, The, New York, N. Y. Clasps. 228,262; May 24.
Marlboro Wire Goods Company, Marlboro, Mass. Dish drainers, sponge holders, soap dishes, toothbrush holders, etc. 228,200; May 24; Serial No. 222,516; published Mar. 15, 1927.
Max Glick Company, The, Cleveland, Ohio. Candy. 228,148; May 24; Serial No. 207,298; published Sept. 1, 1925.
McCreery, James, & Company, New York, N. Y. Hosiery, shawls, ruffs, collars, underwear, etc. 228,128; May 24; Serial No. 241,889; published Mar. 15, 1927.
McDavitt, William E., doing business as McDavitt Brothers, Brownsville, Tex. Vegetables. 228,210; May 24; Serial No. 234,220; published Mar. 15, 1927.
McDermott, H. W., doing business as H. W. McDermott & Co., Seattle, Wash. Candy. 228,179; May 24; Serial No. 241,489; published Mar. 15, 1927.
Meador and Young, Nashville, Tenn. Coal. 228,106; May 24; Serial No. 242,345; published Mar. 8, 1927.
Mendelson Sportswear, Inc., New York, N. Y. Women's coats, suits, dresses, sweaters, knickers, hosiery, etc. 228,199; May 24; Serial No. 235,519; published Mar. 15, 1927.
Menown & Gregory, assignor to Allen-Rethemeyer Company, St. Louis, Mo. Tea. 65,537; renewed Oct. 8, 1927.
Merton, Charles S., & Co., East Rutherford, N. J., and New York, N. Y. Hats, caps, knickers, scarfs, etc. 228,183–4; May 24; Serial Nos. 241,666–7; published Mar. 8, 1927.
Michigan Alkali Company, Wyandotte, Mich. Portland cement. 228,155; May 24; Serial No. 221,428; published Mar. 8, 1927.
Michigan Seating Company, Jackson, Mich. Upholstered furniture. 228,049; May 24; Serial No. 242,346; published Mar. 15, 1927.
Midcontinent Map Company, Tulsa, Okla. Maps. 228,070; May 24; Serial No. 238,865; published Mar. 15, 1927.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. General household cleaning preparations, dry cleaners, metal polish, etc. 228,222; May 24; Serial No. 236,765; published Mar. 15, 1927.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Composition soles for shoes. 228,074; May 24; Serial No. 239,665; published Mar. 15, 1927.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Garters. 228,151; May 24; Serial No. 215,584; published July 28, 1925.

Moeller, A. J., Pickle Co., San Francisco, Calif. Pickles, chowchow, pickled onions, etc. 228,261; May 24; Serial No. 223,651; published Mar. 15, 1927.

Moline Consumers Company, Moline, Ill. Coal. 228,253; May 24; Serial No. 242,240; published Mar. 8, 1927.

Montgomery Ward & Co., Incorporated, Chicago, Ill. Stoves, ranges, heaters, etc. 228,263; May 24.

Morgan Crucible Company, Limited, The, Battersea, London, England. Articles made of plumbago or graphite. 63,199; renewed June 11, 1927.

Morris and Company, Incorporated, Baltimore, Md. Underwear. 228,135; May 24; Serial No. 242,019; published Mar. 15, 1927.

Morris, Jos. A., & Co., New York, N. Y. Heading for a newspaper section. 228,027; May 24; Serial No. 243,102; published Mar. 15, 1927.

Muller, Walter A., Co., Inc., San Francisco, Calif. Ladies', misses,, and children's hats. 228,041–2; May 24; Serial Nos. 242,792–3; published Mar. 8, 1927.

Munn, A. R., Inc., Atlanta, Ga. Toothbrushes. 228,120; May 24; Serial No. 242,842; published Mar. 15, 1927.

National Life and Accident Insurance Company, Nashville, Tenn. House organ. 228,050; May 24; Serial No. 242,437; published Mar. 15, 1927.

Neely, Harwell & Co., Nashville, Tenn. Overalls and work shirts. 228,177; May 24; Serial No. 241,429; published Mar. 15, 1927.

News Publishing Company, Atlantic City, N. J. Newspaper. 228,063; May 24; Serial No. 237,128; published Mar. 15, 1927.

Neyman, Max, Brooklyn, N. Y. Knitted woolen cloths in the piece. 228,026; May 24; Serial No. 243,105; published Mar. 15, 1927.

North American Cement Corporation, Albany, N. Y. Portland cement. 228,241–2; May 24; Serial Nos. 239,590–1; published Mar. 8, 1927.

Oberman, D. M., Mfg. Co., Jefferson City, Mo., and New York, N. Y. Men's lumberjack shirts and trousers, work shirts, and trousers. 228,169; May 24; Serial No. 240,922; published Mar. 15, 1927.

O'Connell, Katherine, Denver, Colo. Candies and salted nuts. 228,090; May 24; Serial No. 243,277; published Mar. 15, 1927.

Odell Company, Inc., The, Newark, N. J. Hair-color restorer. 228,112; May 24; Serial No. 242,494; published Mar. 15, 1927.

Odol Chemical Corporation. (See Desmond, E. E., assignor.)

O'Hern, Strack, & O'Hern, Indianapolis, Ind. Women's hats. 228,045; May 24; Serial No. 242,244; published Mar. 15, 1927.

Onoda Cement Co. Ltd., Yamaguchi-Ken, Japan. Cement and Portland cement. 228,191; May 24; Serial No. 226,504; published Nov. 9, 1926.

Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 228,033; May 24; Serial No. 243,011; published Mar. 15, 1927.

Orientalische Tabak und Cigarettenfabrik Yenidze, Inhaber Hugo Zietz, assignor to Orientalische Tabak- und Cigarettenfabrik Yenidze, Inhaber Hugo Zietz, G. m. b. H., Dresden, Germany. Cigarettes and smoking tobacco. 65,682; renewed Oct. 15, 1927.

Otis Company, assignor to Ware Valley Manufacturing Co. Inc., Ware, Mass. Knitted underwear. 64,795; renewed Aug. 20, 1927.

Palami Products Co. (See Silverman, Irving.)

Payne, Ernest W., Racine, Wis. Strup for making soft drinks. 228,119; May 24; Serial No. 242,794; published Mar. 15, 1927.

Perco Cereal Co., Inc., Fort Worth, Tex. Cereal beverage compounds. 228,075; May 24; Serial No. 239,673; published Mar. 15, 1927.

Perco Cereal Co., Inc., Fort Worth, Tex. Cereal beverage compounds. 228,076; May 24; Serial No. 239,675; published Mar. 15, 1927.

Perkins & Willmott, Inc., Upton, Mass. Toy figures made of wood. 228,114; May 24; Serial No. 242,611; published Mar. 15, 1927.

Picot Company, The. (See Validejuli, Manuel S.)

Pinkham, Bertrand M., Scituate, Mass. Liquid inhalent. 228,167; May 24; Serial No. 236,436; published Mar. 15, 1927.

Pisani, Dom Proto, Los Angeles, Calif. Fresh citrous and deciduous fruits and fresh grapes. 228,066; May 24; Serial No. 237,693; published Mar. 15, 1927.

Planator Gear Shift Company, Los Angeles, Calif. Vacuum gear-shifting device. 228,219; May 24; Serial No. 235,316; published Mar. 15, 1927.

Plant, Thomas G., Company, Boston, Mass. Boots, shoes, slippers. 228,202; May 24; Serial No. 230,354; published Mar. 8, 1927.

Porter, Paul E., doing business as Julienne de Leamont, Detroit, Mich. Preparation for the complexion. 228,243; May 24; Serial No. 239,625; published Mar. 15, 1927.

Porter, C. O., Machinery Company, The, Grand Rapids, Mich. Power-feed facing planers, hand jointers, shapers, etc. 228,226; May 24; Serial No. 243,665; published Mar. 15, 1927.

Portland Packing Co., Portland, Me. Canned fruits, vegetables, fish, oysters, lobsters, meats, and poultry. 30,305; renewed June 29, 1927.

Portland Supply Co., Portland, Oreg. Cane and maple sirup. 228,058; May 24; Serial No. 242,615; published Mar. 15, 1927.

Premier Appliance Co., Inc., Philadelphia, Pa. Cream toilet and shaving soap. 228,254; May 24; Serial No. 200,829; published Mar. 15, 1927.

Procházka, F., Ltd., Prague, Czechoslovakia. Soaps. 228,214; May 24; Serial No. 235,069; published Mar. 15, 1927.

Pro-Tex-All Sanitary Products Co. (See Silverman, Isadore.)

Purity Paper Vessels Company, The, Baltimore, Md. Cylindrical paper cans. 228,037; May 24; Serial No. 242,906; published Mar. 15, 1927.

Purity Paper Vessels Company, The, Baltimore, Md. Paper cans. 228,071; May 24; Serial No. 238,918; published Mar. 15, 1927.

Quality Hardware and Machine Co., Chicago, Ill. Vacuum cleaners. 228,036; May 24; Serial No. 242,907; published Mar. 15, 1927.

Rand Kardex Bureau, Inc., Tonawanda, N. Y. Blank and partially-printed cards and forms for indexes, etc. 228,057; May 24; Serial No. 242,618; published Mar. 15, 1927.

Rat Biscuit Company, The, doing business as K-R-O Company, Springfield, Ohio. Exterminator for rats. 228,228; May 24; Serial No. 243,624; published Mar. 15, 1927.

Ravol Company, Chicago, Ill. Soapless shampoo preparation. 228,249; May 24; Serial No. 241,745; published Mar. 15, 1927.

Record-O-Phone Company, Inc., doing business as Record-O-Phone Sales and Exporting Co., Washington, D. C. Machines for electrically recording sound on metal and electrically reproducing such sound. 228,196; May 24; Serial No. 227,604; published Feb. 15, 1927.

Reliance Paper & Twine Mills, New York, N. Y. Wrapping paper, marking and pattern paper, and tissue paper. 228,224; May 24; Serial No. 236,852; published Mar. 15, 1927.

Rhoads, J. E., & Sons, Philadelphia, Pa. Valve leathers, leather valve washers and disks. 228,201; May 24; Serial No. 229,586; published Mar. 15, 1927.

Rice-Stix Dry Goods Company, St. Louis, Mo. Ladies' and children's frocks and dresses. 228,178; May 24; Serial No. 241,440; published Mar. 8, 1927.

Richardson Dry Goods Co., St. Joseph, Mo. Shirts, pants, overalls, etc. 228,218; May 24; Serial No. 235,232; published Mar. 15, 1927.

Ring-Ting Candy Shop, Evanston, Ill. Candy and salted nuts. 228,189; May 24; Serial No. 225,577; published Mar. 15, 1927.

Ripley, Edward, & Son, Limited, Bradford, England. Dress goods. 64,848; renewed Aug. 27, 1927.

Ritecall Checkwriter Corporation, New York, N. Y. Check-printing machines. 228,131; May 24; Serial No. 241,959; published Mar. 15, 1927.

Roemhildt Co., The, Dayton, Ohio. Cleaner for painted, varnished, or enameled surfaces. 228,271; May 24.

Rogovin, Harry, doing business as Unique Silk Lamp Shade Co., New York, N. Y. Lamp shades made of silk. 228,158; May 24; Serial No. 230,684; published Mar. 8, 1927.

Ross, Arthur D., Boston, Mass. Medical tablets. 228,160; May 24; Serial No. 232,697; published Mar. 15, 1927.

Runckel, Carl F., doing business as Runckel Laboratories, La Crosse, Wis. Toilet preparations and cosmetics. 228,238; May 24; Serial No. 241,791; published Mar. 1, 1927.

Russ-Suchard et Cie., Neuchatel, assignor to Suchard, S. A., Serrieres, Switzerland. Chocolate, cocoa, and chocolate candies. 63,556; renewed June 25, 1927.

Russ-Suchard et Cie., Neuchatel, assignor to Suchard, S. A., Serrieres, Switzerland. Chocolate, cocoa, and chocolate candies. 63,602; renewed June 25, 1927.

Sacks, Louis, Inc., doing business as Louis Sacks Iron Laundry, Newark, N. J. Metal heel plates for boots and shoes. 228,101; May 24; Serial No. 243,864; published Mar. 15, 1927.

Sadler, Firth & Ross, Limited, London, assignor to Joseph Farrow & Company, Limited Carlton Works, Peterborough, England. Mustard and spices. 29,273; renewed Dec. 8, 1926.

Sandeman, Geo. G., Sons & Co., Limited, London, England. Port and sherry wines. 62,307; renewed Apr. 30, 1927.

Sandeman, Geo. G., Sons & Co. Limited, London England. Port and sherry wines. 64,221; renewed July 30, 1927.

Sani-Vapor Co., The. (See Winchester, C. C.)

Schoettle, Edwin J., Company, Philadelphia, Pa. Cardboard boxes. 228,098; May 24; Serial No. 243,501; published Mar. 15, 1927.

Selden, Clarence C., & Co., Los Angeles, Calif. Plant fibers, thread, and yarn. 228,259; May 24; Serial No. 221,778; published Mar. 15, 1927.

Silverman, Irving, doing business as Palami Products Co., Brooklyn, N. Y. Cleansing and scouring preparation. 228,092; May 24; Serial No. 243,236; published Mar. 15, 1927.

Silverman, Isadore, doing business as Pro-Tex-All Sanitary Products Co., Evansville, Ind. Roach insecticide or powder. 228,231; May 24; Serial No. 243,289; published Mar. 15, 1927.

Simons & Struve Hosiery Company, The, Philadelphia, Pa. Children's stockings. 228,181; May 24; Serial No. 241,586; published Mar. 15, 1927.

Skidoo Company, The. (See Brown Soap Co., The, assignor.)

Skiles, Ross L., McClure, Ill. Healing salve. 228,232; May 24; Serial No. 243,290; published Mar. 15, 1927.

Smidth, F. L., & Co., New York, N. Y. Conveyers for cement clinker and the like. 228,126; May 24; Serial No. 241,845; published Mar. 15, 1927.

Societa Anonima Italiana Ing. Nicola Romeo & Co., Milan, Italy. Motor cars. 228,220; May 24; Serial No. 235,434; published Mar. 15, 1927.

Société Guerlain, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del. Perfumery and face tints. 65,575; renewed Oct. 8, 1927.

Société Guerlain, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del. Perfumery. 65,576; renewed Oct. 8, 1927.

Socolof, Jos., Co., Inc., Brooklyn, N. Y. Canned vegetables and fruits. 228,059; May 24; Serial No. 242,628; published Mar. 15, 1927.

Spalding, A. G., & Bros., Jersey City, N. J., and New York, N. Y. Clothing. 63,798; renewed July 9, 1927.

Spartan Mills, Spartanburg, S. C. Cotton piece goods for shirting. 228,060; May 24; Serial No. 242,694; published Mar. 15, 1927.

Spencer Popcorn Company. (See Batson, Woode J.)

Standard Mattress and Furniture, Inc., San Diego, Calif. Mattresses. 228,225; May 24; Serial No. 243,669; published Mar. 15, 1927.

Stern & Sayer., New York, N. Y. Cloth garments. 228,052; May 24; Serial No. 242,513; published Mar. 15, 1927.

Stocking, Fanny H., Washington, D. C. Invalids' tricycles or wheel chairs. 228,082; May 24; Serial No. 243,462; published Mar. 15, 1927.

Studebaker Corporation, The, South Bend, Ind. Automobiles. 228,165; May 24; Serial No. 236,348; published Feb. 15, 1927.

Suchard, S. A. (See Russ-Suchard et Cie., assignor.)

Sunfast Hats, Incorporated, Danbury, Conn. Hats. 228,264; May 24.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk piece goods. 63,060–1; renewed June 4, 1927.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk mixed piece goods. 63,684–6; renewed July 2, 1927.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk mixed piece goods. 64,883–92; renewed Aug. 27, 1927.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk mixed piece goods. 65,057; renewed Sept. 3, 1927.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk mixed piece goods. 65,090; renewed Sept. 3, 1927.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk piece goods and silk mixed piece goods. 65,285; renewed Sept. 17, 1927.

Sweetwater Fruit Company, Bonita, Calif. Fresh citrous fruits. 228,065; May 24; Serial No. 237,575; published Mar. 15, 1927.

Swift and Company, Chicago, Ill. Fertilizer. 228,204; May 24; Serial No. 231,170; published Mar. 15, 1927.

Thonet Brothers, Vienna, Austria, assignor to Thonet Brothers, New York, N. Y. Bent wood furniture. 54,066; renewed June 19, 1926.

Tomahawk Kraft Paper Co., Tomahawk, Wis. Wrapping paper. 228,039; May 24; Serial No. 242,866; published Mar. 15, 1927.

Tripoli Barber's Supply Co. Inc., Philadelphia, Pa. Hair tonic. 228,123; May 24; Serial No. 242,928; published Mar. 15, 1927.

Trojan Powder Company. (See Independent Non-Freezing Powder Company, assignor.)

Twinkies Specialty Company, St. Louis, Mo. Hosiery. 228,187; May 24; Serial No. 241,752; published Mar. 15, 1927.

Unique Silk Lamp Shade Co. (See Rogovin, Harry.)

United Tea Stores. (See Alpert, Samuel.)

Urban, George, Milling Company, Buffalo, N. Y. Wheat flour. 65,370; renewed Sept. 24, 1927.

Validejuli, Manuel S., doing business as The Picot Company and The Picot Co., Buffalo, N. Y. Diuretic stimulant with vitamines. 228,125; May 24; Serial No. 240,461; published Mar. 15, 1927.

Van Dyke, James E., New York, N. Y. Periodical. 228,081; May 24; Serial No. 240,376; published Mar. 15, 1927.

Van Vleet-Mansfield Drug Co., Memphis, Tenn. Medicinal tonic and liver invigorator. 228,244; May 24; Serial No. 240,635; published Mar. 15, 1927.

Vet Products Laboratory. (See Bauer, Charles.)

Viking Laboratories, Incorporated, Charleston, W. Va. Chemicals and chemical preparations for cleaning the outlet pipes of sinks, bathtubs, and washbowls. 228,109; May 24; Serial No. 242,455; published Mar. 15, 1927.

Wallace Addressing Machine Company, Inc., New York, N. Y. Stencils. 228,048; May 24; Serial No. 242,321; published Mar. 15, 1927.

Wallace & Co., New York, to Wallace & Co., Brooklyn, N. Y. Chocolates and candy. 65,578–9; renewed Oct. 8, 1927.

Ware Valley Manufacturing Co. Inc. (See Otis Company, assignor.)

Warland, H. G., Corp., The, New York, N. Y. Silk piece goods. 228,034; May 24; Serial No. 242,975; published Mar. 15, 1927.

Washburn Company, The, Worcester, Mass. Coat and hat hooks, sieves, strainers, shake sifters, etc. 228,162; May 24; Serial No. 233,960; published Feb. 1, 1927.

Weill & Callman, New York, N. Y. Silk piece goods. 228,100; May 24; Serial No. 243,901; published Mar. 15, 1927.

Weisbaum Bros.-Brower Co., The, Cincinnati, Ohio. Neckties. 228,062; May 24; Serial No. 242,698; published Mar. 15, 1927.

West Side Wholesale Grocery Co., Chicago, Ill. Coffee, canned pork and beans, catchup, olives, pickles, etc. 228,256; May 24; Serial No. 203,551; published Mar. 15, 1927.

White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 228,217; May 24; Serial No. 235,241; published Mar. 15, 1927.

Wilkinson, Gaddis & Co., Newark, N. J. Wheat and rye flour. 65,848; renewed Oct. 22, 1927.

Will & Baumer Company, The, to Will & Baumer Candle Co. Inc., Syracuse, N. Y., successor. Candles. 62,417; renewed May 7, 1927.

Willys-Overland Company, The, Toledo, Ohio. Passenger-carrying automobiles. 228,146; May 24; Serial No. 243,836; published Mar. 15, 1926.

Winchester, C. C., doing business as The Sani-Vapor Co., Atlanta, Ga. Disinfectant. 228,247; May 24; Serial No. 241,309; published Mar. 15, 1927.

Wolfhead, Incorporated, New York, N. Y. Women's and children's undergarments. 228,161; May 24; Serial No. 233,048; published July 20, 1926.

Woolen Corporation of America, The, New York, N. Y. Fabrics of wool, worsted, cotton, silk, or rayon fiber or combinations thereof. 228,067; May 24; Serial No. 240,381; published Mar. 15, 1927.

Woolfolk, J. W., Company, Inc., The, Fort Valley, Ga. Insecticides and fungicides. 228,159; May 24; Serial No. 231,424; published Mar. 15, 1927.

Worcester Salt Company, Silver Springs and New York, to Worcester Salt Company, New York, N. Y. Table salt. 65,644; renewed Oct. 15, 1927.

Wreford, William B., Detroit, Mich. Overshoes. 228,129; May 24; Serial No. 241,916; published Mar. 15, 1927.

Yankee Dry Corporation, Brooklyn, N. Y. Nonalcoholic, maltless beverages sold as soft drinks. 228,115; May 24, Serial No. 242,647; published Mar. 15, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Ararat Candy Company. (See Kalkanian, John.)

Beech-Nut Packing Company, Canajoharie, N. Y. Sliced bacon packet. For Bacon. 32,114; May 24.

Benjamin Franklin Cigar Mfg. Co., Inc., Philadelphia, Pa. Hollard's Star. For Cigars. 32,115; May 24.

Bond, Charles, Company, Philadelphia, Pa. Bondaron Solid Round Belting. For Leather Belting. 32,116; May 24.

Burke, T. J., doing business as The Crystal Springs Company, Plainville, Ohio. Glacier. For Carbonated Table Water. 32,117; May 24.

Crevey, William, doing business as Red Monk Medicinal Wine Co., Los Angeles, Calif. Red Monk. For Wine-Bitters Tonic. 32,118; May 24.

Crystal Springs Company, The. (See Burke, T. J.)

De Forest Radio Company, Jersey City, N. J. Genuine Audion by De Forest Type D-O1A. For De Forest-Type D-O1A Audions. 32,119; May 24.

Dennison Manufacturing Co., Framingham, Mass. Dennison's Poker Chips. For Poker Chips. 32,120; May 24.

Dinsmore, Robert M., Little Falls, N. J. Dinsmore Radio Wave Trap Filter. For Radio Wave-Trap Filters. 32,121; May 24.

Fenole Chemical Company. (See Powell, Wylie R.)

Freezer Co., The, South Pasadena, Calif. The Freezer. For Ice Cream and Candy. 32,122; May 24.

Gale, Lawrence O., doing business as The Gale Company, Minneapolis, Minn. Gale's An-Sep-Tic The Wonder Oil. For Antiseptic Preparation. 32,123; May 24.

Gelfand Manufacturing Co., The, Baltimore, Md. Gelfand's Relish Sandwich Spread. For Relish Sandwich Spread. 32,124; May 24.

Hamilton, John D., Company, The, Tacoma, Wash. Icy Flip. For Candy. 32,125; May 24.

Hamilton, John D., Company, The, Tacoma, Wash. Orange Flip. For Candy. 32,126; May 24.

Hamilton, John D., Company, The, Tacoma, Wash. Whip Center. For Candy. 32,127; May 24.
Hamilton, John D., Company, The, Tacoma, Wash. Dutch Treat. For Candy. 32,128; May 24.
Hamilton, John D., Company, The, Tacoma, Wash. Gravy. For Candy. 32,129; May 24.
Hamilton, John D., Company, The, Tacoma, Wash. Rare Bit. For Candy. 32,130; May 24.
Hammermill Paper Company, Erie, Pa. Hammermill Bond Envelopes, Half Thousand, Buff, Regular Finish. For Envelopes. 32,131; May 24.
Hammermill Paper Company, Erie, Pa. Hammermill Bond Envelopes, Half Thousand, White, Regular Finish. For Envelopes. 32,132; May 24.
Hill County Creamery Co. (See Menasha Printing and Carton Company, assignor.)
Iverson, Richard F., Carlstadt, N. J. Neverdrown Bathers Compact. For Life-Saving Devices. 32,133; May 24.
Kalkanian, John, doing business as Ararat Candy Company, Chicago, Ill. O-Kiss Me. For Confectionery. 32,134; May 24.
Knowlan Candy Co., Green Bay, Wis. Candiola. For Candy Bars. 32,135; May 24.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Hill County Creamery Co., Havre, Mont. Glacier Trail. For Butter. 32,136; May 24.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The New York Bakery, Utica, N. Y. Kleen-Maid Bread. For Bread. 32,137; May 24.
New York Bakery, The. (See Menasha Printing and Carton Company, assignor.)
Ogilvie Sisters, New York, N. Y. Peche Creme. For Face Cream. 32,138; May 24.
Powell, Wylie R., doing business as Fenole Chemical Company, Jacksonville, Fla. Flylak Spray. For a Compound Disinfectant, Deodorant, and Insecticide. 32,139; May 24.
Red Monk Medicinal Wine Co. (See Crevey, William.)
Roberts & Oake, Chicago, Ill. Best-O'-Farm. For Eggs. 32,140; May 24.
Schacht Rubber Mfg. Co., Huntington, Ind. Santa. For a Ring Game. 32,141; May 24.
Schacht Rubber Mfg. Co., Huntington, Ind. Clown. For a Ring Game. 32,142; May 24.
Schacht Rubber Mfg. Co., Huntington, Ind. Pumpkin Face. For a Ring Game. 32,143; May 24.
Schacht Rubber Mfg. Co., Huntington, Ind. Jack Rabbit. For a Ring Game. 32,144; May 24.
Sherrick Selling Agency, Norfolk, Va. Two Capes Hosiery. For Hosiery. 32,145; May 24.
Tharinger Macaroni Company, Milwaukee, Wis. Rings Macaroni. For Macaroni. 32,146; May 24.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Claret Punch. For Concentrate. 32,147; May 24.
Waterman, L. E., Company, New York, N. Y. Waterman's Ideal Ink (Blue). For Writing Ink. 32,148; May 24.
Waterman, L. E., Company, New York, N. Y. Waterman's Ideal Ink (Blue Black). For Writing Ink. 32,149; May 24.
Waterman, L. E., Company, New York, N. Y. Waterman's Ideal Ink (Azul Negra). For Writing Ink. 32,150; May 24.
Wheat, J. F., Redlands, Calif. Wheat Brand Oranges. For Oranges. 32,151; May 24.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. Bon Voyage Companion Box C 64. For Companion Boxes to Hold Pens, Pencils, Etc. 9,848; May 24.
Capitol Hill Monument Co., Des Moines, Iowa. Diamond-Test Memorials. For Special Monument Memorials. 9,849; May 24.
D & C Co. Inc., The, Wilmington, Del., and Brooklyn, N. Y. For Dessert My-T-Fine. For Dessert Preparations. 9,850; May 24.
Herrera, Anna E., Baltimore, Md. Complexion Vapor Veil. For Vapor Veils. 9,851; May 24.
Reed & Barton, Taunton, Mass. The Story of The Spoon No. 3. For Silverware. 9,852; May 24.
Reed & Barton, Taunton, Mass. The Story of The Fork No. 2. For Silverware. 9,853; May 24.
Reed & Barton, Taunton, Mass. The Story of The Knife No. 2. For Silverware. 9,854; May 24.
Siemon, H., & Sons, Philadelphia, Pa. New Barrels. For Barrels. 9,855; May 24.
Simpson, Evelyn L., Ocean City, N. J. Keep The Juices From Running Out of Your Pies. For Pie Marker and Trimmer. 9,856; May 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aarnham, August R., doing business as The Part of New York Publicity Company, New York, N. Y. Magazine. 246,993; May 24.
Abbott Laboratories, North Chicago, Ill. Bismuth arsphenamine sulphonate. 246,877; May 24.
Addressograph Company, Chicago, Ill. Machines for making printing plates. 246,801; May 24.
"AkeruE" Manufacturing Company, The, Cheyenne, Wyo. Nonfreeze compound. 243,519; May 24.
Alliance Art Products Company, The, Alliance, Ohio. Face powders, face creams, face packs, toilet waters, etc. 247,513; May 24.
Amazon Knitting Company, Muskegon, Mich. Printed rug charts. 245,337; May 24.
American Physical Education Association, Springfield, Mass. Periodicals. 247,158; May 24.
American Retailers Association Inc., New York, N. Y. Blankets made of textile fabrics. 229,426; May 24.
American Woolen Company, Boston, Mass. Woolen piece goods. 246,806; May 24.
Angelo Parodi fu Bartolomeo Societa Anonima, Genoa, Italy. Canned sardines, anchovies, and tunny fish. 222,573; May 24.
Ansonia O & C Company, The, Ansonia, Conn. Elastic webbing. 245,822; May 24.
Armstrong Cork Company, Pittsburgh, Pa. Linoleum and felt-base floor coverings. 246,996; May 24.
Armstrong Cork Company, Pittsburgh, Pa. Linoleum and felt-base floor coverings, both piece goods and rugs. 247,406; May 24.
Ash Grove Lime & Portland Cement Co., Kansas City, Mo. Hydraulic cement. 244,971; May 24.
Associated Merchandising Corporation, New York, N. Y. Perfume. 247,456; May 24.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics in the piece. 247,118; May 24.
Augusta Lime Company, Staunton, Va. Lime. 246,263; May 24.
B and M Manufacturing Company, The, St. Paul, Minn. Adhesive composition. 241,383; May 24.
Bader, David, doing business as Radium Adv. Co. of America, New York, N. Y. Printed advertising signs. 209,073; May 24.
Barton, George W., San Diego, Calif. Beverage sold as a soft drink. 246,658; May 24.
Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof, lenses, Mangin mirrors, etc. 243,993; May 24.
Bealor, John T., doing business as Cambridge Pliable Brick Company, Cambridge, Ohio. Plastic refractory material. 245,884; May 24.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 246,382; May 24.
Beardsley & Piper Company, The, Chicago, Ill. Publications. 247,246; May 24.
Beaver Products Company, Inc., The, Buffalo, N. Y. Wall board. 194,328; May 24.
Bergman Tool Mfg. Co., Buffalo, N. Y. Tools. 244,976; May 24.
Bess, W. E., Sedalia, Mo. Preparation for use in the treatment of colds, in grippe, etc. 244,848; May 24.
Bilt-Rite Baby Carriage Co., Brooklyn, N. Y. Baby carriages. 245,135; May 24.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 245,419; May 24.
Brooke, C. M., & Sons, South Melbourne, Victoria, Australia. Beverages and sirups for making same. 225,700; May 24.
Brown, Charles, & Company, Inc., New York, N. Y. Canton silk in the piece. 246,884; May 24.
Buck and Rayner, Chicago, Ill. Almond cream, bandoline, benzoin lotion, bath salts, etc. 243,412; May 24.
Building and Realty News, Inc., White Plains, N. Y. Periodicals. 247,166; May 24.
Bunte Brothers, doing business as Bunte, Chicago, Ill. Candy. 246,813; May 24.
Cambridge Pliable Brick Company. (See Bealor, John T.)
Cambridge Rubber Company, Cambridge, Mass. Boots, shoes, and overshoes made of rubber. 247,065; May 24.
Cameron-Sprowls Pharmacy Co., Superior, Wis. Preparation for the treatment of the skin, etc. 245,889; May 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canada Dry Ginger Ale, Incorporated, New York, N. Y. Fruit juices, fruit-juice compounds and beverages. 245,691; May 24.
Capeway Bakery Inc., Braintree, Mass. Cake. 228,409; May 24.
Carll Canning Co., Gorham, Me. Canned vegetables. 246,738; May 24.
Carpenter, W. D., Co., Inc., Syracuse, N. Y. Insecticides. 247,776; May 24.
Chase Candy Company, St. Joseph, Mo. Candy. 246,015; May 24.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn. Storage tanks. 245,830; May 24.
Chicago Paint Works, Chicago, Ill. Asbestos roof cement. 229,157; May 24.
Chili Products Corporation, Los Angeles, Calif. Ground chili peppers. 245,251; May 24.
Chili Products Corporation, Los Angeles, Calif. Ground chili peppers. 245,253; May 24.
Chili Products Corporation, Los Angeles, Calif. Ground chili peppers. 245,255; May 24.
Cizauckas, Mary, Springfield, Ill. Salve and a medicine for blood poisoning. 239,969; May 24.
Clark Grave Vault Co., The, Columbus, Ohio. Grave vaults. 246,195; May 24.
Colgate & Company, Jersey City, N. J. Soap. 245,782; May 24.
Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings of the oiled-cloth type. 246,198; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roof paint. 244,045; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roofing material. 244,046; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Roofing material—namely, sheathing. 244,047; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Roofing materials. 244,048; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roofing material. 244,050; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Roofing material. 244,051–3; May 24.
Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roofing material. 244,054; May 24.
Cooke, Daniel N., New York, N. Y. Silk piece goods. 247,525; May 24.
Cooper Corp., The, Cincinnati, Ohio. Inner tubes for pneumatic tires. 246,081; May 24.
Cork Import Corporation, New York, N. Y. Cork pipe, cork board, and cork tile. 227,397–9; May 24.
Craven, John C., San Francisco, Calif. Abrasive, polishing, and finishing wheel for dental, jewelry, and other work. 245,426; May 24.
Creek Chub Bait Co., The, Garrett, Ind. Artificial baits. 244,291; May 24.
Crystal Carbonic Laboratory, Atlanta, Ga. Saline eliminants. 245,895; May 24.
Daily Trade Record Co. of New York, New York, N. Y. Daily newspaper. 244,140; May 24.
Danner-Glasner & Co., Martinsburg, W. Va. Beverages sold as soft drinks. 244,431; May 24.
Davex Corporation, New York, N. Y. Preparation for removing dandruff, hair tonic, hairdressing, etc. 246,083–4; May 24.
Deep Sea Salmon Company, Inc., Seattle, Wash. Canned salmon. 244,749; May 24.
Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, Berlin, Germany. Gas mantles. 245,783; May 24.
Deutsche Gasluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, Berlin, Germany. Upright and inverted gas mantles. 246,086; May 24.
Deutsche Gasluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, Berlin, Germany. Upright and inverted gas mantles. 246,333; May 24.
Diamond Product Company. (See Krug, Herbert F.)
Diamond Tool Co., Seattle, Wash. Wrenches, punches, cold chisels, etc. 205,913; May 24.
Dill Co., The, Norristown, Pa. Insecticides. 247,729; May 24.
Dunn, W. E., Manufacturing Co., Holland, Mich. Roofing tile and flooring tile. 244,398; May 24.
Duplex Silk Mills, Inc., New York, N. Y. Heavy silk crepe in the piece. 237,018; May 24.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Fungicide, seed disinfectant. 246,674; May 24.
Durand & Huguenin S. A., Basel, Switzerland. Artificial dyestuffs and chemical products for dyeing and printing. 246,533; May 24.
Durven, Nina L., New York, N. Y. Fabric of piece goods. 246,675; May 24.
Eberhardt, Julian H. E., doing business as The Long-Ease Co., Savannah, Ga. Reconstructive tonic and healing expectorant. 247,527; May 24.
Elliott, George W., doing business as Jolly Boy Company, Houston, Tex. Ice cream. 247,267; May 24.
Enamel Products Company, The, Cleveland, Ohio. Metal braces for furniture. 246,019; May 24.
Esmond Mills, The, Esmond, Smithfield, R. I. Cotton piece goods. 247,174; May 24.
Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Antiknock compounds for motor fuel. 247,365; May 24.
Eublen Pure Food Products Company. (See McClintock, George W.)
Ever Fresh Butter Corporation, New York, N. Y. Butter. 247,420; May 24.
Exolon Company, The, Blasdell, N. Y. Refractory materials. 245,257; May 24.
Farmers Manufacturing Company, Norfolk, Va. Fruit and vegetable wooden packages and parts thereof. 246,893; May 24.
Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 246,538–40; May 24.
Fegely, H. H., Limeport, Pa. Dairy products. 228,690; May 24.
Fischer, Carl, Inc., New York, N. Y. Violin cases. 246,945; May 24.
Fitz Patrick, A. L., Philadelphia, Pa. Live cows. 237,732; May 24.
Fitz Patrick, A. L., Philadelphia, Pa. Live cows. 246,605; May 24.
Fligel, Ben., doing business as Ben Fligel Company, New York, N. Y. Raincoats. 245,900; May 24.
Flour Distributing Co., Newark, N. J. Wheat flour. 246,021–2; May 24.
Forgan, Robert, & Son, Ltd., St. Andrews, Scotland. Golf clubs. 236,317; May 24.
Frank, A. B., Company, San Antonio, Tex. Work shirts. 244,354; May 24.
Franklin, H. H., Manufacturing Company, Syracuse, N. Y. Automobiles. 222,023; May 24.
French Beauty Products Co., Inc., New York, N. Y. Tooth paste and talcum powder. 246,398; May 24.
Friderichsen Floor & Wall Tile Co., Independence, Mo. Ceramic tiles, surfacings, nosings, railings, and wall facings. 245,432; May 24.
Gagan, George C., Mount Vernon, N. Y. Bleaching compound. 246,343; May 24.
Galeno Chemical Co., Inc., New York, N. Y. Medical preparation. 245,089; May 24.
Gallert, Theodore, New York, N. Y. Hand bags, pocketbooks. 244,822; May 24.
Gardiner Hall Jr. Company, The, South Willington, Conn., and New York, N. Y. Thread. 247,185; May 24.
Garfunkel, A., & Co., Inc., New York, N. Y. Socks, shoes, slippers, underwear, etc. 244,553; May 24.
Gash-Stull Company, Chester, Pa. Pneumatic tires, rubber belting, and canvas belting. 246,828; May 24.
General Electric Company, Schenectady, N. Y. Maximum-temperature indicators for transformers. 235,734; May 24.
General Porcelain Company, Parkersburg, W. Va. Porcelain insulator knobs. 245,626; May 24.
General Typewriter Exchange, New York, N. Y. Typewriters. 245,705; May 24.
Gerré, Inc., New York, N. Y. Face powders, face creams, face packs, toilet waters, rouges, etc. 247,181; May 24.
Golden West Brewing Company, Oakland, Calif. Malt beverages. 245,264–6; May 24.
Goldman, Julian, Stores, Inc., The, New York, N. Y. Suits, overcoats, coats, trousers, vests, skirts, and dresses. 246,030; May 24.
Gotham Children's Underwear Co., New York, N. Y. Underwear. 246,204; May 24.
Green, A. P., Fire Brick Company, Mexico, Mo. Firebrick cement. 246,206; May 24.
Greene Sloane & Co., Inc., New York, N. Y. Piece goods of cotton and rayon. 247,471; May 24.
H. Bahlsens Keksfabrik Aktiengesellschaft, Hanover, Germany. Cocoa, chocolate, sweetmeats, cakes, biscuits, etc. 240,843; May 24.
Hanover Cordage Company, Hanover, Pa. Coarse-finished twine. 247,430; May 24.
Harpic Manufacturing Company, Limited, London, England. Dry, paste, or ready-mixed paints, varnishes, and paint enamels. 246,345; May 24.
Harris, Leonard A., doing business as Rotax Manufacturing Co., Newark, N. J. Screws, washers, rivets, etc. 244,864; May 24.
Harry, Carl L., doing business as National Advertising Company, Detroit, Mich. Magazine. 247,734; May 24.
Hauptman, M., Inc., New York, N. Y. Overcoats, topcoats, trousers, vests, and jackets. 246,901; May 24.
Heineman, Leo, New York, N. Y. Cleaning preparation. 228,107; May 24.
Helmer, Philip E., Pinconning, Mich. Nonclogging radiator liquid. 245,908; May 24.
Henrix-Luebbert Mfg. Co. Inc., San Francisco, Calif. Tents. 244,693; May 24.
Hercules Gasoline Co., Los Angeles, Calif. Cleaning fluid. 244,155; May 24.
Hershey, Geo. S., doing business as George S. Hershey Company, Los Angeles, Calif. Powder puffs. 246,208; May 24.
Hewlett Bros. Company, Salt Lake City, Utah. Jams, jellies, and crushed fruits. 245,715; May 24.
Hirsh, Henry, doing business as Home Beverage Co., Chicago, Ill. Malt sirup for food and beverage purposes. 243,211; May 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hodge, William H., Holder, Fla. Medicine compound for treating sores and skin diseases. 246,406; May 24.
Holland-Wirt Company, Laramie, Wyo. Apparatus for renovating gasoline for use in dry-cleaning systems. 241,159; May 24.
Holt & Company, Inc., New York, N. Y. Wheat flour. 246,027; May 24.
Home Beverage Co. (See Hirsh, Henry.)
Hurley Shoe Company, Rockland, Mass. Leather shoes. 245,272; May 24.
Independence Produce Company, Independence, Iowa. Eggs. 247,538; May 24.
International Geneva Association, Inc., New York, N. Y. Magazine publication. 245,493; May 24.
Italy Laboratories. (See Martino, Antonino R.)
Ivy Corset Company, Worcester, Mass. Corsets and brassières, bandeaux, and combinations thereof. 245,214; May 24.
Jahant, Walter V., Lodi, Calif. Fresh grapes. 238,118; May 24.
Jelleff, Frank R., Inc., Washington, D. C. Hosiery. 242,996; May 24.
Jolly Boy Company. (See Elliott, George W.)
Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Hot-rolled and cold-finished steel bars. 235,930; May 24.
Jordan Marsh Company, Boston, Mass. Blankets, bedspreads, and comfortables. 134,206; May 24.
Kalon Products Company, Kansas City, Mo. Combined germicide, insecticide, soil builder, and plant food for lawns, etc. 245,273; May 24.
Kansas Flour Mills Corporation, The, Kansas City, Mo. Stock and poultry feeds. 247,321; May 24.
Kenlit Mfg. Co., Medford, Mass. Luncheon sets, tray cloths, tablecloths, and silence cloths. 236,169; May 24.
Klug, Robert P., Ellsworth, Me. Fuel economizer for heating plants. 246,483; May 24.
Kleinert, I. B., Rubber Company, New York, N. Y. Lap rugs of combination of cotton, wool, and rubber. 245,498; May 24.
Kline, Gertrude, Allentown, Pa. Weighing hammocks. 247,088; May 24.
Klorex, Inc., Indianapolis, Ind. Inhalent medication in paste or semiliquid form. 245,349; May 24.
Knapik, Hedvig, New York, N. Y. Ointment. 247,546; May 24.
Ko-Cln-Ko Company, The, Oklahoma City, Okla. Tooth paste. 242,300; May 24.
Ko-Cln-Ko Company, The, Oklahoma City, Okla. Baby balm. 242,301; May 24.
Koehler, Harry N., Brawley, Calif. Fresh citrous and deciduous fruits. 247,482; May 24.
Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Paper weights, propelling pencils, penholders, etc. 234,849; May 24.
Kopa Corporation, The, Fort Worth, Tex. Product made from grain and fruits. 245,400; May 24.
Kopa Corporation, The, Fort Worth, Tex. Product made drinks. 245,401; May 24.
Krug, Herbert F., doing business as Diamond Product Company, Detroit, Mich. Cloth, metal goods, and paper cleaner. 229,183; May 24.
Krupp, Haymon, & Co., El Paso, Tex. Sweaters, sweater coats, sport coats, and lumber jackets. 245,564; May 24.
Larabee Flour Mills Company, The, Kansas City, Mo. Wheat flour. 247,332; May 24.
Lewis Asphalt Engineering Corporation, New York, N. Y. Asphalt. 245,356; May 24.
Lionel Trading Co. Inc., New York, N. Y. Perfumes. 173,513; May 24.
Lloyd Brothers, Pharmacists, Inc., Cincinnati, Ohio. Soap. 246,100; May 24.
Long-Ease Co., The. (See Eberhardt, Julian H. E.)
Lorenz, Jacob, St. Louis, Mo. Medicine for gonorrhea. 245,568; May 24.
Macfadden Publications Incorporated, New York, N. Y. Magazine. 247,192; May 24.
Madelon Modes, Inc. (See Ogus, Rabinovich and Ogus, Inc., assignor.)
Magnesia Products, Inc., Atlanta, Ga. Medicated chewing gum. 245,995; May 24.
Maison A. Gazzoni & Compania, Bologna, Italy. Product formed of a combination of powders. 243,937; May 24.
Majestic Silk Mills, Inc., New York, N. Y. Silk piece goods. 247,337; May 24.
Marquisette, Inc., Brooklyn, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 246,299; May 24.
Martino, Antonino R., doing business as Italy Laboratories, New York, N. Y. Medicinal preparation for the treatment of hemorrhoids and piles. 247,378; May 24.
Masterpiece Hosiery Mills, New York, N. Y. Hosiery, underwear, negligees, sweaters, etc. 244,020; May 24.
McClintock, George W., doing business as Eublen Pure Food Products Company, Cincinnati, Ohio. Coffee mixture. 246,105; May 24.
McKee, W. C., Columbus, Ga. Insecticides and rodenticides. 247,440; May 24.
McKesson & Robbins, Incorporated, Bridgeport, Conn. Quinine sulphate (U. S. P.), cinchonine sulphate (U. S. P.), chlorophyll aqueous, etc. 246,763; May 24.
Merchants Fertilizer & Phosphate Company, Charleston, S. C. Fertilizer. 240,871; May 24.
Merrill, Patterson D., Chicago, Ill. Shortening mixer. 247,138; May 24.
Michael, Michael G., doing business as Michael School of Acrobatics, New York, N. Y. Girdles. 246,560; May 24.
Middishade Company, Inc., The, Philadelphia, Pa. Coats, vests, trousers, and suits. 246,919; May 24.
Middishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits. 246,920; May 24.
Miller Rubber Company, The, Akron, Ohio. Boots, shoes, and overshoes. 244,836; May 24.
Mission Citrus Association, Redlands, Calif. Citrous fruits. 247,485; May 24.
Mohawk Condensed Milk Company, New York, N. Y. Condensed milk. 246,302; May 24.
Möller, Peter, A/S, Oslo, Norway. Cod-liver oil. 242,347; May 24.
Mothproof Rug Bag Company, Savannah, Ga. Rug bags. 246,426; May 24.
Moval Products Co. (See Todd, Verne J.)
National Advertising Company. (See Harry, Carl L.)
Navie Chemical Co., San Francisco, Calif. Castor-oil emulsion. 247,201; May 24.
NEA Service Inc., Cleveland, Ohio. Comic strip. 247,093; May 24.
Neighbor Products Co., Chicago, Ill. Alimentary pastes. 246,971; May 24.
Newark Varnish Works, Inc., Newark, N. J. Lacquers. 246,306–7; May 24.
Nicholes, B. L., & Co. Inc., New York, N. Y. Dusters, heaters, and coolers and parts thereof for printing and enameling machines. 247,140; May 24.
North American Brewing Company, Brooklyn, N. Y. Near beer. 245,573; May 24.
North & Judd Manufacturing Company, New Britain, Conn. Belt trimmings and buckles. 242,846–7; May 24.
Nowlin, A. S., & Company, Lynchburg, Va. Coal. 246,219; May 24.
Ogus, Rabinovich and Ogus, Inc., assignor to Madelon Modes, Inc., New York, N. Y. Hats. 201,675; May 24.
O'Keefe's Beverages, Limited, Toronto, Ontario, Canada. Beverages. 174,588; May 24.
Osborn, Louis G., doing business as Louis G. Osborne Sales Co., Vineland, N. J. Canned soup and seasoning. 240,923; May 24.
Outlook Company, The, New York, N. Y. Periodical. 247,490; May 24.
Pacific Coast Talc Company, Los Angeles, Calif. Talc. 242,246; May 24.
Pacific Coast Talc Company, Los Angeles, Calif. Talc. 242,248–9; May 24.
Pacific Dry Goods Company, The, San Francisco, Calif. Fortune-telling game. 246,221; May 24.
Parfums Edonardo, a Corporation, New York, N. Y. Perfumes. 247,634; May 24.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Snap fasteners. 246,361; May 24.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Rubber soles for shoes and rubber heels for shoes. 246,980; May 24.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Shoulder-strap ribbon. 246,981; May 24.
Pfau, Max, Hosiery Mill Inc., Reading, Pa. Knit hosiery. 246,769; May 24.
Photomaton, Inc., New York, N. Y. Photographic prints 246,362–3; May 24.
Plana, Salvador B., Barcelona, Spain. Wine. 228,864; May 24.
Plastic Products Company, Detroit, Mich. Putties. 242,905; May 24.
Port of New York Publicity Company, The. (See Aarnham, August R.)
Poultry Tribune Company, Mount Morris and Chicago, Ill. Poultry tribune. 247,209; May 24.
Pressman & Aaronson, New York, N. Y. Rompers. 245,517; May 24.
Primary Oil Company, Wapello, Iowa. Lubricating and fuel oils and greases. 245,862; May 24.
Puyallup & Sumner Fruit Growers Association, Puyallup, Wash. Canned vegetables and fresh vegetables. 246,770; May 24.
Radium Adv. Co. of America. (See Bader, David.)
Redman, Vesba T., Washington, D. C. Nom de plume for newspaper sections, etc. 247,495; May 24.
Red Star Milling Company, The, Wichita, Kans. Wheat flour. 208,825; May 24.
Red Sun Products Company, Chicago, Ill. Malt sirup for food purposes. 246,435; May 24.
Retail Lumberman Publishing Co., Kansas City, Mo. Magazine. 247,040; May 24.
Rhoads, J. E., & Sons, Philadelphia, Pa. Woven fabric belts. 247,041; May 24.
Ripley Fish Co., Inc., Seattle, Wash. Salmon eggs used for trout bait. 244,789; May 24.
Robertson, H. H., Company, Pittsburgh, Pa. Metal sheets. 228,937; May 24.
Rotax Manufacturing Co. (See Harris, Leonard A.)
Rubyette Co., The, San Francisco, Calif. Preserved and canned raisins and grapes. 245,372; May 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rubyette Co., The, San Francisco, Calif. Preserved and canned raisins and grapes. 245,374; May 24.
Rurup, Ernest G., doing business as Scientific Laboratories of America, San Francisco and Roseville, Calif. Preparation for reducing weight. 230,051; May 24.
Sani Paper Products Co., Inc., Philadelphia, Pa. Fiber baking receptacles. 246,181; May 24.
Saranac Glove Co., Littleton, N. H. Leather gloves and mittens. 245,455; May 24.
Sawyer, McLaran, St. Louis, Mo. Ready-mixed paints. 241,904; May 24.
Schantz, Joseph, doing business as T. U. T. Mfg. Co., Newark, N. J. Medicinal preparation. 247,215; May 24.
Schmidt Baking Company, Inc., Baltimore, Md. Bread, cake, buns, crullers. 240,882; May 24.
Schoenborn, Clarence E., Buffalo, N. Y. Gas-burning heating apparatus. 245,585; May 24.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Antiseptic fabric. 245,752; May 24.
Scientific Laboratories of America. (See Rurup, Ernest G.)
Scott, Abraham L., New York, N. Y. Publication. 245,754; May 24.
Semon Bache & Company, New York, N. Y. Sheet glass, window glass, and plate glass. 245,520; May 24.
Shepard, Frank D., Saginaw, Mich. Soot cleaner. 244,188; May 24.
Shillman, M. & S., Brooklyn, N. Y. Dolls' blankets, carriage-outfit sets, and pillows. 243,392; May 24.
Silica Gel Products Corporation, The, Baltimore, Md. Toilet powder. 245,930–2; May 24.
Simon, R. & H., Company, Union City, N. J. Satin piece goods. 246,128; May 24.
Simon-Rosenberg Shirt Corp., New York, N. Y. Shirts, collars, blouses, knit underwear. 243,393; May 24.
Smiley, Orvall, Indianapolis, Ind. Prophylactic preparations. 246,130; May 24.
Society Maid Hosiery Company, Inc., New York, N. Y. Women's hosiery. 246,641; May 24.
Southwark Food Products Co., Philadelphia, Pa. Malt sirup. 241,968; May 24.
Spexout Products Co. (See Steckler, Louis.)
Standard Biscuit Company, Des Moines, Iowa. Crackers. 247,293; May 24.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing and polishing compounds and detergents. 230,808; May 24.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 232,361; May 24.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 232,363; May 24.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 232,365; May 24.
Stearns, Frederick, & Company, Detroit, Mich. Wine of cod-liver oil. 238,408; May 24.
Steckler, Louis, doing business as Spexout Products Co., New York, N. Y. Dry cleaner and spot remover. 246,643; May 24.
Stewart Paint Mfg. Co., Minneapolis, Minn. Mixed paint ready for use. 246,446; May 24.
Stiegler Bros., San Francisco, Calif. Cloth made from wool, cotton, and woolen mixtures for use in making outer garments. 238,142; May 24.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 246,644; May 24.
Stone & Gropper, Inc., New York, N. Y. Hand bags. 247,149; May 24.
Stone-Tarlow Co. Inc., Brockton, Mass. Leather shoes. 245,522; May 24.
Strickler, David E., Latrobe, Pa. General tonic. 247,578; May 24.
Studebaker Corporation, The, South Bend, Ind. Automobiles. 246,237–8; May 24.
Superior Steel Bed Co. Inc., Brooklyn, N. Y. Brass and iron beds. 245,936; May 24.
Syracuse Electrotyping Co., The, Syracuse, N. Y. Electrotypes, matrices, etc. 244,729; May 24.
T. U. T. Mfg. Co. (See Schantz, Joseph.)
Taylor, Judith, Timberlake, N. C. Powder puffs. 246,448; May 24.
Thonet-Wanner Company, New York, N. Y. Furniture. 242,865; May 24.
Todd, Verne J., doing business as Moval Products Co., Seattle, Wash. Chemical cleaner. 245,669; May 24.
Tullis, Mary E., Birmingham, Ala. Hair grower, hair tonic, face cream, and face lotion. 242,319; May 24.
Twitchell-Champlin Company, The, Portland, Me., and Boston, Mass. Medicinal preparations for neuralgia, headache, rheumatism, colds, etc. 243,984; May 24.
United Hardware & Tool Corporation, New York, N. Y. Carpenters' braces and chucks. 247,107; May 24.
United States Fastener Company, The, South Boston, Mass. Pin fasteners. 245,873; May 24.
United States Hoffman Machinery Corporation, The, New York, N. Y. Garment presses. 229,530; May 24.
United States Quarry Tile Co., East Sparta, Ohio. Quarry tile. 246,245; May 24.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Jar rings. 243,730; May 24.
Utica Duxbak Corporation, Utica, N. Y. Hunting coats. 246,577; May 24.
Valley City Coffee & Spice Mills, Lee & Cady, Owners, Saginaw, Mich. Coffee. 228,713; May 24.
Vancouver Sheet Metal & Furnace Works, Vancouver, Wash. Heating furnaces. 242,972; May 24.
Walnut Creek Milling Co., The, Great Bend, Kans. Wheat flour. 247,230; May 24.
Warrior Cement Corporation, Spocari, Ala., and Chattanooga, Tenn. Portland cement. 244,583; May 24.
Welt-Wachs-Werk Egbert Günther Söhne, Dresden, Germany. Polishing materials. 245,674; May 24.
West Liberty Cooperative Creamery Company, West Liberty, Iowa. Butter. 247,508; May 24.
Wester Bros., New York, N. Y. Razors. 247,109; May 24.
Western Chemical Company, St. Joseph, Mo. Liquid insecticide spray. 243,902; May 24.
What Cheer Clay Products Company, What Cheer, Iowa. Underdrain tile, draintile, flue lining, sewer pipe, and wall coping. 238,471; May 24.
Williams, Calvin B., Philadelphia, Pa. Preparation for the treatment of leucorrhea (whites), etc. 242,403; May 24.
Willis, Charles E., New York, N. Y. Picture-frame-holding pins. 246,189; May 24.
Wisconsin Knife Works, Inc., Clinton, Wis. Cutter heads for woodworking machinery. 245,946; May 24.
Wood, John H., Company, Philadelphia, Pa. Preparation for the relief of hoarseness, colds, coughs, sore throat, and bronchitis. 246,456; May 24.
Wright, Donald T., St. Louis, Mo. Magazine. 246,988; May 24.
Yale University Press, Inc., New Haven, Conn. Publications. 247,052; May 24.
Young Laboratories, The, Bay City, Mich. Antifouling compound. 246,871; May 24.
Your Garden Publishing Company, Inc., Cleveland, Ohio. Publication. 246,944; May 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. W. G. Block Company. 228,250; May 24; Serial No. 241,860; published Mar. 8, 1927.
Coal. W. G. Block Company. 228,252; May 24; Serial No. 241,862; published Mar. 8, 1927.
Coal. Meador and Young. 228,106; May 24; Serial No. 242,345; published Mar. 8, 1927.
Coal. Moline Consumers Company. 228,253; May 24; Serial No. 242,240; published Mar. 8, 1927.
Stone, Crushed, ground, and pulverized. A. H. Lloyd. 228,248; May 24; Serial No. 241,419; published Mar. 8, 1927.

CLASS 2.

Bottles and containers, Vacuum. Keapait Bottle Company. 228,040; May 24; Serial No. 242,836; published Mar. 15, 1927.
Boxes, Cardboard. Edwin J. Schoettle Company. 228,098; May 24; Serial No. 243,501; published Mar. 15, 1927.
Cans, Paper. Purity Paper Vessels Company. 228,037; May 24; Serial No. 242,906; published Mar. 15, 1927.
Cans, Paper. Purity Paper Vessels Company. 228,071; May 24; Serial No. 238,918; published Mar. 15, 1927.

CLASS 4.

Cleaner. Roemhildt Co. 228,271; May 24.
Cleaning and scouring compound. Fitzpatrick Bros. 228,186; May 24; Serial No. 241,711; published Mar. 15, 1927.
Cleaning fluid for closet bowls and urinals. Great Northern Chemical Company. 228,134; May 24; Serial No. 242,000; published Mar. 15, 1927.
Cleaning preparations. Midland Chemical Laboratories, Inc. 228,222; May 24; Serial No. 236,765; published Mar. 15, 1927.
Cleansing and scouring preparation. I. Silverman. 228,092; May 24; Serial No. 243,286; published Mar. 15, 1927.
Cleansing and washing compound. N. A. Alexander. 228,174; May 24; Serial No. 241,196; published Mar. 15, 1927.
Polishes and creams, Shoe. George Bros. Mfg. Co. 228,051; May 24; Serial No. 242,478; published Mar. 15, 1927.
Preparation for cleaning the hands, etc. King of All Cleaner Company. 228,257; May 24; Serial No. 207,083; published Mar. 15, 1927.

Soap. Brown Soap Co. 65,194; renewed Sept. 10, 1927.
Soap. R. M. Hollingshead Co. 228,064; May 24; Serial No. 237,268; published Mar. 15, 1927.
Soap. Premier Appliance Co. 228,254; May 24; Serial No. 200,829; published Mar. 15, 1927.
Soaps. F. Procházka, Ltd. 228,214; May 24; Serial No. 235,069; published Mar. 15, 1927.
Steel wool and holders therefor, Combination of. Industrial Specialty Corporation. 228,053; May 24; Serial No. 242,539; published Mar. 15, 1927.
Washing powder. A. Anderson. 228,055; May 24; Serial No. 242,561; published Mar. 15, 1927.

CLASS 5.

Paste, Dry. Chicago White Lead & Oil Co. 228,153–4; May 24; Serial Nos. 217,987–8; published Aug. 31, 1926.

CLASS 6.

Chemical products for use in medicine, etc. F. Hoffmann-La Roche & Cie. 29,994; renewed May 11, 1927.
Chemicals and chemical preparations. Viking Laboratories, Incorporated. 228,109; May 24; Serial No. 242,455; published Mar. 15, 1927.
Citrate of magnesia. Lee-Strauss Company. 228,054; May 24; Serial No. 242,541; published Mar. 15, 1927.
Cleanser, water softener, and boiler compound, Solvent. Helpa Products Corporation. 228,111; May 24; Serial No. 242,480; published Mar. 15, 1927.
Color restorer, Hair. Odell Company. 228,112; May 24; Serial No. 242,494; published Mar. 15, 1927.
Compound for the blood and stomach. H. E. Knotzsch. 228,072; May 24; Serial No. 239,118; published Mar. 15, 1925.
Concentrate, Boiler liquid. B. T. Babbitt Inc. 228,166; May 24; Serial No. 236,359; published Mar. 15, 1927.
Cough medicine. La France Laboratories, Inc. 228,122; May 24; Serial No. 242,898; published Mar. 15, 1927.
Cream, Nasal. Leslie Research Company. 228,073; May 24; Serial No. 239,531; published Mar. 15, 1927.
Creams, skin creams, face powders, skin lotions, etc., Face. Golden Mermaid Products Co. 228,236; May 24; Serial No. 240,074; published Mar. 15, 1927.
Denatured alcohol, solvents, esters, ethers, fusel oil, etc. American Solvents & Chemical Corporation. 228,237; May 24; Serial No. 240,579; published Mar. 15, 1927.
Disinfectants. C. C. Winchester. 228,247; May 24; Serial No. 241,309; published Mar. 15, 1927.
Dyes, disinfectants, etc., Coal-tar. General Dyestuff Corporation. 228,108; May 24; Serial No. 242,370; published Mar. 15, 1927.
Dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 228,251; May 24; Serial No. 241,660; published Mar. 15, 1927.
Exterminator for rats. Rat Biscuit Company. 228,228; May 24; Serial No. 243,624; published Mar. 15, 1927.
Extirpating preparations for insects and plants, disinfectants, etc. Chemische Fabrik auf Actien (vorm. E. Schering). 228,156–7; May 24; Serial Nos. 228,356–7; published Mar. 15, 1927.
Inhalant, Liquid. B. M. Pinkham. 228,167; May 24; Serial No. 236,436; published Mar. 15, 1927.
Insect exterminator. M. F. Downey. 228,163; May 24; Serial No. 234,199; published Mar. 15, 1927.
Insecticide or powder, Roach. I. Silverman. 228,231; May 24; Serial No. 243,289; published Mar. 15, 1927.
Insecticides and fungicides. J. W. Woolfolk Company. 228,159; May 24; Serial No. 231,424; published Mar 15, 1927.
Liniment. F. Furin. 228,091; May 24; Serial No. 243,263; published Mar. 15, 1927.
Lotions, toilet waters, sachets, perfumes etc., Toilet. Guy T. Gibson, Incorporated. 228,117; May 24; Serial No. 242,719; published Mar. 15, 1927.
Medical tablets. A. D. Ross. 228,160; May 24; Serial No. 232,697; published Mar. 15, 1927.
Medicinal tonic and liver invigorator. Van Vleet-Mansfield Drug Co. 228,244; May 24; Serial No. 240,635; published Mar. 15 1927.
Ointment. W. H. Frederick. 228,124; May 24; Serial No. 243,047; published Mar. 15, 1927.
Ointments. H. Hogshead. 65,738; renewed Oct. 22, 1927.
Ointments. R. Hudnut's Pharmacy. 63,757; renewed July 9, 1927.
Perfume. Richard Hudnut. 228,105; May 24; Serial No. 242,339; published Mar. 15, 1927.
Perfume. Richard Hudnut. 228,229; May 24; Serial No. 242,338; published Mar. 15 1927.
Perfumery. Société Guerlain. 65,576; renewed Oct. 8, 1927.
Perfumery and face tints. Société Guerlain. 65,575; renewed Oct. 8, 1927.
Pharmaceutical preparation. Ex Lax Manufacturing Co. 228,099; May 24; Serial No. 243,308; published Mar. 15, 1927.
Pine deodorizer, disinfectant, etc. C. B. Dolge Co. 228,104; May 24; Serial No. 242,228; published Mar. 15 1927.
Powder, Tooth and talcum. R. E. Desmond. 62,219; renewed Apr. 23, 1927.
Preparation for preventing and destroying corrosion on the terminals of storage batteries. Cro-Zo Manufacturing Co. 228,116; May 24; Serial No. 242,710; published Mar. 15, 1927.
Preparation for repelling mosquitoes and for relieving irritation from insect bites. Gane & Ingram, Inc. 228,223; May 24; Serial No. 235,948; published Mar. 8, 1927.
Preparation for the complexion. P. E. Porier. 228,243; May 24; Serial No. 239,625; published Mar. 15, 1927.
Preparation for the treatment of diabetes. L. B. Barlett. 228,086; May 24; Serial No. 243,411; published Mar. 15, 1927.
Preservative, Wood. A. J. Gram. 228,164; May 24; Serial No. 234,437; published Mar. 15, 1927.
Remedies, Veterinary. C. Bauer. 228,235; May 24; Serial No. 239,875; published Mar. 15, 1927.
Remedy for affections and diseases of the eye. J. P. W. S. Aymond. 63,413; renewed June 18, 1927.
Rheumatism drops. Anstalt zur Verfertigung der Dr. Sulzberger'schen Flusstinktur. 59,529; renewed Jan. 8, 1927.
Rheumatism drops. Anstalt zur Verfertigung der Dr. Sulzberger'schen Allgemeinen Flusstinktur. 59,530; renewed Jan. 8, 1927.
Salt, Table. Worcester Salt Company. 65,644; renewed Oct 15, 1927.
Salve. R. L. Skiles. 228,232; May 24; Serial No. 243,290; published Mar. 15, 1927.
Shampoo preparation. Ravol Company. 228,249; May 24; Serial No. 241,745; published Mar. 15, 1927.
Starch for laundry and manufacturing purposes. Corn Products Refining Company. 228,245; May 24; Serial No. 240,700; published Mar. 15, 1927.
Stimulant with vitamines, Diuretic. M. S. Valldejuli. 228,125; May 24; Serial No. 240,461; published Mar. 15, 1927.
Toilet preparations and cosmetics. C. F. Runckel. 228,238; May 24; Serial No. 241,791; published Mar. 1, 1927.
Tonic, Hair. Tripoli Barber's Supply Co. Inc. 228,123; May 24; Serial No. 242,928; published Mar. 15, 1927.
Tooth paste, mouth wash, tooth powder, etc. Duborel Corporation. 228,230; May 24; Serial No. 243,202; published Mar. 15, 1927.
Treatment against corrosion, pitting formation, and adhering of scale, Boiler and metal. Ferroxanti World Syndicate Inc. 228,137; May 24; Serial No. 242,074; published Mar. 15, 1927.
Washing blue. J. & J. Colman, Limited. 30,074; renewed Oct. 12, 1927.

CLASS 7.

Clotheslines, Cotton. Cleveland Mill & Power Company. 62,146–7; renewed Apr. 23, 1927.

CLASS 9.

Explosive powder. Independent Non-Freezing Powder Company. 65,442; renewed Sept. 3, 1927.

CLASS 10.

Fertilizer. Swift and Company. 228,204; May 24; Serial No. 231,170; published Mar. 15, 1927.

CLASS 11.

Carbon paper. American Lead Pencil Company. 228,094; May 24; Serial No. 243,470; published Mar. 15, 1927.

CLASS 12.

Cement. North American Cement Corporation. 228,241–2; May 24; Serial Nos. 239,590–1; published Mar. 8, 1927.
Cement. Oneida Cement Co. Ltd. 228,191; May 24; Serial No. 226,504; published Nov. 9, 1926.
Cement compounds for making pipe joints. Leadite Company of America. 61,669; renewed Apr. 2, 1927.
Cement, Portland. Michigan Alkali Company. 228,155; May 24; Serial No. 221,428; published Mar. 8, 1927.
Cement, Portland and artificial Portland. Dodwell & Company. 228,150; May 24; Serial No. 214,063; published Mar. 8, 1927.
Lumber, Dressed and rough. Kolambugan Lumber & Development Co. 228,195; May 24; Serial No. 227,311; published Apr. 27, 1926.
Material for resurfacing and patching concrete and brick floors and the like. Argus Manufacturing Company. 228,107; May 24; Serial No. 242,361; published Mar. 8, 1927.
Sheathing paper. Barrett Manufacturing Company. 62,774; renewed May 28, 1927.

CLASS 13.

Basin cocks or faucets, Compression. Hays Manufacturing Company. 228,142–3; May 24; Serial Nos. 242,188–9; published Mar. 15, 1927.
Bibs, compression faucets, etc., Compression. Hays Manufacturing Company. 228,140; May 24; Serial No. 242,186; published Mar. 15, 1927.
Bibs or faucets, Compression. Hays Manufacturing Company. 228,138; May 24; Serial No. 242,183; published Mar. 15, 1927.
Bibs or faucets, compression stopcocks, shut-off waste tubes, etc., Compression. Hays Manufacturing Company. 228,139; May 24; Serial No. 242,185; published Mar. 15, 1927.
Clasps. Lox Seal Corporation. 228,262; May 24.
Cocks and compression stopcocks, Compression stop and waste. Hays Manufacturing Company. 228,144; May 24; Serial No. 242,190; published Mar. 15, 1927.

Cocks, Compression stop and waste. Hays Manufacturing Company. 228,145; May 24; Serial No. 242,191; published Mar. 15, 1927.
Dish drainers, sponge holders, soap dishes, toothbrush holders, etc. Marlboro Wire Goods Company. 228,260; May 24; Serial No. 222,516; published Mar. 15, 1927.
Hooks, sieves, strainers, shake sifters, fry baskets, etc., Coat and hat. Washburn Company. 228,162; May 24; Serial No. 233,960; published Feb. 1, 1927.
Metal heel plates for boots and shoes. Louis Sacks Inc. 228,101; May 24; Serial No. 243,864; published Mar. 15, 1927.
Nails, Horse. Capewell Horse Nail Company. 228,103; May 24; Serial No. 243,688; published Mar. 15, 1927.
Nails, Shoe. C. F. Baker & Co. 228,096; May 24; Serial No. 243,473; published Mar. 15, 1927.
Sink fixtures or faucets, etc., Compression. Hays Manufacturing Company. 228,141; May 24; Serial No. 242,187; published Mar. 15, 1927.

CLASS 15.

Candles. Will & Baumer Company. 62,417; renewed May 7, 1927.

CLASS 16.

Paint, enamels, etc. Lehman Bros., Inc. 228,268; May 24.

CLASS 17.

Cigarettes and smoking tobacco. Orientalische Tabak und Cigarettenfabrik Yenidze, Inhaber Hugo Zietz. 65,682; renewed Oct. 15, 1927.
Cigars, cheroots, and little cigars. V. M. Antuono. 65,547–8; renewed Oct. 8, 1927.

CLASS 19.

Automobiles. Studebaker Corporation. 228,165; May 24; Serial No. 236,348; published Feb. 15, 1927.
Automobiles, Passenger-carrying. Willys-Overland Company. 228,146; May 24; Serial No. 243,836; published Mar. 15, 1927.
Cars, Motor. Societa Anonima Italiana Ing. Nicola Romeo & C. 228,220; May 24; Serial No. 235,434; published Mar. 15, 1927.
Parachutes, parachute packs, and harness. Irving Airchute Company. 228,084–5; May 24; Serial Nos. 243,366–7; published Mar. 15, 1927.
Parachutes, parachute packs, etc. Irving Airchute Company, Inc. 228,087; May 28; Serial No. 243,865; published Mar. 15, 1927.
Tricycles or wheel chairs. F. H. Stocking. 228,082; May 24; Serial No. 243,462; published Mar. 15, 1927.

CLASS 21.

Electrically recording sound on metal and electrically reproducing such sound, Machines for. Record-O-Phone Company. 228,196; May 24; Serial No. 227,604; published Feb. 15, 1927.

CLASS 22.

Game played with tenpins, balls, and a club, Outdoor or indoor. G. B. Allen. 228,118; May 24; Serial No. 242,767; published Mar. 15, 1927.
Sleds. C. C. Cousins, jr. 228,121; May 24; Serial No. 242,880; published Mar. 15, 1927.
Swimming float for bathers. W. J. Haynes. 228,113; May 24; Serial No. 242,587; published Mar. 15, 1927.
Toy figures made of wood. Perkins & Willmott, Inc. 228,114; May 24; Serial No. 242,611; published Mar. 15, 1927.
Toy furniture. H & P Company. 228,246; May 24; Serial No. 240,783; published Mar. 15, 1927.

CLASS 23.

Conveyers. F. L. Smidth & Co. 228,126; May 24; Serial No. 241,845; published Mar. 15, 1927.
Engines, Device for controlling the supply of ignitable hydrocarbon mixtures to internal-combustion. Hopewell Brothers. 228,203; May 24; Serial No. 230,887; published Mar. 15, 1927.
Gear-shifting device, Vacuum. Planator Gear Shift Company. 228,219; May 24; Serial No. 235,316; published Mar. 15, 1927.
Grinders and devices and part thereof, Cylinder. Hutto Engineering Co. 228,194; May 24; Serial No. 227,233; published Mar. 15, 1927.
Planers, hand jointers, shapers, etc., Power-feed facing. C. O. Porter Machinery Company. 228,226; May 24; Serial No. 243,065; published Mar. 15, 1927.
Printing machines, Check-. Ritcall Checkwriter Corporation. 228 131; May 24; Serial No. 241,959; published Mar. 15, 1927.
Razors and shears. Eble & Hagemann. 228,069; May 24; Serial No. 238,115; published Mar. 15, 1927.
Sewing machines. White Sewing Machine Corporation. 228,217; May 24; Serial No. 235,241; published Mar. 15, 1927.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 228,227; May 24; Serial No. 243,637; published Mar. 15, 1927.
Vacuum cleaners. Quality Hardware and Machine Co. 228,036; May 24; Serial No. 242,907; published Mar. 15, 1927.

CLASS 26.

Cyclometers, odometers, engine counters, and fluid meters. Buffalo Meter Company. 30,861; renewed July 13, 1927.
Photographic goods. Ansco Photoproducts, Inc. 228,095; May 24; Serial No. 243,471; published Mar. 15, 1927.
Plumbago or graphite, Articles made of. Morgan Crucible Company. 63,199; renewed June 11, 1927.
Spectacles and eyeglasses. American Optical Company. 30,687; renewed Oct. 19, 1927.

CLASS 29.

Toothbrushes. A. R. Munn, Inc. 228,120; May 24; Serial No. 242,842; published Mar. 15, 1927.

CLASS 31.

Refrigerators. Baldwin Refrigerator Co. 65,521; renewed Oct. 8, 1927.
Refrigerators and refrigerator parts. Leonard Refrigerator Company. 228,216; May 24; Serial No. 235,152; published Mar. 15, 1927.

CLASS 32.

Furniture, Bent-wood. Thonet Brothers. 54,066; renewed June 19, 1926.
Furniture, Upholstered. Michigan Seating Company. 228,049; May 24; Serial No. 242,346; published Mar. 15, 1927.
Mattresses. Standard Mattress and Furniture, Inc. 228,225; May 24; Serial No. 243,669; published Mar. 15, 1927.
Prie dieus. Holland Brass Works. 228,190; May 24; Serial No. 225,922; published Mar. 15, 1927.

CLASS 33.

Glassware. Libbey Glass Manufacturing Company. 228,079; May 24; Serial No. 240,268; published Mar. 15, 1927.

CLASS 34.

Gas water heaters. Detroit Range Boiler & Steel Barrel Company. 228,168; May 24; Serial No. 240,809; published Mar. 15, 1927.
Lamp shades. H. Rogovin. 228,158; May 24; Serial No. 230,684; published Mar. 8, 1927.
Stoves, ranges, heaters, etc. Montgomery Ward & Co. 228,263; May 24.

CLASS 35.

Leather belting. Cleveland Oak Belting Co. 228,078; May 24; Serial No. 240,242; published Mar. 15, 1927.
Leathers, leather valve washers and disks, Valve. J. E. Rhoads & Sons. 228,201; May 24; Serial No. 229,586; published Mar. 15, 1927.
Tires, Inner tubes, patches, etc., Rubber. Fisk Rubber Company. 228,025; May 24; Serial No. 243,145; published Mar. 15, 1927.

CLASS 36.

Bows, rosin and bow hair. Buegeleisen & Jacobson. 228,265; May 24.

CLASS 37.

Blank and partially-printed cards and forms for indexes, etc. Rand Kardex Bureau, Inc. 228,057; May 24; Serial No. 242,618; published Mar. 15, 1927.
Paper. Reliance Paper & Twine Mills. 228,224; May 24; Serial No. 230,852; published Mar. 15, 1927.
Paper, Stencil. Lion Typewriter Supplies Company Limited. 228,171; May 24; Serial No. 240,986; published Mar. 15, 1927.
Paper stock. G. A. Ackermann Printing Co. 228,266; May 24.
Paper, tablets and composition books. Birmingham Paper Company. 228,077; May 24; Serial No. 239,791; published Mar. 15, 1927.
Paper, Toilet. J. C. E. Glass. 228,240; May 24; Serial No. 239,301; published Dec. 21, 1926.
Paper towels. Continental Paper & Bag Mills Corporation. 228,127; May 24; Serial No. 241,874; published Mar. 15, 1927.
Paper, Wrapping. Tomahawk Kraft Paper Co. 228,039; May 24; Serial No. 242,866; published Mar. 15, 1927.
Pencils. A/S. Blyantfabriken Viking. 228,255; May 24; Serial No. 201,426; published Sept. 14, 1926.
Pens, Metallic. D. Leonardt and Company. 228,044; May 24; Serial No. 242,234; published Mar. 15, 1927.
Stencils. Wallace Addressing Machine Company. 228,048; May 24; Serial No. 242,321; published Mar. 15, 1927.

CLASS 38.

House organ. National Life and Accident Insurance Company. 228,050; May 24; Serial No. 242,437; published Mar. 15, 1927.
Maps. Midcontinent Map Company. 228,070; May 24; Serial No. 238,865; published Mar. 15, 1927.
Music. Bee Jay Products Co. Inc. 228,197; May 24; Serial No. 228,795; published Mar. 15, 1927.
Newspaper. News Publishing Company. 228,063; May 24; Serial No. 237,128; published Mar. 15. 1927.
Newspaper section, Heading for a. Jos. A. Morris & Co. 228,027; May 24; Serial No. 243,102; published Mar. 15, 1927.

Periodical. J. E. Van Dyke. 228,081; May 24; Serial No. 240,370; published Mar. 15, 1927.
Publications. Child Study Association of America, Inc. 228,180; May 24; Serial No. 241,519; published Mar. 15, 1927.

CLASS 39.

Aprons, baby pants, undergarments, etc. C. E. Conover Co. 228,234; May 24; Serial No. 238,251; published Feb. 15, 1927.
Boots and shoes of leather. Endicott-Johnson Co. 64,219; renewed July 30, 1927.
Boots and shoes of leather. Endicott-Johnson Co. 64,219; renewed July 30, 1927.
Boots, shoes, slippers. Thomas G. Plant Company. 228,202; May 24; Serial No. 230,354; published Mar. 8, 1927.
Caps, Men's. Cleveland & Whitehill Co. 228,043; May 24; Serial No. 242,707; published Mar. 8, 1927.
Clothing. A. G. Spalding & Bros. 63,798; renewed July 9, 1927.
Clothing and overalls, Children's. Eloesser-Heynemann Company. 228,047; May 24; Serial No. 242,333; published Mar. 8, 1927.
Coats, suits, dresses, etc. Chicago Mail Order Company. 228,269; May 24.
Coats, suits, dresses, sweaters, knickers, hosiery, etc., Women's. Mendelson Sportswear, Inc. 228,199; May 24; Serial No. 235,519; published Mar. 15, 1927.
Collars, pyjamas, underwear, etc., Men's and boys'. H. Berger. 228,038; May 24; Serial No. 242,876; published Mar. 15, 1927.
Frocks and dresses, Ladies' and children's. Rice-Stix Dry Goods Company. 228,178; May 24; Serial No. 241,440; published Mar. 8, 1927.
Garments, Cloth. Stern & Sayer. 228,052; May 24; Serial No. 242,513; published Mar. 15, 1927.
Garters. Mishawaka Rubber and Woolen Manufacturing Company. 228,151; May 24; Serial No. 215,584; published July 28, 1925.
Gloves and mittens, Fabric. Boss Manufacturing Company. 228,132–3; May 24; Serial Nos. 241,980–1; published Mar. 8, 1927.
Hats. J. J. Aarons & Co. 228,080; May 24; Serial No. 240,285; published Mar. 15, 1927.
Hats. Kuntz-Simons, Inc. 228,221; May 24; Serial No. 235,781; published Mar. 15, 1927.
Hats, Sunfast Hats, Incorporated. 228,264; May 24.
Hats, caps, knickers, scarfs, etc. Charles S. Merton & Co. 228,183–4; May 24; Serial Nos. 241,666–7; published Mar. 8, 1927.
Hats, Ladies', misses', and children's. Walter A. Muller Co. 228,041–2; May 24; Serial Nos. 242,792–3; published Mar. 8, 1927.
Hats, Women's. O'Hern, Strack, & O'Hern. 228,045; May 24; Serial No. 242,244; published Mar. 15, 1927.
Hosiery. Chandler Boot Shops. 228,068; May 24; Serial No. 237,782; published Mar. 8, 1927.
Hosiery. Dodge & Seymour, Ltd. 228,028; May 24; Serial No. 243,084; published Mar. 15, 1927.
Hosiery. Knox Hosiery Mills. 228,170; May 24; Serial No. 240,982; published Mar. 15, 1927.
Hosiery. A. Kobb. 228,061; May 24; Serial No. 242,670; published Mar. 1, 1927.
Hosiery. Twinkies Specialty Company. 228,187; May 24; Serial No. 241,752; published Mar. 15, 1927.
Hosiery, shawls, ruffs, collars, underwear, etc. James McCreery & Company. 228,128; May 24; Serial No. 241,889; published Mar. 15, 1927.
Leather products, Sole. Albemi Leather Corporation. 228,211; May 24; Serial No. 234,288; published Mar. 8, 1927.
Neckties. Weisbaum Bros.-Brower Co. 228,062; May 24; Serial No. 242,698; published Mar 15, 1927.
Overalls and work shirts. Neely, Harwell & Co. 228,177; May 24; Serial No. 241,429; published Mar. 15, 1927.
Overshoes. W. B. Wreford. 228,129; May 24; Serial No. 241,916; published Mar. 15, 1927.
Robes and bath gowns, Beach and bath. Joshua Hoyle & Sons, Ltd, Inc. 228,172; May 24; Serial No. 241,103; published Mar. 15, 1927.
Robes and bath gowns, Beach and bath. Joshua Hoyle & Sons, Ltd, Inc. 228,173; May 24; Serial No. 241,105; published Mar. 15, 1927.
Shirts. Joel Isaacs Shirt Company. 228,239; May 24; Serial No. 237,416; published Jan. 25, 1927.
Shirts and trousers. D. M. Oberman Mfg. Co. 228,169; May 24; Serial No. 240,922; published Mar. 15, 1927.
Shirts, pants, overalls, coats, etc. Richardson Dry Goods Co. 228,218; May 24; Serial No. 235,232; published Mar. 15, 1927.
Shoes. Cambridge Rubber Company. 228,193; May 24; Serial No. 226,942; published Mar. 8, 1927.
Shoes. Craddock-Terry Co. 228,270; May 24.
Shoes and hosiery, Boys' and girls'. Hess Brothers. 228,208; May 24; Serial No. 233,188; published Mar. 8, 1927.
Soles for shoes, Composition. Mishawaka Rubber and Woolen Manufacturing Company. 228,074; May 24; Serial No. 239,665; published Mar 15, 1927.
Stockings, Children's. Simons & Struve Holsery Company. 228,181; May 24; Serial No. 241,586; published Mar. 15, 1927.
Suits, shoes, caps, scarfs, etc. Bathing. Asbury Mills. 228,136; May 24; Serial No. 242,038; published Mar. 15 1927.
Suits, woolen garments, and knitted wear. Swimming. Columbia Knitting Mills. 228,175–6; May 24; Serial Nos. 241,395–6; published Mar. 8, 1927.
Sweaters. Joseph B. Haber, Inc. 228,182; May 24; Serial No. 241,617; published Mar. 8, 1927.
Undergarments, Women's and children's. Wolfhead Incorporated. 228,161; May 24; Serial No. 233,048; published July 20, 1926.
Underwear, Knitted. Otis Company. 64,795; renewed Aug. 20, 1927.
Underwear, Knitted and textile. Morris and Company. 228,135; May 24; Serial No. 242,019; published Mar. 15, 1927.
Union suits of underwear of woven textile fabric for men and boys. Cooper Underwear Company. 228,130; May 24; Serial No. 241,929; published Mar. 15, 1927.

CLASS 42.

Blankets, Cotton. Beacon Manufacturing Company. 228,192; May 24; Serial No. 226,708; published Mar. 15, 1927.
Cotton goods in the piece. D. H. Grant & Co. 228,097; May 24; Serial No. 243,489; published Mar. 15, 1927.
Cotton piece goods. Spartan Mills. 228,060; May 24; Serial No. 242,694; published Mar. 15, 1927.
Cotton sheetings. Columbus Manufacturing Company. 228,207; May 24; Serial No. 233,109; published Mar. 15, 1927.
Dress goods. Edward Ripley & Son, Limited. 64,848; renewed Aug. 27, 1927.
Fabrics of wool, worsted, cotton, silk, etc. Woolen Corporation of America. 228,067; May 24; Serial No. 240,381; published Mar. 15, 1927.
Knitted woolen cloths in the piece. M. Neyman. 228,020; May 24; Serial No. 243,105; published Mar. 15, 1927.
Robes, Automobile. T. Kay. 228,035; May 24; Serial No. 242,954; published Mar. 15, 1927.
Sheets and pillowcases. Horrockses, Crewdson & Co. 228,088; May 24; Serial No. 243,363; published Mar. 15, 1927.
Silk goods in the piece. Cohn Hall Marx Co. 228,029; May 24; Serial No. 243,082; published Mar. 15, 1927.
Silk piece goods. Cheney Brothers. 65,582; renewed Oct. 8, 1927.
Silk piece goods. Susquehanna Silk Mills. 63,060–1; renewed June 4, 1927.
Silk piece goods. H. G. Warland Corp. 228,034; May 24; Serial No. 242,975; published Mar. 15, 1927.
Silk piece goods. Weill & Callman. 228,100; May 24; Serial No. 243,901; published Mar. 15, 1927.
Silk piece goods and silk mixed piece goods. Susquehanna Silk Mills. 63,684–6; renewed July 2, 1927.
Silk piece goods and silk mixed piece goods. Susquehanna Silk Mills. 64,883–92; renewed Aug. 27, 1927.
Silk piece goods and silk mixed piece goods. Susquehanna Silk Mills. 65,057; renewed Sept. 3, 1927.
Silk piece goods and silk mixed piece goods. Susquehanna Silk Mills. 65,090; renewed Sept. 3, 1927.
Silk piece goods and silk mixed piece goods. Susquehanna Silk Mills. 65,285; renewed Sept. 17, 1927.
Textile fabrics. Oriental Silk Printing Company. 228,033; May 24; Serial No. 243,011; published Mar. 15, 1927.
Toweling. Blodgett, Warren Co. 228,089; May 24; Serial No. 243,304; published Mar. 15, 1927.
Voiles in the piece, Cotton. Ely & Walker Dry Goods Company. 228,149; May 24; Serial No. 208,964; published Aug. 24, 1926.
Woolen and worsted piece goods. Hager, Clark & Co. 228,030; May 24; Serial No. 243,055; published Mar. 15, 1927.
Woolen and worsted piece goods. Hager, Clark & Co. 228,031; May 24; Serial No. 243,050; published Mar. 15, 1927.
Woolen and worsted piece goods. Hager, Clark & Co. 228,032; May 24; Serial No. 243,048; published Mar. 15, 1927.

CLASS 43.

Cotton and thread, Spool. American Thread Company. 62,385; renewed May 7, 1927.
Cotton on spools and reels, Sewing. Jas. Chadwick & Bror., Ltd. 63,527; renewed June 25, 1927.
Cotton, sewing-cotton and thread, Spool. American Thread Company. 62,387–8; renewed May 7, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 62,948; renewed June 4, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 62,950; renewed June 4, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 64,819–20; renewed Aug. 27, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 64,823–4; renewed Aug. 27, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 64,834; renewed Aug. 27, 1927.
Cotton, sewing silk, and thread, Spool. American Thread Company. 63,630; renewed July 2, 1927.
Cotton, sewing silk, and thread, Spool. American Thread Company. 63,632; renewed July 2, 1927.
Cotton, sewing silk, and thread, Spool. American Thread Company. 63,634–7; renewed July 2, 1927.
Cotton, sewing silk, and thread, Spool. American Thread Company. 64,209–11; renewed July 30, 1927.

Cotton, sewing silk, and thread, Spool. American Thread Company. 64,214; renewed July 30, 1927.
Cotton, sewing silk, and thread, Spool. American Thread Company. 64,830–3; renewed Aug. 27, 1927.
Cotton, thread, and sewing cotton, Spool. American Thread Company. 63,137–9; renewed July 11, 1927.
Cotton, thread, and sewing cotton, Spool. American Thread Company. 63,208; renewed June 11, 1927.
Fibers, thread, and yarn, Plant. Clarence C. Selden & Co. 228,259; May 24; Serial No. 221,778; published Mar. 15, 1927.

CLASS 45.

Beverages and compounds for making the same. Curtiss Candy Company. 228,233; May 24; Serial No. 243,422; published Mar. 15, 1927.
Beverages, Nonalcoholic, maltless. Yankee Dry Corporation. 228,115; May 24; Serial No. 242,647; published Mar. 15, 1927.
Ginger ale and sirup and extracts for making the same. Bottlers Supply Company. 228,110; May 24; Serial No. 242,471; published Mar. 15, 1927.
Sirup for making soft drinks. E. W. Payne. 228,119; May 24; Serial No. 242,794; published Mar. 15, 1927.

CLASS 46.

Beverage compounds, Cereal. Perco Cereal Co. 228,075; May 24; Serial No. 239,673; published Mar. 15, 1927.
Beverage compounds, Cereal. Perco Cereal Co. 228,076; May 24; Serial No. 239,675; published Mar. 15, 1927.
Bread. S. A. Haram & Co. Inc., 228,152; May 24; Serial No. 217,771; published June 1, 1926.
Candies, Loft, Inc. 228,093; May 24; Serial No. 243,224; published Mar. 15, 1927.
Candies and salted nuts, K. O'Connell. 228,090; May 24; Serial No. 243,277; published Mar. 15, 1927.
Candy. H. J. Crull. 228,024; May 24; Serial No. 243,199; published Mar. 15, 1927.
Candy, Max Glick Company. 228,148; May 24; Serial No. 207,298; published Sept. 1, 1925.
Candy, Jones & Hensley. 228,215; May 24; Serial No. 235,142; published Mar. 15, 1927.
Candy. H. W. McDermott. 228,179; May 24; Serial No. 241,489; published Mar. 15, 1927.
Candy and salted nuts, Ring-Ting Candy Shop. 228,189; May 24; Serial No. 225,577; published Mar. 15, 1927.
Candy, bonbons, and ice cream. M. E. Abel Estate. 64,715; renewed Aug. 20, 1927.
Canned, dried, and fresh fruits. Balfour, Guthrie & Co. 65,039; renewed Sept. 3, 1927.
Canned fruits, vegetables, fish, oysters, lobsters, meats, and poultry. Portland Packing Co. 30,305; renewed June 29, 1927.
Canned vegetables and fruits. Jos. Socolof Co. 228,059; May 24; Serial No. 242,628; published Mar. 15, 1927.
Canned vegetables and sauerkraut. Larsen Company. 228,198; May 24; Serial No. 228,916; published Mar. 15, 1927.
Cereal breakfast food. Kellogg Company. 228,147; May 24; Serial No. 206,671; published Mar. 15, 1927.
Chicks, Live. H. L. Campbell. 228,206; May 24; Serial No. 233,102; published Mar. 15, 1927.
Chocolate, cocoa, and chocolate candies. Russ-Suchard et Cie. 63,556; renewed June 25, 1927.
Chocolate, cocoa, and chocolate candies. Russ-Suchard et Cie. 63,602; renewed June 25, 1927.
Chocolates and candy. Wallace & Co. 65,578–9; renewed Oct. 8, 1927.
Cocoa powder and products. Kakao-Kompagnie Theodor Reichardt G. m. b. H. 228,200; May 24; Serial No. 235,649; published Mar. 15, 1927.
Coffee, canned pork and beans, catchup, olives, pickles, vinegar, etc. West Side Wholesale Grocery Co. 228,256; May 24; Serial No. 203,551; published Mar. 15, 1927.
Figs, Dried. California Peach & Fig Growers Association. 228,046; May 24; Serial No. 242,278; published Mar. 15, 1927.
Flour, Wheat. George Urban Milling Company. 65,370; renewed Sept. 24, 1927.
Flour, Wheat and rye. Wilkinson, Gaddis & Co. 65,848; renewed Oct. 22, 1927.
Fruit, Dried Castle Brothers, Incorporated. 62,686; renewed May 21, 1927.
Fruit, Dried. Castle Brothers, Incorporated. 63,093; renewed June 4, 1927.
Fruits. Dom Proto Pisani. 228,066; May 24; Serial No. 237,693; published Mar. 15, 1927.
Fruits and fresh vegetables. Illinois Fruit Growers Exchange. 228,056; May 24; Serial No. 242,591; published Mar. 15, 1927.
Fruits, Citrous. Sweetwater Fruit Company. 228,065; May 24; Serial No. 237,575; published Mar. 15, 1927.
Gum, Chewing. Curtiss Candy Company. 228,083; May 24; Serial No. 243,425; published Mar. 15, 1927.
Meat products. Brennan Packing Co. 228,185; May 24; Serial No. 241,691; published Mar. 15, 1927.
Mustard and spices. Sadler, Firth & Ross, Limited. 29,273; renewed Dec. 8, 1926.
Pears, apples, plums, cherries, and potatoes, Fresh. Loma Rica Ranch. 228,102; May 24; Serial No. 243,863; published Mar. 15, 1927.
Pectin. Douglas Pectin Corporation. 228,213; May 24; Serial No. 234,773; published Mar. 15, 1927.
Pickles, chowchow, pickled onions, etc. A. J. Moeller Pickle Co. 228,261; May 24; Serial No. 223,651; published Mar. 15, 1927.
Plum pudding, raisin pudding, mincemeat, etc. F. Keller. 228,267; May 24.
Pop corn, Raw. W. J. Batson. 228,188; May 24; Serial No. 224,226; published Mar. 15, 1927.
Rennet preparations. Byk-Guldenwerke Chemische Fabrik. 228,212; May 24; Serial No. 234,558; published Mar. 15, 1927.
Sausage, Meat. J. B. Cohen. 228,258; May 24; Serial No. 210,149; published Mar. 15, 1927.
Sirup, Cane and maple. Portland Supply Co. 228,058; May 24; Serial No. 242,615; published Mar. 15, 1927.
Tea. Menown & Gregory. 65,537; renewed Oct. 8, 1927.
Tea, coffee, and spices. S. Alpert. 228,205; May 24; Serial No. 233,051; published Mar. 15, 1927.
Vegetables. I. G. Adamson. 228,209; May 24; Serial No. 233,518; published Mar. 15, 1927.
Vegetables. W. E. McDavitt. 228,210; May 24; Serial No. 234,220; published Mar. 15, 1927.

CLASS 47.

Wines, Port and sherry. Geo. G. Sandeman Sons & Co. 62,307; renewed Apr. 30, 1927.
Wines, Port and sherry. Geo. G. Sandeman Sons & Co. Limited. 64,221; renewed July 30, 1927.

ALPHABETICAL LIST OF LABELS.

Best-O'-Farm. For Eggs. Roberts & Oake. 32,140; May 24.
Bondaron Solid Round Belting. For Leather Belting. Charles Bond Company. 32,116; May 24.
Candiola. For Candy Bars. Knowlan Candy Co. 32,135; May 24.
Claret Punch. For Concentrate. Virginia Dare Extract Company. 32,147; May 24.
Clown. For a Ring Game. Schacht Rubber Mfg. Co. 32,142; May 24.
Dennison's Poker Chips. For Poker Chips. Dennison Manufacturing Co. 32,120; May 24.
Dinsmore Radio Wave Trap Filter. For Radio Wave-Trap Filters. R. M. Dinsmore. 32,121; May 24.
Dutch Treat. For Candy. John D. Hamilton Company. 32,128; May 24.
Flylak Spray. For a Compound Disinfectant, Deodorant, and Insecticide. W. R. Powell. 32,139; May 24.
Gale's An-Sep-Tic The Wonder Oil. For Antiseptic Preparation. L. O. Gale. 32,123; May 24.
Gelfand's Relish Sandwich Spread. For Relish Sandwich Spread. Gelfand Manufacturing Co. 32,124; May 24.
Genuine Audion by De Forest Type D-O1A. For De Forest-Type D-O1A Audions. De Forest Radio Company. 32,119; May 24.
Glacier. For Carbonated Table Water. T. J. Burke. 32,117; May 24.
Glacier Trail. For Butter. Menasha Printing and Carton Company. 32,136; May 24.
Gravy. For Candy. John D. Hamilton Company. 32,129; May 24.
Hammermill Bond Envelopes, Half Thousand, Regular Finish. For Envelopes. Hammermill Paper Company. 32,131; May 24.
Hammermill Bond Envelopes, Half Thousand, White, Regular Finish. For Envelopes. Hammermill Paper Company. 32,132; May 24.
Holland's Star. For Cigars. Benjamin Franklin Cigar Mfg. Co. 32,115; May 24.
Icy Flip. For Candy. John D. Hamilton Company. 32,125; May 24.
Jack Rabbit. For a Ring Game. Schacht Rubber Mfg. Co. 32,144; May 24.
Kleen-Maid Bread. For Bread. Menasha Printing and Carton Company. 32,137; May 24.
Neverdrown Bathers Compact. For Life-Saving Devices. R. F. Iverson. 32,133; May 24.
O-Kiss Me. For Confectionery. J. Kalkanian. 32,134; May 24.
Orange Flip. For Candy. John D. Hamilton Company. 32,126; May 24.
Peche Creme. For Face Cream. Ogilvie Sisters. 32,138; May 24.
Pumpkin Face. For a Ring Game. Schacht Rubber Mfg. Co. 32,143; May 24.
Rare Bit. For Candy. John D. Hamilton Company. 32,130; May 24.
Red Monk. For Wine-Bitters Tonic. W. Crevey. 32,118; May 24.
Rings Macaroni. For Macaroni. Tharinger Macaroni Company. 32,146; May 24.
Santa. For a Ring Game. Schacht Rubber Mfg. Co. 32,141; May 24.

Sliced bacon packet. For Bacon. Beech-Nut Packing Company. 32,114; May 24.
The Freezer. For Ice Cream and Candy. Freezer Co. 32,122; May 24.
Two Capes Hosiery. For Hosiery. Sherrick Selling Agency. 32,145; May 24.
Waterman's Ideal Ink (Azul Negra). For Writing Ink. L. E. Waterman Company. 32,150; May 24.
Waterman's Ideal Ink (Blue). For Writing Ink. L. E. Waterman Company. 32,148; May 24.
Waterman's Ideal Ink (Blue Black). For Writing Ink. L. E. Waterman Company. 32,149; May 24.
Wheat Brand Oranges. For Oranges. G. F. Wheat. 32,151; May 24.
Whip Center. For Candy. John D. Hamilton Company. 32,127; May 24.

ALPHABETICAL LIST OF PRINTS.

Bon Voyage Companion Box C 64. For Companion Boxes to Hold Pens, Pencils, Etc. American Lead Pencil Company. 9,848; May 24.
Complexion Vapor Veil. For Vapor Veils. A. E. Herrera. 9,851; May 24.
Diamond-Test Memorials. For Special Monument Memorials. Capitol Hill Monument Co. 9,849; May 24.
For Dessert My-T-Fine. For Dessert Preparations. D & C Co. Inc. 9,850; May 24.
Keep The Juices From Running Out of Your Pies. For Pie Marker and Trimmer. E. L. Simpson. 9,856; May 24.
New Barrels. For Barrels. H. Siemon & Sons. 9,855; May 24.
The Story of The Fork No. 2. For Silverware. Reed & Barton. 9,853; May 24.
The Story of The Knife No. 2. For Silverware. Reed & Barton. 9,854; May 24.
The Story of The Spoon No. 3. For Silverware. Reed & Barton. 9,852; May 24.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905. Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. A. S. Nowlin & Company. 246,219; May 24.
Talc. Pacific Coast Talc Company. 242,246; May 24.
Talc. Pacific Coast Talc Company. 242,248–9; May 24.

CLASS 2.

Bags, Rug. Mothproof Rug Bag Company. 246,426; May 24.
Packages and parts thereof, Fruit and vegetable wooden. Farmers Manufacturing Company. 246,893; May 24.
Receptacles, Fiber baking. Sani Paper Products Co. 246,181; May 24.
Tanks, Storage. Chattanooga Boiler & Tank Co. 245,830; May 24.
Vaults, Grave. Clark Grave Vault Co. 245,195; May 24.

CLASS 3.

Bags and men's pocketbooks, Ladies' hand. T. Gallert. 244,822; May 24.
Bags, Hand. Stone & Gropper, Inc. 247,140; May 24.
Cases, Violin. Carl Fischer, Inc. 246,945; May 24.

CLASS 4.

Abrasive, polishing, and finishing wheel. J. C. Craven. 245,426; May 24.
Cleaner, Cloth, metal-goods, and paper. H. F. Krug. 229,183; May 24.
Cleaning fluid. Hercules Gasoline Co. 244,155; May 24.
Cleaning preparation, Liquid. L. Heineman. 228,107; May 24.
Cleansing and polishing compounds and detergents. Standard Oil Company (New Jersey). 230,808; May 24.
Cleansing compounds and detergents. Standard Oil Company (New Jersey). 232,361; May 24.
Cleansing compounds and detergents. Standard Oil Company (New Jersey). 232,363; May 24.
Cleansing compounds and detergents. Standard Oil Company (New Jersey). 232,365; May 24.
Dry cleaner and spot remover. L. Steckler. 246,643; May 24.
Soap. Colgate & Company. 245,782; May 24.
Soap. Lloyd Brothers, Pharmacists, Inc. 246,100; May 24.

CLASS 6.

Adhesive composition. B and M Manufacturing Company. 241,383; May 24.
Antifouling compound. Yonge Laboratories. 246,871; May 24.
Antiknock compounds for motor fuel. Ethyl Gasoline Corporation. 247,365; May 24.
Balm, Baby. Ko-Cin-Ko Company. 242,301; May 24.
Bismuth arsphenamine sulphonate. Abbott Laboratories. 246,877; May 24.
Bleaching compound. G. C. Gagan. 246,343; May 24.
Castor-oil emulsion. Navie Chemical Co. 247,201; May 24.
Chemical cleaner. V. J. Todd. 245,669; May 24.
Cod-liver oil. Peter Möller A/S. 242,347; May 24.
Cod-liver oil, Wine of. Frederick Stearns & Company. 238,408; May 24.
Cream, bandoline, benzoin lotion, bath salts, etc., Almond. Buck and Rayner. 243,412; May 24.
Dyestuffs and chemical products for dyeing and printing, Artificial. Durand & Huguenin S. A. 246,533; May 24.
Fungicide, seed disinfectant. E. I. du Pont de Nemours and Company. 246,674; May 24.
Hair grower and tonic, face cream, etc. M. E. Tullis. 242,319; May 24.
Insecticide spray, Liquid. Western Chemical Company. 243,902; May 24.
Insecticides. W. D. Carpenter Co. 247,776; May 24.
Insecticides. The Dill Co. 247,729; May 24.
Insecticides and rodenticides. W. C. McKee. 247,440; May 24.
Medical preparation. Galeno Chemical Co. 245,089; May 24.
Medicated chewing gum. Magnesia Products Inc. 245,995; May 24.
Medication, Inhalant. Klorex, Inc. 245,349; May 24.
Medicinal preparation. J. Schantz. 247,215; May 24.
Medicinal preparation for the treatment of hemorrhoids and piles. A. R. Martino. 247,378; May 24.
Medicinal preparations for neuralgia, headache, rheumatism, colds, etc. Twitchell-Champlin Company. 243,984; May 24.
Medicine compound for treating sores and skin diseases. W. H. Hodge. 246,406; May 24.
Medicine for gonorrhea. J. Lorenz. 245,568; May 24.
Nonclogging radiator liquid. P. E. Helmer. 245,908; May 24.
Nonfreeze compound. "AkeruE" Manufacturing Company. 243,519; May 24.
Ointment. H. Kanpik. 247,546; May 24.
Perfume. Associated Merchandising Corporation. 247,456; May 24.
Perfumes. Lionel Trading Co. Inc. 173,513; May 24.
Perfumes, Parfums Edouardo. 247,634; May 24.
Powder, Toilet. Silica Gel Products Corporation. 245,930–2; May 24.
Powders, creams and packs, toilet waters, rouges, etc., Face. Gerré, Inc. 247,181; May 24.
Powders, creams, packs, toilet waters, rouges, etc., Face. Alliance Art Products Company. 247,513; May 24.
Powders, creams, packs, toilet waters, rouges, lip sticks, etc., Face. Marquisette, Inc. 246,299; May 24.
Powders, Product formed of a combination of. Maison A. Gazzoni & Compania. 243,937; May 24.
Preparation for reducing weight. E. G. Rurup. 230,051; May 24.
Preparation for removing dandruff, hair tonic, hairdressing, etc. Davex Corporation. 246,083–4; May 24.
Preparation for the relief of hoarseness, colds, coughs, sore throat, and bronchitis. John H. Wood Company. 246,456; May 24.
Preparation for the treatment of colds, etc. W. E. Bess. 244,848; May 24.
Preparation for the treatment of leucorrhea, etc. C. B. Williams. 242,403; May 24.
Preparation for the treatment of the skin, etc. Cameron-Sprowls Pharmacy Co. 245,889; May 24.
Prophylactic preparations. O. Smiley. 246,130; May 24.
Quinine sulphate (U. S. P.), cinchonine sulphate (U. S. P.), chlorophyll aqueous, etc. McKesson & Robbins, Incorporated. 246,763; May 24.
Saline eliminants. Crystal Carbonic Laboratory. 245,895; May 24.
Salve and a medicine for blood poisoning. M. Cizauckas. 239,969; May 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Soot cleaner. F. D. Shepard. 244,188; May 24.
Tonic. D. E. Strickler. 247,578; May 24.
Tonic and expectorant. J. H. E. Eberhardt. 247,527; May 24.
Tooth paste. Ko-Cin-Ko Company. 242,300; May 24.
Tooth paste and talcum powder. French Beauty Products Co. 246,398; May 24.

CLASS 7.

Twine, Coarse-finished. Hanover Cordage Company. 247,430; May 24.

CLASS 10.

Fertilizer. Merchants Fertilizer & Phosphate Company. 240,871; May 24.
Germicide, insecticide, soil builder, and plant food for lawns, etc., Combined. Kalon Products Company. 245,273; May 24.

CLASS 12.

Asphalt. Lewis Asphalt Engineering Corporation. 245,356; May 24.
Cement. Ash Grove Lime & Portland Cement Co. 244,971; May 24.
Cement, Fire-brick. A. P. Green Fire Brick Company. 246,206; May 24.
Cement, Portland. Warrior Cement Corporation. 244,583; May 24.
Cork, cork pipe, board, and tile. Cork Import Corporation. 227,397–9; May 24.
Lime. Augusta Lime Company. 246,263; May 24.
Metal sheets. H. H. Robertson Company. 228,037; May 24.
Refractory material, Plastic. J. T. Bealor. 245,884; May 24.
Refractory materials. Exolon Company. 243,257; May 24.
Roof cement, Asbestos. Chicago Paint Works. 229,157; May 24.
Roofing material. Continental Roofing & Manufacturing Co. 244,047; May 24.
Roofing material. Continental Roofing & Manufacturing Co. 244,051; May 24.
Roofing material. Continental Roofing & Manufacturing Co. 244,053; May 24.
Roofing material, Asphalt. Continental Roofing & Manufacturing Co. 244,046; May 24.
Roofing material, Asphalt. Continental Roofing & Manufacturing Co. 244,050; May 24.
Roofing material, Asphalt. Continental Roofing & Manufacturing Co. 244,054; May 24.
Roofing materials. Continental Roofing & Manufacturing Co. 244,048; May 24.
Roofing materials. Continental Roofing & Manufacturing Co. 244,052; May 24.
Tile. W. E. Dunn Manufacturing Co. 244,398; May 24.
Tile, draintile, flue lining, sewer pipe, and wall coping, Underdrain. What Cheer Clay Products Company. 238,471; May 24.
Tile, Quarry. United States Quarry Tile Co. 246,245; May 24.
Tiles, surfacings, nosings, railings, and wall facings, Ceramic. Fridericksen Floor & Wall Tile Co. 245,432; May 24.
Wall board. Beaver Products Company. 194,328; May 24.

CLASS 13.

Metal braces for furniture. Enamel Products Company. 246,019; May 24.
Pins, Picture-frame-holding. C. E. Willis. 246,189; May 24.
Screws, lock washers, rivets, etc., Wood. L. A. Harris. 244,864; May 24.

CLASS 14.

Putties. Plastic Products Company. 242,905; May 24.
Steel bars, Hot-rolled and cold-finished. Jones & Laughlin Steel Corporation. 235,930; May 24.

CLASS 15.

Oils and greases. Primary Oil Company. 245,862; May 24.

CLASS 16.

Lacquers. Newark Varnish Works, Inc. 246,306–7; May 24.
Paint, Asphalt roof. Continental Roofing & Manufacturing Co. 244,045; May 24.
Paint ready for use, Mixed. Stewart Paint Mfg. Co. 246,446; May 24.
Paints. M. Sawyer. 241,904; May 24.
Paints, varnishes, and paint enamels, Dry, paste, or ready-mixed. Harpic Manufacturing Company. 246,345; May 24.
Polishing materials. Welt-Wachs-Werk Egbert Günther Söhne. 245,674; May 24.

CLASS 19.

Automobiles. H. H. Franklin Manufacturing Company. 222,023; May 24.
Automobiles. Studebaker Corporation. 246,237–8; May 24.
Carriages, Baby. Bilt-Rite Baby Carriage Co. 245,135; May 24.

CLASS 20.

Linoleum and felt-base floor coverings. Armstrong Cork Company. 246,996; May 24.
Linoleum and felt-base floor coverings. Armstrong Cork Company. 247,406; May 24.
Oiled-cloth type, Prepared floor coverings of the. Congoleum-Nairn Inc. 246,198; May 24.

CLASS 21.

Insulator knobs, Porcelain. General Porcelain Company. 245,626; May 24.

CLASS 22.

Baits, Artificial. Creek Chub Bait Co. 244,291; May 24.
Dolls' blankets, carriage-outfit sets, and pillows. M. & S. Shillman. 243,392; May 24.
Game, Fortune-telling. Pacific Dry Goods Co. 246,221; May 24.
Golf clubs. Robert Forgan & Son, Ltd. 236,317; May 24.
Salmon eggs. Ripley Fish Co. 244,789; May 24.

CLASS 23.

Braces and chucks, Carpenters'. United Hardware & Tool Corporation. 247,107; May 24.
Cutter heads for woodworking machinery. Wisconsin Knife Works, Inc. 245,946; May 24.
Dusters, heaters, and coolers and parts thereof for printing and enameling machines. B. L. Nicholes & Co. Inc. 247,140; May 24.
Machines for making printing plates. Addressograph Company. 246,801; May 24.
Razors. Wester Bros. 247,109; May 24.
Shortening mixer. P. D. Merrill. 247,138; May 24.
Tools. Bergman Tool Mfg. Co. 244,976; May 24.
Typewriters. General Typewriter Exchange. 245,705; May 24.
Wrenches, punches, cold chisels, etc. Diamond Tool Co. 265,913; May 24.

CLASS 24.

Dry cleaning systems, Apparatus for renovating gasoline for use in. Holland-Wirt Company. 241,159; May 24.
Presses, Garment. United States Hoffman Machinery Corporation. 229,530; May 24.

CLASS 26.

Ophthalmic mountings and parts thereof, lenses, Mangin mirrors, etc. Bausch and Lomb Optical Company. 243,993; May 24.
Temperature indicators for transformers Maximum-. General Electric Company. 235,734; May 24.
Weighing hammocks. G. Kline. 247,088; May 24.

CLASS 29.

Powder puffs. G. S. Hershey. 246,208; May 24.
Powder puffs. J. Taylor. 246,448; May 24.

CLASS 32.

Beds, Brass and iron. Superior Steel Bed Co. Inc. 245,936; May 24.
Furniture. Thonet-Wanner Company. 242,865; May 24.

CLASS 33.

Glass, Sheet, window, and plate. Semon Bache & Company. 245,520; May 24.

CLASS 34.

Furnaces, Heating. Vancouver Sheet Metal & Furnace Works. 242,972; May 24.
Gas mantles. Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 245,783; May 24.
Gas mantles, Upright and inverted. Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 246,086; May 24.
Gas mantles, Upright and inverted. Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 246,333; May 24.
Heating apparatus, Gas-burning. C. E. Schoenborn. 245,585; May 24.
Heating plants, Fuel economizer for. R. P. King. 246,483; May 24.

CLASS 35.

Belts, Woven fabric. J. E. Rhoads & Sons. 247,041; May 24.
Inner tubes. Cooper Corp. 246,081; May 24.
Jar rings. United States Rubber Company. 243,730; May 24.
Tires, rubber and canvas belting, Pneumatic. Gash-Stull Company. 246,828; May 24.

CLASS 37.

Paper weights, propelling pencils, etc. Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth. 234,849; May 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 38.

Charts. Printed rug. Amazon Knitting Company. 245,337; May 24.
Comic strip. NEA Service Inc. 247,093; May 24.
Magazine. A. R. Aarnham. 246,993; May 24.
Magazine C. L. Harry. 247,734; May 24.
Magazine. Macfadden Publications Incorporated. 247,192; May 24.
Magazine. Retail Lumberman Publishing Co. 247,040; May 24.
Magazine. D. T. Wright. 246,988; May 24.
Magazine publication. International Geneva Association, Inc. 245,493; May 24.
Newspaper. Daily Trade Record Co. of New York. 244,140; May 24.
Nom de plume for newspaper sections, etc. V. T. Redman. 247,495; May 24.
Periodical. American Physical Education Association. 247,158; May 24.
Periodical. Outlook Company. 247,490; May 24.
Periodicals. Building and Realty News, Inc. 247,166; May 24.
Printed advertising signs. D. Bader. 209,073; May 24.
Prints, Photographic. Photomaton, Inc. 246,362–3; May 24.
Publication. A. L. Scott. 245,754; May 24.
Publication. Your Garden Publishing Company. 246,944; May 24.
Publications. Beardsley & Piper Company. 247,246; May 24.
Publications. Yale University Press, Inc. 247,052; May 24.
Tribune, Poultry. Poultry Tribune Company. 247,209; May 24.

CLASS 39.

Boots, shoes, and overshoes. Cambridge Rubber Company. 247,065; May 24.
Boots, shoes, and overshoes, Rubber. Miller Rubber Company. 244,836; May 24.
Coats, Hunting. Utica Duxbak Corporation. 246,577; May 24.
Coats, vests, pants, and overcoats, Men's. Fashion Park, Inc. 246,538–40; May 24.
Coats, vests, trousers, and suits. Middishade Company. 246,919; May 24.
Corsets, brassières, bandeaux, and combinations thereof. Ivy Corset Company. 245,214; May 24.
Girdles. M. G. Michael. 246,560; May 24.
Gloves and mittens, Leather. Saranac Glove Co. 245,455; May 24.
Hats for women and children. Ogus, Rabinovich and Ogus, Inc. 201,675; May 24.
Hosiery. Bear Brand Hosiery Co. 246,382; May 24.
Hosiery. Frank R. Jelleff, Inc. 242,996; May 24.
Hosiery, Knit. Max Pfau Hosiery Mill Inc. 246,769; May 24.
Hosiery, underwear, negligees, sweaters, etc. Masterpiece Hosiery Mills. 244,020; May 24.
Hosiery, Women's. Society Maid Hosiery Company. 246,641; May 24.
Overcoats, topcoats, trousers, vests, and jackets. M. Hauptman, Inc. 246,901; May 24.
Raincoats. B. Fligel. 245,900; May 24.
Rompers. Pressman & Aaronson. 245,517; May 24.
Shirts, collars, blouses, knit underwear, etc. Simon-Rosenberg Shirt Corp. 243,395; May 24.
Shirts, Work. A. B. Frank Company. 244,354; May 24.
Shoes and rubber heels for shoes, Rubber soles for. J. C. Penney Company. 246,980; May 24.
Shoes, Leather. Hurley Shoe Company. 245,272; May 24.
Shoes, Leather. Stone-Tarlow Co. Inc. 245,522; May 24.
Socks, shoes, slippers, underwear, etc. A. Garfunkel & Co. 244,553; May 24.
Suits, Men's and young men's. Middishade Company. 246,920; May 24.
Suits, overcoats, coats, trousers, vests, skirts, and dresses. Julian Goldman Stores, Inc. 246,030; May 24.
Sweaters, sweater coats, sport coats, and lumber jackets. Haymon Krupp & Co. 245,564; May 24.
Underwear. Gotham Children's Underwear Co. 246,204; May 24.

CLASS 40.

Belt trimmings and buckles. North & Judd Manufacturing Company. 242,846–7; May 24.
Pin fasteners. United States Fastener Company. 245,873; May 24.
Snap fasteners. J. C. Penney Company. 246,361; May 24.

CLASS 42.

Blankets. American Retailers Association Inc. 229,426; May 24.
Blankets, bedspreads, and comfortables. Jordan Marsh Company. 234,206; May 24.
Cloth made from wool, cotton, and woolen mixtures for use in making outer garments. Stiegeler Bros. 238,142; May 24.
Cotton piece goods. Esmond Mills. 247,174; May 24.
Cotton piece goods. J. L. Stifel & Sons. 246,644; May 24.
Elastic webbing. Ansonia O & C Company. 245,822; May 24.
Fabric of piece goods. N. L. Duryea. 246,675; May 24.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 245,419; May 24.
Luncheon sets, tray cloths, tablecloths, and silence cloths. Kenlit Mfg. Co. 236,169; May 24.
Piece goods of cotton and rayon. Greene Sloane & Co. 247,471; May 24.
Ribbon, Shoulder-strap. J. C. Penney Company. 246,981; May 24.
Rugs, Lap. I. B. Kleinert Rubber Company. 245,498; May 24.
Satin piece goods. R. & H. Simon Company. 246,128; May 24.
Silk crepe in the piece, Heavy. Duplex Silk Mills, Inc. 237,018; May 24.
Silk in the piece, Canton. Charles Brown & Company. 246,884; May 24.
Silk piece goods. D. N. Cooke. 247,525; May 24.
Silk piece goods. Majestic Silk Mills, Inc. 247,337; May 24.
Textile fabrics in the piece, Woolen. Atlantic Mills. 247,118; May 24.
Woolen piece goods. American Woolen Company. 246,806; May 24.

CLASS 43.

Thread. Gardiner Hall Jr. Company. 247,185; May 24.

CLASS 44.

Antiseptic fabric. Scholl Mfg. Co. 245,752; May 24.

CLASS 45.

Beverage. G. W. Barton. 246,658; May 24.
Beverages. Danner-Glesner & Co. 244,431; May 24.
Beverages and syrups for making same. C. M. Brooke & Sons. 225,700; May 24.
Beverages, etc. O'Keefe's Beverages, Limited. 174,588; May 24.
Fruit juices, beverages, etc. Canada Dry Ginger Ale, Incorporated. 245,691; May 24.

CLASS 46.

Alimentary pastes. Neighbor Products Co. 246,971; May 24.
Bread, cake, buns, and crullers. Schmidt Baking Company. 240,882; May 24.
Butter. Ever Fresh Butter Corporation. 247,420; May 24.
Butter. West Liberty Cooperative Creamery Company. 247,508; May 24.
Cake. Capeway Bakery Inc. 228,409; May 24.
Candy. Bunte Brothers. 246,813; May 24.
Candy. Chase Candy Company. 246,015; May 24.
Canned and fresh vegetables. Puyallup & Sumner Fruit Growers Association. 246,770; May 24.
Canned salmon. Deep Sea Salmon Company. 244,749; May 24.
Canned sardines, anchovies, and tunny fish. Angelo Parodi fu Bartolomeo Societa Anonima. 222,573; May 24.
Canned soup, seasoning, etc. L. G. Osborn. 240,923; May 24.
Canned vegetables. Carll Canning Co. 246,738; May 24.
Cereal food drink. Kopa Corporation. 245,401; May 24.
Chili peppers, Ground. Chili Products Corporation. 245,251; May 24.
Chili peppers, Ground. Chili Products Corporation. 245,253; May 24.
Chili peppers, Ground. Chili Products Corporation. 245,255; May 24.
Cocoa, chocolate, sweetmeats, cakes, biscuits, etc. H. Bahlsens Keksfabrik Aktiengesellschaft, 240,843; May 24.
Coffee. Valley City Coffee & Spice Mills. 228,713; May 24.
Coffee mixture. G. W. McClintock. 246,105; May 24.
Cows, Live. A. L. Fitz Patrick. 237,732; May 24.
Cows, Live. A. L. Fitz Patrick. 246,605; May 24.
Crackers. Standard Biscuit Company. 247,293; May 24.
Dairy products. H. H. Fegely. 228,690; May 24.
Eggs. Independence Produce Company. 247,538; May 24.
Feeds, Stock and poultry. Kansas Flour Mills Corporation. 247,321; May 24.
Flour, Wheat. Flour Distributing Co. 246,021–2; May 24.
Flour, Wheat. Holt & Company. 246,027; May 24.
Flour, Wheat. Larabee Flour Mills Company. 247,332; May 24.
Flour, Wheat. Red Star Milling Company. 208,825; May 24.
Flour, Wheat. Walnut Creek Milling Co. 247,230; May 24.
Fruits and fresh vegetables, Fresh citrous and deciduous. H. N. Koehler. 247,482; May 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fruits, Fresh citrous. Mission Citrus Association. 247,485; May 24.
Grains and fruits, Product made from. Kopa Corporation. 245,400; May 24.
Grapes, Fresh. W. V. Jahant. 238,118; May 24.
Ice cream. G. W. Elliott. 247,267; May 24.
Jams, jellies, and crushed fruits. Hewlett Bros. Company. 245,715; May 24.
Milk, Condensed. Mohawk Condensed Milk Company. 246,302; May 24.
Raisins and grapes, Preserved and canned. Rubyette Co. 245,372; May 24.
Raisins and grapes, Preserved and canned. Rubyette Co. 245,374; May 24.

CLASS 47.

Wine. Salvador Batalla Plana. 228,864; May 24.

CLASS 48.

Beer, Near. North American Brewing Company. 245,573; May 24.
Malt beverages. Golden West Brewing Company. 245,264–6; May 24.
Malt sirup. South Food Products Co. 241,968; May 24.
Malt sirup for food and beverage purposes. H. Hirsh. 243,211; May 24.
Malt sirup for food purposes. Red Sun Products Company. 246,435; May 24.

CLASS 50.

Electrotypes, matrices, etc. Syracuse Electrotyping Co. 244,729; May 24.
Tents. Henrix-Luebbert Mfg. Co. Inc. 244,693; May 24.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A/S. Thunes mek. Verksted. (See Hanssen, Christian M., assignor.)
Abbamonte, Antistene, Cheyenne, Wyo. Drain valve. 1,629,465; May 24.
Abbott Laboratories, The. (See Raiziss, George W., assignor.)
Abel, August, assignor to Atlas-Werke Pohler & Co., Leipzig-Stotteritz, Germany. Device for charging and discharging compressed air containers. 1,630,156; May 24.
Adams & Westlake Company, The. (See Forsyth, George H., assignor.)
Adams, Louis M. (See Goff, Jess, assignor.)
Adams, Stephen S., St. Louis, Mo. Manufacturing automobile license plates. 1,629,944; May 24.
Adt, John B., Company. (See Zeun, Louis H., assignor.)
Ahearn, Frank M., Kinde, Mich. Tire valve. 1,629,901; May 24.
Ahlgren, John M., and J. V. Bretaud, assignors to American Rubber Products Company, Detroit, Mich. Molding apparatus. 1,630,157; May 24.
Aikman, Burton S., assignor to National Brake & Electric Co., Milwaukee, Wis. Magnetic unloader. 1,629,815; May 24.
Akron Standard Mold Company, The. (See Fleiter, A. J., and Miller, assignors.)
Akron Standard Mold Company, The. (See Sigler, Ward W., assignor.)
Alarcon, Manuel, Gallup, N. Mex. Gymnastic toy. 1,629,945; May 24.
Aldendorff, Fritz, Berlin-Wilmersdorf, Germany, assignor of one-fourth to P. Kollsch, New York, N. Y. Automatic switch. 1,629,646; May 24.
Alikakos, Nick, New York, N. Y. Automatically adjustable spring bracket. 1,629,671; May 24.
Allbright-Nell Company, The. (See Laabs, William, assignor.)
Allen, Thomas W., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Garnett machine. 1,630,158; May 24.
American Chain Company, Inc. (See Kirk, Robert W., assignor.)
American Creosoting Company. (See Austin, H. E., and Cook, assignors.)
American Frog & Switch Company, The. (See Detmer, Ralph G., assignor.)
American Glue Company. (See Underwood, George R., assignor.)
American Rolling Mill Company, The. (See Tytus, John B., assignor.)
American Rubber Products Company. (See Ahlgren, J. M., and Bretaud, assignors.)
American Safety Razor Corporation. (See De Mesquita, Julius B., assignor.)
American Smelting and Refining Company. (See Richards, Adelbert H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Hindmarsh, Percy J., assignor.)
American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
American Telephone and Telegraph Company. (See Strieby, Maurice E., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Wringer Company. (See Keltie, George R., assignor.)
Anderson, Albert F., Pasadena, Calif. Brake-equalizing mechanism. 1,629,647; May 24.
Andersson, Lars J., Halmstad, Sweden. Belt fastener. 1,629,983; May 24.
Andrews, Walter S., Eustis, Nebr., assignor of one-half to C. N. Johnston, Curtis, Nebr., and one-fourth to C. W. Johnston, Taft, Calif. Railway mower. 1,629,984; May 24.
Angel, Harry, Los Angeles, Calif. Column parlor-floor lamp. 1,629,946; May 24.
Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Receiving perforator. 1,629,466; May 24.
Ansco Photoproducts, Inc. (See Bornmann, Carl, assignor.)
Anthony Company. (See Anthony, Mark, assignor.)
Anthony Company. (See Anthony, W. C. and Mackintosh, assignors.)
Anthony, Mark, Clermont, Fla., assignor to Anthony Company, Streator, Ill. Crank. 1,629,469; May 24.
Anthony, William C., and W. B. Mackintosh, assignors to Anthony Company, Streator, Ill. Steering gear. 1,630,046; May 24.

Archer, Robert L. (See Spalding, J. E., and Archer.)
Archila, Fulgencio, Bogota, Columbia. Electric sign. 1,629,467; May 24.
Armstrong Cork Company. (See Humphreys, C. F., and McCarthy, assignors.)
Arnold, Hubert, Calgary, Alberta, Canada. Merchandise carrier. 1,630,047; May 24.
Aronson, Louis V., Newark, N. J. Toy gun. 1,629,608; May 24.
Arter, Jakob, Oberengstringen, and E. Schelling, Dietikon, Switzerland. Power-transmitting device. 1,629,902; May 24.
Asbestos Spinning and Weaving Corporation. (See Trainor, Edward J., assignor.)
Athons, Herbert, Los Angeles, Calif. Rear-spring construction. 1,629,672; May 24.
Atlas-Werke Pohler & Co. (See Abel, August, assignor.)
Auchter, Charles G., Pittsburgh, Pa. Fortune-telling game board. Des. 72,689; May 24.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Conductor terminal for bushings. 1,630,104; May 24.
Austin, Harold E., Louisville, Ky., and J. C. Cook, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky. Rail-lifting device. 1,629,468; May 24.
Automatic Electric Inc. (See Madsen, Fred T., assignor.)
Automatic Electric Inc. (See Richardson, Rodney G., assignor.)
Automatic Electric Inc. (See Willis, Bernard D., assignor.)
Automatic Gas Steam Radiator Company. (See Blackmore, George W., assignor.)
Autostrop Patents Corporation. (See Gaisman, Henry J., assignor.)
Bachofen, Jacob. (See Dunning, W. E., and Bachofen.)
Bader, Joseph P., New York, assignor to The Texas Company, New York, N. Y. Colorimeter. 1,629,609; May 24.
Baker-Vawter Company. (See Read, Howard W., assignor.)
Balachowsky, Dmitry, and P. Caire, Paris France. Utilising hydrocarbons in internal-combustion engines and apparatus therefor. 1,630,048; May 24.
Baldwin, James G., New York, N. Y. Decorative lighting device. Des. 72,690; May 24.
Ball, John P., Chicago, Ill. Marine wall construction. 1,629,470; May 24.
Balmer, John H., Maplewood, N. J. Combination bathroom fixture. Des. 72,691; May 24.
Bank of America, The, et al, executors. (See Sperry, Lawrence B.)
Barber, Howard M., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Tympan clamp. 1,629,985; May 24.
Barber, Martin A. (See Kothe, Charles A., assignor.)
Barry, Louis J., Newport, R. I. Torpedo. 1,630,159; May 24.
Bates, Henry L., Greenfield, Mass. Artificial marble. 1,629,854; May 24.
Bates Valve Bag Company. (See Bushman, E. L., Curtis, and Ward, assignors.)
Battey, Bryan M. (See Battey, Sumter B. and B. M.)
Battey, Sumter B. and B. M., New York, N. Y. Repeating mechanism for talking machines. 1,629,986; May 24.
Bauer, Leo, et al. (See Wemlinger, William F., assignor.)
Bayless, Benjamin W., Louisville, Ky. Refrigerator. 1,630,160; May 24.
Bear Tractor Corporation of America. (See Leake, Thomas C., assignor.)
Beardslee Chandelier Manufacturing Company. (See Dvorak, Anton, assignor.)
Beldam, George W., Ealing, England. Golf ball. Des. 72,692; May 24.
Beldam, George W., Ealing, England. Golf ball. Des. 72,693; May 24.
Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
Bell, Clinton L., Decatur, and M. S. Kessler, Auburn, assignors, by mesne assignments, to Decatur Rotary Display Company, Decatur, Ill. Sanitary display and vending device. 1,629,673; May 24.
Bell, Harmon. (See Loftus, Thomas J., assignor.)
Bellingham, Jethro, et al. (See Wemlinger, William F., assignor.)
Bendix Brake Company. (See Bendix, Vincent, assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See McConkey, Montgomery W., assignor.)
Bendix Brake Company. (See Renaux, Eugène P., assignor.)
Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Reenforced brake shoe. 1,629,471; May 24.
Benedict, Herschel A., East Orange, and E. M. Moller, South Orange, N. J. Vehicle wheel. 1,629,903; May 24.
Benedict, Herschel A., East Orange, and E. M. Moller, South Orange, N. J. Passenger vehicle. 1,629,904; May 24.
Benham, Edgar M., Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Lock. 1,630,238; May 24.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reubin B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Combination electrical connecter device and fixture support. 1,629,568; May 24.
Berger Manufacturing Company, The. (See Schlafly, Julius H., assignor.)
Berger, Samuel I., Newark, N. J. Automobile toy. Des. 72,694; May 24.
Bernard, Thomas T., St. Louis, Mo. Rack. 1,630,105; May 24.
Bernardini, John, Cincinnati, Ohio. String-tuning device. 1,629,855; May 24.
Bilfex Products Company. (See Thompson, George W., assignor.)
Bilderback, Henry S., Elk City, Okla., and C. A. Franke, Little Rock, Ark. Method of and machine for molding rolls. 1,630,106; May 24.
Binkley, Roy S., L. E. Stutsman, and T. E. Grove, Dayton, Ohio. Antrum burr. 1,630,239; May 24.
Biondi, Saverio, Los Angeles, Calif. Powder puff. 1,629,772; May 24.
Bjork, Victor T., St. Paul, Minn. Shaker bar for locomotive grates. 1,629,674; May 24.
Bjorkholtz, Gustav A., Chicago, Ill. Liquid-dispensing device. 1,629,905; May 24.
Blackman, Horace L., assignor to The Parker Pen Company, Janesville, Wis. Holder for fountain pens. 1,629,987; May 24.
Blackmore, George W., Edgewood, assignor to Automatic Gas Steam Radiator Company, Pittsburgh, Pa. Gas steam radiator. 1,630,107; May 24.
Blatch, Francis H. (See Wilmot, G. W., and Blatch.)
Bleecker, Warren F., Boulder, Colo. Glass composition. 1,629,648; May 24.
Blumenthal, Maurice, Brooklyn, N. Y. Sinking concrete piles. 1,629,947; May 24.
Bolton, James A., Sayville, N. Y. Doll. 1,630,240; May 24.
Bonbôte, Gérald. (See de Montmollin, G., and Bonbôte.)
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,629,472; May 24.
Booksh, George W., Grosse Tete, La. Expansion piston. 1,629,988; May 24.
Borg, Carl W., Aberdeen, Wash. Animal trap. 1,629,649; May 24.
Bornheim, Henry, Boston, Mass. Fuel mixer. 1,630,161; May 24.
Bornmann, Carl, assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic shutter. 1,630,049; May 24.
Bossung, Ernst F., Hamilton, Ohio. Knob. 1,629,773; May 24.
Boucek, James, and J. Halick, assignors of one-third to J. Trefney, Cleveland, Ohio. Furnace. 1,630,162; May 24.
Boudette, Clayton M., Revere, Mass. Radio loud speaker body. Des. 72,695; May 24.
Boughton, Solon J., assignor to Industrial Research Corporation, Toledo, Ohio. Washing and drying machine. 1,629,856; May 24.
Bowers, Frank, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler-cleaning device. 1,629,675; May 24.
Brackett, Edward M. and F. M., Topeka, Kans. Wiper for strip-applying machines. 1,629,473; May 24.
Brackett, Fred M. (See Bracket, Edward M. and F. M.)
Bradford, Richard H., J. S. La Barr, and P. H. Thompson, Paulsboro, N. J. Carboy. 1,630,163; May 24.
Bradley, Thomas H. (See Leech, I., and Bradley.)
Branston, Bernard, Brooklyn, N. Y. Beverage urn or similar article. Des. 72,696; May 24.
Branston, Bernard, Brooklyn, N. Y. Beverage urn or similar article. Des. 72,697; May 24.
Braselton, Chester H., New York, and F. B. MacLaren, Malba, N. Y., said MacLaren assignor to said Braselton. Pumping mechanism. 1,629,857; May 24.
Brauer, Walter, Seminole, Okla. Swivel circulating head. 1,629,650; May 24.
Breslauer, Joseph, and C. Goudet, assignors to Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland. Manufacture of urea from cyanamide. 1,630,050; May 24.
Bretnaud, Joseph V. (See Ahlgren, J. M., and Bretaud.)
Brewster, Ruby T., New York, N. Y. Flacon. Des. 72,698; May 24.
Britton, George W., assignor to J. P. Steedman, Hamilton, Ontario, Canada. Scale-beam mechanism. 1,629,474; May 24.
Brown, Arthur E. (See Galsman, L., and Brown.)
Brown, Max, Chicago, Ill. Reverse control for motors. 1,629,989; May 24.
Browning, John, administrator. (See Browning, John M.)
Browning, John, executor. (See Browning, John M.)
Browning, John M., deceased, Ogden, Utah, J. Browning, executor. Firing mechanism for automatic firearms. 1,629,651; May 24.
Browning, John M., deceased, Ogden, Utah, J. Browning, administrator. Cartridge-feeding mechanism for automatic firearms. 1,629,652; May 24.
Browning, Joseph W., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Method and apparatus for testing shovels. 1,629,858; May 24.
Bryant Electric Company, The. (See Catlin, H., and Thomas, assignors.)
Bryant, Elmer, Lexington, Ky. Mechanical movement. 1,630,164; May 24.
Bryant Heater Manufacturing Company, The. (See Fox, Otto, assignor.)
Buchholtz, Ferdinand, Jim Falls, Wis. Adjustable chimney cleaner. 1,629,990; May 24.
Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
Buckminster, Frank S., Pasadena, Calif. Exercising device. 1,629,676; May 24.
Buckowitz, John, St. Louis, Mo. Surgical or orthopedic appliance. 1,630,108; May 24.
Bucyrus Company. (See Ferris, W., and Keese, assignors.)
Budd, Clinton S., Clarion, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Glass-blowing machine. 1,629,653; May 24.
Budd, Thomas D., and W. R. Sinks, Chicago, Ill. Bin-floor dust-collecting system for grain elevators and the like. 1,629,991; May 24.
Bull, George L., Oakland, Calif. Combustion engine. 1,629,677; May 24.
Bura, Benjamin H., Kremlin, Okla. Attachment for grain binders. 1,629,610; May 24.
Burke, Lot F., Schenectady, N. Y. Lock holder. 1,629,859; May 24.
Burrow, Edgar A., Brady Tex. Road leveler or planer. 1,629,678; May 24.
Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Spring support. 1,629,475; May 24.
Bush, Samuel P. assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Spring support. 1,629,476; May 24.
Bushman, Edward L., East Orange, N. J., K. L. Curtis, New York, N. Y., and J. Ward, Elizabeth, N. J., assignors to Bates Valve Bag Company, Chicago, Ill. Bag-filling machine. 1,629,860; May 24.
Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,629,948; May 24.
Butler, Ruby A., St. Louis, Mo. Toy animal. 1,630,165; May 24.
Buttolph, Leroy J. East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Water-cooled lamp. 1,630,056; May 24.
Buttolph, Leroy J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric lamp. 1,630,051; May 24.
Buttolph, Leroy J., East Orange, N. J., assignor to Cooper Hewitt Electric Company. Water-cooled lamp. 1,630,052; May 24.
Buttolph, Leroy J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor lamp. 1,630,053; May 24.
Buttolph, Leroy J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Water-cooled lamp. 1,630,054; May 24.
Buttolph, Leroy J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Water-cooled lamp. 1,630,055; May 24.
Buttolph, Leroy J., East Orange, N. J., assignor to Cooper Hewitt Electric Company. Light for microscopes and the like. 1,630,233; May 24.
Buttolph, Leroy J., Grantwood, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Therapeutic lamp. 1,630,057; May 24.
Cady, William M. (See Kenan, J. J. W., and Cady.)
Caffarello, Ralph D., Chicago, Ill. Power take-off for engine crank shafts. 1,629,940; May 24.
Caire, Philippe. (See Balachowsky, D., and Caire.)
Cambridge Glass Company, The. (See Kimble, Raymond T., assignor.)
Campbell, Charles A., and E. C. Vroman, Watertown, N. Y., assignor to The New York Air Brake Company. Train control. 1,630,234; May 24.
Campbell, Charles E., Lynn, Mass. X-ray apparatus. 1,629,950; May 24.
Campbell, Harry E., assignor to Union Electric Manufacturing Company, Milwaukee, Wis. Starting box for controlling the electric current to machine motors. 1,629,951; May 24.
Cape, Thomas A. (See Reedy, J. H., and Cape.)
Carr, Edward G., Chicago, Ill. Concrete-road machine. 1,629,611; May 24.

Cardarella, Philip, Kansas City, Mo. Nursing-bottle holder. 1,630,167; May 24.
Carlson, Alder G., Moose Lake, Minn. Fly and insect trap. 1,629,816; May 24.
Carter, Alick L., Kenmore, N. Y., assignor, by mesne assignments, to The Grolan Manufacturing Company, Dayton, Ohio. Liquid gauge. 1,629,992; May 24.
Cartwright, Forest S., Indianapolis, Ind. Automatic gear shift for automobiles. 1,629,654; May 24.
Casey, William B., et al. (See Joseph, Sheldon, assignor.)
Catlin, Hoyt, Fairfield, and G. B. Thomas, assignors to The Bryant Electric Company, Bridgeport, Conn. Connecter. 1,630,166; May 24.
Caut, Raymond, Clichy, France. Power transmission by hydraulic means. 1,630,168; May 24.
Cement-Gun Company. (See Dewey, Clarence L., assignor.)
Central Scientific Company. (See Klopsteg, P. E., and Stannard, assignors.)
Central Scientific Company. (See Sachse, Herman P., assignor.)
Chadwick, Lee S., Shaker Heights Village, M. Resek and J. A. Dahlstrom, East Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Thermostatic control for oil burners. 1,629,569; May 24.
Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
Champion Coated Paper Company, The. (See Reedy, John H., assignor.)
Champion Coated Paper Company, The. (See Reedy, J. H., and Cape, assignors.)
Chandler, Dean, assignor to South Metropolitan Gas Company, London, England. Radiant gas log. 1,630,109; May 24.
Chapman, Charles E., assignor of one-half to J. Goodfellow, Fort Edward, N. Y. Apparatus for burning fuel oils. 1,629,774; May 24.
Chatillon, John, & Sons. (See Rockefeller, John W., jr., assignor.)
Chaves, Heliodoro, Toledo, Ohio. Sugar-beet harvesting machine. 1,629,993; May 24.
Chelton, Robert. (See Swanberg, Julius, assignor.)
Chicago Pneumatic Tool Company. (See Penberthy, Ernest, assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Christopherson, Alfred C., assignor to Hacker Manufacturing Co., Chicago, Ill. Sheet feeder. 1,629,477; May 24.
Cinch Manufacturing Corporation. (See Vodicka, John, assignor.)
Clark-Cutler-McDermott Co. (See McDermott, Thomas S., assignor.)
Clark, William F., Wollaston, Mass. Tire carrier. 1,629,478; May 24.
Colby, Clarence C., Newton, Mass. Letter-box construction. 1,629,679; May 24.
Cole, J. Plumer, et al. (See Joseph, Sheldon, assignor.)
Cole, Philip G., Forest Hills, assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Squash-ball tester. 1,630,110; May 24.
Coleman, John H., Hanford, Calif. Fish elevator. 1,630,169; May 24.
Collander, Stanley, Scranton, Pa. Pen attachment. 1,629,775; May 24.
Compania Cubana Economizadora de Combustible S. A. (See Vila, Aquilino R., assignor.)
Continental Can Company. (See Fink, Henry A., assignor.)
Cook, Edward G. (See Rotthouse, Charles A., assignor.)
Cook, George W., Doniphan, Mo. Washboard. 1,630,170; May 24.
Cook, Jesse C. (See Austin, H. E., and Cook.)
Cooke, Geoffrey H., London, England. Instrument for luminous indication of quantities. 1,629,680; May 24.
Cooper, Harold M., Marshalltown, Iowa. Gasoline gauge. 1,629,994; May 24.
Cooper Hewitt Electric Company. (See Buttolph, Leroy J., assignor.)
Cooper Hewitt Electric Company. (See Malley, Roy D., assignor.)
Cooper Hewitt Electrical Company. (See Rollinson, Earl H., assignor.)
Cooper Hewitt Electric Company. (See Walker, Warren R., assignor.)
Cooper, Simon, assignor to Cooper Tea Packet Co., Inc., Brooklyn, N. Y. Tea bag. 1,629,612; May 24.
Cooper Tea Packet Co. (See Cooper, Simon, assignor.)
Coram, George M., Utica, N. Y. Luminous body. 1,630,171; May 24.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cover, Jay D., Huntington, W. Va. Metal joist. 1,629,479; May 24.
Coughlin, John H., Clinton, Mass. Packaging breakable articles. 1,629,995; May 24.
Cosart, R. B. (See Williams, Alvin L. and M. O., assignors.)
Craigo, John M., Hartford, Conn. Dental marking device. 1,629,861; May 24.
Cram, Hervey G., assignor to Great Northern Paper Company, Millinocket, Me. Paper-making apparatus. 1,629,681; May 24.
Crockett, William P., Chicago, Ill. Electric-light fixture. 1,629,613; May 24.
Cronenweth, Earl E., Glendale, Calif. Tire-chain applier. 1,630,111; May 24.
Croom, Hardy, Savannah, Ga. Ticket-holding device. 1,629,682; May 24.
Crumlish, William G., and W. F. Scott, Wilmington, Del. Radiocabinet. Des. 72,699; May 24.
Cundey, Clarence E., Philadelphia, Pa. Fiber-head spool. 1,630,058; May 24.
Curry, Clarence, Richmond, Va. Sausage-making machine. 1,629,655; May 24.
Curtis, Kenneth L. (See Bushman, E. L., Curtis, and Ward.)
Curtis, Robbins. (See Gray, B., and Curtis.)
Custer, Charles W., Quinter, Kans. Inclinometer. 1,630,172; May 24.
Cutler, Frank W., assignor to Cutler Manufacturing Company, Portland, Oreg. Conveyer. 1,629,776; May 24.
Cutler Manufacturing Company. (See Cutler, Frank W., assignor.)
Dabrasky, August, Washington, D. C. Semiautomatic rammer for guns. 1,629,683; May 24.
Dahl, Christ, Chicago, Ill. Tire carrier and protector. 1,629,777; May 24.
Dahlberg & Company. (See Munroe, Treadway B., assignor.)
Dahlstrom, Alger. (See Chadwick, L. S., Resek, and Dahlstrom.)
Daniel, Mina, administratrix. (See Daniel, Paul U.)
Daniel, Paul U., deceased, Brooklawn, N. J.; M. Daniel, administratrix, assignor of one-half to F. C. Rogers, Philadelphia, Pa. Amusement device. 1,629,570; May 24.
Darlington, Philip J., Brookline, Mass. Micrometer caliper. 1,629,480; May 24.
Davidson, William W., assignor to The Ridgely Trimmer Company, Springfield, Ohio. Wire brush. 1,629,481; May 24.
Davis, Steve A., Detroit, Mich. Clamping mechanism for can openers. 1,629,482; May 24.
Davis, Steven G., Perrysville, Ind. Crossing. 1,629,778; May 24.
Dayton, Ernest L. (See Michaud, Elsear, assignor.)
Dayton Pump & Manufacturing Company, The. (See Eickmeyer, Earl E., assignor.)
Deagle, John M., Cataract, Ontario, Canada. Washing machine. 1,630,112; May 24.
Decatur Rotary Display Company. (See Bell, C. L., and Kessler, assignors.)
Degueldre, Fernand, Brussels, and Lievine Demaret, née Degueldre, La Louviere, Belgium. Fastener. 1,629,779; May 24.
Demaret, Lievine, née Degueldre. (See Degueldre, Fernand, assignor.)
De Mattia Brothers, Inc. (See De Mattia, Peter, assignor.)
De Mattia, Peter, Passaic, assignor to De Mattia Brothers, Inc., Garfield, N. J. Tire-vulcanizing mold. 1,630,113; May 24.
De Mesquita, Julius B., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Box. 1,629,484; May 24.
De Montmollin, Guillaume, and G. Bonbôte, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Stable diazo compound and making same. 1,629,906; May 24.
D'Escayrac, Bernard, assignor to Suerlain Perfumery Corporation of New York, New York, N. Y. Compact case. Des. 72,700; May 24.
Detmer, Ralph G., assignor to The American Frog & Switch Company, Hamilton, Ohio. Switch-point protector. 1,629,817; May 24.
Detrick, M. H., Co. (See Hosbein, Louis H., assignor.)
Detroit Specialty Products Corporation. (See Ross, Rufus R., assignor.)
Devereaux, William C., Detroit, Mich. Door latch. 1,629,614; May 24.
Dewey, Clarence L., Michigan City, Ind., assignor to Cement-Gun Company, Inc., Allentown, Pa. Holding clip for concrete reinforcement. 1,629,485; May 24.
Diamond Match Company, The. (See Snyder, Eugene, assignor.)
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Dippert, Charles W., Kenmore, N. Y. Apparatus for use in assembling radiator cores. 1,629,780; May 24.
Dishong, William, Johnstown, Pa. Welding and article produced thereby. 1,629,656; May 24.
Ditcham, William T., Twickenham, England, assignor to Radio Corporation of America, New York, N. Y. Wireless telephony. 1,629,685; May 24.
Dodd, John W., Brookline, assignor to George T. McLauthlin Company, Boston, Mass. Electrically-released brake. 1,629,781; May 24.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,630,059; May 24.

Dormer, John A. (See Malone, J. G., and Dormer.)
Dougherty, Daniel A., Philadelphia, Pa. Cleaning containers. 1,629,486; May 24.
Downey, Harry C. (See Fish, Herbert L., assignor.)
Doyle, James S. (See Hedley, F., and Doyle.)
Drauliette, Edmond, Paris, France. Making paving blocks and slabs made of rubber compound. 1,629,487; May 24.
Dreisbach, Charles A., New Haven, Conn., assignor to Dreisbach Motors Inc. Engine. 1,629,686; May 24.
Dreisbach Motors Inc. (See Dreisbach, Charles A., assignor.)
Dubiller, William. (See Mountford, William S., assignor.)
Duffner, Leonard J., Lynchburg, Va. Union suit. 1,629,687; May 24.
Dumont, Joseph, Gardner, Mass. Double carving cutter. 1,630,173; May 24.
Duncanson, Walter E., assignor to The J. G. Wilson Corporation, New York, N. Y. Venetian blind. 1,630,114; May 24.
Dunne, William H., Toronto, Ontario, Canada. Holding device. 1,629,488; May 24.
Dunning, William E., and J. Bachofen, assignors to The McCaskey Register Company, Alliance, Ohio. Adding machine. 1,629,615; May 24.
Duplex Motor Company. (See Nordwick, Henry A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Flaherty, Edmund M., assignor.)
Duprey, Louis J. Dorchester, assignor of one-half to H. S. James, Brookline, Mass. Massage vibrator. 1,630,115; May 24.
Duty Air Brake Co., The. (See Duty, Dorsey G., assignor.)
Duty, Dorsey G., Pennsboro, assignor to The Duty Air Brake Company, Janelew, W. Va. Air brake for motor vehicles. 1,629,997; May 24.
Dvorak, Anton, Berwyn, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. 1,629,489; May 24.
Dwyer, Jerry T., Youngstown, Ohio. Game apparatus. 1,629,907; May 24.
Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastern Tool & Mfg. Co. (See Montan, Adolph, assignor.)
Eberhard Faber Rubber Co. (See Faber, Eberhard L., assignor.)
Economic Machinery Company. (See Ekvall, Arvid P., assignor.)
Economy Engineering Company. (See Young, Wilfred S., assignor.)
Edwards, George F., Alameda, Calif. Automobile license-plate holder. 1,629,688; May 24.
Eickmeyer, Earl E., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Gasoline pump casing. Des. 72,701; May 24.
Ekvall, Arvid P., assignor to Economic Machinery Company, Worcester, Mass. Labeling machine. 1,630,235; May 24.
Eldredge, Clyde T., San Francisco, Calif. One-way motor way or street. 1,629,782; May 24.
Electric Refrigeration Corporation. (See Leonard, H. C., and Whittier, assignors.)
Electric Refrigeration Corporation. (See Whittier, Walter H., assignor.)
Electrol Inc. of Missouri. (See Scott, Lewis L., assignor.)
Electrolux Servel Corporation. (See von Platen, B. C., and Munters, assignors.)
Elmenthaler, William, Cleveland, Ohio. Apparatus for testing electric circuits. 1,630,116; May 24.
Elsas, Edward J., Kansas City, Mo. Combined level and plumb. 1,630,174; May 24.
Embossing Company, The. (See Graham, Tom C., assignor.)
Erwin, Orlando R., Forest Hills, N. Y., and W. D. Witter, Roselle Park, N. J., assignors to Foamite-Childs Corporation, New York, N. Y. Mixer and distributor fire-extinguishing apparatus. 1,629,490; May 24.
Faber, Eberhard L., New York, N. Y., assignor to Eberhard Faber Rubber Co. Type-cleaning compound. 1,629,862; May 24.
Fahrenwald, Frank A., Chicago Heights, Ill. Heat-resisting damper and the like. 1,629,689; May 24.
Fairmont Railway Motors, Inc. (See Kastler, Edward L., assignor.)
Faragher, Warren F., and W. A. Gruse, assignors to Gulf Refining Company, Pittsburgh, Pa. Cracking hydrocarbon oils. 1,629,908; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Serving tray or similar article. Des. 72,702; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Casserole holder. Des. 72,703; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Casserole holder. Des. 72,704; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Holder for glasses. Des. 72,705; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Holder for glasses. 72,706; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Holder for glasses. Des. 72,707; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Holder for glasses. Des. 72,708; May 24.
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Holder for glasses. Des. 72,709; May 24.
Farber, Simon W., Inc. (See Farber, Simon W., assignor.)
Faulkner, David C., assignor to The Moore Press, Inc., New York, N. Y. Combination candy box and toy house. 1,630,117; May 24.
Fay, Thomas J., Brooklyn, N. Y. Vehicle. 1,630,062; May 24.
Fefel, John E., Bridgeport, Conn., assignor of one-half to F. J. Hoey, New York, N. Y. Fabric weaving machine. 1,629,952; May 24.
Fels, Walter T., New York, assignor to Felstone Fireproof Construction Company, Mount Vernon, N. Y. Wall-molding apparatus. 1,630,080; May 24.
Felstone Fireproof Construction Company. (See Fels, Walter T., assignor.)
Fentress, George E., Los Angeles, Calif. Traveling block. 1,629,690; May 24.
Ferris, Walter, Milwaukee, and M. F. Keese, South Milwaukee, assignors to Bucyrus Company, South Milwaukee, Wis. Bushing. 1,629,818; May 24.
Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,629,491; May 24.
Field, Oscar S., Roselle, N. J., assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Switch circuit controller. 1,629,998; May 24.
Fink, Henry A., Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Mechanism for feeding filled cans to closing machines. 1,629,616; May 24.
Finkle, Harry, Philmont, N. Y. Connecter. 1,629,783; May 24.
Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
First Trust and Deposit Company, administrator. (See Latta, Emmit G.)
Fischer, H. S., Co. (See Isherwood, Paul A., assignor.)
Fischer Hollinshed Co. (See Grönningsaeter, Sigurd, assignor.)
Fish, Herbert L., assignor to H. C. Downey, Springfield, Ohio. Blowtorch. 1,629,909; May 24.
Fisher, Roy S., assignor to Timmons Radio Products Corporation, Philadelphia, Pa. Electron-tube amplifying apparatus. 1,630,118; May 24.
Fitch, C. J., Inc. (See Fitch, Clyde J., assignor.)
Fitch, Clyde J., assignor to C. J. Fitch, Inc., Brooklyn, N. Y. Telephonic speaker. 1,630,119; May 24.
Fitzgerald Mfg. Company, The. (See Smith, Alva T., assignor.)
Flaherty, Edmund M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Low viscosity lacquer and film produced therefrom. 1,629,999; May 24.
Fleisch, Elmer. (See Vogt, F. A., Fleisch, and Goldsmith.)
Fleiter, Andrew J., and T. A. Miller, assignors to The Akron Standard Mold Company, Akron, Ohio. Mold-engraving machine. 1,629,910; May 24.
Flekstein, Anton, Detroit, Mich. Mail-box cover-actuated switch. 1,630,081; May 24.
Fleming, John J., Vineland, N. J. Method and apparatus for making sash-weight molds. 1,629,492; May 24.
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Spoke-turning lathe. 1,629,691; May 24.
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Wheel-making machine. 1,629,692; May 24.
Foamite-Childs Corporation. (See Erwin, O. R., and Witter, assignors.)
Foltz, Andrew, Lambertville, N. J. Housing for pipe connections. 1,629,693; May 24.
Foote, Florian, Oakwood, Wis. Cotter pin and staple puller. 1,629,953; May 24.
Ford, Ben K., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for and method of applying tips to cores. 1,629,694; May 24.
Ford, Elmer A., et al. (See Mason, Frank B., assignor.)
Ford, Henry, Dearborn, Mich. Automobile body construction. 1,629,493; May 24.
Forshay, Jesse B., assignor of one-half to B. E. Weldy, Denver, Colo. Manifold heater. 1,629,657; May 24.
Forsyth, George H., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Bolt mounting. 1,629,494; May 24.
Foster, John M. (See Penson, William R., assignor.)
Foster, Walter W. (See Hill, R. D., and Foster.)
Fox, Otto, Lakewood, assignor to The Bryant Heater Manufacturing Company, Cleveland, Ohio. Water heater. 1,629,658; May 24.
Frank, Walter N., assignor to The Groian Manufacturing Company, Dayton, Ohio. Liquid-level gauge. 1,630,000; May 24.
Franke, Charles A. (See Bilderback, H. S., and Franke.)
Frankenberg, Julius, Milwaukee, Wis. Fluid-gas compressor. 1,629,495; May 24.

Franklin, Ned G., assignor of one-half to I. A. Smith, Independence, Mo. Rail joint. 1,630,063; May 24.
Fraser, James, Edgemoor, assignor to Speakman Company, Wilmington, Del. Foot-actuated valve. 1,629,496; May 24.
Fraser, William J., Toronto, Ontario, Canada. Switch. 1,629,497; May 24.
Frère, Maurice P. C. (See Jacquemin, J. E. T., and Frère.)
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix for typographical machines. 1,630,175; May 24.
Frey, Charles D., Charlotte, N. C. Combination guide. 1,630,120; May 24.
Frey, Robert, Altoona, Pa. Trouser stretcher. 1,629,659; May 24.
Fried. Krupp Aktiengesellschaft. (See Pfretzschner, Jakob, assignor.)
Fry, Sarah E. (See Glidea, C. W., and Fry.)
Fry, William H. (See Glidea, C. W., and Fry.)
Fuchs, Hugo, New York, N. Y., assignor of one-half to C. M. Sincerbeaux, Jackson Heights, N. J. Metal-bending machine. 1,630,064; May 24.
Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Portable scoving. Re16,634; May 24.
Fuller, Leroy F. (See Besslink, William, assignor.)
Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Razor-blade holder. 1,629,863; May 24.
Gaisman, Lucien, Audenshaw, near Manchester, and A. E. Brown, Brentwood, assignors to Universal Rubber Paviors (Manchester 1923) Limited, Audenshaw, near Manchester, England. Apparatus for forming dovetail or undercut recesses in clay or other plastic material. 1,629,660; May 24.
Galion Iron Works & Mfg. Co., The. (See Keeler, Raymond W., assignor.)
Gardiner, Walter B., Hartford, Conn. Ball-grinding machine. 1,629,864; May 24.
Gardner, Kenneth C., assignor to The Greenville Steel Car Company, Greenville, Pa. Car construction. 1,630,001; May 24.
Garland, Ralph C., assignor to Skinner Automotive Device Co. Inc., Detroit, Mich. Lubrication of internal-combustion engines. 1,629,695; May 24.
Garrett, Amos B., Tyler Woods, Pa. Hoe. 1,630,121; May 24.
Gates, Thayer P. (See Watson, John C., assignor.)
Geiger, Eugen, Karlsruhe, Germany. Rotating endless screen belt for the mechanical purification of water. 1,629,572; May 24.
Gellette Schmidt Corporation. (See Schmidt, Benjamin F., assignor.)
General Motors Corporation. (See Jack, Robert K., assignor.)
General Motors Corporation. (See McConkey, Montgomery W., assignor.)
General Rubber Company. (See Mansfield, Daniel E., assignor.)
Gerhard, Joseph M., Sheridan, Wyo. Candy-dispensing box. 1,629,661; May 24.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Spring means for electric switches. 1,629,911; May 24.
Getz, Phares E., Neosho, Mo. Well bucket. 1,629,912; May 24.
Gibson, Charles, New Kensington, assignor to Union Spring & Manufacturing Company, Pittsburgh, Pa. Journal box. 1,629,865; May 24.
Gilbert, Clarence E., Aberdeen, S. Dak. Scarifier. 1,629,784; May 24.
Gilbert, Clarence E., Aberdeen, S. Dak. Scraper shoe. 1,629,785; May 24.
Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Hub for split pulleys and the like. 1,629,498; May 24.
Glidea, Christopher W., and W. H. Fry, deceased, Kansas City, Mo.; S. E. Fry, widow of and by decree of court owner of the property of said W. H. Fry. Shock absorber. 1,629,499; May 24.
Gledhill, Edward C., Galion, Ohio. Steering gear for road graders. 1,629,573; May 24.
Globe Lighting Fixture Mfg. Co. (See Villaret, Gustave E., assignor.)
Gluud, Wilhelm, Dortmund, Germany, assignor to The Koppers Company, Pittsburgh, Pa. Removing sulphureted hydrogen from gases. Re16,631; May 24.
Goff, Jess, assignor of one-half to L. M. Adams, Los Angeles, Calif. Pipe rip and cut-off. 1,629,696; May 24.
Goldsmith, Hugo. (See Vogt, F. A., Fleisch, and Goldsmith.)
Goldsmith, P., Sons Company, The. (See Vogt, F. A., Fleisch, and Goldsmith, assignors.)
Good Inventions Co. (See Good, John, assignor.)
Good, John, Brooklyn, assignor to Good Inventions Co., New York, N. Y. Engine fuel system. 1,629,500; May 24.
Goodfellow, Joseph. (See Chapman, Charles E., assignor.)
Goodloe, Elmore L., and G. E. Peniston, Kansas City, Mo. Illuminated advertising device. 1,629,697; May 24.
Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
Goodrich, B. F., Company, The. (See Nied, Fred A., assignor.)
Goudet, Charles. (See Breslauer, J., and Goudet.)
Graham, Tom C., assignor to The Embossing Company, Albany, N. Y. Plant and flower modeling outfit. 1,630,082; May 24.
Gray, Bertram, and R. Curtis, Johannesburg, Transvaal, South Africa. Liquid rheostat. 1,630,176; May 24.
Gray, Daniel M., E. Haub, and J. J. Williams, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Closure for food containers. 1,629,698; May 24.
Gray, David N., Pittsburgh, Pa. Pocketbook-fastening device. 1,630,002; May 24.
Great Northern Paper Company. (See Cram, Hervey G., assignor.)
Grebowiec, Izydor, Homestead, Pa. Pontoon. 1,630,003; May 24.
Greegor, Ralph H. (See Rush, A., and Greegor.)
Greenville Steel Car Company, The. (See Gardner, Kenneth C., assignor.)
Grimm, Frank V. (See Rogers, F. M., Grimm, and Wendt.)
Grolan Manufacturing Company, The. (See Carter, Alick L., assignor.)
Grolan Manufacturing Company, The. (See Frank, Walter N., assignor.)
Grolan Manufacturing Company, The. (See Hill, Reuben, assignor.)
Grolan Manufacturing Company, The. (See Rippingille, Edward V., assignor.)
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,629,617; May 24.
Grondahl, Lars O., Pittsburgh, and H. M. Ryder, Bradford, assignors to Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,629,866; May 24.
Grönningsaeter, Sigurd, Brooklyn, assignor of one-half to Fischer Hollinshed Co., Inc., New York, N. Y. Transferring vitamines. 1,629,618; May 24.
Gross, Morris, New York, N. Y. Tire rim. 1,629,913; May 24.
Grove, Thomas E. (See Binkley, R. S., Stutsman, and Grove.)
Gruse, William A. (See Faragher, W. F., and Gruse.)
Guertler, William, Charlottenburg, and W. Sander, Essen, assignor to the Firm: Th. Goldschmidt A.-G., Essen, Germany. Improving aluminum alloys. 1,629,699; May 24.
Gulbransen, Christian, assignor to Gulbransen Company, Chicago, Ill. Player piano. 1,630,177; May 24.
Gulbransen Company. (See Gulbransen, Christian, assignor.)
Gulf Refining Company. (See Faragher, W. F., and Gruse, assignors.)
Gunthorpe, Charles H., sr., Port Arthur, Tex. Vehicle wheel grip member. 1,629,786; May 24.
Guth, Edwin F., St. Louis, Mo. Bowl-supporting means for lighting fixtures. 1,630,004; May 24.
Hass, Philip, Dayton, Ohio. Inlet-valve mechanism. 1,629,914; May 24.
Hackett, Allen S., New Orleans, La. Bridge approach. 1,629,787; May 24.
Haddad, Abraham F., Fernie, British Columbia, Canada, assignor to R. Haddad, Cranbrook, British Columbia. Direction indicator. 1,629,501; May 24.
Haddad, Rosie. (See Haddad, Abraham F., assignor.)
Hähle, Herbert. (See Pollikier, H., and Hähle.)
Haker Manufacturing Co. (See Christopherson, Alfred C., assignor.)
Halick, James. (See Boucek, J., and Halick.)
Haltenberger, Jules, assignor to Jules Haltenberger, Incorporated, Indianapolis, Ind. Internal-combustion engine. 1,630,245; May 24.
Haltenberger, Jules, Incorporated. (See Haltenberger, Jules, assignor.)
Hamaker, Rex G. (See O'Boyle, T., and Hamaker.)
Hammond, William P., East Orange, N. J. Apparatus for renewing surfaces of golf balls. 1,630,244; May 24.
Hampson, John, London, England. Agricultural implement. 1,629,915; May 24.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Desk set. 1,629,574; May 24.
Hansen, Hans C. (See Reimer, J. A., and Hansen.)
Hanssen, Christian M., Mjondalen, assignor to A/S. Thunes mek. Verksted, Skoyjen, near Oslo, Norway. Primary strainer for cellulose, wood pulp, etc. 1,629,619; May 24.
Hargroves, Linwood W. and H. L. Herman, Augusta, Ga. Envelope. 1,629,788; May 24.
Harmony, Minnie M., Canton, Ohio. Mail-box station. 1,629,620; May 24.
Harrington, John C., Manchester Depot, Vt. Brake mechanism. 1,630,178; May 24.
Harris, Frank A. (See Hirsch, H. M., and Harris.)
Harrison, Amos, assignor to Jas. P. Marsh & Company, Chicago, Ill. Air and vacuum valve. 1,629,789; May 24.
Harter, Charles F., Denver, Colo. Holster. 1,629,700; May 24.
Hartford-Empire Company. (See Budd, Clinton S., assignor.)
Hartford-Empire Company. (See Peller, Karl E., assignor.)

Hartford-Empire Company. (See Weaver, David P., assignor.)
Hasck, Milton T., Cedar Rapids, Iowa. Bottle cap. 1,630,179; May 24.
Hass, John P., International Falls, Minn. White-water self-cleaning settling tank. 1,629,701; May 24.
Haub, Edwin. (See Gray, D. M., Haub, and Williams.)
Hausser, C. A., & Son. (See Trenner, Simeon, assignor.)
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition magneto. 1,629,575; May 24.
Hayes Wheel Company. (See Flick, Henry, assignor.)
Hayes Wheel Company. (See Higgins, Eugene, assignor.)
Hazel-Atlas Glass Company. (See Gray, D. M., Haub, and Williams, assignors.)
Hazelrigg, Jackson R., Exeter, Calif. Wall construction. 1,629,702; May 24.
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Change making and ejecting mechanism. 1,629,621; May 24.
Henry, Nelson B., Atlanta, Ga. Gin. 1,630,005; May 24.
Herman, Henry F., Chappaqua, assignor to Stratiline Radio Corporation, New York, N. Y. Electrical condenser. 1,629,867; May 24.
Herman, Herbert L. (See Hargroves, L. W., and Herman.)
Herring, Jacob F., assignor of one-half to W. Spector, Staunton, Va. Device for applying tire chains. 1,630,006; May 24.
Hesslink, William, Ashland, assignor to L. F. Fuller, Springfield, Mass. Spring suspension for vehicles. 1,629,868; May 24.
Hickok Manufacturing Company. (See Mabon, Merril, assignor.)
Higgins, Eugene, assignor to Hayes Wheel Company, Jackson, Mich. Rim-rolling machine. 1,629,703; May 24.
Hiley, Alfred, Rickmansworth, assignor of one-half to E. Le Bas, London, England. Construction of concrete piles or columns. 1,629,622; May 24.
Hill, Reuben, West Hartford, Conn., assignor to The Grolan Manufacturing Company, Dayton, Ohio. Temperature indicator. 1,630,007; May 24.
Hill, Richard D., and W. W. Foster, Wichita Falls, Tex. Jerk-line break-out pulley. 1,629,662; May 24.
Hinckley, Burton C., C. J. Thoman, and G. E. Holton, assignors to The Hinckley-Myers Company, Jackson, Mich. Reaming mechanism. 1,630,083; May 24.
Hinckley-Myers Company, The. (See Hinckley, B. C., Thoman, and Holton, assignors.)
Hindmarsh, Percy J., Lincoln, Nebr., assignor to The American Steel and Wire Company of New Jersey. Fencepost. 1,629,663; May 24.
Hirsch, Harry M., and F. A. Harris, Parsons, Kans. Automatic gate. 1,629,790; May 24.
Hirshfield, Maurice W., New York, N. Y. Cushioned heel. 1,629,916; May 24.
Hitchcock, Halbert K., Pittsburgh, Pa. Apparatus for grading abrasive and applying same to continuous grinding systems. 1,629,502; May 24.
Hoban, Fairfield W., assignor, by mesne assignments, to Holdaphone, Incorporated, New York, N. Y. Telephone attachment. Re16,635; May 24.
Hochstetter, Frederick W., Dayton, Ohio, and W. W. Thorpe, New York, N. Y. Sound receiver and transmitter. 1,629,869; May 24.
Hoeglund, Otelia A., Cincinnati, Ohio. Union or one-piece undergarments. 1,629,704; May 24.
Hoey, Frank J. (See Fefel, John E., assignor.)
Hoffman, Frank, Detroit, Mich. Lock nut. 1,629,503; May 24.
Hohl, John, Lincoln Park, N. J., and O. J. Maurer, Wilkinsburg, Pa. Material-dividing machine. 1,629,917; May 24.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Letter-spacing mechanism for typewriters. 1,629,623; May 24.
Holdaphone, Incorporated. (See Hoban, Fairfield W., assignor.)
Holmberg, Charles G., jr., Oak Park, and J. S. Stull, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Material-working mechanism. 1,629,705; May 24.
Holt, Frank L. (See Stewart, H. A., and Holt.)
Holte, Halvor, special administrator. (See Holte, Harold O.)
Holte, Harold O., deceased, Pittsburgh, H. Holte, special administrator, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,629,624; May 24.
Holton, George E. (See Hinckley, B. C., Thoman, and Holton.)
Holtzman, John, New York, N. Y. Cleaning device. 1,630,084; May 24.
Homer Furnace Company. (See Hyatt, Charles D., assignor.)
Hooker Electrochemical Company. (See Stuart, Kenneth E., assignor.)
Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
Hopkins, Marcus C., Brooklyn, N. Y., assignor to Hopkins Corporation. Cone-type loud speaker. 1,630,008; May 24.
Hopkins, Marcus C., Brooklyn, N. Y., assignor to Hopkins Corporation. Translating device. 1,630,009; May 24.
Hopkins, Marcus C., Brooklyn, N. Y., assignor to Hopkins Corporation. Electrical translating device. 1,630,010; May 24.
Hopkins, Marcus C., Brooklyn, N. Y., assignor to Hopkins Corporation. Loud speaker. 1,630,011; May 24.
Horgan, Patrick J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,629,870; May 24.
Hornaday, Charles W., Sidney, Nebr. Sanitary bottle carrier for milk bottles. 1,629,871; May 24.
Hosbein, Louis H., Winnetka, assignor to M. H. Detrick Co., Chicago, Ill. Furnace-arch construction. 1,629,706; May 24.
Hoskins, Zachary T., Chicago, Ill. Rail joint. 1,629,791; May 24.
Howard, William B., assignor to Sattley Company, Detroit, Mich. Coin-wrapper crimper. 1,629,625; May 24.
Hudson, Finn S., Kansas City, Mo. Automobile driving mechanism. 1,629,707; May 24.
Huebner, George, La Grange, Tex. Plant-dusting attachment. 1,629,872; May 24.
Huffman, Robert L., South Miami, Fla. Surveyor's instrument. 1,630,180; May 24.
Hughes, Hugh E., assignor to The Weed Control Company of California, Berkeley, Calif. Weed-destroying composition. 1,629,819; May 24.
Humphreys, Charles F., and J. C. McCarthy, Lancaster, assignors to Armstrong Cork Company, Pittsburgh, Pa. Linoleum floor coverings and process of manufacture. 1,630,085; May 24.
Hunter, John S., Coalinga, Calif. Double-acting pump. 1,629,792; May 24.
Hustad, Matias M., assignor of one-half to O. J. Orton, Ortley, S. Dak. Ledger plate fastener for guard fingers. 1,629,793; May 24.
Hutchinson, Ely C., Oakland, assignor to The Pelton Water Wheel Co., San Francisco, Calif. Attaching rubber seal rings in metal containers. 1,630,012; May 24.
Huyser, William W., Pueblo, Colo. Curtain bracket. 1,629,820; May 24.
Hyatt, Charles D., assignor to Homer Furnace Company, Coldwater, Mich. Tongs. 1,630,013; May 24.
I. G. Farbenindustrie Aktiengesellschaft. (See Jensch, Heinrich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Polikier, H., and Hähle, assignors.)
Indian Territory Illuminating Oil Company. (See Pierce, Homer R., assignor.)
Industrial Research Corporation. (See Boughton, Solon J., assignor.)
Interessentskapet Johs. Rudlands Selvbinder. (See Rudland, Johannes, assignor.)
International Motor Company. (See Wirrer, Gottfried, assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Irish, William F., Anderson, S. C. Display hook. 1,629,576; May 24.
Isherwood, Paul A., West Chicago, assignor to H. S. Fischer Co., Chicago, Ill. X-ray apparatus. 1,630,181; May 24.
Israel, Albert H. (See Kramer, J., and Israel.)
Ivarson, Victor E., New Rochelle, N. Y. Spirit level. 1,630,122; May 24.
Iversen, Lorenz, Pittsburgh, Pa. Making valves. 1,629,504; May 24.
Jack, Robert K., Lansing, assignor to General Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,629,664; May 24.
Jack, Robert K., Lansing, assignor to General Motors Corporation, Detroit, Mich. Battery support. 1,629,665; May 24.
Jacobs, Emanuel, Detroit, Mich. Razor-honing device. 1,630,182; May 24.
Jacovatos, Nicholas H., New York, N. Y. Liquid-flow governor. 1,629,821; May 24.
Jacquemin, Joseph E. T., and M. P. C. Frère, Brussels, Belgium. Target-practice device. 1,629,794; May 24.
James, Hubert S. (See Duprey, Louis J., assignor.)
Jamgotch, Hagop A., Minneapolis, Minn. Stair-carpet fastener. 1,629,505; May 24.
Janer, Andre, Flushing, N. Y. Ash tray. Re16,628; May 24.
Jensch, Heinrich, Hochst-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Acridine derivatives and making same. 1,629,873; May 24.
Jensen, Hans C., Port Clinton, Ohio. Catoptric light. 1,629,506; May 24.
Jewell, Frederick C. and H. S., Chicago, Ill. Valve lifter. 1,629,708; May 24.
Jewell, Henry S. (See Jewell, Frederick C. and H. S.)
Jirasek, John, Detroit, Mich. Hot-water vest. 1,629,626; May 24.
Jobes, Frank M., Ann Arbor, Mich. Internal-combustion engine. 1,629,795; May 24.
John, Ferdinand, Dusseldorf-over-Kassel, Germany. Rotary-key clutch. 1,630,183; May 24.
Johns-Manville Incorporated. (See Wardell, Henry R., assignor.)

Johnson, Charles H., Sacramento, Calif. Direction indicator. 1,630,014; May 24.
Johnson, Charles H., Sacramento, Calif. Direction indicator. 1,630,015; May 24.
Johnston, Carl W., et al. (See Andrews, Walter S., assignor.)
Johnston, Charlie N., et al. (See Andrews, Walter S., assignor.)
Jones, Harold F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Guard for pulleys. 1,629,709; May 24.
Jones, Harry W. (See Sanford, H. W., and Jones.)
Jonick, Michael, New York, N. Y., assignor to Jonick-Sirken Co., Inc. Lighting-fixture strap. Des. 72,710; May 24.
Jonick, Michael, New York, N. Y., assignor to Jonick-Sirken Co., Inc. Lighting-fixture wall bracket. Des. 72,711; May 24.
Jonick-Sirken Co. (See Jonick, Michael, assignor.)
Joseph, Sheldon, assignor of eighteen one-hundredths to J. P. Cole, sixteen one-hundredths to W. B. Casey, and sixteen one-hundredths to E. H. Meagle, Wheeling, W. Va. Kerosene-gas generator and burner using radiant. 1,630,184; May 24.
Junkers, Hugo. (See Mader, Otto, assignor.)
Kaiser, George D., Chicago, Ill. Valve-control mechanism. 1,629,627; May 24.
Kalman Steel Company. (See Weller, George L., assignor.)
Kalman Steel Company. (See White, William E., assignor.)
Kandle, Furman M., Atlantic City, N. J. Floor and ceiling construction. 1,630,185; May 24.
Kastler, Edward L., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Sliding-base engine. 1,629,918; May 24.
Katz, Jack, New York, N. Y. Clock case. Des. 72,712; May 24.
Kaufman, Solomon, New York, N. Y. Collar button. 1,629,822; May 24.
Kaufman, Solomon, New York, N. Y. Collar button. 1,629,823; May 24.
Keeler, Raymond W., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Transmission control. 1,629,666; May 24.
Keenan, Walter F., jr., Pelham, assignor to Power Specialty Company, New York, N. Y. Superheater boiler. 1,630,087; May 24.
Keese, Matthew F. (See Ferris, W., and Keese.)
Kelly, Edward J., Chester, Pa. Tangle arrester for coning machines. 1,629,507; May 24.
Kelly, Hanson C., West Burlington, Iowa. Combination knife for peeling oranges. 1,630,186; May 24.
Kelly, Orson N., Los Angeles, Calif. Vending machine. 1,629,824; May 24.
Kelly, William M., Westfield, N. J. Automatic pile-elevating mechanism for sheet feeders. 1,629,874; May 24.
Kelsey, Walter H., Kansas City, Mo. Mattress and making the same. Re16,638; May 24.
Keltie, George R., Woonsocket, R. I., assignor to American Wringer Company, Inc. Wringer roll. 1,630,086; May 24.
Kelvie, James D., jr., Massillon, Ohio. Blowtorch and pot. 1,629,628; May 24.
Kenan, John J. W., and W. M. Cady, Newark, N. J. Radio apparatus. 1,629,825; May 24.
Kenan, John J. W., and W. M. Cady, Newark, N. J. Radio apparatus. 1,629,826; May 24.
Kennedy, Julian, Pittsburgh, Pa. Blast furnace. 1,629,508; May 24.
Kennedy, Julian, Pittsburgh, Pa. Elevator tower for blast-furnace structures. 1,630,088; May 24.
Kennedy, Walter, Cliffside, N. J. Gas-heater grill. Des. 72,718; May 24.
Kenner, Minor, New Orleans, La. Mop-assembling apparatus. 1,630,187; May 24.
Kerlin, John F., and H. J. Rosenhoffer, Bradford, Pa., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Pigtail connection for brushes. 1,629,875; May 24.
Kerwin, William C., Joplin, Mo. Manifold. 1,629,796; May 24.
Kesel, Fred, and G. Nichols, Honeoye Falls, N. Y. Mousetrap. 1,630,123; May 24.
Kessler, Morris S. (See Bell, C. L., and Kessler.)
Kidwell Boiler Company. (See Kidwell, Edgar, assignor.)
Kidwell, Edgar, assignor to Kidwell Boiler Company, Milwaukee, Wis. Steam boiler. 1,629,954; May 24.
Kidwell, Edgar, assignor to Kidwell Boiler Company, Milwaukee, Wis. Steam boiler. 1,629,955; May 24.
Kimble, Raymond T., assignor to The Cambridge Glass Company, Cambridge, Mass. Machine for finishing pressed-glass articles. 1,629,827; May 24.
Kinnear, Manufacturing Company, The. (See Rush, A., and Greegor, assignors.)
Kirk, Robert W., Adrian, Mich., assignor to American Chain Company, Inc. Automobile bumper. 1,629,509; May 24.
Kisselburg, John W., Purcell, assignor of one-half to L. A. Reeves, Pauls Valley, Okla. Boll-weevil exterminator. 1,630,016; May 24.
Klahn, Emil, New Vernon, N. J. Sustaining bodies in space. 1,629,577; May 24.
Klipec, Joseph, Cleveland, Ohio. Guard for fishhooks. 1,629,510; May 24.
Klopsteg, Paul E., and W. H. Stannard, Homewood, assignors to Central Scientific Company, Chicago, Ill. Thermosensitive circuit controller. 1,629,710; May 24.
Klopsteg, Paul E., and W. H. Stannard, Homewood, assignor to Central Scientific Company, Chicago, Ill. Circuit breaker. 1,629,711; May 24.
Knapp Brothers Manufacturing Company. (See Thomas, Wingate S., assignor.)
Knauff, Ulysses G., Minneapolis, Minn. Holder for baking potatoes. 1,630,188; May 24.
Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 1,629,712; May 24.
Knipple, James D., Johnstown, Pa. Metal-cutting tool. 1,629,667; May 24.
Knittel, Adam, Tyner, Tenn. Filling-station valve and key. 1,629,797; May 24.
Knowles, Frank W., Seattle, Wash. Compressor. 1,629,798; May 24.
Knudson, Emma R., Jewell, Iowa. Laundry clothes-handling apparatus. 1,630,189; May 24.
Kollsch, Paul. (See Aldendorff, Fritz, assignor.)
Koll, Louis, assignor to Stuber & Kuck Co., Peoria, Ill. Can. 1,629,828; May 24.
Kopenhaver, Anna A., Stockton, Calif. Sanitary egg beater. 1,629,956; May 24.
Koppers Company. (See Gluud, Wilhelm, assignor.)
Koslowski, Frans, Glatz, Germany. Lace joint for shoes and other apparel. 1,629,713; May 24.
Kothe, Charles A., East Cleveland, assignor, by mesne assignments, to M. A. Barber, Cleveland Heights, Ohio. Automatic train-pipe connecter. 1,629,578; May 24.
Kramer, Joseph, and A. H. Israel, New York, N. Y. Machine for manufacturing corrugated board. 1,629,511; May 24.
Kraus, Charles E., Babylon, N. Y. Cement composition. 1,629,714; May 24.
Kündig, Fritz, Wallisellen, near Zurich, Switzerland. Production of coffee free from caffeine. 1,629,512; May 24.
Laabs, William, Milwaukee, Wis., assignor to The All-bright-Nell Company, Chicago, Ill. Cooker. 1,630,124; May 24.
La Barr, Joel S. (See Bradford, R. H., La Barr, and Thompson.)
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,630,061; May 24.
Landaw, Oak, Nappanee, Ind. Table top. 1,629,799; May 24.
Lane, Henry W., Ione, Calif. Foot accelerator. 1,629,919; May 24.
Lang, Edward M., jr., 3rd, Portland, Me. Food-preserving can. Re16,629; May 24.
Lange, Louvern G., Passaic, N. J. Apparatus for inserting insulating disks in metal caps. 1,629,513; May 24.
Langley, Herman O., St. Albans Gardens, N. Y. Camera-supporting means. 1,629,579; May 24.
Larner, Chester W., Philadelphia, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Plunger valve. 1,629,957; May 24.
Larson, John, Littlefork, Minn. Clothespin. 1,630,017; May 24.
Latta, Emmit G., deceased, Syracuse, N. Y.; First Trust and Deposit Company, administrator, assignor to Underwood Typewriter Company. Typewriting machine. 1,629,514; May 24.
Leach, William J., Burlington, Wis. Electrical-tube-connecter twisting device. 1,629,800; May 24.
Leake, Thomas C., assignor to Bear Tractor Corporation of America, New York, N. Y. Track chain for tractors. 1,630,089; May 24.
Le Bas, Edward. (See Hiley, Alfred, assignor.)
Lechler, Paul. (See Merger, Robert, assignor.)
Lee, Charles W., Lock Haven, Pa. Composite reenforced railway tie. 1,630,190; May 24.
Leech, Isaac, and T. H. Bradley, Oldham, assignor, by mesne assignments, to The Murray Company, Dallas, Tex. Rib rail for cotton gins. 1,630,018; May 24.
Lenhardt, Frits, Mannheim-on-the-Rhine, Germany. Resilient wheel. 1,629,715; May 24.
Lenk, Gus F., Dallas, Tex. Furnace-roof construction. 1,629,668; May 24.
Lenn, James T., Newburgh, Ind. Shock absorber for vehicle springs. 1,630,125; May 24.
Leo, Albert, Winfield, Ill. Jelly preparation. 1,629,716; May 24.
Leon, Lewicki J., West Chicago, Ill. Bird cage. 1,629,717; May 24.
Leonard, Frank P., Troy, N. Y. Shingles and roofing. 1,630,019; May 24.
Leonard, Harry C., and W. H. Whittier, Grand Rapids, assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerator-flue construction. 1,630,065; May 24.
Liberman, Charles, New York, N. Y. Shoe-raising-platform device. 1,630,191; May 24.
Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
Lincoln, James F., assignor to The Lincoln Electric Company, Cleveland, Ohio. End frame ring for motors. 1,629,876; May 24.

Lincoln, James F., assignor to The Lincoln Electric Company, Cleveland, Ohio. Frame for dynamo-electric machines. 1,629,877; May 24.
Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Brush mounting for vacuum cleaners, etc. 1,629,801; May 24.
Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Brush mounting for vacuum cleaners, etc. 1,629,802; May 24.
Linn, Carl O., Salina, Kans. Extension rule. 1,629,829; May 24.
Lippis, John, Brookside, and M. E. Somerville, Canon City, Colo. Railway safety block. 1,629,669; May 24.
Lipschutz, George, Philadelphia, Pa. Electric-light fixture. Des. 72,714; May 24.
Lite-Rays Cooker Corporation, The. (See Smith, John E., assignor.)
Lithander, Nelson P., Brandon, Manitoba, Canada. Rotary engine. 1,629,580; May 24.
Lockard, David E. (See Lockard, David J. and D. E.)
Lockard, David J. and D. E., Toledo, Ohio. Scaffold bracket. 1,629,718; May 24.
Lodge, Edward N. (See Malme, Gustave A., assignor.)
Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Calif. Automatic governing device for fluid-displacement meters. 1,630,020; May 24.
Lomando, Lewis, Hazleton, Pa. Chain conveyer. 1,629,515; May 24.
Long, Herbert, Walthamstow, London, England, assignor to Taylor Instrument Companies, Rochester, N. Y. Barometer. Des. 72,715; May 24.
Louden, Robert B., Fairfield, Iowa. Panel for animal pens. 1,629,719; May 24.
Lovell Manufacturing Company. (See Robertson, William, assignor.)
Lucas, George P., Jersey City, N. J. Centrifugal hammer. 1,630,021; May 24.
Lundquist, Frank A., assignor to New Process Burner Corporation, Chicago, Ill. Automatic control for oil burners. 1,630,022; May 24.
Lyons, Leon L., Omaha, Nebr. Sheet-rubber-splitting machine. 1,629,830; May 24.
M S Company. (See Nittel, Fredrick W., assignor.)
Mabon, Merril, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 72,716; May 24.
MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for making rubber footwear. 1,629,920; May 24.
Machlet, Adolph W., Elizabeth, N. J. Tool for drilling concrete, etc. 1,629,581; May 24.
Mackintosh, William B. (See Anthony, W. C., and Mackintosh.)
MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)
Mader, Otto, assignor to H. Junkers, Dessau, Germany. Scavenging pump of internal-combustion engines. 1,629,878; May 24.
Madsen, Fred T., Maywood, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,629,516; May 24.
Madson, Nels, Coeur d'Alene, Idaho. Wheeled toy. 1,630,192; May 24.
Maglathlin, Horace B., Kingston, Mass. Cranberry-harvesting apparatus. 1,629,831; May 24.
Mahoney, Myles, Montreal, Quebec, Canada. Locomotive boiler. 1,629,720; May 24.
Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric-lamp outfit. 1,630,090; May 24.
Mallory, Aaron L., St. Petersburg, Fla. Eyeshade. 1,630,193; May 24.
Malme, Gustave A., Racine, Wis., assignor to E. N. Lodge, Columbus, Ohio. Mount for photographs and the like. 1,629,670; May 24.
Malmgren, Edward A., Duluth, Minn. Car-tilting mechanism. 1,629,721; May 24.
Malone, James G., and J. A. Dormer, Detroit, Mich. Rock or ore crushing machine. 1,630,194; May 24.
Mammi, Frank, Brooklyn, N. Y. Radiator faceplate. Des. 72,717; May 24.
Manitowoc Ship Building Corporation. (See Moore, Roy S., assignor.)
Manafield, Daniel E., Weehawken, N. J., assignor to General Rubber Company, New York, N. Y. Furnace for supplying drying gases. 1,629,921; May 24.
Marcy, Frank E., San Diego, Calif. Grate for ball mills and making same. 1,629,803; May 24.
Margolith, Mordicha, New York, N. Y. Vending machine. 1,630,195; May 24.
Marklein, Otto. (See Shadbolt, W. O., and Marklein.)
Marquette Tool & Manufacturing Co. (See Rode, Fredrich J., assignor.)
Marsat, Antoine J. B., Verrieres-le-Buisson, France. Cap or socket for incandescent electric lamps and the like. 1,630,126; May 24.
Marsh, Jas. P., & Company. (See Harrison, Amos, assignor.)
Marshall, Thomas C., Mount Savage, Md. Making tire casings. 1,629,517; May 24.
Martin-Copeland Company. (See Pendleton, Pyam L., assignor.)
Martin, Daniel H., Los Angeles, Calif. Power-transmitting mechanism. 1,629,518; May 24.
Martin, George C., Los Angeles, Calif. Pipe-making machine. 1,629,922; May 24.
Martin, Jesse C., jr., San Francisco, Calif. Brick die. 1,630,066; May 24.
Martin, William S., Rochester, N. Y. Hot-air furnace. 1,630,024; May 24.
Martindale, Charles A., assignor to The Reliable Machine Company, Anderson, Ind. Electric door opener. 1,630,127; May 24.
Marx, Louis, Brooklyn, N. Y. Roundabout toy. 1,630,091; May 24.
Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Riehm, Wilhelm, assignor.)
Mason, Frank B., New Providence, assignor of one-fourth to F. A. Urner, Scotch Plains, one-fourth to E. A. Ford, Westfield, N. J., and one-fourth to A. H. Serrrell, New York, N. Y. Oil-testing apparatus for motor vehicles. 1,630,067; May 24.
Matthews, Horatio, Ealing, London, England. Picture. 1,629,879; May 24.
Matthews, William H., Newburgh, N. Y. Bed-spring fabric. 1,630,196; May 24.
Maurer, Oscar V., East Cleveland, Ohio. Incandescent lamp. 1,630,128; May 24.
Maurer, Otto J. (See Hohl, J., and Maurer.)
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,629,832; May 24.
McCarroll, James F., Baton Rouge, La. Rail-car transfer. 1,629,805; May 24.
McCarthy, John C. (See Humphreys, C. F., and McCarthy.)
McCaskey Register Company, The. (See Dunning, W. E., and Bachofen, assignors.)
McCaskill, Oscar E., Fort Worth, Tex. Pumping mechanism for windmills. 1,630,092; May 24.
McClintock, George C., San Diego, Calif. Sectional-map apparatus. 1,629,582; May 24.
McConkey, Montgomery W., Ferndale, assignor to General Motors Corporation, Detroit, Mich. Automobile collision bumper. 1,629,806; May 24.
McConkey, Montgomery W., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,630,060; May 24.
McDermott, Thomas S., assignor to Clark-Cutler-McDermott Co., Franklin, Mass. Felt fabric. 1,629,923; May 24.
McDill, Rex De Ore, Winter Haven, Fla. Preserving fruit. 1,630,129; May 24.
McDonald, John D., Winnipeg, Manitoba, Canada. Grate bar. 1,629,629; May 24.
McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company. Naugatuck, Conn. Making molded rubber articles from latex. 1,629,924; May 24.
McIlhany, William H. (See Mowles, Cecil A., assignor.)
McKenzie, Donald A., Swarthmore, Pa., assignor to The Viscose Company, Marcus Hook, Del. Method for use in the manufacture of artificial silks. 1,630,197; May 24.
McKinnie, Beverly R., et al. (See Snodgrass, Joseph C., assignor.)
McLauthlin, George T., Company. (See Dodd, John W., assignor.)
McMahon, Nathan A., Durand, Wis. Strainer. 1,630,198; May 24.
McNamara, James G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,630,023; May 24.
McPartlin, Stephen E., Chicago, Ill. Latch mechanism. 1,630,093; May 24.
Meagle, Elmer H., et al. (See Joseph, Sheldon, assignor.)
Megnin, George W., Allendale, N. J. Accelerator cushion. 1,630,199; May 24.
Melcher, Lee W., West Depere, Wis. Controlling mechanism for variable-speed transmissions. 1,629,804; May 24.
Menge, Sidney L., New Orleans, La. Rotary pump. 1,630,130; May 24.
Menne, William, Union City, N. J. Preserver jar. 1,629,833; May 24.
Mergenthaler Linotype Company. (See McNamara, James G., assignor.)
Mergenthaler Linotype Company. (See Remas, Isidore T., assignor.)
Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
Merrill, Ayres P., Natchez, Miss. Gate. 1,630,200; May 24.
Messinger, George M., Morganza, Pa., assignor of one-half to H. A. Roat, Manchester, N. Y. Minnow box. 1,630,131; May 24.
Messner, John, Calumet, Mich. Traction shoe. 1,629,519; May 24.
Metcalfe, Virgil E., Delicias, Oriente, Cuba. Centrifugal separator. 1,630,201; May 24.
Meyer, John F. (See Smith, Percy C., assignor.)
Mezger, Robert, assignor to the Firm: Paul Lechler, Stuttgart, Germany. Coating gasometers. 1,630,202; May 24.
Miami Radio Corporation Company, The. (See Petit, William H., assignor.)
Michaud, Elzear, Indianapolis, Ind., assignor to E. L. Dayton, Detroit, Mich. Burner apparatus. 1,629,722; May 24.
Middleton, Alfred, Lavender Bay, near Sydney, New South Wales, Australia. Coin-actuated liquid-dispensing machine. 1,630,203; May 24.

Millard, James, Steubenville, Ohio. Gate. 1,630,204; May 24.
Miller, Adolph, Kirkwood, Mo. Chair. 1,629,630; May 24.
Miller, John A., Homewood, Ill. Pleasure-railway structure. 1,629,520; May 24.
Miller, Martin J., Alhambra, Calif. Baby chair for automobiles. 1,629,834; May 24.
Miller, Theodore A. (See Fleiter, A. J., and Miller.)
Mirzan, Richard A., Syracuse, N. Y. Anchoring bolts. 1,629,880; May 24.
Mitchell, G. F., & Son. (See Mitchell, Harry W., assignor.)
Mitchell, Harry W., assignor to G. F. Mitchell & Son, Cleveland, Ohio. Washing machine. 1,629,958; May 24.
Moler, Jesse R., Oakland, Calif. Water bag. 1,629,723; May 24.
Molina, Walter E., London, England. Cigarette-making machine. 1,630,132; May 24.
Moller, Edward M. (See Benedict, H. A., and Moller.)
Montan, Adolph, Montclair, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Cap for fountain pens and clip therefor. 1,629,835; May 24.
Moon, John W., Lansdowne, Pa. Manufacturing metal tubing. 1,629,724; May 24.
Moore, Benton, assignor of one-half to J. F. Rogers, Fresno, Calif. Door and window screen catch and fastener. 1,629,725; May 24.
Moore, Fred C., Spokane, Wash. Plate-bolting-up machine. 1,629,925; May 24.
Moore Press, Inc., The. (See Faulkner, David C., assignor.)
Moore, Roy S., Chicago, Ill., assignor, by mesne assignments, to Manitowoc Ship Building Corporation, Manitowoc, Wis. Automotive crane. 1,629,521; May 24.
Morris, I. P., Corporation. (See Larner, Chester W., assignor.)
Morrow, Cornelius G., and S. H. Oakes, Thomasville, N. C. Combined wardrobe and dresser. Des. 72,718; May 24.
Morse, Edgar, Rock Island, Ill. Lock nut. 1,629,726; May 24.
Mosler Lock Company, The. (See Benham, Edgar M., assignor.)
Mountford, William S., Dumont, N. J., assignor to W. Dubilier, New York, N. Y. Mousetrap. 1,630,241; May 24.
Mowles, Cecil A., Drill, assignor of one-half to W. H. McIlhany, Bluefield, W. Va. Portable mounting for electric drills. 1,630,205; May 24.
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Inclined nozzle drinking fountain. 1,630,206; May 24.
Muir, Wellington W., Lockport, N. Y. Cooling system. 1,630,068; May 24.
Muir, Wellington W., Lockport, N. Y. Cooling system. 1,630,069; May 24.
Muir, Wellington W., Lockport, N. Y. Process of and apparatus for cooling internal-combustion engines. 1,630,070; May 24.
Munroe, Treadway B., assignor to Dahlberg & Company, Inc., Chicago, Ill. Slitting sheet material. 1,629,522; May 24.
Munters, Carl G. (See von Platen, B. C., and Munters.)
Murphy, Daniel R., Newark, Ohio. Piston valve. 1,630,133; May 24.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, Thomas J., Astoria, N. Y. Transformer. 1,629,836; May 24.
Murray Company, The. (See Leech, I., and Bradley, assignors.)
Murray, Howard J., Brooklyn, N. Y. Electric-wave producing and changing device. 1,629,727; May 24.
Nathan, Edwin B., Yonkers, N. Y. Receptacle. 1,629,837; May 24.
National Brake & Electric Co. (See Aikman, Burton S., assignor.)
National Bundle Tyer Company. (See Saxton, Albert H., assignor.)
National Carbon Company. (See Kerlin, J. F., and Rosenhoffer, assignors.)
National Cash Register Company, The. (See Robertson, William H., assignor.)
National Pump & Compressor Company, The. (See Wilson, Edward, assignor.)
National Refining Company, The. (See Setsler, Horace B., assignor.)
National Standard Company. (See Staley, Joseph H., assignor.)
Naugatuck Chemical Company. (See McGavack, John, assignor.)
Nelson, Jons, Los Angeles, Calif. Automobile license plate and theft indicator. 1,629,959; May 24.
Nelson, Melven E., Fremont, Nebr. Fishhook extractor. 1,629,583; May 24.
New Process Burner Corporation. (See Lundquist, Frank A., assignor.)
Newth, Basil and O., Sydney, New South Wales, Australia. Mechanism-controlling alarm in clocks. 1,630,207; May 24.
Newth, Octavia. (See Newth, Basil and O.)
New York Air Brake Company, The. (See Campbell, Charles A., and Vroman, assignors.)
New York Brick Handling Corporation. (See Fuller, Claud E., assignor.)
Nicholas, Edward S., Roscoe, Ill. Concrete-building block. 1,629,960; May 24.
Nichols, Gordon. (See Kesel, F., and Nichols.)
Nicholson, Flora M., Washington, D. C. Receptacle for toilet articles or similar article. Des. 72,719; May 24.
Nicholson, Howard M., Pittsburgh, Pa. Check valve. 1,629,961; May 24.
Nied, Fred A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 72,720; May 24.
Nittel, Frederick W., Attleboro Falls, assignor to M S Company, Attleboro, Mass. Expansible bracelet. 1,630,236; May 24.
Nix, George E., Electra, Tex. Tongs and the like. 1,629,631; May 24.
Nobles, Edward, Pocatello, Idaho. Locomotive-cellar-box puller. 1,629,632; May 24.
Norbeck, Emil T., Minneapolis, Minn. Window attachment for windshields. 1,630,208; May 24.
Nordwick, Henry A., Stockton, assignor to Duplex Motor Company, San Francisco, Calif. Internal-combustion engine. Re16,630; May 24.
Norrman, Albin A. (See Shafer, A. E. M., and Norrman.)
Northwest Paper Company. (See Stevens, Jerry W., assignor.)
Norton, Alfred A., trustee. (See Lindgren, Waldemar L., assignor.)
Nugent, John A., Irvington, N. J. Rheostat. 1,629,523; May 24.
Nullmeyer, Frank H., Struthers, Ohio. Method and apparatus for drawing wire. 1,629,524; May 24.
Oakes, Sherman H. (See Morrow, C. G., and Oakes.)
O'Boyle, Thomas, and R. G. Hamaker, Houston, Tex., said O'Boyle assignor to said Hamaker. Polish rod clamp. 1,629,584; May 24.
Offenhauser, Christopher, Philadelphia, Pa. Cooking and drying apparatus. 1,630,071; May 24.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Foundry and Manufacturing Co., The. (See Sharp, William L., assignor.)
Olgard, Harry S., Kohler, Wis. Respirator mask. 1,630,209; May 24.
Oliver, Ernon V., Portland, Oreg. Water still. 1,629,807; May 24.
Olsen, Simon D., London, England. Injecting liquid fuel into internal-combustion engines. 1,629,633; May 24.
Olson, Nels L., Highland Park, Mich. Rear-axle-transmission mechanism. 1,630,210; May 24.
Orange Lighting Fixture Manufacturing Co. (See Seidell, Alfred P., assignor.)
Orndorff, James A., East Palestine, Ohio. Dipper-door latching and unlatching means. 1,629,634; May 24.
Orton, Ole J. (See Hustad, Matias M., assignor.)
Osgood, Henry B., Oshkosh, Wis. Trunk lock. 1,629,728; May 24.
Ostand, Joseph, Cincinnati, Ohio. Aircraft safety device. 1,630,211; May 24.
Ostdiek, Henry S., Lawrence, Nebr. Tractor wheel. 1,630,025; May 24.
Oulton, Daniel L., Everett, Mass., assignor to Oulton Manufacturing Corporation. One-way clutch. 1,629,585; May 24.
Oulton Manufacturing Corporation. (See Oulton, Daniel L., assignor.)
Overton, Bert. (See Overton, William H., assignor.)
Overton, William H., assignor of one-tenth to B. Overton, Swanwick, Ill. Electric gas switch. 1,630,212; May 24.
Palka, Andrew, Detroit, Mich. Radiator shell. Des. 72,721; May 24.
Palka, Andrew, Detroit, Mich. Radiator shell. Des. 72,722; May 24.
Papenfuss, Albert, Rochester, N. Y. Ash sifter. 1,629,729; May 24.
Parker Pen Company, The. (See Blackman, Horace L., assignor.)
Parson Company, The. (See Vaughn, George A., assignor.)
Parsons, George H., New York, N. Y. Toy. 1,629,635; May 24.
Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Conveyer, wrapping, and labeling machine. 1,629,525; May 24.
Payne, Arthur A., Humboldt, Kans. Amusement device. 1,629,808; May 24.
Pees, Walter J., Meadville, Pa. Furnace. 1,629,586; May 24.
Peller, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Mold-charge-guiding device. 1,629,926; May 24.
Pelton Water Wheel Co., The. (See Hutchinson, Ely C., assignor.)
Penberthy, Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Lubrication of percussive tools. 1,629,730; May 24.
Pendleton, Pyam L., assignor to Martin-Copeland Company, Providence, a trusteeship consisting of E. W. Martin, Barrington, L. C. Martin, Providence, R. I., and G. W. Bleecker, Chicago, Ill. Radio dial escutcheon plate. Des. 72,723; May 24.

Peniston, George E. (See Goodloe, E. L., and Peniston.)
Penson, William R., Sulphur Springs, assignor of one-half to J. M. Foster, Kemp, Tex. Drill. 1,629,881; May 24.
Perdue, Melvin, Shelby, Ohio. Valve for toy balloons. 1,629,838; May 24.
Perfection. (See Chadwick, L. S., Resek, and Dahlstrom, assignors.)
Perry, Elsie W., special administratrix. (See Perry, James S.)
Perry, James S., deceased, Covina, Calif.; E. W. Perry, special administratrix. Tree treatment. 1,629,962; May 24.
Pescara & Raymond Corporation, The. (See Pescara, Raul P., assignor.)
Pescara, Raul P., Paris, France, assignor to The Pescara & Raymond Corporation, Dover, Del. Motor-compressor unit. 1,629,927; May 24.
Pescara, Raul P., Paris, France, assignor to Pescara & Raymond Corporation, Dover, Del. Motor-compressor apparatus. 1,629,928; May 24.
Peterson, Elmer C., Cleveland, Ohio. Vehicle lock. 1,629,731; May 24.
Petit, William H., assignor to The Miami Radio Corporation Company, Dayton, Ohio. Condenser. 1,629,882; May 24.
Petry, Nicholas A., Philadelphia, Pa. Operating device for valves and the like. 1,630,213; May 24.
Pfretzschner, Jakob, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electric overload protective system. 1,630,214; May 24.
Phelps, Wilbur M., Staunton, Va. Liquid-level indicator. 1,629,732; May 24.
Phillipps, William F., Yantic, Conn. Chimney attachment. 1,629,809; May 24.
Phillips, John E., assignor to Albert Pick & Company, Chicago, Ill. Plate or similar article. Des. 72,724; May 24.
Pick, Albert, & Company. (See Phillips, John E., assignor.)
Pierce, Homer R., assignor to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Gas gravity balance. 1,629,526; May 24.
Pierson, Floyd E., Oakland, Iowa. Stock-watering tank. 1,629,883; May 24.
Plews & Hutchinson Corporation. (See Plews, William J., assignor.)
Plews, William J., Cleveland, Ohio, assignor to Plews & Hutchinson Corporation, Jersey City, N. J. Manufacturing storage battery plates. 1,629,636; May 24.
Polikier, Heinrich, Leipzig, and H. Hähle, Dessau-Ziebigk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Triarylmethane dyes from tetraalkyl-diamino-benzophenone and arylated-ethylene-diamines. 1,629,884; May 24.
Polikier, Heinrich, Leipzig, and H. Hähle, Dessau-Ziebigk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Triaryl-methane dyestuffs from tetraalkyl-diamino-benzophenones and di-l-naphthyl-ethylene-diamine. 1,629,885; May 24.
Pondelick, Leo, Chicago, Ill. Differential gearing. 1,629,527; May 24.
Poole, Henry J., London, England. Sealing receptacles. 1,630,215; May 24.
Poole, Henry J., London, England. Evacuation and sealing of tins and the like metallic containers. 1,630,216; May 24.
Poole, William C., Coal Grove, Ohio. Windshield wiper. 1,629,734; May 24.
Potter, Robert S., Greenwich, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door closer. 1,629,963; May 24.
Pough, Francis H., St. Louis, Mo., assignor, by mesne assignments, to Southern Acid & Sulphur Company, Incorporated. Prepared sulphur. 1,629,528; May 24.
Power Specialty Company. (See Keenan, Walter F., jr., assignor.)
Price, Charles D., Baraboo, Wis. Fuel mixer. 1,629,964; May 24.
Price, Owen A., Kilmarnock, Scotland. Automatic self-closing valve. 1,629,637; May 24.
Proctor & Schwartz, Incorporated. (See Allen, Thomas W., assignor.)
Ptacek, Joseph F., Milwaukee, Wis. Rug-weaving machine. 1,629,886; May 24.
Puccioni, Corrado, Rome, Italy. Flow integrator and recorder. 1,630,134; May 24.
Pulverman, Philip E., Charleston, W. Va., assignor to The Visometer Corporation, New York, N. Y. Plunger for pressure gauges or similar articles. 1,629,887; May 24.
Quaale, Gilbert, Weldon, Saskatchewan, Canada. Washboiler rack. 1,629,888; May 24.
R. K. M. Mfg. Company. (See Rosenman, Leo, assignor.)
Radio Corporation of America. (See Ditcham, William T., assignor.)
Radio Lab. & Mfg. Co. et al (See Scott, Ray W., assignor.)
Rahe, William, Cincinnati, Ohio. Automobile bumper. 1,629,587; May 24.
Raiziss, George W., Philadelphia, Pa., assignor to The Abbott Laboratories, Chicago, Ill. Manufacture of mercuri-mononitro-orthocresol and its salts. 1,630,072; May 24.
Ralston, Florence V., New York, N. Y. Cleaner. 1,629,965; May 24.
Ramsey, James C., Roswell, N. Mex. Friction fire starter. 1,629,638; May 24.
Rasor, Floyd O., Westerville, Ohio. Spotlight. 1,630,217; May 24.
Rau, Henry V. (See Stimpson, E. B., and Rau.)
Read, Howard W., assignor to Baker-Vawter Company, Benton Harbor, Mich. Bookkeeping form. 1,630,073; May 24.
Reedy, John H., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Journal box. 1,630,026; May 24.
Reedy, John H., and T. A. Cape, assignors to The Champion Coated Paper Company, Hamilton, Ohio. Suction box. 1,630,027; May 24.
Reeves, Layfayette A. (See Kieselburg, John W., assignor.)
Reimer, Jorgen A., and H. C. Hansen, Elk Horn, Iowa. Draft evener for harrows. 1,629,529; May 24.
Reineke, Charles, assignor to The Reineke Motor Corporation, New York, N. Y. Multicylinder internal-combustion engine. 1,629,530; May 24.
Reineke Motor Corporation, The. (See Reineke, Charles, assignor.)
Reisert, Mathias, Brooklyn, N. Y. Ornament. 1,629,531; May 24.
Reliable Machine Company, The. (See Martindale, Charles A., assignor.)
Reliance Company, The. (See Wilms, Gustav O., assignor.)
Remas, Isidore T., Woodhaven, N. Y., assignor to Mergenthaler Linotype Company. Slug-casting machine. 1,630,094; May 24.
Renaux, Eugène P., Paris, France, assignor to Bendix Brake Company, Chicago, Ill. Servo-expanded brake. 1,629,532; May 24.
Renfro, Eugene H., Offerle, Kans. Mail box. 1,629,735; May 24.
Resek, Marc. (See Chadwick, L. S., Resek, and Dahlstrom.)
Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,629,966; May 24.
Rex, Ralph K., Cleveland Ohio. Finger-nail trimmer. 1,629,967; May 24.
Reynolds, De Elbert A., Yonkers, N. Y. Ear phone. 1,630,028; May 24.
Rhodes, Charles J., Wakefield, England. Press for drawing hollow ware of sheet metal. 1,629,839; May 24.
Richards, Adelbert H., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Metallurgical furnace-feeding mechanism. 1,629,968; May 24.
Richardson, Rodney G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,629,533; May 24.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 1,629,534; May 24.
Ridgely Trimmer Company The. (See Davidson, William W., assignor.)
Riehm, Wilhelm, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Two-stroke internal-combustion engine. 1,629,535; May 24.
Rilkonen, John, Chicago, Ill. Self-service machine. 1,629,536; May 24.
Ringler, William A., Philadelphia, Pa. Savings system. 1,630,095; May 24.
Rippingille, Edward V., Detroit, Mich., assignor to The Groian Manufacturing Company, Dayton, Ohio. Liquid-level indicator. 1,630,029; May 24.
Roat, Harry A. (See Messinger, George M., assignor.)
Roberts, Charles A., Butte, Mont. Insole. 1,630,135; May 24.
Robertson, H. H., Company. (See Young, James H., assignor.)
Robertson, William, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,629,736; May 24.
Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,629,537; May 24.
Robinson, James K., jr., Altoona, Pa. Glass battery box. 1,629,969; May 24.
Roby, Frank M., assignor to H. B. Thurston, Cleveland, Ohio. Low-water alarm. 1,629,929; May 24.
Rockefeller, John W., jr., assignor to John Chatillon & Sons, New York, N. Y. Scale. 1,630,096; May 24.
Rode, Fredrich J., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Pressure-pad-control device. 1,629,538; May 24.
Rodgers, Braxton F., Dallas, Tex. Gas cook stove. 1,630,030; May 24.
Rogers, Francis C. (See Daniel, Paul U., assignor.)
Rogers, Francis M., and Frank V. Grimm, Whiting, Ind., and Gerald L. Wendt, Chicago, Ill., assignors to Standard Oil Company, Whiting, Ind. Treating sludge acid. 1,630,074; May 24.
Rogers, J. F. (See Moore, Benton, assignor.)
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing mechanism. 1,629,889; May 24.
Rogers, Samuel L., Washington, D. C. Umbilical cord clamp. 1,630,031; May 24.
Rohne, Even J., Minneapolis, Minn. Electric frying pan. 1,629,737; May 24.

Rohne, Even J., Minneapolis, Minn. Electrically heated steam brush. 1,629,738; May 24.
Rollins, John O., West Los Angeles, Calif. Jar closure. 1,629,639; May 24.
Rollinson, Earl H., Lyons Farms, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Lamp-bulb socket. 1,629,970; May 24.
Rolnick, Herman, New York, N. Y. Combination muffler holder for coats. 1,629,840; May 24.
Romberg, Heinrich, Dusseldorf, Germany. Gun carriage. 1,629,739; May 24.
Ronk, George T., Fairfield, Iowa. Frame construction for excavator trucks. 1,629,890; May 24.
Rood, Charles F., Sutherlin, Oreg. Doorknob. 1,630,032; May 24.
Rook, Harry B., Newark, N. J. Sound-reproducing instrument. 1,629,971; May 24.
Root Manufacturing Company, The. (See Root, Ralph R., assignor.)
Root, Ralph R., Lakewood, assignor to The Root Manufacturing Company, Cleveland, Ohio. Protected bearing for powder-dispensing devices. 1,629,539; May 24.
Rosan, Clifford D., deceased, New Haven, Conn., E. H. Rosan, administratrix. Cigarette holder. 1,630,243; May 24.
Rosan, Eva H., administratrix. (See Rosan, Clifford D.)
Rosenhoffer, Henry J. (See Kerlin, J. F., and Rosenhoffer.)
Rosenman, Leo, Newark, N. J., assignor to R. K. M. Mfg. Company. Fastener strip or fly for garments. 1,629,540; May 24.
Rosenthal, August, assignor to Rosenthal Mfg. Co., West Allis, Wis. Shaker trough for corn huskers. 1,629,930; May 24.
Rosenthal, Max H., Los Angeles, Calif. Drawer pull. Des. 72,725; May 24.
Rosenthal Mfg. Co. (See Rosenthal, August, assignor.)
Ross, Ernest, assignor to U. S. Tool Co., Inc., East Orange, N. J. Rotor-plate spindle mounting for variable condensers. 1,630,075; May 24.
Ross, Phillip A., Bradford, Pa. Vegetable washer. 1,630,136; May 24.
Ross, Rufus R., assignor to Detroit Specialty Products Corporation, Detroit, Mich. Carburetor attachment. 1,629,242; May 24.
Rotthouse, Charles A., Brandywine Hundred, assignor of one-half to E. G. Cook, Wilmington, Del. Vehicle top. 1,629,588; May 24.
Royer, William R., Wilkes-Barre, Pa. Auxiliary valve for pneumatic tire valve stems. 1,629,972; May 24.
Rudland, Johannes, Nordre Fron, Gudbrandsdalen, assignor to Interessentskapet Johs. Rudlands Selvbinder, Lillehammer, Norway. Mowing and reaping machine. 1,630,033; May 24.
Rush, Albert, and R. H. Greegor, assignors to The Kinnear Manufacturing Company, Columbus, Ohio. Door and operating mechanism therefor. 1,629,973; May 24.
Russo, Gioacchino, Catania, Italy. Optical apparatus, as photographic camera, for reproducing the objects with their natural colors. 1,629,974; May 24.
Rutherford, Marvin E., Los Angeles, Calif. Storage-battery terminal. 1,630,218; May 24.
Ruwwe, Frank B., Eagle Lake, Tex. Gravity-operated figure toy. 1,630,137; May 24.
Ryberg, Fritz R., Cleveland, Ohio. Cleaning mechanism. 1,629,740; May 24.
Rydberg, John T., Brooklyn, N. Y., assignor to Supreme Player Action Corporation. Automatic playing instrument. 1,630,084; May 24.
Rydberg, John T., Harrison, N. J., assignor to Supreme Player Action Corporation. Transmission mechanism for player actions. 1,630,035; May 24.
Ryder, Harry M. (See Grondahl, L. O., and Ryder.)
Sachse, Herman P., assignor to Central Scientific Company, Chicago, Ill. Plate for vacuum pumps. 1,629,931; May 24.
Saginaw Manufacturing Co. (See Gilbert, Henry J., assignor.)
Sander, Wilhelm. (See Gnertler, W., and Sander.)
Sanford, Hugh W., and H. W. Jones, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Hub and journal box. 1,630,219; May 24.
Sanford Investment Company. (See Sanford, H. W., and Jones, assignors.)
Sattley Company. (See Howard, William B., assignor.)
Saxton, Albert H., assignor to National Bundle Tyer Company, Blissfield, Mich. Automatic bundle tier. 1,629,841; May 24.
Scammell China Company. (See Schnepf, Emil L., assignor.)
Schachtner, Heinrich, Mannheim, Baden, assignor to Stotz G. m. b. H. Abt. der Brown, Boveri & Cie., A.-G., Mannheim, Germany. Automatic electric circuit breaker. 1,629,640; May 24.
Scheetz, Adam E., Norwood, Pa. Liner. 1,630,138; May 24.
Schelling, Edmund. (See Arter, J., and Schelling.)
Schick, Murray, San Francisco, Calif. Hair guard and template. 1,629,741; May 24.
Schlafly, Julius H., assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Lock. 1,629,641; May 24.
Schmidt, Benjamin F., assignor to Gellette Schmidt Corporation, Los Angeles, Calif. Hand-operated gear-shift mechanism. 1,630,076; May 24.
Schnake, August C., Centralia, Ill. Weather strip. 1,629,842; May 24.
Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J. Plate. Des. 72,726; May 24.
Scholer, Gustav, New York, N. Y. Fire escape. 1,629,541; May 24.
Schrader's, A., Son, Inc. (See Cole, Philip G., assignor.)
Schuermann, Anton C. (See Mueller, P., and Schuermann.)
Schwinn, Frank W., Chicago, Ill. Refrigerating apparatus. 1,630,077; May 24.
Scott, Catherine E., Milwaukee, Wis. Paper-crimping machine. 1,629,743; May 24.
Scott, Leon H., et al. (See Scott, Ray W., assignor.)
Scott, Lewis L., assignor to Electrol Inc., of Missouri, St. Louis, Mo. Oil-burning system. 1,629,542; May 24.
Scott Paper Company. (See Parsons, Philip D., assignor.)
Scott, Ray W., Los Angeles, assignor of one-half to Radio Lab. & Mfg. Co., and one-half to L. H. Scott, Pasadena, Calif. Machine for milling lumber and the like. 1,629,742; May 24.
Scott, Walter F. (See Crumlish, W. F., and Scott.)
Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
Scranton, Henry O., Jeanerette, La. Sugar-cane harvester. 1,630,097; May 24.
Seaholm, Ernest W., Detroit, Mich. Automobile-radiator casing. Des. 72,746; May 24.
Secretary of War of the United States, trustee. (See Weeks, Paul, assignor.)
Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate. Des. 72,727; May 24.
Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate. Des. 72,728; May 24.
Sekowsky, Hermann A., Milwaukee, Wis. Hydrocarbon burner. 1,630,139; May 24.
Sellers, William, & Company. (See Kneass, Strickland L., assignor.)
Serrell, Arthur H., et al. (See Mason, Frank B., assignor.)
Setzler, Horace B., Coffeyville, Kans., assignor to The National Refining Company, Cleveland, Ohio. Producing gasoline. 1,629,810; May 24.
Shadbolt, Anna A., executrix. (See Shadbolt, W. O., and Marklein.)
Shadbolt, William O., deceased, by A. A. Shadbolt, executrix, and O. Marklein, Brooklyn, N. Y.; said Marklein assignor of his interest to said A. A. Shadbolt as executrix. Vehicle. 1,629,543; May 24.
Shafer, Alfred E. M., Lehighton, and A. A. Norrman, Tamaqua, Pa. Traveling grate stoker. 1,630,220; May 24.
Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Loading skip for concrete mixers. 1,630,221; May 24.
Sharp, George G., Wyoming, N. J. Passenger-ship construction. 1,629,580; May 24.
Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 72,729; May 24.
Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 72,730; May 24.
Shaw, Harold N., Milwaukee, Wis. Electric heater. 1,629,744; May 24.
Shaw, John E., Murpheys, Calif. Drill-supporting structure. 1,629,745; May 24.
Shaw, Louis E., East Orange, N. J. Radiodial. 1,629,891; May 24.
Shaw, William F., Detroit, Mich. Apparatus for installing pavement separator joints. 1,629,544; May 24.
Sheppard, William H. (See Sherman, J. A., and Sheppard.)
Sherman, John A., and W. H. Sheppard, Worcester, Mass. Ball cock. 1,629,545; May 24.
Shurmer, Thomas, Stockport, England. Feed roller for sawing, planing, and like machines. 1,629,642; May 24.
Shuster, Elmore F., New Haven, Conn. Wire-cutting machine. 1,629,643; May 24.
Sibbald, Henrietta G., Duluth, Minn. Baking receptacle. 1,630,140; May 24.
Siegel, Maude, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 72,731; May 24.
Sigler, Ward W., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire. Des. 72,732; May 24.
Silver, Jesse W., Tacoma, Wash. Aircraft. 1,629,843; May 24.
Simmons Company. (See Stuart, Charles A., assignor.)
Simon, Franklin, & Co. (See Siegel, Maude, assignor.)
Simpson, Earl L., Baltimore, Md. Mouthpiece adjuster. 1,629,932; May 24.
Simpson, Robert D., Columbus, Ohio. Closure device. 1,630,222; May 24.
Sincerbeaux, Chauncey M. (See Fuchs, Hugo, assignor.)
Sinks, William R. (See Budd, T. D., and Sinks.)
Skaer, James A., Wichita, Kans. Hose supporter. 1,629,811; May 24.
Skelly, Allan D., South Lawrence, and D. M. Skelly, Methuen, Mass. Fishing lure. Re16,636; May 24.
Skelly, David M. (See Skelly, Allan D. and D. M.)

Skinner Automotive Device Co. Inc. (See Garland, Ralph C., assignor.)
Smith, A. O., Corporation. (See Smith, Lloyd R., assignor.)
Smith, A. O., Corporation. (See Stresau, Richard, assignor.)
Smith, A. O., Corporation. (See Wetmore, Charles P., assignor.)
Smith, A. O., Corporation. (See Yeomans, Lucien I., assignor.)
Smith, Alva T., Winsted, assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Curling iron. 1,630,078; May 24.
Smith, I. A. (See Franklin, Ned G., assignor.)
Smith, Ida L., Portland, Me. Dry-mop dust collecter. 1,629,590; May 24.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,629,546; May 24.
Smith, John, jr., assignor to J. J. Sommer & Co., North Attleboro, Mass. Expansible bracelet. 1,629,976; May 24.
Smith, John E., East Orange, assignor to The Lite-Rays Cooker Corporation, Plainfield, N. J. Electric cooker. 1,630,237; May 24.
Smith, John H., assignor to The Wesson Sales Company, Detroit, Mich. Tool holder. 1,629,547; May 24.
Smith, John W., Philadelphia, Pa. Device for vaporizing unatomized fuel. 1,629,975; May 24.
Smith, Lloyd R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Flexible automobile frame and tubular cross bar therefor. 1,630,036; May 24.
Smith, Percy C., assignor to J. F. Meyer, Chicago, Ill. Amusement device. 1,630,098; May 24.
Snodgrass, Joseph C., assignor of three-eighths to A. R. Tallman and two-eighths to B. R. McKinnie, Nashville, Tenn. Automatic braking mechanism for motor cars. Re16,632; May 24.
Snyder, Eugene, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Block-feeding mechanism for match machines. 1,629,977; May 24.
Société d'Etudes Chimiques pour l'Industrie. (See Breslauer, J., and Goudet, assignors.)
Société of Chemical Industry in Basle. (See de Montmollin, G., and Bonhôte, assignors.)
Society of Chemical Industry of Basle. (See Tobler, Richard, assignor.)
Soemer, John O., Newark, N. J. Exit latch. 1,630,141; May 24.
Somerstein, Fredrick B., Jacksonville, Fla. Base for time-controlled switches. 1,629,591; May 24.
Somerville, Mathew E. (See Lippis, J., and Somerville.)
Sommer, J. J., & Co. (See Smith, John, jr., assignor.)
Soto, Frank, Sunnyvale, Calif. Water heater. 1,629,844; May 24.
South Metropolitan Gas Company. (See Chandler, Dean, assignor.)
Southern Acid & Sulphur Company. (See Paugh, Francis H., assignor.)
Spahn, Jacob, Hillrose, Colo. Cultivator tool clamp. 1,629,548; May 24.
Spalding, James E., and R. L. Archer, Collinsville, Ill. 1,630,079; May 24.
Spaulding, William R., Independence, Kans. Detachable trunk for automobiles. 1,630,142; May 24.
Speakman Company. (See Fraser, James, assignor.)
Spector, William. (See Herring, Jacob F., assignor.)
Spelrs, Andrew J., Jenks, Okla. Reel jack. 1,629,644; May 24.
Sperry, Lawrence B., deceased, Massapequa, The Bank of America, New York, and W. A. Sperry, Hempstead, N. Y., executors, assignors to W. A. Sperry. Flying boat. 1,629,978; May 24.
Sperry, Winifred A., et al, executors. (See Sperry, Lawrence B.)
Sprung, Edwin G., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,629,746; May 24.
Staley, Joseph H., Columbus, Ind., assignor to National Standard Company, Niles, Mich. Wrecking crane. 1,629,592; May 24.
Standard Cap & Seal Corporation. (See Tevander, Olof N., assignor.)
Standard Oil Company. (See Rogers, F. M., Grimm, and Wendt, assignors.)
Standard Oil Company. (See Wilkin, Robert E., assignor.)
Standard Oil Company. (See Wilson, Robert E., assignor.)
Standard Oil Company of California. (See Wilson, George O., assignor.)
Stannard, Winfield H. (See Klopsteg, P. E., and Stannard.)
Starrett, Henry F., assignor to Starrett Manufacturing Company, Chicago, Ill. Panel board and panel-board construction. 1,629,645; May 24.
Starrett Manufacturing Company. (See Starrett, Henry F., assignor.)
Stathes, George A. (See Stathes, Nicholas A. and G. A.)
Stathes, Nicholas A. and G. A., New York, N. Y. Automatic closure. 1,629,747; May 24.
Stearns, Jason C., Worcester, Mass. Tail and signal lamp. 1,629,549; May 24.
Stebbins, Albert H., Los Angeles, Calif. Dust-extracting unit. 1,629,593; May 24.
Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,629,594; May 24.
Steedman, James P. (See Britton, George W., assignor.)
Steger, Marvin E., McCleary, Wash. Defect-removing and patch-cutting machine. 1,629,595; May 24.
Steil, Frank P., Cudahy, Wis. Counter. 1,629,933; May 24.
Steinback, Edward P., Bloomington, Minn. Poultry-feeding device. 1,629,979; May 24.
Stern, Emil, Chicago, Ill. Wrapping machine. 1,629,934; May 24.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic percussive tool. 1,629,845; May 24.
Stevens, Harry I. (See Voelkel, George W., assignor.)
Stevens, Jerry W., assignor to Northwest Paper Company, Cloquet, Minn. Apparatus for and method of screening pulp. 1,629,812; May 24.
Stevenson, George M., Baltimore, Md. Process of and machine for making ferrules. 1,629,813; May 24.
Stewart, Henry A., and F. L. Holt, Tullahoma, Tenn. Clutch control for tractors. 1,629,550; May 24.
Stiehm, Louis F., Rollingstone, Minn. Liquid strainer. 1,630,223; May 24.
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
Stimpson, Edwin B., Company. (See Stimpson, E. B., and Rau, assignors.)
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Riveting machine. 1,629,847; May 24.
Stimpson, Edwin B., and H. V. Rau, assignors to Edwin B. Stimpson Company, Brooklyn, N. Y. Riveting-machine pocket. 1,629,846; May 24.
Stobbe, Rudolph H., St. Clairsville, Ohio. Automobile top and curtain construction. 1,629,935; May 24.
Stocker, Ernst, Lucerne, Switzerland. Door closer. 1,629,596; May 24.
Stockford, Alexander B., Los Angeles, Calif. Heavy duty trailer for trucks. 1,629,597; May 24.
Stollberg, Carl, Berlin, Germany. Coupling for railway cars. 1,629,551; May 24.
Stoody Company. (See Stoody, Winston F., assignor.)
Stoody, Winston F., assignor to Stoody Company, Whittier, Calif. Making welding rods and the resulting product. 1,629,748; May 24.
Storms, Roy B., Indianapolis, Ind. Anti-mouth-breathing device. 1,629,892; May 24.
Stotz, G. m. b. H. Abt. der Brown, Boveri & Cie., A.-G. (See Schachtner, Heinrich, assignor.)
Straightline Radio Corporation. (See Herman, Henry F., assignor.)
Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically-welded bubble tower. 1,630,037; May 24.
Strieby, Maurice E., Millburn, N. J., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,629,552; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,733; May. 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,734; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,735; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,736; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,737; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,738; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,739; May 24.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 72,740; May 24.
Stuart, Kenneth E., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic method and apparatus. 1,630,224; May 24.
Stuber & Kuck Co. (See Koll, Louis, assignor.)
Studebaker Corporation, The. (See Sprung, Edwin G., assignor.)
Stull, John S. (See Holmberg, C. G., jr., and Stull.)
Stutsman, Leonard E. (See Binkley, R. S., Stutsman, and Grove.)
Suerlain Perfumery Corporation of New York. (See d'Escayrac, Bernard, assignor.)
Sullivan, Elizabeth J., Minneapolis, Minn. Flour improver. 1,630,143; May 24.
Suppes, Richard A., Johnstown, Pa. Sectional insulator or cut-out switch. 1,629,893; May 24.
Supreme Player Action Corporation. (See Rydberg, John T., assignor.)
Sutton-Abramsen Engineering Company. (See Wise, George A., assignor.)
Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Resilient wheel. 1,630,225; May 24.

Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Manufacturing wire wheels. 1,630,226; May 24.
Swanberg, Julius, Chicago, Ill., assignor, by mesne assignments, to R. Chelton, Chicago, Ill. Pencil. 1,629,766; May 24.
Swartzbaugh Manufacturing Co., The. (See Ziola, Henry A., assignor.)
Sweeney, Morgan L., Los Angeles, Calif., assignor to Union Tank & Pipe Co. Casing head. 1,629,749; May 24.
Swenson, Lester, Deerfield, Wis. Steam-heated iron. 1,629,553; May 24.
Sylwan, Per O. T., Forshaga, Sweden. Condensation exhaust for drying cylinders and such-like. 1,629,598; May 24.
Tallman, Albert R., et al. (See Snodgrass, Joseph C., assignor.)
Taylor, Albert H., Washington, D. C. Apparatus for recording electrical signals. 1,630,227; May 24.
Taylor Instrument Companies. (See Long, Herbert, assignor.)
Tedstone, Bertha E., San Antonio, Tex. Dress shield. 1,630,228; May 24.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Bottle-capping machine. 1,629,599; May 24.
Texas Company, The. (See Bader, Joseph P., assignor.)
Texas Company, The. (See White, George D., assignor.)
Th. Goldschmidt A.-G. (See Guertler, W., and Sander, assignors.)
Thoman, Charles J. (See Hinckley, B. C., Thoman, and Holton.)
Thomas, George B. (See Catlin, H., and Thomas.)
Thomas, Wingate S., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Attaching means for building trim. 1,629,848; May 24.
Thompson, George W., Cheboygan, Mich., assignor to Bifiex Products Company. Controlling means for ignition cut-offs. 1,629,554; May 24.
Thompson, Ole W., Durkee, Oreg. Crank shaft. 1,630,038; May 24.
Thompson, Paul H. (See Bradford, R. H., La Barr, and Thompson.)
Thorpe, Walter W. (See Hochstetter, F. W., and Thorpe.)
Thurston, Herman B. (See Roby, Frank M., assignor.)
Thurston, Herman B., Cleveland Heights, Ohio. Low-water alarm. 1,629,936; May 24.
Thurston, Herman B., Cleveland Heights, Ohio. Low-water alarm. 1,629,937; May 24.
Thurston, Herman B., Cleveland, Ohio. Low-water alarm. 1,629,938; May 24.
Thuss, Charles F., Great Cacapon, W. Va. Automobile speedway device. 1,630,229; May 24.
Tietjen, Diedrich W., assignor to E. R. Wagner Mfg. Company, North Milwaukee, Wis. Roller bearing. 1,629,600; May 24.
Tietz, Walter M., Newark, N. J. Razor hone and strop. 1,629,980; May 24.
Timmons Radio Products Corporation. (See Fisher, Roy S., assignor.)
Titus, Edwin A., Moline, Ill. Coal-chute gate. Re16,638; May 24.
Tobler, Richard, assignor to Society of Chemical Industry of Basle, Basel, Switzerland. Manufacture of 2:3-aminonaphthoic acid. 1,629,894; May 24.
Todd, John S., Hawley, Pa. 1,629,849; May 24.
Tollifson, James R., Camden, Ark. Automatic signal device. 1,630,144; May 24.
Trainor, Edward J., Cohoes, assignor to Asbestos Spinning and Weaving Corporation, New York, N. Y. Apparatus for weaving asbestos cloth. 1,629,850; May 24.
Travis, Simeon E., jr., Hattiesburg, Miss. Truck-body mount. 1,630,145; May 24.
Trbojevich, Nikola, Highland Park, Mich. Cross-word puzzle. 1,629,601; May 24.
Trenner, Simeon, assignor to the Firm of C. A. Hausser & Son, Philadelphia, Pa. Hæmacytometer. 1,630,146; May 24.
Trevney, Joseph. (See Boucek, J., and Halick, assignors.)
Trumbull Electric Manufacturing Company. (See Getchell, Benjamin E., assignor.)
Tuchek, Thomas, Hemingford, Nebr. Potato elevator and weed carrier. 1,629,851; May 24.
Tully, Marks J., Long Island City, N. Y. Double wrench. 1,629,895; May 24.
Turner, Elijah N., U. S. Army, Fort Wint, P. I. Rope tired wheel. 1,629,814; May 24.
Turner, John Y., Ocean Park, Calif. Shock-absorbing seat support. 1,629,939; May 24.
Tyler, Alva W., assignor to Universal Gypsum & Lime Co., Chicago, Ill. Clamping means for wall board or the like. 1,629,555; May 24.
Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling-mill screw-down. 1,629,602; May 24.
Underwood, George R., Peabody, assignor to American Glue Company, Boston, Mass. Obtaining glue and gelatin. 1,629,556; May 24.
Underwood Typewriter Company. (See Latta, Emmit G., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Ungerman, Carl, Detroit, Mich. Sash-regulating device. 1,630,230; May 24.
Union Electric Manufacturing Company. (See Campbell, Harry E., assignor.)
Union Spring & Manufacturing Company. (See Gibson Charles, assignor.)
Union Switch & Signal Company, The. (See Field, Oscar S., assignor.)
Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
Union Switch & Signal Company. (See Grondahl, L. O., and Ryder, assignors.)
Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Tank & Pipe Co. (See Sweeney, Morgan L., assignor.)
United Shoe Machinery Corporation. (See Horgan, Patrick J., assignor.)
United Shoe Machinery Corporation. (See Webster, Charles C., assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Wilhelmus A., assignor.)
U. S. Tool Co. (See Ross, Ernest, assignor.)
Universal Gypsum & Lime Co. (See Tyler, Alva W., assignor.)
Universal Rubber Paviors (Manchester 1923) Limited. (See Gaisman, L., and Brown, assignors.)
Urner, Frank A., et al. (See Mason, Frank B., assignor.)
Valdés, Salustio, Westminster, London, England. Jet-propulsion apparatus for the driving of vehicles, ships, boats, flying machines, and the like. 1,629,767; May 24.
Valerius, Johann, Breslau, Germany. Push-button switch. 1,629,896; May 24.
Valet, Earnest C. H., Mexico City, Mex. Extracting the pure cellulose from the bagasse of sugar cane. 1,630,147; May 24.
Van Berkel, Wilhelmus A., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,630,099; May 24.
Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Longitudinally-extensible boom for excavating machines. 1,630,231; May 24.
Vermont Spool & Bobbin Company. (See Wilson, William H., assignor.)
Vila, Aquilino R., assignor to Compania Cubana Economizadora De Combustible S. A., Habana, Cuba. Heat-exchange apparatus. 1,630,148; May 24.
Villaret, Gustave E., Leonia, N. J., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting-fixture bracket or article of similar nature. Des. 72,741; May 24.
Villaret, Gustave E., Leonia, N. J., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Chandelier or article of similar nature. Des. 72,742; May 24.
Viscose Company, The. (See McKenzie, Donald A., assignor.)
Visometer Corporation, The. (See Pulverman, Philip E., assignor.)
Vodicka, John, assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill. Curtain fastener. 1,629,603; May 24.
Voegeli, Frederick B., Easton, Pa. Length record and automatic machine for making same. 1,630,039; May 24.
Voelkel, George W., Nashville, assignor of one-half to H. I. Stevens, Tamarea, Ill. Hay-stacking device. 1,629,604; May 24.
Vogt, Frank A., E. Fleisch, and H. Goldsmith, assignors to The P. Goldsmith Sons Company, Cincinnati, Ohio. Valve. 1,630,040; May 24.
Vonfelt, Paul, Hermosa Beach, Calif. Automobile signal casing. Des. 72,74..; May 24.
Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,629,783; May 24.
Vose, Edwin W., Beverly, Mass. Snowshoe and manufacturing same. 1,630,041; May 24.
Vroman, Erwin C. (See Campbell, C. A., and Vroman.)
Wagner, E. R., Mfg. Company. (See Tietjen, Diedrich W., assignor.)
Wahrt, William, Brooklyn, N. Y. Massage apparatus. 1,630,149; May 24.
Walker, Harold W., Edgewood, Md. Manufacture of arsenate insecticides. 1,629,557; May 24.
Walker, Warren R., Bloomfield, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Switching arrangement for electric heater circuits. 1,630,232; May 24.
Ward, Joshua. (See Bushman, E. L., Curtis, and Ward.)
Wardell, Henry R., Daytona, Fla., assignor to Johns-Manville Incorporated. Shingle fastening. 1,629,558; May 24.
Watcher, Albert K., Cincinnati, Ohio. Cross-feed mechanism for machine tools. 1,630,042; May 24.
Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,629,559; May 24.
Watson, John C., Attleboro, Mass., assignor of one-half to T. P. Gates, Providence, R. I. Cross-dyeing cellulose fabric. 1,629,769; May 24.
Watson, John C., Attleboro, Mass., assignor of one-half to T. P. Gates, Providence, R. I. Cross-dyeing cellulose fabric. 1,629,770; May 24.
Watson, William B., Jacksonville, Fla. Railway-crossing gate. 1,629,605; May 24.

Weaver, David P., Bridgeton, N. J., assignor to Hartford Empire Company, Hartford, Conn. Mold-charge-delivery funnel. 1,629,940; May 24.
Webster, Charles C., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lining-trimming machine. 1,629,560; May 24.
Webster, Earl P., Niagara Falls, N. Y. Golf tee. 1,629,981; May 24.
Weed Control Company, The. (See Hughes, Hugh E., assignor.)
Weeks, Paul, Detroit, Mich., assignor to the Secretary of War of the United States, trustee. Grouser. 1,629,768; May 24.
Weldy, B. E. (See Forshay, Jesse B., assignor.)
Weller, George L., assignor to Kalman Steel Company, Chicago, Ill. Road strip. 1,629,750; May 24.
Wellstatter, Rosa R., New York, N. Y. Garment. 1,629,561; May 24.
Welsch, August L. and W. H., Valmeyer, Ill. Automobile pump. 1,630,150; May 24.
Welsch, William H. (See Welsch, August L. and W. H.)
Wemlinger, William F., assignor of one-third to L. Bauer and one-third to J. Bellingham, Columbus, Ohio. Link-forming device. 1,629,751; May 24.
Wendt, Gerald L. (See Rogers, F. M., Grimm, and Wendt.)
Wentworth, Ernest G., Sacramento, Calif. Dirigible headlight for motor vehicles. 1,629,752; May 24.
Werber, Hermann T., Brooklyn, N. Y. Turbine. 1,630,151; May 24.
Wermine, Hugo H., assignor to Belden Manufacturing Company, Chicago, Ill. Spool. 1,629,562; May 24.
Wesson Sales Company, The. (See Smith, John H., assignor.)
West, Herbert W., Roanoke, Va. Brake-operated circuit closer. 1,629,897; May 24.
Westberg, Sigurd, Germantown, Pa. Making iron and steel. 1,629,563; May 24.
Western Electric Company. (See Ford, Ben K., assignor.)
Western Electric Company. (See Hawkins, William W., assignor.)
Western Electric Company. (See Holmberg, C. G., jr., and Stull, assignors.)
Western Electric Company. (See Jones, Harold F., assignor.)
Western Union Telegraph Company, The. (See Angel, Herbert, assignor.)
Wetmore, Augusta M., executrix. (See Wetmore, Charles P.)
Wetmore, Charles P., deceased; A. M. Wetmore, executrix, assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal casting. 1,630,043; May 24.
White, George D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Furnace. 1,629,606; May 24.
White, Jessee M., Philadelphia, Pa. Preventing backlash in gears. 1,629,564; May 24.
White, Morris, New York, N. Y. Lady's hand bag. Des. 72,744; May 24.
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Screed chair. 1,629,753; May 24.
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Stake. 1,629,754; May 24.
Whittier, Walter H. (See Leonard, H. C., and Whittier.)
Whittier, Walter H., Grand Rapids, Mich., assignor, by mesne assignments, to Electric Refrigeration. Refrigerator door. 1,630,100; May 24.
Wilkin, Robert E., assignor to Standard Oil Company, Whiting, Ind. Rustproofing oil. 1,630,101; May 24.
Williams, Alvin L. and M. O., assignors to R. B. Cozart, Lufkin, Tex. Cleaning machine. 1,630,152; May 24.
Williams, John T., Los Angeles, Calif. Sash fastener. 1,630,153; May 24.
Williams, Melford O. (See Williams, Alvin L. and M. O.)
Williams, William H. K., Cottonwood, S. Dak. Carburetor. 1,629,898; May 24.
Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Interoffice trunk circuits for telephone systems. Re16,637; May 24.
Wilmot Engineering Company. (See Wilmot, G. W., and Blatch, assignors.)
Wilmot, George W., and F. H. Blatch, assignor to Wilmot Engineering Company, Hazleton, Pa. Drive chain. 1,629,755; May 24.
Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Electrical switch. 1,629,756; May 24.
Wilson, Adam B., Philipsburg, Pa. Controlling mechanism for headlights. 1,630,154; May 24.
Wilson, Edward, assignor to The National Pump & Compression Company, St. Louis, Mo. Thermostatic control device. 1,629,757; May 24.
Wilson, George O., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Tank-gauging device. 1,629,758; May 24.
Wilson, J. G., Corporation, The. (See Duncanson, Walter E., assignor.)
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Furnace for the treatment of spent fuller's earth. 1,630,044; May 24.
Wilson, William H., assignor to Vermont Spool & Bobbin Company, Burlington, Vt. Carpet spool. 1,630,155; May 24.
Wipperman, Paul W., Decatur, Ill. Book rack. 1,629,941; May 24.
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Separator and vaporiser for internal-combustion engines. 1,629,565; May 24.
Wise, George A., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa. Straightening machine. 1,629,759; May 24.
Witham, George S., jr., Hudson Falls, N. Y. Fourdrinier machine and process of paper making. 1,629,607; May 24.
Witter, Willis D. (See Erwin, O. R., and Witter.)
Wolf, Albert, et al. (See Wolf, Howard A., assignor.)
Wolf, Benjamin, et al. (See Wolf, Howard A., assignor.)
Wolf, Charles, assignor to Yates-American Machine Company, Beloit, Wis. Cutter head. 1,629,760; May 24.
Wolf, Clarence, et al. (See Wolf, Howard A., assignor.)
Wolf, Davis L., Olney, Tex. Motor-vehicle power attachment. 1,629,566; May 24.
Wolf, Edwin, et al. (See Wolf, Howard A., assignor.)
Wolf, Howard A., Elkins Park, assignor to E. Wolf, B. Wolf, C. Wolf, L. Wolf, and A. Wolf, Philadelphia, Pa., Copartners trading as Wolf Brothers. Envelope. 1,629,852; May 24.
Wolf, Louis, et al. (See Wolf, Howard A., assignor.)
Wolf-Marjenski, John, New York, N. Y. Musical transformation chart. 1,630,246; May 24.
Wolford, Walter G., Cliffside, N. J. Combined match holder and cigarette container. Des. 72,745; May 24.
Wood Shovel and Tool Company, The. (See Browning, Joseph W., assignor.)
Woodrow, Oliver B., Newton, Iowa. Washing machine. 1,629,761; May 24.
Woodrow, Oliver B., Newton, Iowa. Washing machine. 1,629,762; May 24.
Woodrow, Oliver B., Newton, Iowa. Clutch mechanism for washing machines. 1,629,763; May 24.
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Worley, Marion D., St. Stephen, New Brunswick, Canada. Hair waver. 1,629,567; May 24.
Wread Products Corporation. (See Wread, William E., assignor.)
Wread, William E., Los Angeles, Calif., assignor, by mesne assignments, to Wread Products Corporation. Lock. 1,629,764; May 24.
Wright, Samson D., Cleveland Heights, Ohio. Dump car. 1,629,853; May 24.
Wulfhorst, William E., Cincinnati, Ohio. Automatic signal. 1,629,982; May 24.
Wustholz, Fred, Claytonville, Ill. Concrete-form clamp. 1,629,899; May 24.
Yale & Towne Manufacturing Company, The. (See Potter, Robert S., assignor.)
Yates-American Machine Company. (See Wolf, Charles, assignor.)
Yeomans, Lucien I., Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal casting of metals. 1,630,045; May 24.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Cellular body of asphalt and producing the same. 1,630,103; May 24.
Young, Wilfred S., assignor to Economy Engineering Company, Chicago, Ill. Portable stacking machine. 1,629,771; May 24.
Youngman, Walter, Winnipeg, Manitoba, Canada. Combination scarifier and cleaner. 1,629,900; May 24.
Zeun, Louis H., assignor to John B. Adt Company, Baltimore, Md. Drying apparatus. 1,629,942; May 24.
Zeun, Louis H., assignor to John B. Adt Company, Baltimore, Md. Electrical heating unit for drying apparatus. 1,629,943; May 24.
Zimmerman, Arnold W., Chicago, Ill. Folding table. 1,630,102; May 24.
Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Co., Toledo, Ohio. Switch bracket. 1,629,765; May 24.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive and applying same to continuous grinding systems, Apparatus for grading. H. K. Hitchcock. 1,629,502; May 24.
Accelerator cushion. G. W. Megnin. 1,630,199; May 24.
Accelerator, Foot. H. W. Lane. 1,629,919; May 24.
Acid, Treating sludge. F. M. Rogers, F. V. Grimm, and G. L. Wendt. 1,630,074; May 24.
Acridine derivatives and making same. H. Jensch. 1,629,873; May 24.
Adding machine. W. E. Dunning and J. Bachofer. 1,629,615; May 24.
Advertising device, Illuminated. E. L. Goodloe and G. E. Peniston. 1,629,697; May 24.
Agricultural implements. J. Hampson. 1,629,915; May 24.
Air classifier. A. H. Stebbins. 1,629,594; May 24.
Aircraft. J. W. Silver. 1,629,843; May 24.
Aircraft safety device. J. Ostand. 1,630,211; May 24.
Alarm: *See*—
Low-water alarm.
Aluminum alloys, Improving. W. Guertler and W. Sander. 1,629,690; May 24.
Amusement device. P. U. Daniel. 1,629,570; May 24.
Amusement device. A. A. Payne. 1,629,808; May 24.
Amusement device. P. C. Smith. 1,630,098; May 24.
Animal pens, Panel for. R. B. Louden. 1,629,719; May 24.
Animal trap. C. W. Borg. 1,629,649; May 24.
Anti-mouth-breathing device. R. B. Storms. 1,629,892; May 24.
Antrum burr. R. S. Binkley, L. E. Stutsman, and T. E. Grove. 1,630,239; May 24.
Apparatus for and method of applying tips to cores. B. K. Ford. 1,629,694; May 24.
Asbestos cloth, Apparatus for weaving. E. J. Trainor. 1,629,850; May 24.
Ash sifter. A. Papenfuss. 1,629,729; May 24.
Asphalt and producing the same, Cellular body of. J. H. Young. 1,630,103; May 24.
Automatic closure. N. A. and G. A. Stathes. 1,629,747; May 24.
Automatic gate. H. M. Hirsch and F. A. Harris. 1,629,700; May 24.
Automatic signal. W. E. Wulfhorst. 1,629,982; May 24.
Automatic switch. F. Aldendorff. 1,629,646; May 24.
Automobile body construction. H. Ford. 1,629,493; May 24.
Automobile driving mechanism. F. S. Hudson. 1,629,707; May 24.
Automobile frame and tubular crossbar therefor, Flexible. L. R. Smith. 1,630,036; May 24.
Automobile license plate and theft indicator. J. Nelson. 1,629,959; May 24.
Automobile license-plate holder. G. F. Edwards. 1,629,688; May 24.
Automobile license plates, Manufacturing. S. S. Adams. 1,629,944; May 24.
Automobile radiator casing. E. W. Seaholm. Des. 72,746; May 24.
Automobile signal casing. P. Vonfelt. Des. 72,743; May 24.
Automobile speedway device. C. F. Thuss. 1,630,229; May 24.
Automobile top and curtain construction. R. H. Stobbe. 1,629,935; May 24.
Automobiles, Automatic gear shift for. F. S. Cartwright. 1,629,654; May 24.
Automobiles, Baby chair for. M. J. Miller. 1,629,834; May 24.
Axle transmission mechanism, Rear-. N. L. Olson. 1,630,210; May 24.
Bag: *See*—
Tea bag.
Water bag.
Bag-filling machine. E. L. Bushman, K. L. Curtis, and J. Ward. 1,629,860; May 24.
Baking receptacle. H. G. Sibbald. 1,630,140; May 24.
Ball cock. J. A. Sherman and W. H. Sheppard. 1,629,645; May 24.
Ball-grinding machine. W. B. Gardiner. 1,629,864; May 24.
Ball mills and making same, Grate for. F. E. Marcy. 1,629,803; May 24.
Bar: *See*—
Grate bar.
Barometer. H. Long. Des. 72,715; May 24.
Bathroom fixture, Combination. J. H. Balmer. Des. 72,691; May 24.
Battery support. R. K. Jack. 1,629,665; May 24.
Bearing, Roller. D. W. Tietjen. 1,629,600; May 24.
Bed-spring fabric. W. H. Matthews. 1,630,196; May 24.
Bedstead end frame. C. A. Stuart. 72,738–40; May 24.
Belt buckle. M. Mabon. 72,716; May 24.
Belt fastener. L. J. Andersson. 1,629,983; May 24.
Beverage urn or similar article. B. Branston. 72,696–7; May 24.
Blast furnace. J. Kennedy. 1,629,508; May 24.
Blast-furnace structures, Elevator tower for. J. Kennedy. 1,630,088; May 24.
Block: *See*—
Building block.
Railway safety block.
Traveling block.
Blowtorch. H. L. Fish. 1,629,909; May 24.
Blowtorch and pot. J. D. Kelvie, jr. 1,629,628; May 24.
Boat, Flying. L. B. Sperry. 1,629,978; May 24.
Boiler: *See*—
Locomotive boiler.
Steam boiler.
Superheater boiler.
Boiler-cleaning device. F. Bowers. 1,629,675; May 24.
Boll-weevil exterminator. J. W. Kisselburg. 1,630,016; May 24.
Bolt mounting. G. H. Forsyth. 1,629,494; May 24.
Bolts, Means for anchoring. R. A. Mirzan. 1,629,880; May 24.
Bookkeeping form. H. W. Read. 1,630,073; May 24.
Book rack. P. W. Wipperman. 1,629,941; May 24.
Bottle cap. M. T. Hasek. 1,630,179; May 24.
Bottle-capping machine. O. N. Tevander. 1,629,599; May 24.
Bottle carrier for milk bottles, Sanitary. C. W. Hornaday. 1,629,871; May 24.
Bottle holder, Nursing-. P. Cardarella. 1,630,167; May 24.
Box: *See*—
Candy-dispensing box.
Glass battery box.
Journal box.
Mail box.
Minnow box.
Suction box.
Box. J. B. De Mesquita. 1,629,484; May 24.
Box and toy house, Combination candy. D. C. Faulkner. 1,630,117; May 24.
Bracelet, Expansible. F. W. Nittel. 1,630,236; May 24.
Bracket: *See*—
Curtain bracket.
Scaffold bracket.
Spring bracket.
Switch bracket.
Brake: *See*—
Electrically-released brake.
Servo-expanded brake.
Brake. A. Y. Dodge. 1,630,059; May 24.
Brake. L. E. LaBrie. 1,630,061; May 24.
Brake. M. W. McConkey. 1,630,060; May 24.
Brake. E. G. Sprung. 1,629,746; May 24.
Brake-equalising mechanism. A. F. Anderson. 1,629,647; May 24.
Brake mechanism. J. C. Harrington. 1,630,178; May 24.
Brake-operated circuit closer. H. W. West. 1,629,897; May 24.
Brake shoe, Reenforced. V. Bendix. 1,629,471; May 24.
Breakable articles, Packaging. J. H. Coughlin. 1,629,995; May 24.
Brick die. J. C. Martin, jr. 1,630,066; May 24.
Bridge approach. A. S. Hackett. 1,629,787; May 24.
Brush, Wire. W. W. Davidson. 1,629,481; May 24.
Brushes, Pigtail connection for. J. F. Kerlin and H. J. Rosenhoffer. 1,629,875; May 24.
Bucket, Well. P. E. Getz. 1,629,912; May 24.
Building block, Concrete. E. S. Nicholas. 1,629,960; May 24.
Building trims, Attaching means for. W. S. Thomas. 1,629,848; May 24.
Bumper, Automobile. R. W. Kirk. 1,629,509; May 24.
Bumper, Automobile. W. Bahe. 1,629,587; May 24.
Bumper, Automobile collision. M. W. McConkey. 1,629,806; May 24.
Bundle tier, Automatic. A. H. Saxton. 1,620,841; May 24.
Burner: *See*—
Hydrocarbon burner.
Burner apparatus. E. Michand. 1,629,722; May 24.
Bushing. W. Ferris and M. F. Keese. 1,629,818; May 24.
Bushings, Conductor terminal for. A. O. Austin. 1,630,104; May 24.
Cage, Bird. L. J. Leon. 1,629,717; May 24.
Caliper, Micrometer. P. J. Darlington. 1,629,480; May 24.
Camera-supporting means. H. O. Langley. 1,629,579; May 24.
Can: *See*—
Food-preserving can.
Can. L. Koll. 1,629,828; May 24.
Can openers, Clamping mechanism for. S. A. Davis. 1,629,482; May 24.

Cans to closing machines, Mechanism for feeding filled. H. A. Fink. 1,629,616; May 24.
Candy-dispensing box. J. M. Sheridan. 1,629,661; May 24.
Car construction. K. C. Gardner. 1,630,001; May 24.
Car, Dump. S. D. Wright. 1,629,853; May 24.
Car roof. C. D. Bonsall. 1,629,472; May 24.
Car-tilting mechanism. E. A. Malmgren. 1,629,721; May 24.
Car transfer, Rail-. J. F. McCarroll. 1,629,805; May 24.
Cars, Automatic braking mechanism for motor. J. C. Snodgrass. Re16,632; May 24.
Cars, Coupling for railway. C. Stollberg. 1,629,551; May 24.
Carboy. R. H. Bradford, J. S. La Barr, and P. H. Thompson. 1,630,163; May 24.
Carburetor. W. H. K. Williams. 1,629,898; May 24.
Carburetor attachment. R. R. Ross. 1,630,242; May 24.
Carpet fastener, Stair-. H. A. Jamgotch. 1,629,505; May 24.
Carrier: *See*—
Merchandise carrier. Tire carrier.
Case: *See*—
Vanity case.
Cash register. W. H. Robertson. 1,629,537; May 24.
Casing head. M. L. Sweeney. 1,629,749; May 24.
Casserole holder. S. W. Farber. Des. 72,703–4; May 24.
Casting, Centrifugal. C. P. Wetmore. 1,630,043; May 24.
Catoptric light. H. C. Jensen. 1,629,506; May 24.
Cellulose fabric, Cross-dyeing. J. C. Watson. 1,629,769; May 24.
Cellulose fabric, Cross-dyeing. J. C. Watson. 1,629,770; May 24.
Cellulose from the bagasse of sugar cane, Extracting the pure. E. C. H. Valet. 1,630,147; May 24.
Cellulose, wood pulp, etc., Primary strainer for. C. M. Hanssen. 1,629,619; May 24.
Cement composition. C. E. Kraus. 1,629,714; May 24.
Centrifugal separator. V. E. Metcalfe. 1,630,201; May 24.
Chain conveyer. L. Lomando. 1,629,515; May 24.
Chain, Drive. G. W. Wilmot and F. H. Blatch. 1,629,755; May 24.
Chair: *See*—
Screed chair.
Chair. A. Miller. 1,629,630; May 24.
Chandelier or article of similar nature. G. E. Villaret. Des. 72,742; May 24.
Change making and ejecting mechanism. F. Hedley and J. S. Doyle. 1,629,621; May 24.
Chimney attachment. W. F. Phillipp. 1,629,809; May 24.
Chimney cleaner, Adjustable. F. Buchholtz. 1,629,990; May 24.
Cigarette holder. C. D. Rosan. 1,630,243; May 24.
Cigarette-making machine. W. E. Molins. 1,630,132; May 24.
Circuit breaker. P. E. Klopsteg and W. H. Stannard. 1,629,711; May 24.
Circuit breaker, Automatic electric-. H. Schachtner. 1,629,640; May 24.
Circuit controller, Thermosensitive. P. E. Klopsteg and W. H. Stannard. 1,629,710; May 24.
Circuits, Apparatus for testing electric. W. Elmenthaler. 1,630,116; May 24.
Circuits, Program-selecting. C. H. Fetter. 1,629,491; May 24.
Circuits, Program-selecting. M. E. Strieby. 1,629,552; May 24.
Clamp: *See*—
Concrete-form clamp. Tympan clamp.
Cultivator-tool clamp. Umbilical-cord clamp.
Polish-rod clamp.
Clay or other plastic material, Apparatus for forming dovetail or undercut recesses in. L. Gaisman and A. E. Brown. 1,629,660; May 24.
Cleaner: *See*—
Chimney cleaner.
Cleaner. F. V. Ralston. 1,629,965; May 24.
Cleaning containers. D. A. Dougherty. 1,629,486; May 24.
Cleaning device. J. Holtzman. 1,630,084; May 24.
Cleaning machine. A. L. and M. O. Williams. 1,630,152; May 24.
Cleaning mechanism. F. R. Ryberg. 1,629,740; May 24.
Clock case. J. Katz. Des. 72,712; May 24.
Clocks, Mechanism controlling alarm in. B. and O. Newth. 1,630,207; May 24.
Closure device. R. D. Simpson. 1,630,222; May 24.
Clothespin. J. Larson. 1,630,017; May 24.
Clutch, One-way. D. L. Oulton. 1,629,585; May 24.
Coal-chute gate. E. A. Titus. Re16,633; May 24.
Coats, Combination muffler holder for. H. Rolnick. 1,629,840; May 24.
Coffee free from caffeine, Production of. F. Kündig. 1,629,512; May 24.
Coin-wrapper crimper. W. B. Howard. 1,629,625; May 24.
Collar button. S. Kaufman. 1,629,822–3; May 24.
Colorimeter. J. P. Bader. 1,629,609; May 24.
Combustion engine. G. L. Bull. 1,629,677; May 24.
Compact case. B. d'Escayrac. Des. 72,700; May 24.
Compressed-air retainers, Device for charging and discharging. A. Abel. 1,630,156; May 24.
Compressor. F. W. Knowles. 1,629,798; May 24.
Concrete-form clamp. F. Wustholz. 1,629,899; May 24.
Concrete mixers, Loading skip for. S. Shafer, jr. 1,630,221; May 24.
Concrete piles or columns, Construction of. A. Hiley. 1,629,622; May 24.
Concrete piles, Sinking. M. Blumenthal. 1,629,947; May 24.
Concrete reenforcement, Holding clip for. C. L. Dewey. 1,629,485; May 24.
Condenser. W. H. Petit. 1,629,882; May 24.
Condenser, Electrical. H. F. Herman. 1,629,867; May 24.
Coning machines, Tangle arrester for. E. J. Kelly. 1,629,507; May 24.
Connecter. H. Catlin and G. B. Thomas. 1,630,166; May 24.
Connecter. H. Finkle. 1,629,783; May 24.
Conveyer. F. W. Cutler. 1,629,776; May 24.
Conveyer, wrapping, and labeling machine. P. D. Parsons. 1,629,525; May 24.
Cooker. W. Laabs. 1,630,124; May 24.
Cooker, Electric. J. E. Smith. 1,630,237; May 24.
Cooking and drying apparatus. C. Offenhauser. 1,630,071; May 24.
Cookstove, Gas. B. F. Rodgers. 1,630,030; May 24.
Cooling system. W. W. Muir. 1,630,068–9; May 24.
Corn huskers, Shaker trough for. A. Rosenthal. 1,629,930; May 24.
Corrugated board, Machine for manufacturing. J. Kramer and A. H. Israel. 1,629,511; May 24.
Cotter-pin and staple puller. F. Foote. 1,629,953; May 24.
Cotton gins, Rib rail for. I. Leech and T. H. Bradley. 1,630,018; May 24.
Counter. F. P. Steil. 1,629,933; May 24.
Cranberry-harvesting apparatus. H. B. Magiathlin. 1,629,831; May 24.
Crane, Automotive. R. S. Moore. 1,629,521; May 24.
Crane, Wrecking. J. H. Staley. 1,629,502; May 24.
Crank. M. Anthony. 1,629,469; May 24.
Crank shaft. O. W. Thompson. 1,630,038; May 24.
Crank shafts, Power take-off for engine. R. D. Caffarello. 1,629,949; May 24.
Crossing. S. G. Davis. 1,629,778; May 24.
Cultivator-tool clamp. J. Spahn. 1,629,548; May 24.
Curling iron. A. T. Smith. 1,630,078; May 24.
Curtain bracket. W. W. Huyser. 1,629,820; May 24.
Curtain fastener. J. Vodicka. 1,629,603; May 24.
Cushion: *See*—
Accelerator cushion.
Cutter: *See*—
Double carving cutter.
Cutter head. C. Wolf. 1,629,760; May 24.
Damper and the like, Heat-resisting. F. A. Fahrenwald. 1,629,689; May 24.
Defect-removing and patch-cutting machine. M. E. Steger. 1,629,595; May 24.
Dental marking device. J. M. Craigo. 1,629,861; May 24.
Desk set. B. W. Hanle. 1,629,574; May 24.
Diazo compound and making same, Stable. G. de Montmollin and G. Bonhôte. 1,629,906; May 24.
Die: *See*—
Brick die.
Dipper-door latching and unlatching means. J. A. Orndorff. 1,629,634; May 24.
Direction indicator. A. F. Haddad. 1,629,501; May 24.
Direction indicator. C. H. Johnson. 1,630,014–15; May 24.
Display and vending device, Sanitary. C. L. Bell and M. S. Kessler. 1,629,673; May 24.
Display hook. W. F. Irish. 1,629,576; May 24.
Doll. J. A. Bolton. 1,630,240; May 24.
Door and operating mechanism therefor. A. Rush and R. H. Greegor. 1,629,973; May 24.
Door and window screen catch and fastener. B. Moore. 1,629,725; May 24.
Door closer. R. S. Potter. 1,629,963; May 24.
Door closer. E. Stocker. 1,629,596; May 24.
Door knob. C. F. Rood. 1,630,032; May 24.
Door opener, Electric. C. A. Martindale. 1,630,127; May 24.
Door, Refrigerator. W. H. Whittier. 1,630,100; May 24.
Double carving cutter. J. Dumont. 1,630,178; May 24.
Double wrench. M. J. Tully. 1,629,895; May 24.
Drawer pull. M. H. Rosenthal. Des. 72,726; May 24.
Drawing hollow ware of sheet metal, Press for. C. J. Rhodes. 1,629,839; May 24.
Dress shield. B. E. Tedstone. 1,630,228; May 24.
Drill. W. R. Penson. 1,629,881; May 24.
Drill-supporting structure. J. E. Shaw. 1,629,745; May 24.
Drilling concrete, etc., Tool for. A. W. Machlet. 1,629,581; May 24.
Drills, Portable mounting for electric. C. A. Mowles. 1,630,205; May 24.
Drinking fountain, Inclined-nozzle. P. Mueller and A. C. Schuermann. 1,630,206; May 24.
Drying apparatus. L. H. Zeun. 1,629,942; May 24.
Drying apparatus, Electrical heating unit for. L. H. Zeun. 1,629,943; May 24.
Dust-extracting unit. A. H. Stebbins. 1,629,593; May 24.
Ear phone. D. A. Reynolds. 1,630,028; May 24.
Egg beater, Sanitary. A. A. Kopenhaver. 1,629,956; May 24.
Electric frying pan. E. J. Rohne. 1,629,737; May 24.
Electric fuse. H. T. Bussmann. 1,629,948; May 24.

Electric gas switch. W. H. Overton. 1,630,212; May 24.
Electric heater. H. N. Shaw. 1,629,744; May 24.
Electric heater circuits, Switching arrangement for. W. R. Walker. 1,630,232; May 24.
Electric-light fixture. G. Lipschutz. Des. 72,714; May 24.
Electric machines, Frame for dynamo. J. F. Lincoln. 1,629,877; May 24.
Electric overload protective system. J. Pfretzschner. 1,630,214; May 24.
Electric switches, Spring means for. B. E. Getchell. 1,629,911; May 24.
Electric-wave producing and changing device. H. J. Murray. 1,629,727; May 24.
Electrical apparatus. L. O. Grondahl and H. M. Ryder. 1,629,866; May 24.
Electrical connecter device and fixture support, Combination. R. B. Benjamin. 1,629,568; May 24.
Electrical signals, Apparatus for recording. A. H. Taylor. 1,630,227; May 24.
Electrical switch. G. O. Wilms. 1,629,756; May 24.
Electrical translating device. M. C. Hopkins. 1,630,010; May 24.
Electrical-tube-connecter twisting device. W. J. Leach. 1,629,800; May 24.
Electrically-heated steam brush. E. J. Rohne. 1,629,738; May 24.
Electrically-released brake. J. W. Dodd. 1,629,781; May 24.
Electrically-welded bubble tower. R. Stresau. 1,630,037; May 24.
Electrolytic method and apparatus. K. E. Stuart. 1,630,224; May 24.
Electron-tube-amplifying apparatus. R. S. Fisher. 1,630,118; May 24.
Elevator: *See*—
Fish elevator.
Elevator and weed carrier, Potato. T. Tuchek. 1,629,851; May 24.
Engine. C. A. Dreisbach. 1,629,686; May 24.
Engine fuel system. J. Good. 1,629,500; May 24.
Engines: *See*—
Combustion engine. Rotary engine.
Internal-combustion engine. Sliding-base engine.
Engines, Injecting liquid fuel into internal-combustion. S. D. Olsen. 1,629,633; May 24.
Engines, Lubrication of internal-combustion. R. C. Garland. 1,629,695; May 24.
Engines, Process of and apparatus for cooling internal-combustion. W. W. Muir. 1,630,070; May 24.
Engines, Scavenging pump of internal-combustion. O. Mader. 1,629,878; May 24.
Engines, Separator and vaporizer for internal-combustion. G. Wirrer. 1,629,565; May 24.
Envelope. L. W. Hargroves. 1,629,788; May 24.
Envelope. H. A. Wolf. 1,629,852; May 24.
Excavating machines, Longitudinally-extensible boom for. G. A. Vaughn. 1,630,231; May 24.
Exercising device. F. S. Buckminster. 1,629,676; May 24.
Exhaust for drying cylinders and such like, Condensation. O. T. Sylwan. 1,629,598; May 24.
Expansible bracelet. J. Smith, jr. 1,629,976; May 24.
Extractor: *See*—
Fishhook extractor.
Eyeshade. A. L. Mallory. 1,630,193; May 24.
Fabric: *See*—
Cellulose fabric.
Fabric-weaving machine. J. E. Fefel. 1,629,952; May 24.
Fastener. F. Degueldre and L. Demaret, nee Degueldre. 1,629,779; May 24.
Feeding device, Poultry-. E. P. Steinback. 1,629,979; May 24.
Felt fabric. T. S. McDermott. 1,629,923; May 24.
Fence post. P. J. Hindmarsh. 1,629,663; May 24.
Ferrules, Process of and machine for making. G. M. Stevenson. 1,629,813; May 24.
Filling-station valve and key. A. Knittel. 1,629,797; May 24.
Filter. J. E. Spalding and R. L. Archer. 1,630,079; May 24.
Finger-nail trimmer. R. K. Rex. 1,629,967; May 24.
Firearms, Cartridge-feeding mechanism for automatic. J. M. Browning. 1,629,652; May 24.
Firearms, Firing mechanism for automatic. J. M. Browning. 1,629,651; May 24.
Fire escape. G. Scholer. 1,629,541; May 24.
Fire-extinguishing-apparatus, Mixer and distributor. O. R. Erwin and W. D. Witter. 1,629,490; May 24.
Fire starter, Friction. J. C. Ramsey. 1,629,638; May 24.
Fish elevator. J. H. Coleman. 1,630,169; May 24.
Fishhook extractor. M. E. Nelson. 1,629,583; May 24.
Fishhooks, Guard for. J. Klipec. 1,629,510; May 24.
Fishing lure. A. D. and D. M. Skelly. Re16,636; May 24.
Flacon. R. T. Brewster. Des. 72,698; May 24.
Floor and ceiling construction. F. M. Kandle. 1,630,185; May 24.
Flour improver. E. J. Sullivan. 1,630,143; May 24.
Flow integrator and recorder. C. Puccioni. 1,630,134; May 24.
Fly and insect trap. A. G. Carlson. 1,629,816; May 24.
Folding table. A. W. Zimmerman. 1,630,102; May 24.
Food containers, Closure for. D. M. Gray, E. Haub, and J. J. Williams. 1,629,698; May 24.
Food-preserving can. E. M. Lang, jr., 3d. Re16,629; May 24.
Footwear, Apparatus for making rubber. F. J. Macdonald. 1,629,920; May 24.
Fourdrinier machine and process of paper making. G. S. Witham, jr. 1,629,607; May 24.
Fruit, Preserving. R. D. McDill. 1,630,129; May 24.
Fuel, Device for vaporizing unatomized. J. W. Smith. 1,629,975; May 24.
Fuel mixer. H. Bornheim. 1,630,161; May 24.
Fuel mixer. C. D. Price. 1,629,964; May 24.
Fuel oils, Apparatus for burning. C. E. Chapman. 1,629,774; May 24.
Fuller's earth, Furnace for the treatment of spent. R. E. Wilson. 1,630,044; May 24.
Funnel, Mold-charge-delivery. D. P. Weaver. 1,629,940; May 24.
Furnace: *See*—
Blast furnace. Hot-air furnace.
Furnace. J. Boucek and J. Halick. 1,630,162; May 24.
Furnace. W. J. Pees. 1,629,586; May 24.
Furnace. G. D. White. 1,629,606; May 24.
Furnace-arch construction. L. H. Hosbein. 1,629,706; May 24.
Furnace for supplying drying gases. D. E. Mansfield. 1,629,921; May 24.
Furnace-roof construction. G. F. Lenk. 1,629,668; May 24.
Game apparatus. J. T. Dwyer. 1,629,907; May 24.
Game board, Fortune-telling. C. G. Auchter. Des. 72,689; May 24.
Garment. R. R. Wellstatter. 1,629,561; May 24.
Garments, Fastener strip or fly for. L. Rosenman. 1,629,540; May 24.
Garnett machine. T. W. Allen. 1,630,158; May 24.
Gas compressor, Fluid-. J. Frankenberg. 1,629,495; May 24.
Gas gravity balance. H. R. Pierce. 1,629,526; May 24.
Gas heater. W. L. Sharp. Des. 72,729–30; May 24.
Gas-heater grill. W. Kenuedy. Des. 72,713; May 24.
Gasoline gauge. H. M. Cooper. 1,629,994; May 24.
Gasoline, Producing. H. B. Setzler. 1,629,810; May 24.
Gasoline-pump casing. E. E. Eickmeyer. Des. 72,701; May 24.
Gasometers, Coating. R. Mezger. 1,630,202; May 24.
Gate: *See*—
Automatic gate. Railway-crossing gate.
Coal-chute gate.
Gate. A. P. Merrill. 1,630,200; May 24.
Gate. J. Millard. 1,630,204; May 24.
Gauge: *See*—
Gasoline gauge. Liquid-level gauge.
Liquid gauge.
Gauges or similar articles, Plunger for pressure. P. E. Pulverman. 1,629,887; May 24.
Gear-shift mechanism, Hand-operated. B. F. Schmidt. 1,630,076; May 24.
Gearing, Differential. L. Pondelick. 1,629,527; May 24.
Gears, Preventing backlash in. J. M. White. 1,629,564; May 24.
Generator and burner using radiants, Kerosene-gas. S. Joseph. 1,630,184; May 24.
Gin. N. B. Henry. 1,630,005; May 24.
Glass articles, Machine for finishing pressed-. R. T. Kimble. 1,629,827; May 24.
Glass battery box. J. K. Robinson, jr. 1,629,069; May 24.
Glass-blowing machine. C. S. Budd. 1,629,653; May 24.
Glass composition. W. F. Bleecker. 1,629,648; May 24.
Glasses, Holder for. S. W. Farber. Des. 72,705–9; May 24.
Glue and gelatin, Obtaining. G. R. Underwood. 1,629,556; May 24.
Golf ball. G. W. Beldam. Des. 72,692–3; May 24.
Golf balls, Apparatus for renewing surfaces of. W. P. Hammond. 1,630,244; May 24.
Golf tee. E. P. Webster. 1,629,981; May 24.
Grain binders, Attachment for. B. H. Bura. 1,629,610; May 24.
Grain elevators and the like, Bin-floor dust-collecting system for. T. D. Budd and W. R. Sinks. 1,629,991; May 24.
Grate bar. J. D. McDonald. 1,629,629; May 24.
Grate stoker, Traveling-. A. E. M. Shafer and A. A. Norrman. 1,630,220; May 24.
Grouser. P. Weeks. 1,629,768; May 24.
Guard fingers, Ledger-plate fastener for. M. M. Hustad. 1,629,793; May 24.
Guide, Combination. C. D. Frey. 1,630,120; May 24.
Gun carriage. H. Romberg. 1,629,739; May 24.
Guns, Semiautomatic rammer for. A. Dabrasky. 1,629,683; May 24.
Hæmacytometer. S. Trenner. 1,630,146; May 24.
Hair guard and template. M. Schick. 1,629,741; May 24.
Hair waver. M. D. Worley. 1,629,567; May 24.
Hammer, Centrifugal. G. P. Lucas. 1,630,021; May 24.
Hand bag, Lady's. M. White. Des. 72,744; May 24.
Harrows, Draft evener for. J. A. Reimer and H. C. Hansen. 1,629,529; May 24.
Harvester, Sugar-cane. H. O. Scranton. 1,630,097; May 24.
Harvesting machine, Sugar-beet-. H. Chavez. 1,629,993; May 24.
Hay-stacking device. G. W. Voelkel. 1,629,604; May 24.

Headlight for motor vehicles, Dirigible. E. G. Wentworth. 1,629,752; May 24.
Headlights, Controlling mechanism for. A. B. Wilson. 1,630,154; May 24.
Heat-exchange apparatus. A. R. Vila. 1,630,148; May 24.
Heater: *See*—
Electric heater. Water heater.
Manifold heater.
Heel, Cushioned. M. W. Hirshfield. 1,629,916; May 24.
Hoe. A. B. Garrett. 1,630,121; May 24.
Holder for baking potatoes. U. G. Knauff. 1,630,188; May 24.
Holding device. W. H. Dunne. 1,629,488; May 24.
Holster. C. F. Harter. 1,629,700; May 24.
Hone and strop, Razor. W. M. Tierz. 1,629,980; May 24.
Honing device, Razor-. E. Jacobs. 1,630,182; May 24.
Hook: *See*— M
Display hook.
Hose supporter. J. A. Skaer. 1,629,811; May 24.
Hot-air furnace. W. S. Martin. 1,630,024; May 24.
Hot-water vest. J. Jirasek 1,629,626; May 24.
Hub and journal box. H. W. Sanford and H. W. Jones. 1,630,219; May 24.
Hydrocarbon burner. H. A. Sekowsky. 1,630,139; May 24.
Hydrocarbons in internal-combustion engines and apparatus therefor, Utilizing. D. Balachowsky and P. Caire. 1,630,048; May 24.
Hydrogen from gases, Removing sulphureted. W. Gluud. Re16,631; May 24.
Ignition cut-offs, Controlling means for. G. W. Thompson. 1,629,554; May 24.
Ignition magneto. W. W. Hawkins. 1,629,575; May 24.
Inclinometer. C. W. Custer. 1,630,172; May 24.
Indicator: *See*—
Direction indicator. Temperature indicator.
Liquid-level indicator.
Injector. S. L. Kneass. 1,629,712; May 24.
Insecticides, Manufacture of arsenate. H. W. Walker. 1,629,557; May 24.
Insole. C. A. Roberts. 1,630,135; May 24.
Insulating disks in metal caps, Apparatus for inserting. L. G. Lange. 1,629,513; May 24.
Insulator or cut-out switch, Sectional. R. A. Suppes. 1,629,893; May 24.
Internal-combustion engine. J. Haltenberger. 1,630,245; May 24.
Internal-combustion engine. R. K. Jack. 1,629,664; May 24.
Internal-combustion engine. F. M. Jobes. 1,629,795; May 24.
Internal-combustion engine. H. A. Nordwick. Re16,630; May 24.
Internal-combustion engine, Multicylinder. C. Reineke. 1,629,530; May 24.
Internal-combustion engine, Two-stroke. W. Riehm. 1,629,535; May 24.
Iron: *See*—
Curling iron. Steam-heated iron.
Iron and steel, Making. S. Westberg. 1,629,563; May 24.
Jack: *See*—
Reel jack.
Jar: *See*—
Preserver jar.
Jar closure. J. O. Rollins. 1,629,639; May 24.
Jelly preparation. A. Leo. 1,629,716; May 24.
Joint: *See*—
Rail joint.
Joist, Metal. J. D. Cover. 1,629,479; May 24.
Journal box. C. Gibson. 1,629,865; May 24.
Journal box. J. H. Reedy. 1,630,026; May 24.
Key clutch, Rotary. F. John. 1,630,183; May 24.
Knife for peeling oranges, Combination. H. C. Kelly. 1,630,186; May 24.
Knob. E. F. Bossung. 1,629,773; May 24.
Labeling machine. A. P. Ekvall. 1,630,235; May 24.
Lacquer and film produced therefrom, Low-viscosity. E. M. Flaherty. 1,629,999; May 24.
Lamp-bulb socket. E. H. Rollinson. 1,629,970; May 24.
Lamp, Column parlor floor. H. Angel. 1,629,946; May 24.
Lamp, Electric. L. J. Buttolph. 1,630,051; May 24.
Lamp, Incandescent. O. Y. Maurer. 1,630,128; May 24.
Lamp outfit, Electric-. R. D. Malley. 1,630,090; May 24.
Lamp, Therapeutic. L. J. Buttolph. 1,630,057; May 24.
Lamp, Vapor. L. J. Buttolph. 1,630,053; May 24.
Lamp, Water-cooled. L. J. Buttolph. 1,630,052; May 24.
Lamp, Water-cooled. L. J. Buttolph. 1,630,054–6; May 24.
Lamps and the like, Cap or socket for incandescent electric. A. J. B. Marsat. 1,630,126; May 24.
Latch, Door. W. C. Devereaux. 1,629,614; May 24.
Latch, Exit. J. O. Soemer. 1,630,141; May 24.
Latch mechanism. S. E. McPartlin. 1,630,093; May 24.
Lathe, Spoke-turning. H. Flick. 1,629,691; May 24.
Laundry clothes-handling apparatus. E. R. Knudson. 1,630,189; May 24.
Length record and automatic machine for making same. F. B. Voegeli. 1,630,039; May 24.
Letter-box construction. C. C. Colby. 1,629,679; May 24.
Level and plumb, Combined. E. J. Elsas. 1,630,174; May 24.
Lifter: *See*—
Valve lifter.
Light: *See*—
Catoptric light. Spotlight.
Light fixture, Electric. W. P. Crockett. 1,629,613; May 24.
Lighting device, Decorative. J. G. Baldwin. Des. 72,690; May 24.
Lighting fixture. A. Dvorak. 1,629,489; May 24.
Lighting-fixture backplate. A. P. Seidell. Des. 72,727–8; May 24.
Lighting-fixture bracket or article of similar nature. G. E. Villaret. Des. 72,741; May 24.
Lighting-fixture strap. M. Jonick. Des. 72,710; May 24.
Lighting-fixture wall bracket. M. Jonick. Des. 72,711; May 24.
Lighting fixtures, Bowl-supporting means for. E. F. Guth. 1,630,004; May 24.
Liner. A. E. Scheetz. 1,630,138; May 24.
Lining-trimming machine. C. C. Webster. 1,629,500; May 24.
Link-forming device. W. F. Wemlinger. 1,629,751; May 24.
Linoleum floor covering and manufacture. C. F. Humphreys and J. C. McCarthy. 1,630,085; May 24.
Liquid-dispensing device. G. A. Bjorkholtz. 1,629,905; May 24.
Liquid-dispensing machine, Coin-actuated. A. Middleton. 1,630,203; May 24.
Liquid-flow governor. N. H. Jacovatos. 1,629,821; May 24.
Liquid gauge. A. L. Carter. 1,629,992; May 24.
Liquid-level gauge. W. N. Frank. 1,630,000; May 24.
Liquid-level indicator. W. M. Phelps. 1,629,732; May 24.
Liquid-level indicator. E. V. Rippingille. 1,630,029; May 24.
Lock: *See*—
Trunk lock. Vehicle lock.
Lock. E. M. Benham. 1,630,238; May 24.
Lock. J. H. Schlafly. 1,629,641; May 24.
Lock. W. E. Wread. 1,629,764; May 24.
Lock holder. L. F. Burke. 1,629,859; May 24.
Lock nut. F. Hoffman. 1,629,503; May 24.
Lock nut. E. Morse. 1,629,726; May 24.
Locomotive boiler. M. Mahoney. 1,629,720; May 24.
Locomotive-cellar-box puller. E. Nobles. 1,629,632; May 24.
Locomotive grates, Shaker bar for. V. T. Bjork. 1,629,674; May 24.
Loom. J. S. Todd. 1,629,849; May 24.
Loud speaker. M. C. Hopkins. 1,630,011; May 24.
Loud speaker, Cone-type. M. C. Hopkins. 1,630,008; May 24.
Low-water alarm. F. M. Roby. 1,629,929; May 24.
Low-water alarm. H. B. Thurston. 1,629,936–8; May 24.
Lumber and the like, Machine for milling. R. W. Scott. 1,629,742; May 24.
Luminous body. G. M. Coram. 1,630,171; May 24.
Luminous indication of quantities, Instrument for. G. H. Cooke. 1,629,680; May 24.
Machine tools, Cross-feed mechanism for. A. K. Watcher. 1,630,042; May 24.
Magnetic unloader. B. S. Aikman. 1,629,815; May 24.
Mail box. E. H. Renfro. 1,629,735; May 24.
Mail-box-cover-actuated switch. A. Fiekstein. 1,630,081; May 24.
Mail-box station. M. M. Harmony. 1,629,620; May 24.
Manifold. W. C. Kerwin. 1,629,796; May 24.
Manifold heater. J. B. Forshay. 1,629,657; May 24.
Map apparatus, Sectional-. G. C. McClintock. 1,629,582; May 24.
Marble, Artificial. H. L. Bates. 1,629,854; May 24.
Mask, Respirator. H. S. Olgard. 1,630,209; May 24.
Massage apparatus. W. Wahrt. 1,630,149; May 24.
Massage vibrator. L. J. Duprey. 1,630,115; May 24.
Match holder and cigarette container, Combined. W. G. Wolford. Des. 72,745; May 24.
Match machines, Block-feeding mechanism for. E. Snyder. 1,629,977; May 24.
Material-dividing machine. J. Hohl and O. J. Maurer. 1,629,917; May 24.
Material-working mechanism. C. G. Holmberg, jr., and J. S. Stull. 1,629,705; May 24.
Mattress and making the same. W. H. Kalsey. Re16,638; May 24.
Mechanical movement. E. Bryant. 1,630,164; May 24.
Merchandise carrier. H. Arnold. 1,630,047; May 24.
Mericuri-mononitro-ortho-cresol and its salts, Manufacture of. G. W. Raiziss. 1,630,072; May 24.
Metal-bending machine. H. Fuchs. 1,630,064; May 24.
Metal containers, Attaching rubber seal rings in. E. C. Hutchinson. 1,630,012; May 24.
Metal-cutting tool. J. D. Knipple. 1,629,667; May 24.
Metals, Centrifugal casting of. L. I. Yeomans. 1,630,045; May 24.
Metallurgical-furnace-feeding mechanism. A. H. Richards. 1,629,968; May 24.
Meters, Automatic governing device for fluid-displacement. T. J. Loftus. 1,630,020; May 24.
Microscopes and the like, Light for. L. J. Buttolph. 1,630,233; May 24.
Minnow box. G. M. Messinger. 1,630,131; May 24.
Mixer: *See*—
Fuel mixer.
Modeling outfit, Plant and flower. T. C. Graham. 1,630,082; May 24.
Mold: *See*—
Tire-vulcanizing mold.
Mold-charge-guiding device. K. E. Peller. 1,629,926; May 24.

Mold-engraving machine. A. J. Fleiter and T. A. Miller. 1,629,910; May 24.
Molding apparatus. J. M. Ahlgren and J. V. Bretaud. 1,630,157; May 24.
Mop-assembling apparatus. M. Kenner. 1,630,187; May 24.
Mop dust collector, Dry-. I. L. Smith. 1,629,590; May 24.
Motor-compressor apparatus. R. P. Pescara. 1,629,928; May 24.
Motor-compressor unit. R. P. Pescara. 1,629,927; May 24.
Motor way or street, One-way. C. T. Eldredge. 1,629,782; May 24.
Motors, End frame ring for. J. F. Lincoln. 1,629,876; May 24.
Motors, Reverse control for. M. Brown. 1,629,989; May 24.
Motors, Starting box for controlling the electric current to machine. H. E. Campbell. 1,629,951; May 24.
Mousetrap. F. Kesel and G. Nichols. 1,630,123; May 24.
Mousetrap. W. S. Mountford. 1,630,241; May 24.
Mouthpiece adjuster. E. L. Simpson. 1,629,932; May 24.
Mower, Railway. W. S. Andrews. 1,629,984; May 24.
Mowing and reaping machine. J. Rudland. 1,630,033; May 24.
Musical transformation chart. J. Wolf-Marjanski. 1,630,246; May 24.
Oil burners, Automatic control for. F. A. Lundquist, 1,630,022; May 24.
Oil burners, Thermostatic control for. L. S. Chadwick, M. Resek, and J. A. Dahlstrom. 1,629,569; May 24.
Oil-burning system. L. L. Scott. 1,629,542; May 24.
Oil, Rustproofing. R. E. Wilkin. 1,630,101; May 24.
Oil-testing apparatus for motor vehicles. F. B. Mason. 1,630,087; May 24.
Oils, Cracking hydrocarbon. W. F. Faragher and W. A. Gruse. 1,629,908; May 24.
Optical apparatus, as photographic camera, for reproducing the objects with their natural colors. G. Russo. 1,629,974; May 24.
Ornament. M. Reisert. 1,629,531; May 24.
Pan: *See*—
Electric frying pan.
Panel board and panel-board construction. H. F. Starrett. 1,629,645; May 24.
Paper-crimping machine. C. E. Scott. 1,629,743; May 24.
Paper-making apparatus. H. G. Cram. 1,629,681; May 24.
Paving blocks and slabs made of rubber compound, Making. E. Draullette. 1,629,487; May 24.
Pen attachment. S. Collander. 1,629,775; May 24.
Pen, Reservoir. S. Dellagala. 1,629,483; May 24.
Pens and clip therefor, Cap for fountain. A. Montan. 1,629,835; May 24.
Pens, Holder for fountain. H. L. Blackman. 1,629,987; May 24.
Pencil. J. Swanberg. 1,629,766; May 24.
Percussive tools, Lubrication of. E. Penberthy. 1,629,730; May 24.
Perforator, Receiving. H. Angel. 1,629,466; May 24.
Photographic shutter. C. Bornmann. 1,630,049; May 24.
Photographic shutter. W. A. Riddell. 1,629,534; May 24.
Photographs and the like, Mount for. G. A. Malme. 1,629,670; May 24.
Piano, Player. C. Gulbransen. 1,630,177; May 24.
Picture. H. Matthews. 1,629,879; May 24.
Pipe connections, Housing for. A. Foltz. 1,629,603; May 24.
Pipe-making machine. G. C. Martin. 1,629,922; May 24.
Pipe rip and cut-off. J. Goff. 1,629,696; May 24.
Piston, Expansion. G. W. Booksh. 1,629,988; May 24.
Plant-dusting attachment. G. Huebner. 1,629,872; May 24.
Plate. E. L. Schnepf. Des. 72,726; May 24.
Plate-bolting-up machine. F. C. Moore. 1,629,925; May 24.
Plate or similar article. J. E. Phillips. Des. 72,724; May 24.
Player actions, Transmission mechanism for. J. T. Rydberg. 1,630,035; May 24.
Playing instrument, Automatic. J. T. Rydberg. 1,630,034; May 24.
Pocketbook-fastening device. D. N. Gray. 1,630,002; May 24.
Polish-rod clamp. T. O'Boyle and R. G. Hamaker. 1,629,584; May 24.
Pontoon. I. Grebowiec. 1,630,003; May 24.
Powder-dispensing devices, Protected bearing for. R. R. Root. 1,629,539; May 24.
Powder puff. S. Biondi. 1,629,772; May 24.
Power transmission by hydraulic means. R. Caut. 1,630,168; May 24.
Power-transmitting mechanism. D. H. Martin. 1,629,518; May 24.
Power-transmitting device. J. Arter and E. Schelling. 1,629,902; May 24.
Preserver jar. W. Menne. 1,629,833; May 24.
Press. F. J. Horgan. 1,629,870; May 24.
Pressure-pad-control device. F. J. Rode. 1,629,538; May 24.
Puller: *See*—
Locomotive-cellar-box puller.
Pulley, Jerk-line break-out. R. D. Hill. 1,629,662; May 24.
Pulleys and the like, Hub for split. H. J. Gilbert. 1,629,498; May 24.
Pulleys, Guard for. H. F. Jones. 1,629,709; May 24.
Pulp, Apparatus for and method of screening. J. W. Stevens. 1,629,812; May 24.
Pump, Automobile. A. L. and W. H. Welsch. 1,630,150; May 24.
Pump, Double-acting. J. S. Hunter. 1,629,792; May 24.
Pump, Rotary. S. L. Menge. 1,630,130; May 24.
Pumping mechanism. C. H. Braselton and F. B. MacLaren. 1,629,857; May 24.
Pumps, Plate for vacuum. H. P. Sachse. 1,629,931; May 24.
Push-button switch. J. Valerius. 1,629,986; May 24.
Puzzle, Cross-word. N. Trbojevich. 1,629,601; May 24.
Rack: *See*—
Book rack. Washboiler rack.
Rack. T. T. Bernard. 1,630,105; May 24.
Radiant gas log. D. Chandler. 1,630,109; May 24.
Radiator cores, Apparatus for use in assembling. C. W. Dippert. 1,629,780; May 24.
Radiator faceplate. F. Mammi. Des. 72,717; May 24.
Radiator, Gas steam. G. W. Blackmore. 1,630,107; May 24.
Radiator shell. A. Palka. Des. 72,721–2; May 24.
Radio apparatus. J. J. W. Kenan and W. M. Cady. 1,629,825–6; May 24.
Radiocabinet. W. G. Crumlish and W. F. Scott. Des. 72,699; May 24.
Radiodial. L. E. Shaw. 1,629,891; May 24.
Radiodial escutcheon plate. P. L. Pendleton. Des. 72,723; May 24.
Radio loud-speaker body. C. M. Boudette. Des. 72,695; May 24.
Rail-butt connection with fishplate. H. Deiders. 1,629,996; May 24.
Rail joint. N. G. Franklin. 1,630,063; May 24.
Rail joint. Z. T. Hoskins. 1,629,791; May 24.
Rail-lifting device. H. E. Austin and J. C. Cook. 1,629,468; May 24.
Railway-crossing gate. W. B. Watson. 1,629,605; May 24.
Railway safety block. J. Lippis and M. E. Somerville. 1,629,669; May 24.
Railway structure, Pleasure-. J. A. Miller. 1,629,520; May 24.
Railway tie, Composite reenforced. C. W. Lee. 1,630,190; May 24.
Railway-traffic-controlling apparatus. L. O. Grondahl. 1,629,617; May 24.
Railway-traffic-controlling apparatus. H. O. Holte. 1,629,624; May 24.
Railway-traffic-controlling apparatus. R. A. McCann. 1,629,832; May 24.
Razor-blade holder. H. J. Gaisman. 1,629,863; May 24.
Reaming mechanism. B. C. Hinckley, C. J. Thoman, and G. E. Holton. 1,630,083; May 24.
Receptacle. E. B. Nathan. 1,629,837; May 24.
Receptacles, Sealing. H. J. Poole. 1,630,215; May 24.
Reel jack. A. J. Speirs. 1,629,644; May 24.
Refrigerating apparatus. F. W. Schwinn. 1,630,077; May 24.
Refrigeration. B. C. von Platen and C. G. Munters. 1,629,783; May 24.
Refrigerator. B. W. Bayless. 1,630,160; May 24.
Refrigerator-flue construction. H. C. Leonard and W. H. Whittier. 1,630,065; May 24.
Register: *See*—
Cash register.
Resilient wheel. F. Lenhardt. 1,629,715; May 24.
Resilient wheel. J. G. Swain. 1,630,225; May 24.
Rheostat. J. A. Nugent. 1,629,523; May 24.
Rheostat, Liquid. B. Gray and R. Curtis. 1,630,176; May 24.
Rim-rolling machine. E. Higgins. 1,629,703; May 24.
Riveting machine. E. B. Stimpson. 1,629,847; May 24.
Riveting-machine pocket. E. B. Stimpson and H. V. Rau. 1,629,846; May 24.
Road leveler or planer. E. A. Burrow. 1,629,678; May 24.
Road machine, Concrete-. E. G. Carr. 1,629,611; May 24.
Road strip. G. L. Weller. 1,629,750; May 24.
Rock or ore crushing machine. J. G. Malone and J. A. Dormer. 1,630,194; May 24.
Rods and the resulting product, Making welding. W. F. Stoody. 1,629,748; May 24.
Rolling-mill screw-down. J. B. Tytus. 1,629,602; May 24.
Rolls, Method of and machine for molding. H. S. Bilderback and C. A. Franke. 1,630,106; May 24.
Rope-tired wheel. E. N. Turner. 1,629,814; May 24.
Rotary engine. N. P. Lithander. 1,629,580; May 24.
Rubber articles from latex, Making molded. J. McGavack. 1,629,924; May 24.
Rubber splitting machine, Sheet-. L. L. Lyons. 1,629,830; May 24.
Rug-weaving machine. J. F. Ptacek. 1,629,886; May 24.
Rule, Extension. C. O. Linn. 1,629,829; May 24.
Sash fastener. J. T. Williams. 1,630,153; May 24.
Sash-regulating device. C. Ungerman. 1,630,230; May 24.

Sash-weight molds, Method and apparatus for making. J. J. Fleming. 1,629,492; May 24.
Sausage-making machine. C. Curry. 1,629,655; May 24.
Saving system. W. A. Ringler. 1,630,095; May 24.
Sawing, planing, and like machines, Feed roller for. T. Shurmer. 1,629,642; May 24.
Scaffold bracket. D. J. and D. E. Lockard. 1,629,718; May 24.
Scale. J. W. Rockefeller, jr. 1,630,096; May 24.
Scale-beam mechanism. G. W. Britton. 1,629,474; May 24.
Scarifier. C. E. Gilbert. 1,629,784; May 24.
Scarifier and cleaner, Combination. W. Youngman. 1,629,900; May 24.
Scoving, Portable. C. E. Fuller. Re16,634; May 24.
Scraper shoe. C. E. Gilbert. 1,629,785; May 24.
Screed chair. W. E. White. 1,629,753; May 24.
Self-service machine. J. Riikonen. 1,629,536; May 24.
Separator: *See*—
Centrifugal separator.
Separator joints, Apparatus for installing pavement. W. F. Shaw. 1,629,544; May 24.
Serving tray or similar article. S. W. Farber. Des. 72,702; May 24.
Servo-expanded brake. E. P. Renaux. 1,629,532; May 24.
Settling tank, White-water self-cleaning. J. P. Hass. 1,629,701; May 24.
Sheet feeder. A. C. Christopherson. 1,629,477; May 24.
Sheet feeders, Automatic pile-elevating mechanism for. W. M. Kelly. 1,629,874; May 24.
Sheet material, Slitting. T. B. Munroe. 1,629,522; May 24.
Shingle fastening. H. R. Wardenn. 1,629,558; May 24.
Shingles and roofing. F. P. Leonard. 1,630,019; May 24.
Ship construction, Passenger-. G. G. Sharp. 1,629,589; May 24.
Shock absorber. C. W. Gilden and W. H. Fry. 1,629,499; May 24.
Shock-absorbing seat support. J. Y. Turner. 1,629,939; May 24.
Shoe. M. Siegel. Des. 72,731; May 24.
Shoe-raising-platform device. C. Liberman. 1,630,191; May 24.
Shoe-string fastener. P. A. De Haan. 1,629,684; May 24.
Shoes and other apparel, Lace joint for. F. Koslowski. 1,629,713; May 24.
Shovels, Method and apparatus for testing. J. W. Browning. 1,629,858; May 24.
Sign, Electric. F. Archila. 1,629,467; May 24.
Signal: *See*—
Automobile signal.
Signal device, Automatic. J. R. Tollifson. 1,630,144; May 24.
Signaling system. E. F. Watson. 1,629,559; May 24.
Silks, Manufacture of artificial. D. A. McKenzie. 1,630,197; May 24.
Slicing machine. W. A. Van Berkel. 1,630 099; May 24.
Sliding base engine. E. L. Kastler. 1,629,918; May 24.
Slug-casting machine. I. T. Remas. 1,630,094; May 24.
Snowshoe and manufacturing same. E. W. Vose. 1,630,041; May 24.
Sound receiver and transmitter. F. W. Hochstetter and W. W. Thorpe. 1,629,869; May 24.
Sound-reproducing instrument. H. B. Rook. 1,629,971; May 24.
Speed transmissions, Controlling mechanism for variable. L. W. Meicher. 1,629,804; May 24.
Spindle mounting for variable condensers, Rotor plate. E. Ross. 1,630,075; May 24.
Spirit level. V. E. Ivarson. 1,630,122; May 24.
Spool. H. H. Wermine. 1,629,562; May 24.
Spool, Carpet. W. H. Wilson. 1,630,155; May 24.
Spool, Fiber head. C. E. Cundey. 1,630,058; May 24.
Spotlight. F. O. Rasor. 1,630,217; May 24.
Spring bracket, Automatically-adjustable. N. Alikakos. 1,629,671; May 24.
Spring construction, Rear. H. Athons. 1,629,672; May 24.
Spring support. S. P. Bush. 1,629,475–6; May 24.
Squash-ball tester. P. G. Cole. 1,630,110; May 24.
Stacking machine, Portable. W. S. Young. 1,629,771; May 24.
Stake. W. E. White 1,629,754; May 24.
Steam boiler. E. Kidwell. 1,629,954–5; May 24.
Steam-heated iron. L. Swenson. 1,629,553; May 24.
Steering gear. W. C. Anthony and W. B. Mackintosh. 1,630,046; May 24.
Steering gear for road graders. E. C. Gledhill. 1,629,573; May 24.
Storage battery plates, Manufacturing. W. J. Plews. 1,629,636; May 24.
Storage-battery terminal. M. E. Rutherford. 1,630,218; May 24.
Straightening machine. G. A. Wise. 1,629,750; May 24.
Strainer. N. A. McMahon. 1,630,198; May 24.
Strainer, Liquid. L. F. Stiehm. 1,630,223; May 24.
String-tuning device. J. Bernardini. 1,629,855; May 24.
Strip-applying machines, Wiper for. E. M. Brackett and F. M. Brackett. 1,629,473; May 24.
Suction box. J. H. Reedy and T. A. Cape. 1,630,027; May 24.
Sulphur, Prepared. F. H. Pough. 1,629,528; May 24.
Superheater boiler. W. F. Keenan, jr. 1,630,087; May 24.
Surgical or orthopedic appliance. J. Buckowitz. 1,630,108; May 24.
Surveyor's instrument. R. L. Huffman. 1,630,180; May 24.
Sustaining bodies in space. E. Klahn. 1,629,577; May 24.
Switch: *See*—
Automatic switch.
Electric gas switch.
Electrical switch.
Mail-box-cover-actuated switch.
Push-button switch.
Switch. W. J. Fraser. 1,629,497; May 24.
Switch bracket. H. A. Ziola. 1,629,765; May 24.
Switch-circuit controller. O. S. Field. 1,629,998; May 24.
Switch-point protector. R. G. Detmer. 1,629,817; May 24.
Swivel circulating head. W. Brauer. 1,629,650; May 24.
Table: *See*—
Folding table.
Table top. O. Landaw. 1,629,799; May 24.
Tank: *See*—
Settling tank.
Stock-watering tank.
Tail and signal lamp. J. C. Stearns. 1,629,549; May 24.
Talking machines, Repeating mechanism for. S. B. Battey and B. M. Battey. 1,629,986; May 24.
Tank-gauging device. G. O. Wilson. 1,629,758; May 24.
Target-practice device. J. E. T. Jacquemin and M. P. C. Fère. 1,629,794; May 24.
Tea bag. S. Cooper. 1,629,612; May 24.
Telephone attachment. F. W. Hoban. Re16,635; May 24.
Telephone speaker. C. J. Fitch. 1,630,119; May 24.
Telephone system. F. T. Madsen. 1,629,516; May 24.
Telephone system, Automatic. R. G. Richardson. 1,629,533; May 24.
Telephone systems, Interoffice trunk circuits for. B. D. Willis. Re16,637; May 24.
Temperature indicator. R. Hill. 1,630,007; May 24.
Thermostatic control device. E. Wilson. 1,629,757; May 24.
Ticket-holding device. H. Croom. 1,629,682; May 24.
Tie: *See*—
Railway tie.
Time-controlled switches, Base for. F. B. Somerstein. 1,629,591; May 24.
Tins and the like metallic containers, Evacuation and sealing of. H. J. Poole. 1,630,216; May 24.
Tire. F. A. Nied. Des. 72,720; May 24.
Tire. W. W. Siegler. Des. 72,732; May 24.
Tire carrier. W. F. Clark. 1,629,478; May 24.
Tire carrier and protector. C. Dahl. 1,629,777; May 24.
Tire casings, Making. T. C. Marshall. 1,629,517; May 24.
Tire-chain applier. E. E. Cronenweth. 1,630,111; May 24.
Tire chains, Device for applying. J. F. Herring. 1,630,006; May 24.
Tire rim. M. Gross. 1,629,913; May 24.
Tire valve. P. M. Ahearn. 1,629,901; May 24.
Tire valve stems, Auxiliary valve for pneumatic. W. R. Royer. 1,629,972; May 24.
Tire-vulcanizing mold. P. De Mattia. 1,630,113; May 24.
Toilet articles or similar article. Receptacle for. F. M. Nicholson. Des. 72,719; May 24.
Tongs. C. D. Hyatt. 1,630,013; May 24.
Tongs and the like. G. E. Nix. 1,629,631; May 24.
Tool holder. J. H. Smith. 1,629,547; May 24.
Tool, Pneumatic percussive. E. W. Stevens. 1,629,845; May 24.
Torpedo. L. J. Barry. 1,630,159; May 24.
Toy. G. H. Parsons. 1,629,635; May 24.
Toy animal. R. A. Butler. 1,630,165; May 24.
Toy, Automobile. S. I. Berger. Des. 72,694; May 24.
Toy balloons, Valve for. M. Perdue. 1,629,838; May 24.
Toy, Gravity-operated figure. F. B. Ruwwe. 1,630,137; May 24.
Toy gun. L. V. Aronson. 1,629,608; May 24.
Toy, Gymnastic-. M. Alarcon. 1,629,945; May 24.
Toy, Roundabout. L. Marx. 1,630,091; May 24.
Toy, Wheeled. N. Madson. 1,630,192; May 24.
Traction shoe. J. Messner. 1,629,519; May 24.
Tractor wheel. H. S. Ostdick. 1,630,025; May 24.
Tractors, Clutch control for. H. A. Stewart and F. L. Holt. 1,629,550; May 24.
Tractors, Track chain for. T. C. Leake. 1,630,089; May 24.
Train control. C. A. Campbell and E. C. Vroman. 1,630,234; May 24.
Train-pipe connecter, Automatic. C. A. Kothe. 1,629,578; May 24.
Transformer. T. J. Murphy. 1,629,836; May 24.
Translating device. M. C. Hopkins. 1,630,008; May 24.
Transmission control. R. W. Keeler. 1,629,666; May 24.
Trap: *See*—
Animal trap.
Fly and insect trap.
Traveling block. G. E. Fentress. 1,629,690; May 24.
Tray, Ash. A. Janer. Re16,628; May 24.
Tree treatment. J. S. Perry. 1,629,962; May 24.
Triaryl-methane dyes from tetraalkyl-diamino-benzophenone and arylated-ethylene diamine. H. Pollkier and H. Hähle. 1,629,884; May 24.
Triaryl-methane dyestuffs from tetraalkyl-diamino-benzophenones and di-1-naphthyl-ethylene-diamine. H. Pollkier and H. Hähle. 1,629,885; May 24.
Trimmer: *See*—
Finger-nail trimmer.

Trouser stretcher. R. Frey. 1,629,659; May 24.
Truck-body mount. S. E. Travis, jr. 1,630,145; May 24.
Trucks, Frame construction for excavator. G. T. Ronk. 1,629,890; May 24.
Trucks, Heavy-duty trailer for. A. E. Stockford. 1,629,597; May 24.
Trunk for automobiles, Detachable-. W. R. Spaulding. 1,630,142; May 24.
Trunk lock. H. B. Osgood. 1,629,728; May 24.
Tubing, Manufacturing metal. J. W. Moon. 1,629,724; May 24.
Turbine. H. T. Werber. 1,630,151; May 24.
2:3-aminonaphthoic acid, Manufacture of. R. Tobler. 1,629,894; May 24.
Tympan clamp. H. M. Barber. 1,629,985; May 24.
Type-cleaning compound. E. L. Faber. 1,629,862; May 24.
Typewriters, Letter-spacing mechanism for. O. A. Hokanson. 1,629,623; May 24.
Typewriting machine. E. G. Latta. 1,629,514; May 24.
Typewriting machine. J. A. B. Smith. 1,629,546; May 24.
Typographical distributing machine. J. G. McNamara. 1,630,023; May 24.
Typographical distributing mechanism. J. R. Rogers. 1,629,889; May 24.
Typographical machines, Matrix for. H. R. Freund. 1,630,175; May 24.
Umbilical cord clamp. S. L. Rogers. 1,630,031; May 24.
Undergarment, Union or one-piece. O. A. Hoeglund. 1,629,704; May 24.
Union suit. L. J. Duffner. 1,629,687; May 24.
Urea from cyanimide, Manufacture of. J. Breslauer and C. Goudet. 1,630,050; May 24.
Vacuum cleaners, etc., Brush mounting for. W. L. Lindgren. 1,629,801–2; May 24.
Valve. F. A. Vogt, E. Fleisch, and H. Goldsmith. 1,630,040; May 24.
Valve, Air and vacuum. A. Harrison. 1,629,789; May 24.
Valve, Automatic self-closing. O. A. Price. 1,629,637; May 24.
Valve, Check. H. M. Nicholson. 1,629,961; May 24.
Valve-control mechanism. G. D. Kaiser. 1,629,627; May 24.
Valve, Drain. A. Abbamonte. 1,629,465; May 24.
Valve float, Flush-. E. L. Delany. 1,629,571; May 24.
Valve, Foot-actuated. J. Fraser. 1,629,496; May 24.
Valve lifter. F. C. Jewell and H. S. Jewell. 1,629,708; May 24.
Valve mechanism, Inlet-. P. Haas. 1,629,914; May 24.
Valve, Piston. D. R. Murphy. 1,630,133; May 24.
Valve, Plunger. C. W. Larner. 1,629,957; May 24.
Valves and the like, Operating device for. N. A. Petry. 1,630,213; May 24.
Valves, Making. L. Iversen. 1,629,504; May 24.
Vanity case. P. A. Reutter. 1,629,966; May 24.
Vegetable washer. P. A. Ross. 1,630,136; May 24.
Vehicle. T. J. Fay. 1,630,002; May 24.
Vehicle. W. O. Shadbolt. 1,629,543; May 24.
Vehicle lock. E. C. Peterson. 1,629,731; May 24.
Vehicle, Passenger. H. A. Benedict. 1,629,904; May 24.
Vehicle power attachment, Motor. D. L. Wolf. 1,629,566; May 24.
Vehicle springs, Shock absorber for. J. T. Lenn. 1,630,125; May 24.
Vehicle top. C. A. Rotthouse. 1,629,588; May 24.
Vehicle wheel. H. A Benedict and E. M. Moller. 1,629,903; May 24.
Vehicle wheel-grip member. C. H. Gunthorpe, sr. 1,629,786; May 24.
Vehicles, Air brake for motor. D. G. Duty. 1,629,997; May 24.
Vehicles, ships, boats, flying machines, and the like, Jet propulsion apparatus for the driving of. S. Valdés. 1,629,767; May 24.
Vehicles, Spring suspension for. W. Hesslink. 1,629,868; May 24.
Vending machine. O. N. Kelly. 1,629,824; May 24.
Vending machine. M. Margolith. 1,630,195; May 24.
Venetian blind. W. E. Duncanson. 1,630,114; May 24.
Vitamines, Transferring. S. Grönningsaeter. 1,629,618; May 24.
Wall board or the like, Clamping means for. A. W. Tyler. 1,629,555; May 24.
Wall construction. J. R. Hazelrigg. 1,629,702; May 24.
Wall construction, Marine. J. P. Ball. 1,629,470; May 24.
Wall-molding apparatus. W. T. Fels. 1,630,080; May 24.
Wardrobe and dresser, Combined. C. G. Morrow and S. H. Oakes. Des. 72,718; May 24.
Washboard. G. W. Cook. 1,630,170; May 24.
Washboiler rack. G. Quasle. 1,629,888; May 24.
Washer: *See*—
Vegetable washer.
Washing and drying machine. S. J. Boughton. 1,629,856; May 24.
Washing machine. J. M. Deagle. 1,630,112; May 24.
Washing machine. H. W. Mitchell. 1,629,958; May 24.
Washing machine. O. B. Woodrow. 1,629,761–2; May 24.
Washing machines, Clutch mechanism for. O. B. Woodrow. 1,629,763; May 24.
Water bag. J. R. Moler. 1,629,723; May 24.
Water heater. O. Fox. 1,629,658; May 24.
Water heater. F. Soto. 1,629,844; May 24.
Water, Rotating endless screen belt for the mechanical purification of. E. Geiger. 1,629,572; May 24.
Water still. E. V. Oliver. 1,629,807; May 24.
Watering tank, Stock-. F. E. Pierson. 1,629,883; May 24.
Weather strip. A. C. Schnake. 1,629,842; May 24.
Weed-destroying composition. H. E. Hughes. 1,629,819; May 24.
Welding and article produced thereby. W. Dishong. 1,629,656; May 24.
Wheel: *See*—
Resilient wheel.
Road tired wheel.
Tractor wheel.
Vehicle wheel.
Wheel-making machine. H. Flick. 1,629,692; May 24.
Wheels, Manufacturing wire. J. G. Swain. 1,630,226; May 24.
Windmills, Pumping mechanism for. O. E. McCaskill. 1,630,092; May 24.
Windshield wiper. W. C. Poole. 1,629,734; May 24.
Windshields, Window attachment for. E. T. Norbeck. 1,630,208; May 24.
Wire-cutting machine. E. F. Shuster. 1,629,643; May 24.
Wire, Method and apparatus for drawing. F. H. Nullmeyer. 1,629,524; May 24.
Wireless telephony. W. T. Ditcham. 1,629,685; May 24.
Wrapping machine. E. Stern. 1,629,934; May 24.
Wrench: *See*—
Double wrench.
Wringer. W. Robertson. 1,629,736; May 24.
Wringer roll. G. R. Keltie. 1,630,086; May 24.
X-ray apparatus. C. E. Campbell. 1,629,950; May 24.
X-ray apparatus. P. A. Isherwood. 1,630,181; May 24.

CLASSIFICATION OF PATENTS

ISSUED MAY 24, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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392: 1,629,675
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123— 15: 1,629,580
25: 1,630,242
33: 1,629,633
51: 1,629,878
52: 1,629,500
55: R.16,630
123— 55: 1,629,664
58: 1,629,686
65: 1,629,535
75: 1,629,795
81: 1,630,245
97: 1,629,530
123: 1,629,898
174: 1,630,068
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185: 1,629,469
196: 1,629,695
124— 15.5: 1,629,794
126— 39: 1,630,030
92: 1,630,109
99: 1,629,586
105: 1,630,024
167: 1,629,629
285: 1,629,689
1,629,809
128— 35: 1,630,115
57: 1,630,149
85: 1,630,108
136: 1,629,892
146: 1,630,209
227: 1,629,723
259: 1,629,626
305: 1,630,239
346: 1,630,031
131— 10: 1,630,243
37: 1,630,132
51: R. 16,628
132— 32: 1,629,567
45: 1,629,741
73: 1,629,967
78.5: 1,629,772
83: 1,629,966
134— 1: 1,630,101
79: 1,629,999
136— 176: 1,629,636
137— 21: 1,629,627
104: 1,629,545
1,629,914
110— 40: 1,630,220
111: 1,629,668
139: 1,629,637
1,629,957
139— 18: 1,629,896
124: 1,629,952
291: 1,629,849
309: 1,629,850
140— 119: 1,629,800
140: 1,629,643
141— 6: 1,629,486
142— 3: 1,629,691
144— 2: 1,629,595
134: 1,630,173
136: 1,629,742
230: 1,629,760
242: 1,629,977
250: 1,629,642
146— 3: 1,630,186
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201: 1,660,136
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151— 13: 1,629,726
27: 1,629,503
152— 12: 1,629,901
1,629,972
14: 1,630,006
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16: 1,629,786
36: 1,629,715
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153— 1.5: 1,629,694
40: 1,629,751
1,630,064
54: 1,629,759
154— 14: 1,629,517
26: 1,630,085
30: 1,629,743
31: 1,629,511
41: 1,629,473
43: 1,629,931
155— 10: 1,629,834
52: 1,629,939
55: 1,629,630
156— 17: 1,630,114
156— 24: 1,629,820
157— 1: 1,629,602
158— 33: 1,629,628
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42.3: 1,629,542
53: 1,630,184
56: 1,629,774
1,630,139
162— 1: 1,629,712
164— 19: 1,629,870
61: 1,629,830
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166— 14: 1,629,749
167— 6: 1,629,528
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169— 37: 1,629,490
171— 209: 1,629,575
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356: 1,629,836
369: 1,629,645
176— 16: 1,630,128
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179— 2: 1,629,491
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27: R. 16,637
27.5: 1,629,646
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119: 1,630,119
149: R. 16,635
171: 1,630,118
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65.5: 1,629,665
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181— 27: 1,629,869
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81: 1,630,011
184— 4: 1,630,092
188— 78: 1,629,746
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192— 3: R. 16,632
29: 1,630,18$_3$

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199— 41: 1,629,889
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62: 1,630,094
64: 1,630,175
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57: 1,630,081
59: 1,629,497
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88: 1,629,640
97: 1,629,756
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139: 1,629,710
159: 1,629,896
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201— 55: 1,629,523
57: 1,630,176
203— 5: 1,629,807
204— 1: 1,630,224
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65: 1,629,995
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209— 144: 1,629,594
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165: 1,630,223
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211— 8: 1,629,536
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212— 144: 1,629,592
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36: 1,629,508
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215— 38: 1,629,998
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51: 1,630,179
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217— 54: 1,630,163
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37: 1,629,744
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81: R. 16,629
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94: 1,629,905
221— 114: 1,630,203
144: R. 16,633
146: 1,629,673
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224— 2: 1,629,700
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1,629,777
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225— 26: 1,629,821
226— 80: 1,629,590
82: 1,630,215
228— 3: 1,629,541
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78: 1,629,788
230— 27: 1,630,150
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32: 1,629,927
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124: 1,630,058
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244— 2: 1,629,978
3: 1,629,843
21: 1,630,211
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248— 22: 1,629,576
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253— 69: 1,630,151
255— 25: 1,629,650
52: 1,630,205
53: 1,629,745
63: 1,629,581
256— 24: 1,629,719
57: 1,629,663
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259— 75: 1,629,761
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69: 1,629,906
109: 1,629,894
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263— 33: 1,630,044
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265— 11: 1,630,067
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266— 1: 1,630,088
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268— 63: 1,630,127
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271— 59: 1,629,477
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273— 33: 1,629,961
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283— 1: 1,629,601
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57: 1,630,095
285— 24: 1,629,578
286— 7: 1,630,012
287— 119: 1,629,674
289— 10: 1,629,610
292— 40: 1,630,153
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174: 1,630,093
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226: 1,629,614
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293— 55: 1,629,509
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1,629,806
294— 11: 1,630,013
72: 1,629,912
295— 42: 1,630,219
296— 35: 1,630,145
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297— 10: 1,629,757
299— 12: 1,630,206
300— 1: 1,630,187
301— 9: 1,629,903
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41: 1,629,814
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52: 1,630,025
303— 18: 1,630,234
54: 1,629,997
304— 1: 1,629,718
1,630,191
305— 10: 1,629,768
1,630,089
308— 11: 1,629,918
39: 1,629,865
65: 1,630,026
161: 1,630,075
208: 1,629,690
217: 1,629,600

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May 31, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. D. C. Aircraft Limited, London, England. Aircraft engines. 228,392; May 31; Serial No. 241,849; published Mar. 22, 1927.

Abelman, Max, doing business as M. Abelman Co., Boston, Mass. Paints, colors in oil, varnishes, and prepared shellacs. 228,298; May 31; Serial No. 235,769; published Mar. 22, 1927.

Afactor With You Furniture Co. (See Goldberg, Michael.)

Alaska Consolidated Canneries, Inc., Seattle, Wash. Canned salmon. 228,490; May 31.

Allcock, S., & Company, Limited, Redditch, England. Artificial flies, gut hooks, and gut lines. 228,285; May 31; Serial No. 230,811; published Mar. 22, 1927.

Allcock, S., & Company, Limited, Redditch, England. Casting fishing lines. 228,286; May 31; Serial No. 230,812; published Mar. 22, 1927.

Allcock, S., & Company, Limited, Redditch, England. Gut casting fishing lines. 228,287; May 31; Serial No. 230,813; published Mar. 22, 1927.

Allen Business Papers Inc., New York, N. Y. Newspaper section. 228,441; May 31; Serial No. 244,039; published Mar. 22, 1927.

American Bakers' Publishing Company, New York, N. Y. Publication. 228,446; May 31; Serial No. 244,646; published Mar. 22, 1927.

American Chicle Company, Long Island City, N. Y. Chewing gum. 228,292; May 31; Serial No. 232,308; published Mar. 22, 1927.

American Laundry Machinery Co., The, Norwood Station, Cincinnati, Ohio. Washing machines. 228,402; May 31; Serial No. 242,270; published Mar. 22, 1927.

American News Company, Inc., The, New York, N. Y. Magazines, books, and periodicals. 228,445; May 31; Serial No. 243,575; published Mar. 22, 1927.

American Nickeloid Company, Peru, Ill. Sheet metals made of zinc, copper, or the like plated with nickel. 228,493; May 31.

American Solvents & Chemical Corporation, New York, N. Y. Combined alcohol meters and indicators, hydrometers, etc. 228,443; May 31; Serial No. 243,521; published Mar. 22, 1927.

American Stove Company, Jersey City, N. J., and St. Louis, Mo.; to American Stove Company, St. Louis, Mo. Gas, oil, and vapor stoves, burners, and ovens. 62,215; renewed Apr. 28, 1927.

Avanzino, L. & Bro. Inc., Boston, Mass. Canned fish. 228,369; May 31; Serial No. 241,466; published Mar. 22, 1927.

Avon Sole Company, Holbrook, Mass. Shoe soles. 228,460; May 31; Serial No. 242,979; published Mar. 22, 1927.

Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Dyestuff. 63,161–2; renewed June 11, 1927.

Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemicals used in reducing, discharging, and bleaching. 63,256; renewed June 11, 1927.

Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Dyestuff. 63,257; renewed June 11, 1927.

Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Dyestuff and chemicals used in reducing, discharging, and bleaching. 63,258; renewed June 11, 1927.

Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemicals. 63,303; renewed June 11, 1927.

Baltimore Paint and Color Works, Baltimore, Md. Paints and varnishes. 228,301; May 31; Serial No. 241,556; published Mar. 22, 1927.

Banta, George, Publishing Company, Menasha, Wis. Magazines and books. 228,359; May 31; Serial No. 243,190; published Mar. 22, 1927.

Bassick Manufacturing Company, The, Chicago, Ill. Filters for filtering fuel for use in internal-combustion engines. 228,319; May 31; Serial No. 225,341; published Mar. 22, 1927.

Bayley, Thomas, & Company Limited, Nottingham, England. All kinds of leather. 59,502; renewed Jan. 8, 1927.

Bents Engineering Corporation, Newark, N. J. Leather-conditioning cabinets. 228,347; May 31; Serial No. 238,766; published Mar. 22, 1927.

Billings, Elmer E., doing business as Zinko Ointment Company, Barberton, Ohio. Medicinal salve. 228,406; May 31; Serial No. 242,460; published Mar. 22, 1927.

Biehara, Michael S., Niagara Falls, N. Y. Cigars. 228,457; May 31; Serial No. 243,684; published Mar. 22, 1927.

Bliss Laboratories, Inc., The, New York, N. Y. Hair tonic, face powder, astringent remedies, etc. 228,487; May 31.

Bonney-Floyd Co., The, Columbus, Ohio. Steel castings. 228,456; May 31; Serial No. 243,843; published Mar. 22, 1927.

Boyer & Company, to William F. Boyer, doing business as Boyer & Company, Philadelphia, Pa., successor. Shoe polish and shoe blacking. 63,485–86; renewed June 25, 1927.

Braden Company, The, Tulsa, Okla. Winches and parts thereof. 228,316; May 31; Serial No. 220,991; published Mar. 22, 1927.

Breinig Brothers, Inc., Hoboken, N. J. Enamel paints. 228,450; May 31; Serial No. 244,130; published Mar. 22, 1927.

Bristol Company, The, Waterbury, Conn. Metallic fasteners for belts. 63,487; renewed June 25, 1927.

Buzza Company, The, Minneapolis, Minn. Wall calendars and printed calendars. 228,272; May 31; Serial No. 227,507; published Mar. 22, 1927.

Campbell, Wm., Wall Paper Company, Hackensack, N. J. Wall coverings of coated paper in sheet form. 228,337; May 31; Serial No. 243,346; published Mar. 22, 1927.

Capstan Glass Company, Connellsville, Pa. Tumblers, glasses, glass bottles, glass jars, etc. 228,353; May 31; Serial No. 239,918; published Mar. 22, 1927.

Caricari, Charles A., doing business as The Phoenix Candy Company, New York, N. Y. Candy. 228,322; May 31; Serial No. 227,057; published Mar. 22, 1927.

Carpenter, Veletta L., Los Angeles, Calif. Carburetors. 228,289; May 31; Serial No. 231,365; published July 20, 1926.

Casey-Foster Co., The, Boston, Mass. Garbage receivers, ash cans, cake and bread boxes, etc. 228,290; May 31; Serial No. 235,999; published Mar. 22, 1927.

Cellas', Inc., also doing business as Labrocel Packing Co., Inc., New York, N. Y. Canned fillets of anchovies in olive oil. 228,495; May 31.

Ceramics Publishing Co., Inc., The, Newark, N. J. Publication. 228,442; May 31; Serial No. 243,996; published Mar. 22, 1927.

Chemical Foundation, Incorporated, The. (See Badische Anilin & Soda Fabrik, assignor.)

Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignor.)

Chemical Foundation, Incorporated, The. (See Merck, firm of E., The, assignor.)

Chemical Foundation, Incorporated, The. (See Scheller, Ernst, assignor.)

Chemical Foundation, Incorporated, The. (See Tiemann, Johann C. W. F., assignor.)

Chemische Fabrik Stockhausen & Cie., Krefeld, Germany. Glycerin, bleaching composition, sizing and finishing materials, etc. 228,275; May 31; Serial No. 228,175; published Mar. 22, 1927.

Chicago Boiler Company, Chicago, Ill. Storage tanks for oil and water. 228,483; May 31.

Chopak Textile Co., Inc., New York, N. Y. Artificial-silk, silk, and cotton piece goods and combinations thereof, etc. 228,309; May 31; Serial No. 175,236; published Mar. 15, 1927.

Churchill and Alden Company, Brockton, Mass. Boots and shoes. 228,416; May 31; Serial No. 238,487; published Mar. 8, 1927.

Clark, W. G., Co., Inc., North Attleboro, Mass. Vapor cigar lighters. 228,482; May 31.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, overcoats, dusters, etc. 228,314; May 31; Serial No. 218,471; published Sept. 29, 1925.

Colman, J. & J., Limited, Norwich and London, England. Rice starch. 30,713; renewed Oct. 19, 1927.

Columbus Manufacturing Company, Columbus, Ga. Cotton sheetings. 228,293–94; May 31; Serial No. 233,111–12; published Mar. 22, 1927.

Commercial Reporter, The, New York, N. Y. Monthly publication. 228,279; May 31; Serial No. 237,655; published Mar. 22, 1927.

Construction Supplies Company of America, New York, N. Y. Paper and stationery—namely, paper towels and toilet paper. 228,350; May 31; Serial No. 239,237; published Mar. 22, 1927.

Container Corporation of America, Chicago, Ill. Fiberboard and corrugated-board boxes or shipping containers. 228,345; May 31; Serial No. 238,305; published Mar. 22, 1927.

Continental Drug Corporation, St. Louis, Mo. Beef, iron, and wine; lime water, milk of magnesia, mineral oil, etc. 228,473; May 31; Serial No. 228,285; published Mar. 22, 1927.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roof paint. 228,451; May 31; Serial No. 244,049; published Mar. 22, 1927.

Converse, Frederick L., doing business as The Tri-Po Products Co., Woodlynne, N. J. Cleaning preparations for fabrics, utensils, and the skin. 228,376; May 31; Serial No. 242,658; published Mar. 22, 1927.
Converse Tire and Rubber Company, Malden, Mass. Automobile tires and tubes therefor. 228,389–90; May 31; Serial Nos. 243,140–1; published Mar. 22, 1927.
Cooper Corp., The, Cincinnati, Ohio. Pneumatic-tire cases and tubes therefor. 228,484; May 31.
Cornhusker Food Products Co. (See Lincoln Coffee & Spice Mills).
Crandall Pierce & Company, Chicago, Ill. Publication. 228,467; May 31; Serial No. 243,419; published Mar. 22, 1927.
Crompton, James R., & Brothers, Limited, Elton Paper Mills, Bury, England. Grass-bleached tissue paper. 63,679; renewed July 2, 1927.
Crompton, James R., & Brothers, Limited, Elton Paper Mills, Bury, England. Tissue Paper. 63,710; renewed July 2, 1927.
Crompton, James R., & Brothers, Limited, Elton Paper Mills, Bury, England. Paper. 64,014; renewed July 16, 1927.
Crusellas Rhum Quinquina Co., Inc., New York, N. Y. Bay rum. 228,325; May 31; Serial No. 241,697; published Mar. 22, 1927.
Curtiss Candy Company, The, Chicago, Ill. Candy and candy bars. 228,437; May 31; Serial No. 238,050; published Mar. 22, 1927.
Davies Products, Incorporated, St. Paul, Minn. Varnish-like finish for wood and cut surfaces. 228,380–1; May 31; Serial Nos. 242,780–1; published Mar. 15, 1927.
Davison-Paxon-Stokes Co., Atlanta, Ga. Hosiery. 228,418; May 31; Serial No. 239,241; published Mar. 22, 1927.
Dayton Toy & Specialty Company, The, Dayton, Ohio. Toys. 228,382; May 31; Serial No. 242,822; published Mar. 22, 1927.
Da-Z Mfg. Co. (See Rumpf, Gustav A.)
Diehl, Albert M., doing business as The Diehl Steel Co., Cincinnati, Ohio. Tool steel. 228,403; May 31; Serial No. 242,284; published Mar. 15, 1927.
Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Machinery castings and forgings. 228,394; May 31; Serial No. 241,938; published Mar. 22, 1927.
Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Road vehicles, boats, ships, motor cars, bicycles, etc. 228,395; May 31; Serial No. 241,939; published Mar. 22, 1927.
Eagle-Picher Lead Company, The. (See Picher Lead Company, assignor).
Eagle-Picher Lead Company, The, Chicago, Ill. Antimonial lead, pig lead, spelter, solder, babbitt, and trap lead. 228,329; May 31; Serial No. 241,142; published Mar. 22, 1927.
Eagle-Picher Lead Company, The, Chicago, Ill. White lead, blue lead, red lead, litharge, etc. 228,361; May 31; Serial No. 241,144; published Mar. 22, 1927.
Eagle-Picher Lead Company, The, Chicago, Ill. Lead, litharge, lithopone, etc. 228,363–4; May 31; Serial Nos. 241,145–6; published Mar. 22, 1927.
Eesley, J. F., Milling Company, Plainwell, Mich. Pancake flour, Graham flour, etc. 228,328; May 31; Serial No. 240,599; published Jan. 4, 1927.
Enterprise Manufacturing Company, The, Akron, Ohio. Spoons for artificial fish bait. 228,488–9; May 31.
Epicol Products Company, Minneapolis, Minn. Medicinal preparation. 228,344; May 31; Serial No. 243,482; published Mar. 22, 1927.
Erdle and Prange, New York, N. Y. Dentures and denture parts. 228,470; May 31; Serial No. 243,647; published Mar. 15, 1927.
Escondido Citrus Union, Escondido, Calif. Fresh citrous fruits. 228,302; May 31; Serial No. 240,175; published Mar. 15, 1927.
F-R Publishing Corporation, New York, N. Y. Nom de plume for magazine articles. 228,366; May 31; Serial No. 241,212; published Mar. 22, 1927.
Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Astringent and hemostatic. 62,996; renewed June 4, 1927.
Feibusch, M., San Francisco, Calif. 228,436; May 31; Serial No. 236,313; published Oct. 26, 1926.
Fellinger Corporation, New York, N. Y. Gas-shut-off valves. 228,449; May 31; Serial No. 244,147; published Mar. 22, 1927.
Fertilizer Sales Ltd., London, England. Fertilizers. 228,340; May 31; Serial No. 243,433; published Mar. 22, 1927.
Finch and Hisey, Wayne, Mich. Tables. 228,296; May 31; Serial No. 234,204; published Mar. 22, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Rubber cement. 228,330; May 31; Serial No. 243,147; published Mar. 15, 1927.
Florio & C. Società Anonima Vinicola Italiana, Torino, Italy. Tonic for general debility. 228,274; May 31; Serial No. 228,100; published Mar. 22, 1927.
Fowler, Ezra, doing business as Fowler & Company, Dallas, Tex. Cereal breakfast foods. 228,393; May 31; Serial No. 241,882; published Mar. 15, 1927.
Furiati, Biagio A., Brooklyn, N. Y. Apparatus for clamping meat. 228,448; May 31; Serial No. 244,225; published Mar. 22, 1927.
Garden City Laboratory, Chicago, Ill. Soldering flux. 228,333; May 31; Serial No. 243,264; published Mar. 22, 1927.
General Citrus Corporation, Los Angeles, Calif. Nonalcoholic, maltless beverage. 228,348; May 31; Serial No. 239,100; published Mar. 22, 1927.
Gilbert, A. C., Company, The. (See Richter, Friedrich A., assignor.)
Gillette Autoparts Co., Inc., South Hanover, Mass. Brake linings. 228,486; May 31.
Ginsberg, Max I., doing business as Los Angeles Saratoga Chip Co., Los Angeles, Calif. Shoe-string potatoes. 228,444; May 31; Serial No. 243,540; published Mar. 22, 1927.
Gladiator Co., Inc., The, New York, N. Y. Hair preparation and tonic to nourish the scalp, relieve dandruff, etc. 228,354; May 31; Serial No. 239,980; published Mar. 22, 1927.
Goldberg, Michael, doing business as Afactor With You Furniture Co., Philadelphia, Pa. China closets, buffets, serving tables, beds, dressers, etc. 228,312; May 31; Serial No. 206,616; published Mar. 22, 1927.
Graham & Zenger, Inc., New York, N. Y. Glassware. 228,291; May 31; Serial No. 231,999; published Mar. 22, 1927.
Grocers Baking Company, Louisville, Ky. Bread. 228,494; May 31.
Gross, David J., New York, N. Y. Middies, middy blouses, smocks, and dresses. 228,412; May 31; Serial No. 233,731; published Mar. 22, 1927.
Gro-Wer Plant Food Company, The. (See Leidy, Frank, jr.)
Half Size Dress Co., New York, N. Y. Gowns, frocks, and dresses. 228,417; May 31; Serial No. 238,966; published Mar. 22, 1927.
Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 228,465; May 31; Serial No. 243,208; published Mar. 22, 1927.
Hays Manufacturing Company, Erie, Pa. Ground key work, flat-way cocks, flat-way stopcocks, etc. 228,399; May 31; Serial No. 242,184; published Mar. 22, 1927.
Heller, H., & Co., New York, N. Y. Ladies' dresses, coats, and cloaks. 228,469; May 31; Serial No. 243,651; published Mar. 22, 1927.
Heller, Herman, doing business as Re-Du-Sol Co., Los Angeles, Calif. Breath pellets. 228,397; May 31; Serial No. 242,128; published Mar. 22, 1927.
Hengerer, William, Company, The, Buffalo, N. Y. Women's hats. 228,424; May 31; Serial No. 242,195; published Mar. 22, 1927.
Henschel, Fred S., doing business as Henschel & Company, Chicago, Ill. Doorchecks. 228,334; May 31; Serial No. 243,269; published Mar. 22, 1927.
Heusch, Hugo, & Cie. G. m. b. H., Aachen, Germany. Sewing needles, pins, hairpins, etc. 228,420; May 31; Serial No. 240,414; published Mar. 22, 1927.
Hickman & Coward, Buffalo, N. Y. Butter and eggs. 228,320; May 31; Serial No. 225,360; published Mar. 15, 1927.
Homan, John G., doing business as The New Science Institute, Steubenville, Ohio. Appliances for retaining supporting pads and trusses in position. 228,427; May 31; Serial No. 243,760; published Mar. 15, 1927.
Hopkinsville Milling Co., Hopkinsville, Ky. Wheat flour. 228,367; May 31; Serial No. 241,282; published Mar. 15, 1927.
Horigan, Joseph A., doing business as Horigan Manufacturing Company, Kansas City, Mo. Medicine. 228,391; May 31; Serial No. 243,157; published Mar. 22, 1927.
Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 228,338; May 31; Serial No. 243,364; published Mar. 22, 1927.
Houghton, W. D., & Company Limited, Warrington, England. Steel wire. 228,297; May 31; Serial No. 235,697; published Mar. 22 1927.
Hoyland Flour Mill Company, Kansas City, Mo. Cereal breakfast food. 228,401; May 31; Serial No. 242,232; published Mar. 15, 1927.
Huckins & Temple, Inc., Milford, Mass. Boots and shoes. 228,463; May 31; Serial No. 243,093; published Mar. 22, 1927.
Hurt, Helen J., New York, N. Y. Chemical solutions. 228,276; May 31; Serial No. 237,269; published Nov. 16, 1926.
I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany. Compositions for sizing, stiffening, and finishing thread, yarns, and other textile materials. 228,362; May 31; Serial No. 241,206; published Mar. 22, 1927.
Impervia Co, Inc. (See Steck, Frederick A., assignor.)
Independent Oil and Gas Company, Tulsa, Okla. Gasoline, kerosene, lubricating greases, etc. 228,318; May 31; Serial No. 224,661; published Sept. 21, 1926.
Insana, Raffaele, doing business as R. Insana Co., Long Island City, N. Y. Medicine for rheumatism. 228,370; May 31; Serial No. 241,484; published Mar. 22, 1927.
International Oxygen Company, Newark, N. J. Fuel gas compressed in steel cylinders for the welding and cutting of metals, etc. 228,414; May 31; Serial No. 236,552; published Jan. 11, 1927.
International Salt Company, Inc., New York, N. Y. Salt. 228,303; May 31; Serial No. 240,416; published Mar. 1, 1927.

Iris Knitting Corporation, Pottstown, Pa. Cotton and silk textile underwear. 228,415; May 31; Serial No. 236,938; published Feb. 22, 1927.
Italian Cigar Company (See Rigano, Letterio.)
Jelke, John F., Company, Chicago, Ill. Butterine and oleomargarine. 65,699; renewed Oct. 15, 1927.
Jill Brothers, Weslaco, Tex. Vegetables. 227,273; May 31; Serial No. 227,746; published Mar. 22, 1927.
Junior Candy Company, Milwaukee, Wis. Candy. 228,340; May 31; Serial No. 239,115; published Mar. 22, 1927.
K-K Solder Company, Seattle, Wash. Cold solder. 228,396; May 31; Serial No. 242 006; published Mar. 15, 1927.
Kaeppel, J., Minneapolis, Minn. Paint. 228,485; May 31.
Kansas Milling Company, The, Witchita, Kans. Wheat flour. 65,390–400; renewed Sept. 24, 1927.
Kansas Milling Company, The, Wichita, Kans. Wheat flour. 228,360; May 31; Serial No. 243,217; published Mar. 15, 1927.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. 228,331; May 31; Serial No. 243,160; published Mar. 22, 1927.
King, H. H., Flour Mills Company. (See Sheffield King Milling Co., assignor.)
Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. 228,474; May 31; Serial No. 223,789; published Jan. 12, 1926.
Klemm, C. W., Incorporated, Bloomington, Ill. Overalls, jackets, pants, and work shirts. 228,471; May 31; Serial No. 202,019; published Mar. 22, 1927.
Kohr, Elton D., York, Pa. Custard. 228,478; May 31.
Kotex Company, Chicago, Ill. Sanitary napkins. 228,428; May 31; Serial No. 243,764; published Mar. 15, 1927.
Kramer Bros. & Greenspan, Inc., New York, N. Y. Silk piece goods. 228,454; May 31; Serial No. 243,955; published Mar. 22, 1927.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Varnish, japan, filler, and prepared shellac. 228,326; May 31; Serial No. 241,731; published Mar. 15, 1927.
Labrocel Packing Co., Inc. (See Cellas', Inc.)
Leggett, Francis H., & Company, New York, N. Y. Canned sauerkraut juice. 228,405; May 31; Serial No. 242,377; published Mar. 22, 1927.
Leidy, Frank, jr., doing business as The Gro-Wer Plant Food Company, Westminster, Md. Plant food. 228,491; May 31.
Leisy Brewing Co., The, Peoria, Ill. Lager beer. 30,737; renewed Oct. 26, 1927.
Lemur, S., Company, The, Cleveland, Ohio. Permanent hair-waving machines and equipment for permanent-hair-waving machines. 228,477; May 31; Serial No. 241,827; published Mar. 22, 1927.
Leonardi, Sydney B., Tampa, Fla., assignor to S. B. Leonardi & Co. Inc., New Rochelle, N. Y. Medicine. 64,645; renewed Aug. 13, 1927.
Lily Foundry Company, Los Angeles, Calif. Plumbers' and steam-fitters' supplies. 228,439; May 31; Serial No. 236,215; published Mar. 22, 1927.
Lincoln Coffee & Spice Mills, doing business as Cornhusker Food Products Co., Lincoln, Nebr. Coffee, spices, food-flavoring extracts, salad dressing, etc. 228,317; May 31; Serial No. 222,619; published Feb. 1, 1927.
Lipow Bros. Fruit Co., Phoenix, Ariz. Citrus fruits. 228,341; May 31; Serial No. 243,442; published Mar. 22, 1927.
Los Angeles Saratoga Chip Co. (See Ginsberg, Max I.)
Love Romances Pub. Co., Inc., New York, N. Y. Magazine. 228,440; May 31; Serial No. 244,233; published Mar. 22, 1927.
Madeleine Vionnet et Cie., Paris, France. Perfumes, perfumed talcum, sachet, face powder, etc. 228,438; May 31; Serial No. 236,242; published Mar. 22, 1927.
Makin Heating Company, The, Philadelphia, Pa. Hot-water generators, warm-air circulators, etc. 228,372; May 31; Serial No. 242,543; published Mar. 22, 1927.
Malden Knitting Mills, Malden, Mass. Sweaters and bathing suits. 228,468; May 31; Serial No. 243,444; published Mar. 22, 1927.
McEwen, Irving, Omaha, Nebr. Soaps. 228,461; May 31; Serial No. 243,009; published Mar. 22, 1927.
Medical Life Press, The. (See Robinson, Victor.)
Merchants Coffee Co., assignor, by mesne assignments, to The Merchants' Coffee Company, Baltimore, Md. Coffee. 64,745; renewed Aug. 20, 1927.
Merck, Firm of E., The, Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemicals acting as intestinal astringents and antiseptics. 30,140; renewed June 8, 1927.
Metz, H. A., Laboratories, Inc., New York, N. Y. Remedies against fever, rheumatism, and neuralgia. 227,308; May 31; Serial No. 174,177; published Jan. 22, 1924.
Midwest Varnish Company, Chicago, Ill. Paints, varnishes, and auto enamels. 228,374; May 31; Serial No. 242,602; published Mar. 22, 1927.
Mills Corset Company, Worcester, Mass. Corsets. 228,310; May 31; Serial No. 199,380; published Feb. 1, 1927.
Mirenta, A., & Co., Incorporated, Tacoma, Wash. Deodorant. 228,388; May 31; Serial No. 243,126; published Mar. 22, 1927.
Mixer, Chas. W., Hastings, Mich. Remedy for certain diseases. 64,486; renewed Aug. 6, 1927.
Moss, Frank A., Boston, Mass. Potatoes, onions, turnips, and apples. 228,476; May 31; Serial No. 223,534; published Jan. 11, 1927.
Mott, Carlin P., doing business as Mott Chemical Products, Detroit, Mich. Skin lotion. 228,385; May 31; Serial No. 243,104; published Mar. 22, 1927.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 228,432; May 31; Serial No. 243,963; published Mar. 22, 1927.
NEA Service, Inc., Cleveland, Ohio. Story strip. 228,453; May 31; Serial No. 243,962; published Mar. 22, 1927.
"Nervodo" Aktiengesellschaft, Zurich, Switzerland. Medical remedy and pharmaceutical preparation. 228,434; May 31; Serial No. 236,899; published Mar. 22, 1927.
Neurath, Jakob, Vienna, Austria. Bearing metals. 228,409; May 31; Serial No. 242,489; published Mar. 15, 1927.
New Science Institute, The. (See Homan, John G.)
Nokrode Company, Galveston, Tex. Adhesive coating for metal. 228,458; May 31; Serial No. 243,660; published Mar. 15, 1927.
Novelty Knitting Co., Albany, to Novelty Knitting Company, Cohoes, N. Y. Knitted goods. 65,567; renewed Oct. 8, 1927.
Ohio Malt Products Company, Toledo, Ohio. Malt extracts, beverages, and sirups. 228,283; May 31; Serial No. 230,406; published Mar. 22, 1927.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 228,447; May 31; Serial No. 244,315; published Mar. 22, 1927.
Pabst Corporation, Milwaukee, Wis. Malt beverage. 228,282; May 31; Serial No. 230,115; published Sept. 7, 1926.
Pabst Corporation, Milwaukee, Wis. Malt beverage. 228,411; May 31; Serial No. 231,338; published Sept. 7, 1926.
Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 228,466; May 31; Serial No. 243,322; published Mar. 15, 1927.
Patek Brothers, Inc., Milwaukee, Wis. Varnish. 228,452; May 31; Serial No. 243,964; published Mar. 22, 1927.
Patterson, M. F., Dental Supply Company, St. Paul, Minn. Denture material. 228,335; May 31; Serial No. 243,284; published Mar. 22, 1927.
Pease, Clarke D., Inc., New York, N. Y. Automobiles, automobile chassis, and constructive parts thereof, and carrosseries. 228,278; May 31; Serial No. 237,511; published Mar. 22, 1927.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical for cleaning drains and sinks. 228,373; May 31; Serial No. 242,547; published Mar. 22, 1927.
Phoenix Candy Company, The. (See Carlearl, Charles A.)
Picher Lead Company, Joplin, Mo., assignor to The Eagle-Picher Lead Company, Chicago, Ill. Lead pigments. 63,339; renewed June 18, 1927.
Picher Lead Company, Joplin, Mo., assignor to The Eagle-Picher Lead Company, Chicago, Ill. White pigment. 64,042; renewed July 23, 1927.
Picot Company, The. (See Valldejull, Manuel S.)
Pruner, Charles D., Exeter, Calif. Fresh grapes, plums, and peaches. 228,327; May 31; Serial No. 241,744; published Mar. 22, 1927.
Publicker Inc., Philadelphia, Pa. Alcohol preparation for external use. 228,384; May 31; Serial No. 243,015; published Mar. 22, 1927.
Pyramid Packing Company, Sitka, Alaska. Canned fish. 228,321; May 31; Serial No. 226,867; published Apr. 6, 1926.
Ramsey, James C., Roswell, N. Mex. Friction fire starter for use by boy scouts, campers, and tourists. 228,410; May 31; Serial No. 242,500; published Mar. 22, 1927.
Rand McNally and Company, Chicago, Ill. Publication. 228,371; May 31; Serial No. 242,502; published Mar. 22, 1927.
Ratigan, J. P., Los Angeles, Calif. Oil-well equipment. 228,479; May 31.
Raynor & Perkins Envelope Company, New York, N. Y. Paper for writing and printing purposes and envelopes. 228,377; May 31; Serial No. 242,748; published Mar. 22, 1927.
Raynor & Perkins Envelope Company, New York, N. Y. Paper for writing and printing purposes and envelopes. 228,378–9; May 31; Serial No. 242,749–50; published Mar. 22, 1927.
Rea-Patterson Milling Company, The, Coffeyville, Kans. Wheat flour. 228,386; May 31; Serial No. 243,113; published Mar. 15, 1927.
Redner, James A., doing business as Zulu Blow Gun Company, Battle Creek, Mich. Blow-gun target games. 228,400; May 31; Serial No. 242,211; published Mar. 22, 1927.
Re-Du-Sol Co. (See Heller, Herman.)
Reif Brothers, assignor to Reif-Rexoil Inc., Buffalo, N. Y. Oil-burning apparatus. 228,355; May 31; Serial No. 240,004; published Mar. 22, 1927.
Reiff & Nestor Company, Lykens, Pa. Tools for reconditioning threads of bolts, axles, hubs, etc. 228,387; May 31; Serial No. 243,115; published Mar. 22, 1927.
Rice-Stix Dry Goods Company, St. Louis, Mo. Women's textile-fabric underwear. 228,277; May 31; Serial No. 237,387; published Mar. 15, 1927.

Rich, M., & Bros. Co., Atlanta, Ga. Ladies' and children's outer clothing. 228,472; May 31; Serial No. 218,372; published Feb. 8, 1927.

Richter, Friedrich A., Rudolstadt, Germany, New York, N. Y.; assignor to The A. C. Gilbert Company, New Haven, Conn. Mosaic games. 65,684; renewed Oct. 15, 1927.

Rigano, Letterio, doing business as Italian Cigar Company, Boston, Mass. Cigars. 228,352; May 31; Serial No. 239,824; published Feb. 8, 1927.

Robinson, Victor, doing business as The Medical Life Press, New York, N. Y. Monthly publication. 228,356; May 31; Serial No. 243,171; published Mar. 22, 1927.

Ross, Howard L., New York, N. Y. Cream rouge. 228,342; May 31; Serial No. 243,457; published Mar. 22, 1927.

Roth, John C., Packing Co., The, Cincinnati, Ohio. Lard. 62,185; renewed Apr. 23, 1927.

Rumex Remedy Company. (See Smith, Norman M.)

Rumpf, Gustav A., doing business as Da-Z Mfg. Co., Jenkintown, Pa. Liquid polish for cleaning and polishing. 228,365; May 31; Serial No. 241,185; published Mar. 15, 1927.

Saco-Lowell Shops, Newton Upper Falls, Mass. Textile machinery and parts thereof. 228,481; May 31.

Satisfaction Coffee Co., Pittsburgh, Pa. Coffee. 228,281; May 31; Serial No. 229,827; published May 18, 1926.

Scandinavia Belting Company, The, Newark, N. J. Transmission and brake lining. 228,357; May 31; Serial No. 243,173; published Mar. 22, 1927.

Scheffler, Ernst, Zwota, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Raw catgut and sewing silk for surgical purposes. 63,539; renewed June 20, 1927.

Schlunderberg, Wm.,-T. J. Kurdle Co., The, Baltimore, Md. Lards, creamery butter, etc. 228,307; May 31; Serial No. 166,270; published Mar. 15, 1927.

Schroder, J. Henry, Banking Corporation, New York, N. Y. Financial publication. 228,323; May 31; Serial No. 241,636; published Mar. 22, 1927.

Schroder, J. Henry, Banking Corporation, New York, N. Y. Publication. 228,324; May 31; Serial No. 241,638; published Mar. 29, 1927.

Schumann, Charles, Hunter, N. Y. Medical preparations for the treatment of digestive ailments. 228,284; May 31; Serial No. 230,686; published Feb. 8, 1927.

Schumann Piano Company, Incorporated, Rockford, Ill. Pianos. 64,245; renewed July 30, 1927.

Sears, Roebuck and Co., Chicago, Ill. Sanitary napkins. 228,339; May 31; Serial No. 243,390; published Mar. 22, 1927.

Sedlmayr, Gabriel, Brauerei zum Spaten., assignor to Gabriel und Jos. Sedlmayr Spaten-Franziskaner-Leistbrau A.-G. Munchen, Munich, Germany. Beer. 62,869–70; renewed May 28, 1927.

Seeman Brothers Inc., New York, N. Y. Raspberry sirup, grape juice, etc. 228,346; May 31; Serial No. 238,676; published Jan. 25, 1927.

Senco Mfg. Company. (See Tarver, Will H.)

Serpico, Thomas, Brooklyn, N. Y. Telephone spelling charts. 228,336; May 31; Serial No. 243,325; published Mar. 22, 1927.

Sheffield King Milling Co., assignor to H. H. King Flour Mills Company, Minneapolis, Minn. Wheat flour. 65,512; renewed Oct. 8, 1927.

Smith Chemical Corporation, Johnson City, Tenn. Liniment. 228,433; May 31; Serial No. 243,505; published Mar. 22, 1927.

Smith, Norman M., doing business at Rumex Remedy Company, Minneapolis, Minn. Preparation for the treatment of colds and coughs. 228,300; May 31; Serial No. 241,548; published Mar. 22, 1927.

Societe Francaise de Filetage Indesserrable, D. D. G., Paris, France. Bolts and nuts, self-locking bolts and nuts, and metal screws. 228,383; May 31; Serial No. 242,861; published Mar. 22, 1927.

Society Maid Needlecraft Co., Brooklyn, N. Y. Unfinished art embroideries and stamped fabrics. 228,423; May 31; Serial No. 241,964; published Mar. 15, 1927.

Southwark Food Products Co., Philadelphia, Pa. Malt sirup for food purposes. 228,496; May 31.

Southwestern Products Company, Paris, Tenn. Treated dust cloth used on autos, furniture, or painted or enameled surfaces. 228,288; May 31; Serial No. 231,169; published Mar. 22, 1927.

Spanish-American Publishing Company, Los Angeles, Calif. Monthly magazine. 228,425; May 31; Serial No. 243,068; published Mar. 22, 1927.

Standard Hat Company, San Francisco, Calif. Hats. 228,421; May 31; Serial No. 241,189; published Mar. 22, 1927.

Steck, Frederick A., Oil City, Pa., assignor to Impervia Co. Inc., Rochester, N. Y. Medicines. 62,383; renewed Apr. 30, 1927.

Steinfeld Bros., Inc., New York, N. Y. Ladies' wearing apparel. 228,413; May 31; Serial No. 236,232; published Mar. 22, 1927.

Stemor Company, Inc., New York, N. Y. Transfer patterns for embroidery. 228,419; May 31; Serial No. 239,684; published Mar. 15, 1927.

Straub & Yorke, Chicago, Ill. Polishes and dressings. 228,404; May 31; Serial No. 242,318; published Mar. 22, 1927.

Tarver, Will H., doing business as Senco Mfg. Company, Little Rock, Ark. Medicine for colds, coughs, influenza, and la grippe. 228,398; May 31; Serial No. 242,156; published Mar. 22, 1927.

Thompson, Henry C., Springfield, Mass., assignor to The Thompson Specialties, Inc., Springfield, Mass. Automobile polishes. 228,311; May 31; Serial No. 206,242; published June 16, 1925.

Thurston & Braidich, New York, N. Y. Granulated, powdered, and whole gum arabic, gum tragacanth, and karaya gum. 228,460; May 31; Serial No. 242,448; published Feb. 22, 1927.

Tiemann, Johann C. W. F., Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Perfumery, confectionery, and distilled liquors. 30,242–3; renewed June 22, 1927.

Tissue Company, The, Saugerties, N. Y. Crepe paper. 228,368; May 31; Serial No. 241,361; published Mar. 22, 1927.

Ton-Tex Corporation, Grand Rapids, Mich. Belting. 228,351; May 31; Serial No. 239,438; published Mar. 22, 1927.

Tri-Po Products Co., The. (See Converse, Frederick L.)

Turner, Halsey Co., New York, N. Y. Cotton piece goods. 228,343; May 31; Serial No. 243,463; published Mar. 22, 1927.

Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Heating-system devices. 228,304; May 31; Serial No. 240,456; published Mar. 22, 1927.

Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Heating-system devices. 228,305; May 31; Serial No. 240,458; published Mar. 22, 1927.

United Manufacturing Company, Portland, Oreg. Furniture, tables, mattresses, and bed springs. 228,280; May 31; Serial No. 229,135; published Mar. 22, 1927.

United Shirt Shops Incorporated, New York, N. Y. Men's wearing apparel—namely, negligee, dress and work shirts, underclothing, etc. 228,315; May 31; Serial No. 219,048; published Jan. 18, 1927.

Universal Pictures Corporation, New York, N. Y. Weekly periodical. 228,426; May 31; Serial No. 243,731; published Mar. 22, 1927.

Validejuli, Manuel S., Buffalo, N. Y. Laxative, diuretic, and eliminant. 228,306; May 31; Serial No. 240,462; published Mar. 22, 1927.

Validejuli, Manuel S., doing business as The Picot Company, Buffalo, N. Y. Preparations for the treatment of indigestion, uric acid, etc. 228,435; May 31; Serial No. 236,666; published Jan. 25, 1927.

Vestal Chemical Co., St. Louis, Mo. Floor-waxing product. 228,375; May 31; Serial No. 242,636; published Mar. 15, 1927.

Victor Adding Machine Co., Chicago, Ill. Motor boats. 228,290; May 31; Serial No. 231,420; published Mar. 22, 1927.

Viking Laboratories, Incorporated, Charleston, W. Va. Soaps and soap compounds. 228,406–07; May 31; Serial No. 242,453–4; published Mar. 22, 1927.

Waitke, William, & Co., to Wm. Waitke & Co., St. Louis, Mo., successor. Soap. 29,392; renewed Dec. 29, 1926.

Watkins, R. M., doing business as Watkins Hosiery Mills, Chattanooga, Tenn. Hosiery. 228,422; May 31; Serial No. 241,362; published Mar. 22, 1927.

White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 228,429; May 31; Serial No. 243,906; published Mar. 22, 1927.

White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 228,430; May 31; Serial No. 243,908; published Mar. 22, 1927.

White Wave Company, The, Dowagiac, Mich. Washing powder. 228,475; May 31; Serial No. 223,350; published Feb. 15, 1927.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing paper and mailing envelopes. 228,358; May 31; Serial No. 243,179; published Mar. 22, 1927.

Whitney-Jarvis Co., Louisville, Ky. Can openers. 228,492; May 31.

Wiesenmeyer, Charles F., Springfield, Ill. Automobile tire chains. 228,480; May 31.

Williams, R. C., & Co., assignor to R. C. Williams & Co. Inc., New York, N. Y. Canned and preserved fruits, vegetables, and fish except salmon. 30,399; renewed July 20, 1927.

Winsor and Newton, Limited, London, England. Artists' colors, pigments, liquids, and varnishes. 63,629; renewed July 2, 1927.

Wittnauer, A., Co., New York, N. Y. Watches, parts of watches, and watchcases. 64,712–14; renewed Aug. 20, 1927.

Wittnauer, A., Co., New York, N. Y. Watches, parts of watches, and watchcases. 65,110; renewed Sept. 10, 1927.

Woelz Brothers, Appleton, Wis. Writing and ledger papers. 228,497; May 31.

Wolf & Sons Knitting Company, Jersey City, N. J. Infants' knitted wear. 228,313; May 31; Serial No. 207,112; published Mar. 24, 1925.

Wollstein, Richmond, Rome, Ga. Hosiery. 228,462; May 31; Serial No. 243,031; published Mar. 22, 1927.

Woodward, John G., & Co. (Inc.), Council Bluffs, Iowa. Candy. 228,295; May 31; Serial No. 234,068; published Mar. 22, 1927.

Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' clothing. 228,464; May 31; Serial No. 243,182; published Mar. 22, 1927.

X-Zalia Corporation, Boston, Mass. Medicines. 228,332; May 31; Serial No. 243,247; published Mar. 22, 1927.

Zisko Ointment Company. (See Billings, Elmer E.)

Ziv Steel & Wire Company, Chicago, Ill. Drill and tool steel. 282,431; May 31; Serial No. 243,910; published Mar. 22, 1927.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 228,453; May 31; Serial No. 243,911; published Mar. 22, 1927.

Zulu Blow Gun Company. (See Redner, James A.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Abbott, John F., doing business as Caribbean Products Co., Philadelphia, Pa. Itsnog. For a Sirup for Making Beverages and for Flavoring. 32,152; May 31.

Apostolidis, Anastas A., New York, N. Y. Alexandra Special—Love at First Sight High Grade Cigarettes. For Cigarettes. 32,153; May 31.

Beronson, Israel, Boston, Mass. Bearstrong. For Knit Hosiery. 32,154; May 31.

Blanck, Joseph I., Brooklyn, N. Y. Tho-Ro Textile and Fabric Chemical Dry Cleaning Fluid. For a Cleaning Fluid for Fabrics. 32,155; May 31.

Borini, Henry L., Brooklyn, N. Y. Bird Blend. For Food Tonic for Cage Birds. 32,156; May 31.

Caribbean Products Co. (See Abbott, John F.)

Challenge Cream & Butter Association, Los Angeles, Calif. Powdered Milk. For Powdered Milk. 32,157; May 31.

Chulick, Steve, doing business as Selmo Laboratories Company, St. Louis, Mo. Selmo Healing Ointment. For a Salve for Itching or Irritating Skin. 32,158; May 31.

Cluever, Edna S., doing business as Melo-Cream Distributing Co., Chicago, Ill. Special Barley Malt Extract. For Malt Extract. 32,159; May 31.

Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. San Giusto. For Salad Oil. 32,160; May 31.

Doane, William, St. Louis, Mo. Old Reliable Creamery Butter. For Butter. 32,161; May 31.

Doane, William, St. Louis, Mo. Merlon Brand Creamery Butter. For Butter. 32,162; May 31.

Doane, William, St. Louis, Mo. Capitol Creamery Butter. For Butter. 32,163; May 31.

Doane, William, St. Louis, Mo. Select Creamery Butter. For Butter. 32,164; May 31.

Doane, William, St. Louis, Mo. Dairyland Creamery Butter. For Butter. 32,165; May 31.

Doane, William, St. Louis, Mo. First Class Butter. For Butter. 32,166; May 31.

Doane, William, St. Louis, Mo. Bellevue Dairy Butter. For Butter. 32,167; May 31.

Doane, William, St. Louis, Mo. The Warner Dairy Butter. For Butter. 32,168; May 31.

Doane, William, St. Louis, Mo. Select Dairy Butter. For Butter. 32,169; May 31.

Doane, William, St. Louis, Mo. The Wholesome Kind Creamery Butter. For Butter. 32,170; May 31.

Doane, William, St. Louis, Mo. Sunset Brand Butter. For Butter. 32,171; May 31.

Doane, William, St. Louis, Mo. Eagle Creamery Butter. For Butter. 32,172; May 31.

Doane, William, St. Louis, Mo. Leader Brand Butter. For Butter. 32,173; May 31.

Doane, William, St. Louis, Mo. Springer's Creamery Butter. For Butter. 32,174; May 31.

Doane, William, St. Louis, Mo. Smith's Brand Ice Cream. For Ice Cream. 32,175; May 31.

Doane, William, St. Louis, Mo. Banner Brand Ice Cream. For Ice Cream. 32,176; May 31.

Doane, William, St. Louis, Mo. American Beauty Ice Cream. For Ice Cream. 32,177; May 31.

Doane, William, St. Louis, Mo. Nicco Ice Cream. For Ice Cream. 32,178; May 31.

Doane, William, St. Louis, Mo. Home Made Ice Cream. For Ice Cream. 32,179; May 31.

Doane, William, St. Louis, Mo. Supreme Ice Cream. For Ice Cream. 32,180; May 31.

Drug Producers Co. Inc., Long Island City, N. Y. Pulvoids No. 373 Natrico. For Medicinal Preparation. 32,181; May 31.

Farmers Syndicate Inc., Cortland, N. Y. Balanced. For Laying Mash. 32,182; May 31.

Fort Howard Paper Company, Green Bay, Wis. Bleachtex. For Toilet Paper. 32,183; May 31.

Fowler, Oliver S., South Norwalk, Conn. OSF Monogram Mayonnaise. For Mayonnaise. 32,184; May 31.

Frankel, Nathan A., doing business as Leknarf Manufacturing Co., Louisville, Ky. Lek Wunder Wite. For Shoe Cleaning and Whitening Preparation. 32,185; May 31.

Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Anona Hosiery. For Hosiery. 32,186; May 31.

Hagerling, Fred J., St. Louis, Mo. Thunderbolt. For Tire Patch. 32,187; May 31.

Knowlan Candy Company, Green Bay, Wis. Baby Hum. For Candy Bars. 32,188; May 31.

Kobrin, Harry, doing business as The Kobrin Mfg. Co., Brooklyn, N. Y. Unequalled Brand Ironing Board Cover. For Ironing-Board Covers. 32,189; May 31.

L. & B. Hosiery Co. Inc., New York, N. Y. The L & B Hose. For Hosiery. 32,190; May 31.

Leknarf Manufacturing Co. (See Frankel, Nathan A.)

Melo-Cream Distributing Co. (See Cluever, Edna S.)

Menasha Printing and Carton Company, Menasha, Wis. Vay Dyke. For Radio Tubes. 32,191; May 31.

Monument Ink Company, Inc., Indianapolis, Ind. Monument Carbon Paper and Typewriter Ribbons. For Carbon Paper and Typewriter Ribbons. 32,192; May 31.

Nack, Frank, jr., doing business as The Quick Polishing Powder Co., Ferguson, Mo. Quick Polishing Powder. For Polishing Powder. 32,193; May 31.

Nash, Earle R., Riverside, Calif. Roman. For Oranges. 32,194; May 31.

Nash, Earle R., Riverside, Calif. Saxon. For Oranges. 32,195; May 31.

Payer, J. M., Company, Chicago, Ill. See It In Glass—Buy It In Tin. For Canned Black Raspberries. 32,196; May 31.

Payer, J. M., Company, Chicago, Ill. See It In Glass—Buy It In Tin. For Canned Fancy Sugar Peas. 32,197; May 31.

Payer, J. M., Company, The, Chicago, Ill. Trysom. For Canned Gooseberries. 32,198; May 31.

Payer, J. M., Company, The, Chicago, Ill. Trysom. For Canned Peas. 32,199; May 31.

Payer, J. M., Company, The, Chicago, Ill. Country Queen. For Canned Beets. 32,200; May 31.

Payer, J. M., Company, The, Chicago, Ill. Country Queen. For Canned Blackberries. 32,201; May 31.

Quick Polishing Powder Co., The. (See Nack, Frank, jr.)

Royal, Thomas M., & Co., Philadelphia, Pa. Chef and Cup. For Coffee. 32,202; May 31.

Royal, Thomas M., & Company, Philadelphia, Pa. Girl and Cup. For Coffee. 32,203; May 31.

Selmo Laboratories Company. (See Chulick, Steve.)

Skidoo Company, The, Columbus, Ohio. Skidoo Creamery Cleanser. For Cleaning Paste. 32,204; May 31.

Smith, F. H., & Sons., Amenia, N. Dak. Dakota Sunshine Honey. For Honey. 32,205; May 31.

Tru-Tone Products Company, Philadelphia, Pa. Tru-Tone. For Hair-Color Restorer. 32,206; May 31.

Westbrook, Art, Spokane, Wash. Westbrook's Playing Card Target. For a Game. 32,207; May 31.

Zellerbach Paper Company, San Francisco, Calif. Sun Proof Genuine Kraft Raisin Tray Paper. For Paper Raison Trays. 32,208; May 31.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Aultman, Jos. T., Milwaukee, Wis. Your Motor Smiles with. For Lubricating Oil. 9,857; May 31.

Aultman, Jos. T., Milwaukee, Wis. Your Motor Cries for. For Lubricating Oil. 9,858; May 31.

B. V. D. Company, Inc., The, New York, N. Y. Don't Just Buy 'Underwear'., For Athletic Underwear. 9,860; May 31.

Battle Creek Food Co., Battle Creek, Mich. Battle Creek Sanitarium Health Foods. For Health Foods. 9,859; May 31.

Black, Starr & Frost, New York, N. Y. The Neckline of Beauty. For a Sapphire and Diamond Necklace. 9,861; May 31.

Chase Candy Company, St. Joseph, Mo. Chase's Candy Menu Stand. For Candy. 9,862; May 31.

D & C Co., Inc., The, Wilmington, Del., and Brooklyn, N. Y. For Dessert My-T-Fine. For Dessert Preparations. 9,863; May 31.

Gold Dust Corporation, Jersey City, N. J. That Spot May Mean Sickness for Baby. For Washing Powder. 9,864; May 31.

Gold Dust Corporation, Jersey City, N. J. Daughter May Catch Disease from that Banister. For Washing Powder. 9,865; May 31.

Gold Dust Corporation, Jersey City, N. J. The Doctor Warns. For Washing Powder. 9,866; May 31.

Gold Dust Corporation, Jersey City, N. J. Where Other Hands have Touched—Disease Germs Threaten. For Washing Powder. 9,867; May 31.
Gold Dust Corporation, Jersey City, N. J. Watch Out. For Washing Powder. 9,868; May 31.
Gold Dust Corporation, Jersey City, N. J. Make Baby Safe. For Washing Powder. 9,869; May 31.
Hall, E. C., Company, Brockton, Mass. Nation Wide Service Grocers. For Groceries. 9,870; May 31.
Richardson Corporation, Rochester, N. Y. Liberty Root Beer. For Root Beer. 9,871; May 31.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit-Kill Insects! They Spread Disease. For Insecticide. 9,872; May 31.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Blue Print Paper Co., Chicago, Ill. Tracing paper and tracing cloth. 247,157; May 31.
Altenburg Roller Mills. (See Dixie-Portland Flour Co.)
Aluminum Company of America, Pittsburgh, Pa. Ingots of aluminum and aluminum-base alloys. 246,584; May 31.
Aluminum Industries, Inc., Cincinnati, Ohio. Aluminum. 246,947; May 31.
Amberg, Schwab & Co., Inc., New York, N. Y. Braids. 247,352; May 31.
American Chicle Company, Long Island City, N. Y. Chewing gum. 247,659; May 31.
American Cyanamid Company, New York, N. Y. Flotation reagents for use in the concentration of minerals. 247,057–8; May 31.
American Enameled Brick & Tile Company, New York, N. Y. Brick and tile. 246,524; May 31.
American Saw Mill Machinery Company, Hackettstown, N. J. Woodworking machines. 247,304; May 31.
Androscoggin Mills, Lewiston, Me. Textile sheets and pillowcases. 246,807; May 31.
Ansonia O & C Company, The, Ansonia, Conn. Wide elastic webbing. 247,769; May 31.
Ararat Candy Company. (See Kalkanian, John.)
Arcturus Radio Company, New York, N. Y. Radio detecting, rectifying, and amplifying tubes. 246,527; May 31.
Armould Oil Company, Quincy, Ill. Lubricating oil. 245,319; May 31.
Artsil Hosiery Mills, Inc., New York, N. Y. Silk hosiery. 246,145; May 31.
As-Ke Fuemer Company, Duluth and Minneapolis, Minn. Electric heaters and vaporizers. 246,379; May 31.
Associated Dental Products, Inc., New York, N. Y. Absorbent wood-fiber rolls for dental use. 245,242; May 31.
Atwood & Company, Minneapolis, Minn. Coffee. 242,874; May 31.
Auerbach, Joseph S., doing business as D. Auerbach & Sons, New York, N. Y. Candy. 244,736; May 31.
Auto-Klean Strainers, Limited, London, England. Mechanical liquid straining and filtering apparatus. 243,918; May 31.
Avon Solé Company, Avon, Mass. Soles for boots and shoes. 247,515; May 31.
Baker Brothers Company, Streator, Ill. Canned vegetables, canned fruits, canned berries, etc. 245,826; May 31.
Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic, and antipyretic medicines. 235,873–6; May 31.
Bayle Food Products Co., St. Louis, Mo. Peanut butter and prepared mustard bran. 243,580; May 31.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 247,160; May 31.
Beaver Products Company of Virginia Inc., The, North Holston, Va. Insecticides. 247,662; May 31.
Beck-Koller & Company. (See Reichhold, Helmuth.)
Beebe Bros., Seattle, Wash. Hand hoists. 247,726; May 31.
Ben-Burk, Inc., Boston, Mass. Malt sirup. 247,407; May 31.
Bingham, J. F., Sioux Falls, S. Dak. 246,066; May 31.
Blackmer, Louis E., Binghamton, N. Y. White-clay face pack, a hairdressing, and a shampoo. 245,422; May 31.
Blechman, S., & Sons, Inc., New York, N. Y. Women's marketing and shopping bags, children's toy bags, etc. 247,249; May 31.
Blechman, S., & Sons, Inc., New York, N. Y. Umbrellas. 247,253; May 31.
Bliss Laboratories, Inc., The, New York, N. Y. Hair tonic, hair powder, astringent remedies, face powder, tissue cream, etc. 229,491; May 31.
Bloch, Alfred, doing business as Kahn Frères, Brussels, Belgium. Sentized photographic papers. 245,136; May 31.
Bordagaray, Dominique, doing business as Golden Lion Distributing Co., San Francisco, Calif. Malted beverages. 247,163; May 31.
Borkman Radio Corporation, Salt Lake City, Utah. Loudspeaker cabinets. 245,138; May 31.
Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 211,012; May 31.
Brown and Bailey Condensed Milk Company, Brooklyn, N. Y. Powdered skim milk. 235,880; May 31.
Buzza Company, The, Minneapolis, Minn. Gift mottoes. 234,373; May 31.
Buzza Company, The, Minneapolis, Minn. Gift mottoes. 234,376; May 31.
California Animal Products Co., Oakland, Calif. Canned meats and vegetables for cats and dogs. 245,081; May 31.
Capillo Manufacturing Co., The, Baltimore, Md. Vitalizing tonic to the reproductive system. 246,013; May 31.
Capillo Manufacturing Co., The, Baltimore, Md. Hair tonic. 246,014; May 31.
Capsalis Brothers, New York, N. Y. Olive oil. 246,330; May 31.
Carlton Mills, Inc., New York, N. Y. Periodical. 247,066; May 31.
Carver Publications, Inc., Fort Worth, Tex. Daily newspaper. 246,528; May 31.
Char-Bu Medicine Co. (See Sacra, R. L.)
Chatterton & Son, Lansing, Mich. Dried beans. 244,667; May 31.
Cincinnati Vulcan Company, The, Cincinnati, Ohio. Gasoline, kerosene, oils, etc. 244,492; May 31.
Clift & Goodrich, Inc., New York, N. Y. Hosiery, underwear, and sweaters. 233,763; May 31.
Cohen, Arthur, Dress Corporation, New York, N. Y. Misses' and women's dresses. 245,620; May 31.
Colasta Co. Inc., The, Hoosick Falls, N. Y. Electric insulating molding compounds. 240,698; May 31.
Commander Mill Company, assignor to Commander Milling Company, Minneapolis, Minn. Wheat flour. 233,812; May 31.
Commercial Lighting Corporation, The, Beaver Falls, Pa. Glass electric-light globes. 246,529; May 31.
Concentrate Products Company, The, Chicago, Ill. Poultry medicine for internal use. 246,391; May 31.
Concentrate Products Co., The, Chicago, Ill. Poultry vermifuge. 246,392; May 31.
Consolidated Batteries Company. (See Luhrman, Albert H.)
Continental Baking Co., Inc., New York, N. Y. Bread. 246,016; May 31.
Cools, A., Opelousas, La. Cough sirup and pectoral tea. 243,418; May 31.
Corn Products Refining Company, New York, N. Y. Chocolate sirup. 240,806; May 31.
Corn Products Refining Company, New York, N. Y. Chocolate beverage and sirup for making the same. 247,069; May 31.
Curtis Candy Company, The, Chicago, Ill. Candy and candy bars. 240,538; May 31.
Delbon, Frank G., Brooklyn, N. Y. Shoes. 238,011; May 31.
De Luxe Clothing Manufacturing Company, Baltimore, Md. Suits, overcoats, and topcoats. 243,200; May 31.
Deutsch, Louis, doing business as Eagle Knitting Mill of New York, New York, N. Y. Sanitary napkins. 247,785; May 31.
Dintilhac, Jean G., Paris, France. Lubricating oils and greases. 242,883; May 31.
Dixie-Portland Flour Co., doing business as Altenburg Roller Mills, Memphis, Tenn. Wheat flour. 246,822; May 31.
Donellan, O., & Co., Inc., New York, N. Y. Textile rugs and carpets. 238,573–4; May 31.
Druggist's Supply Corporation, New York, N. Y. Sanitary napkins. 247,526; May 31.
Duetschler, Albert, New York, N. Y. Ground wheat. 247,606; May 31.
Dugan Brothers, Inc., Brooklyn, N. Y. Bread, rolls, and cake. 246,472; May 31.
Du Pont Viscoloid Company, New York, N. Y. Hand mirrors and picture frames. 244,818; May 31.
Du Pont Viscoloid Company, New York, N. Y. Mass molding composition with pyroxylin base. 246,396; May 31.
Duradex Company, The, New York, N. Y. Card indexes, guide cards, etc. 247,364; May 31.
Duz-It Company, Milford, Del. Medicine for use in the treatment of piles. 247,678; May 31.
Eagle Electric Mfg. Co., Brooklyn, N. Y. Attachment plugs, appliance cards, lamp receptacles, etc. 241,267; May 31.
Eagle Knitting Mill of New York. (See Deutsch, Louis.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic papers. 246,397; May 31.
Edwards & Deutsch Lithographing Company, Chicago, Ill. Lithographs, etc. 241,204; May 31.
Electric Refrigeration Corporation, Detroit, Mich. Refrigerators and refrigerator parts. 244,607; May 31.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio-transformers, radio receiving sets, loud speakers, etc. 246,742; May 31.
Elec-Tru-Tone Corporation, The, Los Angeles, Calif. Radio equipment. 246,271; May 31.
Ely & Walker Dry Goods Company, St. Louis, Mo. Men's cotton gloves. 245,785–7; May 31.
Ely & Walker Dry Goods Company, St. Louis, Mo. Gloves. 246,272; May 31.
Engineering Magazine Company, The, New York, N. Y. Publication. 193,276; May 31.
Eppenbach, Inc., Long Island City, N. Y. Emulsion of magnesia. 247,790; May 31.
Essex Gelatine Company, Boston, Mass. Gelatin. 246,339; May 31.
Esteva y Oliver, Hijos of Antonio, Palma de Mallorca, Spain. Nougats, preserves, etc. 239,108; May 31.
Evans, H. C., & Company, Chicago, Ill. Pianos. 245,701; May 31.
Eye-Rine Remedy Co. (See Garretson, William E.)
Federal Glass Company, The, Columbus, Ohio. Glass footed goblets. 246,541–2; May 31.
Feit, Louis, doing business as State Dress Manufacturing Co., New York, N. Y. Ladies' dresses. 247,129; May 31.
Filing Equipment Bureau Incorporated, Boston, Mass. Index cards, guides, folders, and sheets. 247,423; May 31.
Finley, Julia V., New York, N. Y. Score pads. 247,268; May 31.
Fischer, Haydn L., doing business as Sugar Products Co., Not Inc., Kewanee and Chicago, Ill. Laxatives. 246,824; May 31.
Fort Dodge Bottling Works, Fort Dodge, Iowa. Beverage sold as a soft drink and sirup for making the same. 247,733; May 31.
Fowler, D. Roy F., doing business as Fowler Batting & Fibre Mills, Philadelphia, Pa. Textile upholstery padding. 230,664; May 31.
Franklin Mills, Greers, S. C. Sheetings and drillings. 248,170; May 31.
Freed-Eisemann Radio Corporation, New York, N. Y. Washing machines. 247,609; May 31.
Froedtert Grain & Malting Company, Milwaukee, Wis. Malt extract or sirup. 230,880; May 31.
Gardner Manufacturing Co., Los Angeles, Calif. Metal polish, auto top dressing, enamel cleaner, and auto cleaner. 241,819; May 31.
Garretson, William E., doing business as Eye-Rine Remedy Co., Portland, Oreg. Eye lotion. 243,599; May 31.
Gates Rubber Company, The, Denver, Colo. Rubber inner tubes and tires. 247,535; May 31.
Gill & Duffus, London, England. Nut kernels in the natural state for food. 245,836; May 31.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Hosiery. 247,075; May 31.
Goltrene Company, The. (See Shrimplin, Nellie B.)
Golden Lion Distributing Co. (See Bordagaray, Dominique.)
Goodfellow Lumber Company, St. Louis, Mo. Plaster board, wall board, and roofing. 246,746; May 31.
Good Luck Food Co., Inc., Rochester, N. Y. Preparation for making pie filling and puddings. 237,100; May 31.
Goodman, Robert, doing business as Goody Products Company, Philadelphia, Pa. Malt extract. 246,831; May 31.
Goody Products Company. (See Goodman, Robert.)
Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 247,844; May 31.
Grain Belt Mills Company, South St. Joseph, Mo. Dairy feed. 247,846; May 31.
Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 247,847; May 31.
Grain Belt Mills Company, South St. Joseph, Mo. Dairy feed. 247,848; May 31.
Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 247,850; May 31.
Grain Belt Mills Company, South St. Joseph, Mo. Dairy feed. 247,852; May 31.
Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 247,853–4; May 31.
Granucci, Gisberto, San Francisco, Calif. Olive oil. 246,025; May 31.
Gunn, J. Lindsey, doing business as The Nor-Va Products Company, Norfolk, Va. Mayonnaise, Thousand-Island dressing, and vegetable-chow relish. 246,402; May 31.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars and shirts. 247,081–4; May 31.
Hamblin & Russell Manufacturing Company, Inc., Worcester, Mass. Woven-iron-wire kitchen strainers and fry baskets. 236,371; May 31.
Harrison Chemical Co., Front Royal, Va. Salve. 247,186; May 31.
Health Cigar Company, The. (See Simpson, Max.)
Hellmann, Richard, Long Island City, N. Y. Egg compound consisting of ninety per cent of eggs and ten per cent of salt. 246,550; May 31.
Hemoliver Liver Products Co. (See Hill, Ira L.)
Hess & Wiener, Incorporated, New York, N. Y. Jewelry. 245,210; May 31.
Hill, Ira L., doing business as Hemoliver Liver Products Co., New York, N. Y. Tonic. 247,692; May 31.
Holgaard, C. J., Company, Minneapolis, Minn. Tents and tent structures. 246,611; May 31.
Holldge, C. Crawford, Boston, Mass. Undergarments, dresses, nightgowns, etc. 244,157; May 31.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, etc. 245,491; May 31.
Hovey, C. F., Co., Boston, Mass. Collar bands. 247,473; May 31.
Hovey, C. F., Co., Boston, Mass. Dress shields. 247,474; May 31.
Hovey, C. F., Co., Boston, Mass. Sanitary belts. 247,475; May 31.
Indian Splint Inc., Rochester, N. Y. Upholstered chairs. 247,859; May 31.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 245,988; May 31.
Jackson, Dean C., Los Angeles, Calif. Mush. 244,772; May 31.
Jackson, L. K., doing business as Madam L. Kemp Jackson, Ensley, Ala. Pressing oil and a preparation for treating dandruff, falling hair, etc. 247,436; May 31.
Jaffee, L. J. & C. D., Inc., New York, N. Y. Men's and young men's suits. 245,989; May 31.
Johnson's, Iver, Arms & Cycle Works, Fitchburg, Mass. Revolvers and shotguns. 229,033; May 31.
Johnston Export Publishing Co., New York, N. Y. Magazine. 245,991; May 31.
Johnston, Robert A., Co., Milwaukee, Wis. Cookies. 241,725; May 31.
Jordan Marsh Company, Boston, Mass. Ironing-board covers. 247,481; May 31.
Jordan Marsh Company, Boston, Mass. Bias-fold tape. 247,543; May 31.
Kahn Frères. (See Bloch, Alfred.)
Kalkanian, John, doing business as Ararat Candy Company, Chicago, Ill. Chocolate-covered jelly-filled candy. 245,720; May 31.
Kemp, Edward F., doing business as Radio Nut Company, Somerville, Mass. Salted peanuts. 247,439; May 31.
Kentucky Holding Corporation, Louisville, Ky. Whisky. 246,031–2; May 31.
Keystone Varnish Company, Brooklyn, N. Y. Ready-mixed paints. 245,792; May 31.
Kingan & Co. Incorporated, Indianapolis, Ind. Smoked and cured meats. 230,673; May 31.
Knowles Mushroom Ventilator Co., New York, N. Y. Gallery riser vents for auditorium. 240,916; May 31.
Kraft Milk Products Co., Chicago, Ill. Compressed malted-milk tablets. 246,097; May 31.
L & L Watchr Case Company, New York, N. Y. Watch-cases. 243,095; May 31.
Las-Kon-Ice, Inc., Reno, Nev. Frozen products. 247,333; May 31.
Laundry Service Corporation, Dallas, Tex. Textile padding, sheeting, apron duck, etc. 247,028; May 31.
Lazier, J. F., Manufacturing Co., St. Louis, Mo. Flavoring extracts. 245,913; May 31.
Leibovitz, Isidore, doing business as S. & L. Belt Co., New York, N. Y. Belts in the nature of garment supporters. 245,357; May 31.
Lenzner, Edward G., doing business as Oil Field Engineering Co., Los Angeles, Calif. Periodical. 246,914; May 31.
Leslie-California Salt Co., San Francisco, Calif. Salt. 242,012; May 31.
Lichtig, Edwin, New York, N. Y. Cotton and silk and cotton mixtures in the piece. 238,381; May 31.
Lindersmith, Francis M., doing business as F. M. Lindersmith Chemical Company, Spokane, Wash. Dental powder. 243,956; May 31.
Loewe, Maurice, Paris, France. Perfumes. 242,731; May 31.
London, C. M. & H., & Co., New York, N. Y. Cotton piece goods. 240,358; May 31.
Loth, W. J., Stove Company, Inc., The, Waynesboro, Va. Stoves and ranges. 238,795; May 31.
Lovejoy, Arthur W., Lowell, Mass. Toilet paper. 215,413; May 31.
Lubrman, Albert H., doing business as Consolidated Batteries Company, Cincinnati, Ohio. Electric batteries. 246,616; May 31.
Lucas, John, and Company, Incorporated, Philadelphia, Pa. Paint, floor wax, varnishes, etc. 244,448; May 31.
Lupus, Julio M., New York N. Y. Perfumery, toilet lotions, face powder, etc. 241,232; May 31.
Magna-Ray Co., The, Los Angeles, Calif. Electromagnetic health belt. 247,800; May 31.
Marathon Co., Attleboro, Mass. Cigarette cases, cigar lighters, and match cases. 246,103; May 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Markowitz, Idel, doing business as The Penn Fur Company, New York, N. Y. Fur coats, caps, etc. 246,170; May 31.
Marsh & Marsh, Omaha, Nebr. Cheese. 246,424; May 31.
Marvin, W. H., Company, The, Urbana, Ohio. Dried currants and mincemeat. 246,488–90; May 31.
Master Rule Mfg. Co. Inc., New York, N. Y. Rules. 241,488; May 31.
Matthews, W. N., Corporation, St. Louis, Mo. Switches and fuses. 244,563; May 31.
Mazda Radio Manufacturing Company, The, Cleveland, Ohio. Radio apparatus, parts, and supplies. 212,628; May 31.
McAlpine, Stanley C., doing business as R-Tite Tire Valve Cap Co., Detroit, Mich. Tire-valve caps. 246,607; May 31.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Dentifrices and mouth washes. 246,559; May 31.
Metro-Goldwyn Pictures Corporation, New York, N. Y. Motion-picture films. 246,106; May 31.
Miami Valley Cooperative Milk Producers Association, The, Dayton, Ohio. Butter. 246,172; May 31.
Middlishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits. 247,279; May 31.
Mildred Hat Shop. (See Rosenberg, Harry D.)
Minneapolis Heat Regulator Co., Minneapolis, Minn. Electric switches. 241,779; May 31.
Minneapolis Heat Regulator Co., Minneapolis, Minn. Unitary automatic electric switch systems. 241,780; May 31.
Minneapolis Heat Regulator Co., Minneapolis, Minn. Thermally-operated electric cut-out switches. 241,782; May 31.
Monarch Mfg. Works, Inc., Philadelphia, Pa. Oil-burning equipment. 246,700; May 31.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Men's and boys' clothing. 229,454; May 31.
Muroff, Solomon J., doing business as The Murosen Hygiene Co., Brooklyn, N. Y. Mouth wash and dental pastes. 245,998; May 31.
Murosen Hygiene Co. (See Muroff, Solomon J.)
Naamlooze Vennootschap Export- en Importmaatschappij Alberto Aders & Co., The Hague, Netherlands. Spices and cocoa. 244,462; May 31.
Nashua Package Sealing Co. Inc., Nashua, N. H. Devices for moistening and/or serving adhesive or gummed tape, labels, etc. 247,809; May 31.
National Smelting & Refining Corp., New York, N. Y. Precious-metal alloys. 244,089; May 31.
Netzorg, Isaac, doing business as Pren Polish Manufacturer, Detroit, Mich. Piano, furniture, and automobile polish. 246,111; May 31.
New South Publishing Co., Chattanooga, Tenn. Magazine. 246,045; May 31
Non-Smut Carbon Mfg. Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbons. 246,494; May 31.
Nor-Va Products Company. (See Gunn, J. Lindsey.)
Norwegian Leather Water-Proofing Company, St. Paul, Minn. Waterproofing composition for leather. 240,993; May 31.
Null, A. M., Memphis, Tenn. Preparation in the treatment of poison-oak infections, etc. 244,021; May 31.
O'Bannon, Walter, Co., Tulsa, Okla. Oil-field equipment. 246,357; May 31.
Oil Field Engineering Co. (See Lenzer, Edward G.)
Oshkosh Brewing Company, The, doing business as Oshkosh Malt Products Co., Oshkosh, Wis. Malt sirup for food purposes. 247,283; May 31.
Painpatch, Incorporated, East Orange, N. J. Medicated plasters. 247,631; May 31.
Pearl Radio Condenser Co. Inc., New York, N. Y. Radio variable condensers. 231,277; May 31.
Penn Fur Company, The. (See Markowitz, Idel.)
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Brass pins. 246,977–8; May 31.
Petroleum Heat and Power Company, New York, N. Y. Petroleum-oil burners. 247,142; May 31.
Phenix Cheese Corporation, New York, N. Y. Cheese made from cow's milk. 247,097; May 31.
Phillips, Sidney M., doing business as S. M. Phillips Flour Mills, San Francisco, Calif. Self-rising pancake and waffle flour. 222,797; May 31.
Phinney-Walker Company, New York, N. Y. Automobile clocks. 245,105; May 31.
Picker, M. B., New York, N. Y. Antiseptic. 239,823; May 31.
Pittsburgh Coal Company, Pittsburgh, Pa. Coal excepting smithing coal. 246,430–4; May 31.
Posner, Dr. A., Shoes Inc., New York, N. Y. Shoes. 229,464; May 31.
Pren Polish Manufacturer. (See Netzorg, Isaac.)
Quaker Hat Co., Inc., New York, N. Y. Hats. 240,364; May 31.
R-Tite Tire Valve Cap Co. (See McAlpine, Stanley C.)
Radio Dealers Publishing Co., Inc., New York, N. Y. Publication. 246,225; May 31.
Radio Nut Company. (See Kemp, Edward F.)
Ray, Houston, New York, N. Y. Phonographs, talking machines, records, etc. 240,680–1; May 31.
Red Sun Products Company, Chicago, Ill. Hop-flavored malt sirup. 243,887; May 31.
Reed, Joseph L., doing business as Reerobee Syrup and Bottling Factory, Waco, Tex. Beverage. 247,868; May 31.
Reerobee Syrup and Bottling Factory. (See Reed, Joseph L.)
Reichhold, Helmuth, doing business as Beck-Koller & Company, Detroit, Mich. Dry, paste, and ready-mixed paints, varnishes, and lacquers. 227,475; May 31.
Reid Ice Cream Corporation, Brooklyn, N. Y. Ice-cream confection. 246,227; May 31.
Renz, George H., Newark, N. J. Game. 243,170; May 31.
Reo Motor Car Company, Lansing, Mich. Automobiles. 245,029; May 31.
Republic Paint & Varnish Works, Chicago, Ill. Clear varnish, linoleum varnish, paint enamel, varnish stain, and lacquer. 229,930; May 31.
Richards, Inc., Glen Olden, Pa. Laxative. 246,569; May 31.
Ripley Fish Co., Inc., Seattle, Wash. Fresh, canned, dried, smoked, salted, and frozen fish. 244,788; May 31.
Robinson, H. A., Company, Incorporated, Lynchburg, Va. Peanuts (roasted and raw) and peanut butter. 235,753; May 31.
Roestock Products Mfg. Co., Sarasota, Fla. Insecticide. 247,970; May 31.
Rogers Bros., Durham, N. C. Tablets for the treatment of colds, headache, and la grippe. 247,101; May 31.
Roper, Geo. D., Corporation, Rockford, Ill. Gas-burning water heaters, air and gas mixers, etc. 225,803; May 31.
Rosen & Steinberg, Brooklyn, N. Y. Watches, watchcases, and clocks. 245,864; May 31.
Rosenberg, Harry D., doing business as Mildred Hat Shop, New York, N. Y. Hats, underwear, gloves, etc. 241,356; May 31.
Rubber and Celluloid Products Company, Newark, N. J. Shaving brushes. 246,848; May 31.
Rubber and Celluloid Products Company, Newark, N. J. Toothbrushes. 246,849; May 31.
S. & L. Belt Co. (See Leibovitz, Isidore.)
Sacra, R. L., doing business as Char-Bu Medicine Co., Harrison, Tex. Medicinal preparation for use as a tonic, aid for stomach troubles, etc. 247,709; May 31.
Salomon, Charles, & Co. Inc., New York, N. Y. Dresses for misses and women. 245,619; May 31.
Schaff, George M., Cleveland, Ohio. Blank books and blank forms, etc. 211,379; May 31.
Scherago, Morris, doing business as Southern Agricultural Supply Company, Lexington, Ky. Culture bacteria used for inoculating seeds of leguminous plants. 247,216; May 31.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Canned vegetables, canned berries, canned fruit, etc. 232,433; May 31.
Scott, Rufus W., Company, New York, N. Y. Stockings. 235,296; May 31.
Seelbach, K. C., Company, New York, N. Y. Razors. 245,810; May 31.
Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sponge cups. 242,025; May 31.
Shrimplin, Nellie B., doing business as The Goltrene Company, Chicago, Ill. Medicinal preparation. 247,871; May 31.
Simpson, Max, doing business as The Health Cigar Company, New York, N. Y. Cigarettes, cheroots, little cigars, and smoking and chewing tobacco. 246,574; May 31.
Slawatycki, Apollonia, Buffalo, N. Y. Herb pills. 245,867; May 31.
Smith's Bakery, Inc., Mobile, Ala. Bread. 247,576; May 31.
Société Belge des Produits Rationnels Société Anonyme Ahin-lez-Huy, Ahin, near Huy, Belgium. Pharmaceutical substances. 245,165; May 31.
Southern Agricultural Supply Company. (See Scherago, Morris.)
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 246,182; May 31.
Spain, Abraham J., Minneapolis, Minn. Cold cream, skin compound, etc. 246,233; May 31.
Standard Insulation Company, Rutherford, N. J. Insulating varnish. 243,395; May 31.
Starr Knitting Mills, Inc., Pleasantville, N. J. Hosiery. 247,224; May 31.
State Dress Manufacturing Co. (See Feit, Louis.)
Stein, Doblin & Co., New York, N. Y. Cotton piece goods. 247,831; May 31.
Step-In-All Underwear Corp., Springfield, Mass. Underwear. 245,869; May 31.
Sterling Tire Corporation, Rutherford, N. J. Automobile tire casings. 243,981; May 31.
Storz Laboratories, Chicago, Ill. Toilet preparations. 242,863; May 31.
Sugar Products Co., Not Inc. (See Fischer, Haydn L.)
Sun-Maid Raisin Growers of California, Fresno, Calif. Dried fruits. 240,102; May 31.
Swisher, John H., & Son, Incorporated, Newark, Ohio. Cigars. 247,296; May 31.
Taufert, Emma S., doing business as Paul Taufert Company, St. Paul, Minn. Insecticides. 234,236; May 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Taylor & Co., Inc., Newark, N. J. Watch bracelets, lorgnette chains, necklaces, studs, etc. 245,668; May 31.
Tension Envelope Co. Inc., Brooklyn, N. Y. Mailing envelopes of the clasp type. 241,100; May 31.
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 242,926; May 31.
Texas Star Flour Mills, Galveston, Tex. Wheat, Graham, and rye flour, corn meal, etc. 246,133; May 31.
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 246,134; May 31.
Thermo-Electric Company, Inc., The, New Orleans, La. Automatic electric incubators and brooders. 237,136; May 31.
Thomas Mfg. Company, Wilkes-Barre, Pa. Clamp handles or holders, etc. 246,647; May 31.
Traver, F. C., Paper Company, The, Chicago, Ill. Ice-cream-cone servers. 246,514; May 31.
Twitchell-Champlin Company, The, Portland, Me., and Boston, Mass. Canned apples, apricots, blueberries, cherries, grapefruit, etc. 231,413; May 31.
United Mfg. Co., Inc., Portland, Oreg. Mattresses. 247,648; May 31.
United States Gasoline Corp., The, Denver, Colo. Lubricating oils and greases. 233,516; May 31.
United States Products Corporation, San Jose, Calif. Canned fruits. 237,481; May 31.
Universal Crepe & Tissue Mills, Inc., New York, N. Y. Toilet paper. 247,718; May 31.
Van Camp Sea Food Co. Inc., Terminal Island, Calif. Canned fish and smoked fish. 247,650; May 31.
Victorius, A. V., & Company, New York, N. Y. Hosiery. 246,791; May 31.
Vincent Bach Corporation, New York, N. Y. Musical instruments. 246,138; May 31.
Waltham Watch Company, Waltham, Mass. Watches and parts thereof. 238,928; May 31.
Warrensburg Canning Co., Warrensburg, Ill. Canned corn. 246,865; May 31.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 246,059; May 31.
Waterman, L. E., Company, New York, N. Y. Fountain pens and pencils. 247,651; May 31.
Waverly Musical Products Co., Inc., New York and Long Island City, N. Y. Patent heads for guitars, mandolins, banjos, and violins, tailpieces, string pegs, guitar steels, etc., for musical instruments. 245,307; May 31.
Weber, Rose M., Chicago, Ill. Eggs. 245,603; May 31.
Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 247,982; May 31.
Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 247,984; May 31.
Wenner and Shadwell, Butte, Mont. Medicine for piles. 247,766; May 31.
West, Charles F., doing business as C. F. West & Co., Los Angeles, Calif. Cakes and cake mixture. 246,522; May 31.
White, James F., & Co. Inc., New York, N. Y. Tailors' all-linen canvas in the piece. 242,699; May 31.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 244,587; May 31.
Whitman Barnes-Detroit Corporation, Detroit, Mich. Twist drills, reamers, reducers, etc. 245,675–7; May 31.
Wicke, A. C., Manufacturing Company, New York, N. Y. Refrigerators. 245,945; May 31.
Wolf-Thomen Incorporated, New York, N. Y. Extract witch-hazel, milk of magnesia, U. S. P., cod-liver oil, etc. 246,376; May 31.
Wortendyke Mfg. Co., Richmond, Va. Gummed paper tape and gummed cloth tape. 247,724; May 31.
Wright, William E., and Sons Company, Orange, N. J. Bias-fold tapes and trimmings of fabric. 244,908; May 31.
Wyandotte Automatic Fountain Company, The, Kansas City, Kans. Soda fountains. 243,517; May 31.
Zetka Laboratories, Inc., Newark, N. J. Electron tubes. 243,183; May 31.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 247,587; May 31.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Leather. Thomas Bayley & Company Limited. 59,502; renewed Jan. 8, 1927.

CLASS 2.

Boxes or shipping containers, Fiber-board and corrugated-board. Container Corporation of America. 228,345; May 31; Serial No. 238,305; published Mar. 22, 1927.
Garbage receivers, ash cans, cake and bread boxes, etc. Casey-Foster Co. 228,299; May 31; Serial No. 235,999; published Mar. 22, 1927.
Tanks, Storage. Chicago Boiler Company. 228,483; May 31.

CLASS 4.

Cleaning preparation for fabrics, utensils, and the skin. F. L. Converse. 228,376; May 31; Serial No. 242,658; published Mar. 22, 1927.
Dust cloth, Treated. Southwestern Products Company. 228,288; May 31; Serial No. 231,169; published Mar. 22, 1927.
Polish and shoe blacking, Shoe. Boyer & Company. 63,485–6; renewed June 25, 1927.
Soap. William Waltke & Co. 29,392; renewed Dec. 29, 1926.
Soaps. J. McEwen. 228,461; May 31; Serial No. 243,009; published Mar. 22, 1927.
Soaps and soap compounds. Viking Laboratories, Incorporated. 228,406–7; May 31; Serial No. 242,453–4; published Mar. 22, 1927.
Washing powder. White Wave Company. 228,475; May 31; Serial No. 228,350; published Feb. 15, 1927.

CLASS 5.

Adhesive coating for metal. Nokrode Company. 228,458; May 31; Serial No. 243,660; published Mar. 15, 1927.
Cement, Rubber. Fisk Rubber Company. 228,330; May 31; Serial No. 243,147; published Mar. 15, 1927.

CLASS 6.

Alcohol preparation for external use. Publicker Inc. 228,384; May 31; Serial No. 243,015; published Mar. 22, 1927.
Astringent and hemostatic. Farbwerke vorm. Meister Lucius & Brüning. 62,996; renewed June 4, 1927.
Bay rum. Crusellas Rhum Quinquina Co. 228,325; May 31; Serial No. 241,697; published Mar. 22, 1927.
Beef, iron, and wine; lime water, milk of magnesia, mineral oil, etc. Continental Drug Corporation. 228,473; May 31; Serial No. 223,285; published Mar. 22, 1927.
Chemical for cleaning drains and sinks. Pennsylvania Salt Manufacturing Company. 228,373; May 31; Serial No. 242,547; published Mar. 22, 1927.
Chemical solutions. H. J. Hurt. 228,276; May 31; Serial No. 237,269; published Nov. 16, 1926.
Chemicals. Badische Anilin & Soda Fabrik. 63,256; renewed June 11, 1927.
Chemicals. Badische Anilin & Soda Fabrik. 63,303; renewed June 11, 1927.
Chemicals acting as intestinal astringents and antiseptics. Firm of E. Merck. 30,140; renewed June 8, 1927.
Composition for sizing, stiffening, and finishing thread, yarns, and other textile materials. I. G. Farbenindustrie Aktiengesellschaft. 228,362; May 31; Serial No. 241,206; published Mar. 22, 1927.
Deodorant. A. Mirenta & Co. 228,388; May 31; Serial No. 243,126; published Mar. 22, 1927.
Dyestuff. Badische Anilin & Soda Fabrik. 63,161–2; renewed June 11, 1927.
Dyestuff. Badische Anilin & Soda Fabrik. 63,257; renewed June 11, 1927.
Dyestuff and chemicals used in reducing, discharging, and bleaching. Badische Anilin & Soda Fabrik. 63,258; renewed June 11, 1927.
Gas, Fuel. International Oxygen Company. 228,414; May 31; Serial No. 236,552; published Jan. 11, 1927.
Glycerin, bleaching composition, sizing and finishing materials, etc. Chemische Fabrik Stockhausen & Cie. 228,275; May 31; Serial No. 228,175; published Mar. 22, 1927.
Gum arabic, gum tragacanth, and karaya gum. Thurston & Braidich. 228,459; May 31; Serial No. 242,448; published Feb. 22, 1927.
Hair preparation and tonic to nourish the scalp, relieve dandruff, etc. Gladiator Co. 228,354; May 31; Serial No. 239,980; published Mar. 22, 1927.
Laxative, diuretic, and eliminant. M. S. Valdejuli. 228,306; May 31; Serial No. 240,462; published Mar. 22, 1927.
Liniment. Smith Chemical Corporation. 228,433; May 31; Serial No. 243,505; published Mar. 22, 1927.
Lotion, Skin. C. P. Mott. 228,385; May 31; Serial No. 243,104; published Mar. 22, 1927.
Medical preparations. C. Schumann. 228,284; May 31; Serial No. 230,686; published Feb. 8, 1927.
Medical remedy and pharmaceutical preparation. "Nervodo" Aktiengesellschaft. 228,434; May 31; Serial No. 236,899; published Mar. 22, 1927.
Medicinal preparation. Epicol Products Company. 228,344; May 31; Serial No. 243,482; published Mar. 22, 1927.

Medicinal salve. E. E. Billings. 228,408; May 31; Serial No. 242,460; published Mar. 22, 1927.
Medicine. J. A. Horigan. 228,391; May 31; Serial No. 243,157; published Mar. 22, 1927.
Medicine. S. B. Leonardi. 64,645; renewed Aug. 13, 1927.
Medicine for colds, coughs, influenza, and la grippe. W. H. Tarver. 228,398; May 31; Serial No. 242,156; published Mar. 22, 1927.
Medicine for rheumatism. R. Insanna. 228,370; May 31; Serial No. 241,484; published Mar. 22, 1927.
Medicines. F. A. Steck. 62,383; renewed Apr. 30, 1927.
Medicines. X-Zalia Corporation. 228,332; May 31; Serial No. 243,247; published Mar. 22, 1927.
Pellets, Breath. H. Heller. 228,397; May 31; Serial No. 242,128; published Mar. 22, 1927.
Perfumery, confectionery, and distilled liquors. J. C. W. F. Tiemann. 30,242–43; renewed June 22, 1927.
Perfumes, perfumed talcum, sachet, face powder, etc. Madeleine Vionnet et Cie. 228,438; May 31; Serial No. 236,242; published Mar. 22, 1927.
Preparation for the treatment of colds and coughs. N. M. Smith. 228,300; May 31; Serial No. 241,548; published Mar. 22, 1927.
Preparations for the treatment of indigestion, uric acid, etc. M. S. Validejuli. 228,435; May 31; Serial No. 236,666; published Jan. 25, 1927.
Remedies against fever, rheumatism, and neuralgia. H. A. Metz Laboratories. 228,308; May 31; Serial No. 174,177; published Jan. 22, 1924.
Remedy for certain diseases. C. W. Mixer. 64,486; renewed Aug. 6, 1927.
Rouge, Cream. H. L. Ross. 228,342; May 31; Serial No. 243,457; published Mar. 22, 1927.
Salt. International Salt Company. 228,303; May 31; Serial No. 240,416; published Mar. 1, 1927.
Soldering flux. Garden City Laboratory. 228,333; May 31; Serial No. 243,264; published Mar. 22, 1927.
Starch, Rice. J. & J. Colman, Limited. 30,713; renewed Oct. 19, 1927.
Tonic. Florio & C. Societa Anonima Vinicola Italiana. 228,274; May 31; Serial No. 228,100; published Mar. 22, 1927.
Tonic, hair powder, astringent remedies, etc., Hair. Bliss Laboratories, Inc. 228,487; May 31.

CLASS 10.

Fertilizers. Fertilizer Sales Ltd. 228,340; May 31; Serial No. 243,433; published Mar. 22, 1927.
Plant food. F. Leddy, jr.. 228,491; May 31.

CLASS 13.

Bolts and nuts, self-locking bolts and nuts, and metal screws. Societe Francaise de Filetage Indesserrable, D. D. G. 228,383; May 31; Serial No. 242,861; published Mar. 22, 1927.
Bowls, basins, tubs, baby baths, sinks, etc. Lily Foundry Company. 228,439; May 31; Serial No. 236,215; published Mar. 22, 1927.
Doorchecks. F. S. Ilenschel. 228,334; May 31; Serial No. 243,269; published Mar. 22, 1927.
Key work, flat-way cocks, flat-way stopcocks, etc., Ground. Hays Manufacturing Company. 228,399; May 31; Serial No. 242,184; published Mar. 22, 1927.
Metallic fasteners for belts. Bristol Company. 63,487; renewed June 25, 1927.
Tire chains, Automobile. C. F. Wiesenmeyer. 228,480; May 31.
Valves, Gas-shut-off. Fellinger Corporation. 228,449; May 31; Serial No. 244,147; published Mar. 22, 1927.

CLASS 14.

Castings and forgings, Machinery. Dürkoppwerke Aktiengesellschaft. 228,394; May 31; Serial No. 241,983; published Mar. 22, 1927.
Lead, solder, babbitt, etc. Eagle-Picher Lead Company. 228,329; May 31; Serial No. 241,142; published Mar. 22, 1927.
Metals, Bearing. J. Neurath. 228,409; May 31; Serial No. 242,489; published Mar. 15, 1927.
Metals made of zinc, copper, etc., Sheet. American Nickeloid Company. 228,493; May 31.
Solder, Cold. K-K Solder Company. 228,396; May 31; Serial No. 242,006; published Mar. 15, 1927.
Steel castings. Bonney-Floyd Co. 228,456; May 31; Serial No. 243,843; published Mar. 22, 1927.
Steel, Drill and tool. Ziv Steel & Wire Company. 228,431; May 31; Serial No. 243,910; published Mar. 22, 1927.
Steel, Tool. A. M. Diehl. 228,403; May 31; Serial No. 242,284; published Mar. 15, 1927.
Wire, Steel. W. D. Houghton & Company Limited. 228,297; May 31; Serial No. 235,697; published Mar. 22, 1927.

CLASS 15.

Gasoline, kerosene, lubricating greases, etc. Independent Oil and Gas Company. 228,318; May 31; Serial No. 224,661; published Sept. 21, 1926.

CLASS 16.

Colors, pigments, liquids, etc., Artists'. Winsor and Newton, Limited. 63,629; renewed July 2, 1927.
Lead, litharge, etc. Eagle-Picher Lead Company. 228,363–4; May 31; Serial Nos. 241,145–6; published Mar. 22, 1927.
Lead, litharge, orange mineral, etc. Eagle-Picher. Lead Company. 228,361; May 31; Serial No. 241,144; published Mar. 22, 1927.
Liquid polish for cleaning and polishing. G. A. Rumpf. 228,365; May 31; Serial No. 241,185; published Mar. 15, 1927.
Paint. J. Kaeppel. 228,485; May 31.
Paint, Asphalt roof. Continental Roofing & Manufacturing Co. 228,451; May 31; Serial No. 244,049; published Mar. 22, 1927.
Paints and varnishes. Baltimore Paint and Color Works. 228,301; May 31; Serial No. 241,556; published Mar. 22, 1927.
Paints, colors in oil, varnishes, and shellacs. M. Abelman. 228,298; May 31; Serial No. 235,769; published Mar. 22, 1927.
Paints, Enamel. Breinig Brothers, Inc. 228,450; May 31; Serial No. 244,130; published Mar. 22, 1927.
Paints, varnishes, and auto enamels, Dry, paste, and ready-mixed. Midwest Varnish Company. 228,374; May 31; Serial No. 242,602; published Mar. 22, 1927.
Pigment, White. Picher Lead Company. 64,042; renewed July 23, 1927.
Pigments, Lead. Picher Lead Company. 63,339; renewed June 18, 1927.
Polishes and dressings. Straub & Yorke. 228,404; May 31; Serial No. 242,318; published Mar. 22, 1927.
Polishes, Automobile. H. C. Thompson. 228,311; May 31; Serial No. 205,242; published June 16, 1925.
Varnish. Patek Brothers, Inc. 228,452; May 31; Serial No. 243,964; published Mar. 22, 1927.
Varnish, japan, filler, and prepared shellac. J. F. Kurfees Paint Company. 228,326; May 31; Serial No. 241,731; published Mar. 15, 1927.
Varnishlike finish for wood and other surfaces. Davies Products, Incorporated. 228,380–1; May 31; Serial Nos. 242,780–1; published Mar. 15, 1927.
Waxing product, Floor-. Vestal Chemical Co. 228,375; May 31; Serial No. 242,636; published Mar. 15 1927.

CLASS 17.

Cigars. M. S. Bishara. 228,457; May 31; Serial No. 243,684; published Mar. 22, 1927.
Cigars. L. Rigano. 228,352; May 31; Serial No. 239,824; published Feb. 8, 1927.

CLASS 19.

Automobiles, automobile chassis, etc. Clarke D. Pease, Inc. 228,278; May 31; Serial No. 237,511; published Mar. 22, 1927.
Boats, Motor. Victor Adding Machine Co. 228,290; May 31; Serial No. 231,420; published Mar. 22, 1927.
Vehicles, boats, ships, motor cars, bicycles, etc. Road. Dürkoppwerke Aktiengesellschaft. 228,395; May 31; Serial No. 241,939; published Mar. 22, 1927.

CLASS 22.

Fire starter, Friction. J. C. Ramsey. 228,410; May 31; Serial No. 242,500; published Mar. 22, 1927.
Fish bait, Spoons for artificial. Enterprise Manufacturing Company. 228,488–9; May 31.
Fishing lines (made in England), Gut casting. S. Allcock & Company. 228,287; May 31; Serial No. 230,813; published Mar. 22, 1927.
Fishing lines made of Spanish gut, Casting. S. Allcock & Company. 228,286; May 31; Serial No. 230,812; published Mar. 22, 1927.
Flies, gut hooks, and gut lines, Artificial. S. Allcock & Company. 228,285; May 31; Serial No. 230,811; published Mar. 22, 1927.
Games, Blow-gun target. J. A. Redner. 228,400; May 31; Serial No. 242,211; published Mar. 22, 1927.
Games, Mosaic. E. A. Richter. 65,684; renewed Oct. 15, 1927.
Toys. Dayton Toy & Specialty Company. 228,382; May 31; Serial No. 242,822; published Mar. 22, 1927.

CLASS 23.

Can openers. Whitney-Jarvis Co. 228,492; May 31.
Carburetors. V. L. Carpenter. 228,289; May 31; Serial No. 231,365; published July 20, 1926.
Clamping ment, Apparatus for. B. A. Furiati. 228,448; May 31; Serial No. 244,225; published Mar. 22, 1927.
Engines, Aircraft. A. D. C. Aircraft Limited. 228,392; May 31; Serial No. 241,849; published Mar. 22, 1927.
Filters for filtering fuel for use in internal-combustion engines. Bassick Manufacturing Company. 228,319; May 31; Serial No. 225,341; published Mar. 22, 1927.
Leather-conditioning cabinets. Bentz Engineering Corporation. 228,347; May 31; Serial No. 238,700; published Mar. 22, 1927.
Oil-well equipment. J. P. Ratigan. 228,479; May 31.
Textile machinery and parts thereof. Saco-Lowell Shops. 228,481; May 31.
Tools for reconditioning threads of bolts, axles, hubs, etc. Reiff & Nestor Company. 228,387; May 31; Serial No. 243,115; published Mar. 22, 1927.
Winches and parts thereof. Braden Company. 228,316; May 31; Serial No. 220,991; published Mar. 22, 1927.

CLASS 24.

Washing machines. American Laundry Machinery Co. 228,402; May 31; Serial No. 242,270; published Mar. 22, 1927.

CLASS 26.

Meters and indicators, hydrometers, etc., Combined alcohol. American Solvents & Chemical Corporation. 228,443; May 31; Serial No. 243,521; published Mar. 22, 1927.
Spectacle frames. White-Haines Optical Company. 228,429; May 31; Serial No. 243,906; published Mar. 22, 1927.
Spectacle frames. White-Haines Optical Company. 228,430; May 31; Serial No. 243,908; published Mar. 22, 1927.

CLASS 27.

Watches, parts of watches, and watchcases. A. Wittnauer Co. 64,712–14; renewed Aug. 20, 1927.
Watches, parts of watches, and watchcases. A. Wittnauer Co. 65,110; renewed Sept. 10, 1927.

CLASS 32.

Closets, buffets, tables, chairs, beds, dressers, etc., china. M. Goldberg. 228,312; May 31; Serial No. 206,616; published Mar. 22, 1927.
Furniture. United Manufacturing Company. 228,280; May 31; Serial No. 229,135; published Mar. 22, 1927.
Tables, Household. Finch and Hisey. 228,296; May 31; Serial No. 234,204; published Mar. 22, 1927.

CLASS 33.

Glassware. Graham & Zenger, Inc. 228,291; May 31; Serial No. 231,999; published Mar. 22, 1927.
Tumblers, glasses, bottles, jars, etc. Capstan Glass Company. 228,353; May 31; Serial No. 239,918; published Mar. 22, 1927.

CLASS 34.

Cigar lighters, Vapor. W. H. Clark & Co. 228,482; May 31.
Generators, warm-air circulators, etc., Hot-water. Makin Heating Company. 228,372; May 31; Serial No. 242,543; published Mar. 22, 1927.
Heating-system devices. Tuttle & Bailey Manufacturing Company. 228,304; May 31; Serial No. 240,456; published Mar. 22, 1927.
Heating-system devices. Tuttle & Bailey Manufacturing Company. 228,305; May 31; Serial No. 240,458; published Mar. 22, 1927.
Oil-burning apparatus. Reif Brothers. 228,355; May 31; Serial No. 240,004; published Mar. 22, 1927.
Stoves, burners, and ovens, Gas, oil, and vapor. American Stove Company. No. 62,215; renewed Apr. 23, 1927.

CLASS 35.

Belting. Ton-Tex Corporation. 228,351; May 31; Serial No. 239,438; published Mar. 22, 1927.
Brake linings. Gillette Autoparts Co. 228,486; May 31.
Tire cases and tubes therefor, Pneumatic. Cooper Corp. 228,484; May 31.
Tires and tubes therefor, Automobile. Converse Tire and Rubber Company. 228,389–90; May 31; Serial No. 243,140–1; published Mar. 22, 1927.
Transmission and brake lining. Scandinavia Belting Company. 228,357; May 31; Serial No. 243,173; published Mar. 22, 1927.

CLASS 36.

Pianos. Schumann Piano Company. 64,245; renewed July 30, 1927.

CLASS 37.

Paper. James R. Crompton & Brothers, Limited. 64,014; renewed July 16, 1927.
Paper and mailing envelopes. Raynor & Perkins Envelope Company. 228,378–9; May 31; Serial No. 242,749–50; published Mar. 22, 1927.
Paper and mailing envelopes, Writing. White & Wyckoff Manufacturing Company. 228,358; May 31; Serial No. 243,179; published Mar. 22, 1927.
Paper and stationery. Construction Supplies Company of America. 228,350; May 31; Serial No. 239,237; published Mar. 22, 1927.
Paper, Crepe. Tissue Company. 228,368; May 31; Serial No. 241,361; published Mar. 22, 1927.
Paper for writing and printing purposes and envelopes. Raynor & Perkins Envelope Company. 228,377; May 31; Serial No. 242,748; published Mar. 22, 1927.
Paper, Grass-bleached tissue. James R. Crompton & Brothers, Limited. 63,679; renewed July 2, 1927.
Paper, Tissue. James R. Crompton & Brothers, Limited. 63,710; renewed July 2, 1927.
Papers, Writing and ledger. Woelz Brothers. 228,497; May 31.
Wall coverings of coated paper. Wm. Campbell Wall Paper Company. 228,337; May 31; Serial No. 243,346; published Mar. 22, 1927.

CLASS 38.

Calendars. Buzza Company. 228,272; May 31; Serial No. 227,507; published Mar. 22, 1927.
Comic strip. NEA Service, Inc. 228,432; May 31; Serial No. 243,963; published Mar. 22, 1927.
Magazine. Love Romances Pub. Co. 228,440; May 31; Serial No. 244,233; published Mar. 22, 1927.
Magazine. Spanish-American Publishing Company. 228,425; May 31; Serial No. 243,668; published Mar. 22, 1927.
Magazine articles, Nom de plume for. F-R Publishing Corporation. 228,366; May 31; Serial No. 241,212; published Mar. 22, 1927.
Magazines and books. George Banta Publishing Company. 228,359; May 31; Serial No. 243,190; published Mar. 22, 1927.
Magazines, books, and periodicals. American News Company. 228,445; May 31; Serial No. 243,575; published Mar. 22, 1927.
Newspaper section. King Features Syndicate, Inc. 228,331; May 31; Serial No. 243,160; published Mar. 22, 1927.
Newspaper section published monthly. Allen Business Papers Inc. 228,441; May 31; Serial No. 244,039; published Mar. 22, 1927.
Periodical. Universal Pictures Corporation; 228,426; May 31; Serial No. 243,731; published Mar. 22, 1927.
Publication. American Bakers' Publishing Company. 228,446; May 31; Serial No. 244,646; published Mar. 22, 1927.
Publication. Ceramics Publishing Co. 228,442; May 31; Serial No. 243,996; published Mar. 22, 1927.
Publication. Commerical Reporter. 228,279; May 31; Serial No. 237,655; published Mar. 22, 1927.
Publication. Crandall Pierce & Company. 228,467; May 31; Serial No. 243,419; published Mar. 22, 1927.
Publication. Rand McNally and Company. 228,371; May 31; Serial No. 242,502; published Mar. 22, 1927.
Publication. V. Robinson. 228,356; May 31; Serial No. 243,171; published Mar. 22, 1927.
Publication. J. Henry Schroder Banking Corporation. 228,323; May 31; Serial No. 241,636; published Mar. 22, 1927.
Publication. J. Henry Schroder Banking Corporation. 228,324; May 31; Serial No. 241,638; published Mar. 22, 1927.
Story strip. NEA Service, Inc. 228,453; May 31; Serial No. 243,962; published Mar. 22, 1927.
Telephone spelling charts. T. Serpico. 228,336; May 31; Serial No. 243,325; published Mar. 22, 1927.

CLASS 39.

Apparel, Ladies' wearing. Steinfeld Bros. Inc. 228,413; May 31; Serial No. 236,232; published Mar. 22, 1927.
Booties, caps, sweaters, etc., Infants'. Wolf & Sons Knitting Company. 228,313; May 31; Serial No. 207,112; published Mar. 24, 1925.
Boots and shoes. Churchill and Alden Company. 228,416; May 31; Serial No. 238,487; published Mar. 8, 1927.
Boots and shoes. Huckins & Temple, Inc. 228,463; May 31; Serial No. 243,093; published Mar. 22, 1927.
Clothing, Ladies' and children's outer. M. Rich & Bros. Co. 228,472; May 31; Serial No. 218,372; published Feb. 8, 1927.
Clothing, Men's and boys'. Woolf Brothers, Inc. 228,464; May 31; Serial No. 243,182; published Mar. 22, 1927.
Coats, vests, pants, etc. Cohen, Goldman & Co. Inc. 228,314; May 31; Serial No. 218,471; published Sept. 29, 1925.
Corsets. Mills Corset Company. 228,310; May 31; Serial No. 199,380; published Feb. 1, 1927.
Dresses, coats, and cloaks, Ladies'. B. Heller & Co. 228,469; May 31; Serial No. 243,651; published Mar. 22, 1927.
Gowns, frocks, and dresses. Half Size Dress Co. 228,417; May 31; Serial No. 238,906; published Mar. 22, 1927.
Hats, Ladies', misses'. Standard Hat Company. 228,421; May 31; Serial No. 241,189; published Mar. 22, 1927.
Hats, Women's. William Hengerer Company. 228,424; May 31; Serial No. 242,195; published Mar. 22, 1927.
Hosiery. R. M. Watkins. 228,422; May 31; Serial No. 241,362; published Mar. 22, 1927.
Hosiery. R. Wollstein. 228,462; May 31; Serial No. 243,031; published Mar. 22, 1927.
Hosiery, Women's silk. Davison-Paxon-Stokes Co. 228,418; May 31; Serial No. 239,241; published Mar. 22, 1927.
Knitted goods. Novelty Knitting Co. 65,567; renewed Oct. 8, 1927.
Middies, middy blouses, smocks, and dresses. D. J. Gross. 228,412; May 31; Serial No. 233,731; published Mar. 22, 1927.
Overalls, jackets, pants, and work shirts. C. W. Klemm Incorporated. 228,471; May 31; Serial No. 202,019; published Mar. 22, 1927.
Pants, Baby. I. B. Kleinert Rubber Company. 228,474; May 31; Serial No. 223,789; published Jan. 12, 1926.
Shirts, underwear, drawers, etc. United Shirt Shops Incorporated. 228,315; May 31; Serial No. 219,048; published Jan. 18, 1927.
Soles, Shoe. Avon Sole Company. 228,460; May 31; Serial No. 242,979; published Mar. 22, 1927.

Suits and coats, Men's. Hart, Schaffner & Marx. 228,465; May 31; Serial No. 243,208; published Mar. 22, 1927.

Sweaters and bathing suits. Malden Knitting Mills. 228,468; May 31; Serial No. 243,444; published Mar. 22, 1927.

Underwear. Rice-Stix Dry Goods Company. 228,277; May 31; Serial No. 237,387; published Mar. 15, 1927.

Underwear, Cotton and silk textile. Iris Knitting Corporation. 228,415; May 31; Serial No. 236,938; published Feb. 22, 1927.

CLASS 40.

Embroideries and stamped fabrics Unfinished art. Society Maid Needlecraft Co. 228,423; May 31; Serial No. 241,964; published Mar. 15, 1927.

Needles, pins, hairpins, etc. Hugo Heusch & Cie., G. m. b. H. 228,420; May 31; Serial No. 240,414; published Mar. 22, 1927.

Patterns for embroidery, Transfer. Stemor Company. 228,419; May 31; Serial No. 239,684; published Mar. 15, 1927.

CLASS 42.

Cotton piece goods. Turner Halsey Co. 228,343; May 31; Serial No. 243,463; published Mar. 22, 1927.

Sheetings, Cotton. Columbus Manufacturing Company. 228,293–4; May 31; Serial Nos. 233,111–12; published Mar. 22, 1927.

Silk piece goods. Kramer Bros. & Greenspan, Inc. 228,454; May 31; Serial No. 243,955; published Mar. 22, 1927.

Silk piece goods. Zollinger & Schroth, Inc. 228,455; May 31; Serial No. 243,911; published Mar. 22, 1927.

Silk, silk and cotton piece goods, etc., Artificial-. Chapak Textile Co. 228,309; May 31; Serial No. 175,256; published Mar. 15, 1927.

Textile fabrics. Oriental Silk Printing Company. 228,447; May 31; Serial No. 244,315; published Mar. 22, 1927.

CLASS 44.

Catgut and sewing silk for surgical purposes, Raw. E. Scheffler. 63,539; renewed June 25, 1927.

Denture material. M. F. Patterson Dental Supply Company. 228,335; May 31; Serial No. 243,284; published Mar. 22, 1927.

Dentures and denture parts. Erdle and Prange. 228,470; May 31; Serial No. 243,647; published Mar. 15, 1927.

Hair-waving machines and equipment. S. Lemur Company. 228,477; May 31; Serial No. 241,827; published Mar. 22, 1927.

Pads and trusses in position, Appliances for retaining supporting. J. G. Homan. 228,427; May 31; Serial No. 243,760; published Mar. 15, 1927.

Sanitary napkins. Hospital Specialty Co. 228,338; May 31; Serial No. 243,364; published Mar. 22, 1927.

Sanitary napkins. Kotex Company. 228,428; May 31; Serial No. 243,764; published Mar. 15, 1927.

Sanitary napkins. Paper Novelty Company. 228,466; May 31; Serial No. 243,322; published Mar. 15, 1927.

Sanitary napkins. Sears, Roebuck and Co. 228,339; May 31; Serial No. 243,390; published Mar. 22, 1927.

CLASS 45.

Beverage, Nonalcoholic, maltless. General Citrus Corporation. 228,348; May 31; Serial No. 239,100; published Mar. 22, 1927.

Sirup, grape juice, etc., Raspberry. Seeman Brothers Inc. 228,346; May 31; Serial No. 238,676; published Jan. 25, 1927.

CLASS 46.

Bread. Grocers Baking Company. 228,494; May 31.

Butter and eggs. Hickman & Coward. 228,320; May 31; Serial No. 225,360; published Mar. 15, 1927.

Butterine and oleomargarine. John F. Jelke Company. 65,099; renewed Oct. 15, 1927.

Candy. C. A. Caricari. 228,322; May 31; Serial No. 227,057; published Mar. 22, 1927.

Candy. Junior Candy Company. 228,349; May 31; Serial No. 239,115; published Mar. 22, 1927.

Candy. John G. Woodward & Co. (Inc.) 228,295; May 31; Serial No. 234,068; published Mar. 22, 1927.

Candy and candy bars. Curtiss Candy Company. 228,437; May 31; Serial No. 238,050; published Mar. 22, 1927.

Canned anchovies. Cellas', Inc. 228,495; May 31.

Canned and preserved fruits, vegetables, etc. R. C. Williams & Co. 30,899; renewed July 20, 1927.

Canned fish. L. Avanzino & Bro. Inc. 228,369; May 31; Serial No. 241,466; published Mar. 22, 1927.

Canned fish. Pyramid Packing Company. 228,321; May 31; Serial No. 226,867; published Apr. 6, 1926.

Canned salmon. Alaska Consolidated Canneries, Inc. 228,490; May 31.

Canned sauerkraut juice. Francis H. Leggett & Company. 228,405; May 31; Serial No. 242,377; published Mar 22, 1927.

Canned tunny. M. Felbusch. 228,436; May 31; Serial No. 236,313; published Oct. 26, 1926.

Cereal breakfast food. Hoyland Flour Mills Company. 228,401; May 31; Serial No. 242,232; published Mar. 15, 1927.

Cereal breakfast foods. E. Fowler. 228,393; May 31; Serial No. 241,882; published Mar. 15, 1927.

Coffee. Merchants Coffee Co. 64,745; renewed Aug. 20, 1927.

Coffee. Satisfaction Coffee Co. 228,281; May 31; Serial No. 229,827; published May 18, 1927.

Coffee, spices, food-flavoring extracts, salad dressing, etc. Lincoln Coffee & Spice Mills. 228,317; May 31; Serial No. 222,619; published Feb. 1, 1927.

Custard. E. D. Kohr. 228,478; May 31.

Flour, Pancake, Graham, cake, etc. J. F. Eesley Milling Company. 228,328; May 31; Serial No. 240,599; published Jan. 4, 1927.

Flour, Wheat. Hopkinsville Milling Co. 228,367; May 31; Serial No. 241,282; published Mar. 15, 1927.

Flour, Wheat. Kansas Milling Company. 65,399–400; renewed Sept. 24, 1927.

Flour, Wheat. Kansas Milling Company. 228,360; May 31; Serial No. 243,217; published Mar. 15, 1927.

Flour, Wheat. Rea-Patterson Milling Company. 228,386; May 31; Serial No. 243,113; published Mar. 15, 1927.

Flour, Wheat. Sheffield King Milling Co. 65,512; renewed Oct. 8, 1827.

Fruits, Citrous. Lipow Bros. Fruit Co. 228,341; May 31; Serial No. 243,442; published Mar. 22, 1927.

Fruits, Fresh citrous. Escondido Citrus Union. 228,302; May 31; Serial No. 240,175; published Mar. 15, 1927.

Grapes, plums, and peaches, Fresh. Charles D. Pruner. 228,327; May 31; Serial No. 241,744; published Mar. 22, 1927.

Gum, Chewing. American Chicle Company. 228,292; May 31; Serial No. 232,308; published Mar. 22, 1927.

Lard. John C. Roth Packing Co. 62,185; renewed Apr. 23, 1927.

Lards, butter, hams, bacon, etc. Wm. Schluderberg-T. J. Kurdle Co. 228,307; May 31; Serial No. 166,270; published Mar 15, 1927.

Potatoes, onions, turnips, and apples. F. A. Moss. 228,476; May 31; Serial No. 223,534; published Jan. 11, 1927.

Potatoes, Shoe-string. M. I. Ginsberg. 228,444; May 31; Serial No. 243,540; published Mar. 22, 1927.

Vegetables. Jill Brothers. 228,273; May 31; Serial No. 227,746; published Mar. 22, 1927.

CLASS 48.

Beer. Gabriel Sedlmayr, Brauerei zum Spaten. 62,869–70; renewed May 28, 1927.

Beer, Lager. Leisy Brewing Co. 30,737; renewed Oct. 26, 1927.

Malt beverage. Pabst Corporation. 228,282; May 31; Serial No. 230,115; published Sept. 7, 1926.

Malt beverage. Pabst Corporation. 228,411; May 31; Serial No. 231,338; published Sept. 7, 1926.

Malt extracts, beverages, and sirups. Ohio Malt Products Company. 228,283; May 31; Serial No. 230,406; published Mar. 22, 1927.

Malt sirup for food purposes. Southwark Food Products Co. 228,496; May 31.

ALPHABETICAL LIST OF LABELS.

Alexandria Special—Love at First Sight High Grade Cigarettes. For Cigarettes. A. A. Apostolidis. 32,153; May 31.

American Beauty Ice Cream. For Ice Cream. W. Doane. 32,177; May 31.

Anona Hosiery. For Hosiery. John M. Given Company. 32,186; May 31.

Baby Hum. For Candy Bars. Knowlan Candy Company. 32,188; May 31.

Balanced. For Laying Mash. Farmers Syndicate Inc. 32,182; May 31.

Banner Brand Ice Cream. For Ice Cream. W. Doane. 32,176; May 31.

Bearsrong. For Knit Hosiery. I. Berenson. 32,154; May 31.

Bellevue Dairy Butter. For Butter. W. Doane. 32,167; May 31.

Bird Blend. For Food Tonic for Cage Birds. H. L. Borini. 32,156; May 31.

Bleachtex. For Toilet Paper. Fort Howard Paper Company. 32,183; May 31.

Capitol Creamery Butter. For Butter. W. Doane. 32,163; May 31.

Chef and Cup. For Coffee. Thomas M. Royal & Co. 32,202; May 31.

Country Queen. For Canned Beets. J. M. Paver Company. 32,200; May 31.

Country Queen. For Canned Blackberries. J. M. Paver Company. 32,201; May 31.

Dairyland Creamery Butter. For Butter. W. Doane 32,165; May 31.

Dakota Sunshine Honey. For Honey. F. H. Smith & Sons. 32,205; May 31.

Eagle Creamery Butter. For Butter. W. Doane. 32,172; May 31.

First Class Butter. For Butter. W. Doane. 32,166; May 31.

Girl and Cup. For Coffee. Thomas M. Royal & Company. 32,203; May 31.

Home Made Ice Cream. For Ice Cream. W. Doane. 32,170; May 31.

Itsnog. For a Sirup for Making Beverages and for Flavoring. J. F. Abbott. 32,152; May 31.

Leader Brand Butter. For Butter. W. Doane. 32,173; May 31.

Lek Wunder Wite. For Shoe Cleaning and Whitening Preparation. N. A. Frankel. 32,185; May 31.

Merion Brand Creamery Butter. For Butter. W. Doane 32,162; May 31.

Monument Carbon Paper and Typewriter Ribbons. For Carbon Paper and Typewriter Ribbons. Monument Ink Company. 32,192; May 31.

Nicco Ice Cream. For Ice Cream. W. Doane. 32,178; May 31.

Old Reliable Creamery Butter. For Butter. W. Doane. 32,161; May 31.

OSF Monogram Mayonnaise. For Mayonnaise. O. S. Fowler. 32,184; May 31.

Powdered Milk. For Powdered Milk. Challenge Cream & Butter Association. 32,157; May 31.

Pulvolds No. 373 Natrico. For Medicinal Preparation. Drug Products Co. Inc. 32,181; May 31.

Quick Polishing Powder. For Polishing Powder. F. Nack, jr. 32,193; May 31.

Roman. For Oranges. E. R. Nash. 32,194; May 31.

San Giusto. For Salad Oil. J. Di Santo. 32,160; May 31.

Saxon. For Oranges. E. R. Nash. 32,195; May 31.

See It In Glass—Buy It In Tin. For Canned Black Raspberries. J. M. Paver Company. 32,196; May 31.

See It In Glass—Buy It In Tin. For Canned Fancy Sugar Peas. J. M. Paver Company. 32,197; May 31.

Select Creamery Butter. For Butter. W. Doane. 32,164; May 31.

Select Dairy Butter. For Butter. W. Doane. 32,169; May 31.

Selmo Healing Ointment. For a Salve for Itching or Irritating Skin. S. Chulick. 32,158; May 31.

Skidoo Creamey Cleanser. For Cleaning Paste. Skidoo Company. 32,204; May 31.

Smith's Brand Ice Cream. For Ice Cream. W. Doane. 32,175; May 31.

Special Barley Malt Extract. For Malt Extract. E. S. Clever. 32,159; May 31.

Springer's Creamery Butter. For Butter. W. Doane. 32,174; May 31.

Sun Proof Genuine Kraft Raisin Tray Paper. For Paper Raisin Trays. Zellerbach Paper Company. 32,208; May 31

Sunset Brand Butter. For Butter. W. Doane. 32,171; May 31.

Supreme Ice Cream. For Ice Cream. W. Doane. 32,180; May 31.

The L & B Hose. For Hosiery. L. & B. Hosiery Co. Inc. 32,190; May 31.

The Warner Dairy Butter. For Butter. W. Doane. 32,168; May 31.

The Wholesome Kind Creamery Butter. For Butter. W. Doane. 32,170; May 31.

Tho-Ro Textile and Fabric, Chemical Dry Cleaning Fluid. For a Cleaning Fluid for Fabrics. J. I. Blanck. 32,155; May 31.

Thunderbolt. For Tire Patch. F. J. Hagerling. 32,187; May 31.

Tru-Tone. For Hair Color Restorer. Tru-Tone Products Company. 32,206; May 31.

Trysom. For Canned Gooseberries. J. M. Paver Company. 32,198; May 31.

Trysom. For Canned Peas. J. M. Paver Company. 32,199; May 31.

Unequalled Brand Ironing Board Cover. For Ironing-Board Covers. H. Kobrin. 32,189; May 31.

Van Dyke. For Radio Tubes. Menasha Printing and Carton Company. 32,191; May 31.

Westbrook's Playing Card Target. For a Game. A. Westbrook. 32,207; May 31.

ALPHABETICAL LIST OF PRINTS.

Battle Creek Sanitarium Health Foods. For Health Foods. Battle Creek Food Co. 9,859; May 31.

Chase's Candy Menu Stand. For Candy. Chase Candy Company. 9,862; May 31.

Daughter May Catch Disease from that Banister. For Washing Powder. Gold Dust Corporation. 9,865; May 31.

Don't Just Buy 'Underwear.' For Athletic Underwear. B. V. D. Company. 9,860; May 31.

Flit—Kill Insects! They Spread Disease. For Insecticide. Standard Oil Company (New Jersey). 9,872; May 31.

For Dessert My-T-Fine. For Dessert Preparations. D & C Co. 9,863; May 31.

Liberty Root Beer. For Root Beer. Richardson Corporation. 9,871; May 31.

Make Baby Safe. For Washing Powder. Gold Dust Corporation. 9,869; May 31.

Nation Wide Service Grocers. For Groceries. E. C. Hall Company. 9,870; May 31.

That Spot May Mean Sickness for Baby. For Washing Powder. Gold Dust Corporation. 9,864; May 31.

The Doctor Warns. For Washing Powder. Gold Dust Corporation. 9,866; May 31.

The Neckline of Beauty. For a Sapphire and Diamond Necklace. Black, Starr & Frost. 9,861; May 31.

Watch Out. For Washing Powder. Gold Dust Corporation. 9,868; May 31.

Where Other Hands Have Touched—Disease Germs Threaten. For Washing Powder. Gold Dust Corporation. 9,867; May 31.

Your Motor Cries For. For Lubricating Oil. J. T. Aultman. 9,858; May 31.

Your Motor Smiles with. For Lubricating Oil. J. T. Aultman. 9,857; May 31.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal excepting smithing coal. Pittsburgh Coal Company. 246,430–4; May 31.

Mass-molding composition with pyroxylin base. Du Pont Viscoloid Company. 246,896; May 31.

CLASS 2.

Servers, Ice-cream-cone. F. C. Traver Paper Company. 246,514; May 31.

CLASS 3.

Bags, children's toy bags, etc., Women's marketing and shopping. S. Blechman & Sons, Inc. 247,249; May 31.

CLASS 4.

Metal polish, auto top dressing, etc. Gardner Manufacturing Co. 241,819; May 31.

Waterproofing composition. Norwegian Leather Waterproofing Company. 240,998; May 31.

CLASS 6.

Antiseptic and mouth wash, Liquid. M. B. Picker. 239,823; May 31.

Clay face pack, a hairdressing, and a shampoo, White-. L. E. Blackmer. 245,422; May 31.

Cough sirup and pectoral tea. A. Cools. 243,418; May 31.

Cream, skin compound, etc., Cold. A. J. Spain. 246,283; May 31.

Dentifrices and mouthwashes. Wm. S. Merrell Company. 246,559; May 31.

Flotation reagents. American Cyanamid Company. 247,057–8; May 31.

Herb pills. A. Slawatycki. 245,867; May 31.

Insecticide. Roestock Products Mfg. Co. 247,970; May 31.

Insecticides. Beaver Products Company of Virginia Inc. 247,662; May 31.

Insecticides. E. S. Taufert. 234,236; May 31.

Laxative. Richards, Inc. 246,569; May 31.

Laxatives. H. L. Fischer. 246,824; May 31.

Liniment. J. F. Bingham. 246,066; May 31.

Lotion, Eye. W. E. Garretson. 243,599; May 31.

Magnesia, Emulsion of. Eppenbach, Inc. 247,790; May 31.

Medicinal preparation. N. B. Shrimplin. 247,871; May 31.

Medicinal preparation for use as a tonic, aid for stomach troubles, etc. R. L. Sacra. 247,709; May 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Medicine for piles. Wenner and Shadwell. 247,766; May 31.
Medicine for use in the treatment of piles. Dux-It Company. 247,678; May 31.
Medicine, Poultry. Concentrate Products Company. 246,391; May 31.
Medicines, Antirheumatic, analgesic, and antipyretic. Bayer Company. 235,875–6; May 31.
Mouth wash and dental pastes. S. J. Muroff. 245,998; May 31.
Oil and a preparation for treating dandruff, falling hair, etc., Pressing. L. K. Jackson. 247,436; May 31.
Perfumery, toilet lotions, etc. J. M. Lupus. 241,232; May 31.
Perfumes. M. Loewe. 242,731; May 31.
Pharmaceutical substances. Société Belge des Produits Rationnels Société Anonyme Ahin-lez-Huy. 245,165; May 31.
Plasters, Medicated. Painpatch, Incorporated. 247,631; May 31.
Powder, Dental. F. M. Lindersmith. 243,956; May 31.
Preparation for treatment of poison-oak infections, etc. A. M. Null. 244,021; May 31.
Salt. Leslie-California Salt Co. 242,012; May 31.
Salve. Harrison Chemical Co. 247,186; May 31.
Tablets for the treatment of colds, headache, and la grippe. Roger Bros. 247,101; May 31.
Toilet preparations. Storz Laboratories. 242,863; May 31.
Tonic. I. L. Hill. 247,692; May 31.
Tonic, Hair. Capillo Manufacturing Co. 246,014; May 31.
Tonic, hair powder, astringent remedies, face powder, tissue cream, etc., Hair. Bliss Laboratories, Inc. 229,491; May 31.
Tonic to the reproductive system, Vitalizing. Capillo Manufacturing Co. 246,013; May 31.
Vermifuge, Poultry. Concentrate Products Co. 246,392; May 31.
Witch-hazel, milk of magnesia, U. S. P., cod-liver oil, etc., Extract. Wolf-Thomen Incorporated 246,376; May 31.

CLASS 9.

Revolvers and shotguns. Iver Johnson's Arms & Cycle Works. 229,633; May 31.

CLASS 10.

Bacteria used for inoculating seeds of leguminous plants, Culture of. M. Scherago. 217,216; May 31.

CLASS 11.

Carbon paper and typewriter ribbons. Non-Smut Carbon Mfg. Co. 246,494; May 31.

CLASS 12.

Brick and tile. American Enameled Brick & Tile Company. 246,524; May 31.
Plaster board, wall board, and roofing. Goodfellow Lumber Company. 246,746; May 31.

CLASS 13.

Strainers and fry baskets. Hamblin & Russell Manufacturing Company. 236,371; May 31.
Valve caps, Tire-. S. C. McAlpine. 246,697; May 31.

CLASS 14.

Alloys, Precious-metal. National Smelting & Refining Corp. 244,089; May 31.
Aluminum. Aluminum Industries, Inc. 246,947; May 31.
Aluminum ingots. Aluminum Company of America. 246,584; May 31.

CLASS 15.

Gasoline, kerosene, oils, etc. Cincinnati Vulcan Company. 244,492; May 31.
Oil, Lubricating. Armould Oil Company. 245,319; May 31.
Oils and greases, Lubricating. J. G. Dintilhac. 242,883; May 31.
Oils and greases, Lubricating. United States Gasoline Corp. 233,516; May 31.

CLASS 16.

Paint, floor wax, varnish, etc. John Lucas and Company. 244,448; May 31.
Paints, Ready-mixed. Keystone Varnish Company. 245,792; May 31.
Paints, varnishes, and lacquers, Dry, paste, and ready-mixed. H. Reichhold. 227,475; May 31.
Polish, Piano, furniture, and automobile. I. Netzorg. 246,111; May 31.
Varnish, linoleum varnish, paint enamel, varnish stain, and lacquer, Clear. Republic Paint & Varnish Works. 229,930; May 31.

CLASS 17.

Cigarettes, cheroots, little cigars, and smoking and chewing tobacco. M. Simpson. 246,574; May 31.
Cigars. John H. Swisher & Son, Incorporated. 247,296; May 31.

CLASS 19.

Automobiles. Reo Motor Car Company. 245,029; May 31.

CLASS 21.

Batteries, Electric. A. H. Luhrman. 246,616; May 31.
Electric heaters and vaporizers. As-Ke Fuemer Company. 246,379; May 31.
Electric insulating molding compounds. Colasta Co. Inc. 240,698; May 31.
Electric switches. Minneapolis Heat Regulator Co. 241,779; May 31.
Electron tubes. Zetka Laboratories, Inc. 243,183; May 31.
Incubators and brooders. Thermo-Electric Company. 237,136; May 31.
Insulating varnish. Standard Insulation Company. 243,395; May 31.
Plugs, appliance cords, lamp receptacles, etc., Attachment. Eagle Electric Mfg. Co. 241,267; May 31.
Radio apparatus, parts, and supplies. Manda Radio Manufacturing Company. 212,628; May 31.
Radio detecting, rectifying, and amplifying tubes. Arcturus Radio Company. 246,527; May 31.
Radio equipment. Elec-Tru-Tone Corporation. 246,271; May 31.
Radiotransformers, receiving sets, loud speakers, etc. Electrical Research Laboratories, Inc. 246,742; May 31.
Radio variable condensers. Pearl Radio Condenser Co. Inc. 231,277; May 31.
Switch systems for heat regulation and safety control of heating plants. Minneapolis Heat Regulator Co. 241,780; May 31.
Switches. Minneapolis Heat Regulator Co. 241,782; May 31.
Switches and fuses, Electric. W. N. Matthews Corporation. 244,563; May 31.

CLASS 22.

Game. G. H. Renz. 243,170; May 31.

CLASS 23.

Drills, reamers, end mills, reducers, Twist. Whitman Barnes-Detroit Corporation. 245,675–7; May 31.
Fountains, Automatic soda. Wyandotte Automatic Fountain Company. 243,517; May 31.
Handles or holders for tools, etc., Clamps. Thomas Mfg. Company. 246,647; May 31.
Hoists, Hand. Beebe Bros. 247,726; May 31.
Liquid straining and filtering apparatus. Auto-Klean Strainers, Limited. 243,918; May 31.
Oil-field equipment. Walter O'Bannon Co. 246,357; May 31.
Razors. K. C. Seelbach Company. 245,810; May 31.
Sewing machines. White Sewing Machine Corporation. 244,587; May 31.
Woodworking machines, American Saw Mill Machinery Company. 247,304; May 31.

CLASS 24.

Ironing-board covers. Jordan Marsh Company. 247,481; May 31.
Washing machines. Freed-Eisemann Radio Corporation. 247,009; May 31.

CLASS 26.

Photographic papers, Light-sensitive. Eastman Kodak Company. 246,397; May 31.
Photographic papers, Sensitized. A. Bloch. 245,136; May 31.
Picture films, Motion-. Metro-Goldwin Pictures Corporation. 246,106; May 31.
Rules. Master Rule Mfg. Co. Inc. 241,488; May 31.

CLASS 27.

Clocks, Automobile. Phinney-Walker Company. 245,105; May 31.
Watchcases. L & L Watch Case Company. 243,095; May 31.
Watches and parts thereof. Waltham Watch Company. 238,928; May 31.
Watches, watchcases, and clocks. Rosen & Steinberg. 245,864; May 31.

CLASS 28.

Bracelets, lorgnette chains, studs, scraf pins, etc., Watch. Taylor & Co. 245,668; May 31.
Cigarette cases, cigar lighters, and match cases. Marathon Co. 246,103; May 31.
Jewelry. Hess & Wiener, Incorporated. 245,210; May 31.

CLASS 29.

Brushes, Shaving. Rubber and Celluloid Products Company. 246,848; May 31.
Toothbrushes. Rubber and Celluloid Products Company. 246,849; May 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 31.

Refrigerators. A. C. Wicke Manufacturing Company. 245,945; May 31.
Refrigerators and refrigerator parts. Electric Refrigeration Corporation. 244,607; May 31.

CLASS 32.

Chairs, Upholstered. Indian Splint Inc. 247,859; May 31.
Loud-speaker cabinets. Borkman Radio Corporation. 245,138; May 31.
Mattresses. United Mfg. Co. 247,648; May 31.
Mirrors and picture frames, Hand. Du Pont Viscoloid Company. 244,818; May 31.

CLASS 33.

Glass electric-light globes. Commercial Lighting Corporation. 246,529; May 31.
Goblets, Glass footed. Federal Glass Company. 246,541–2; May 31.

CLASS 34.

Burners, Petroleum-oil. Petroleum Heat and Power Company. 247,142; May 31.
Gallery riser vents for auditoriums. Knowles Mushroom Ventilator Co. 240,916; May 31.
Gas-burning water heaters, air and gas mixers, etc. Geo. D. Roper Corporation. 225,803; May 31.
Oil-burning equipment. Monarch Mfg. Works, Inc. 246,700; May 31.
Stoves and ranges. W. J. Loth Stove Company. 238,795; May 31.

CLASS 35.

Inner tubes and tires, Rubber. Gates Rubber Company. 247,535; May 31.
Tire casings. Sterling Tire Corporation. 243,981; May 31.

CLASS 36.

Musical instruments. Vincent Bach Corporation. 246,138; May 31.
Patent heads, tailpieces, string pegs, guitar steels, etc., for musical instruments. Waverly Musical Products Co. 245,307; May 31.
Phonographs, talking machines, records, etc. H. Ray. 240,680–1; May 31.
Pianos. H. C. Evans & Company. 245,701; May 31.

CLASS 37.

Books and blank forms, Blank. G. M. Schaff. 211,379; May 31.
Card indexes, guide cards, etc. Duradex Company. 247,364; May 31.
Envelopes, Mailing. Tension Envelope Co. Inc. 241,190; May 31.
Index cards, guides, folders, and sheets. Filing Equipment Bureau Incorporated. 247,423; May 31.
Moistening and/or serving adhesive or gummed tape, labels, and like strip material, Devices for. Nashua Package Sealing Co. Inc. 247,809; May 31.
Pads, Score. J. V. Finley. 247,268; May 31.
Paper and tracing cloth, Tracing. Acme Blue Print Paper Co. 247,157; May 31.
Paper tape and cloth tape, Gummed. Wortendyke Mfg. Co. 247,724; May 31.
Paper, Toilet. A. W. Lovejoy. 215,413; May 31.
Paper, Toilet. Universal Crepe & Tissue Mills, Inc. 247,718; May 31.
Pens and pencils, Fountain. L. E. Waterman Company. 247,651; May 31.
Sponge cups. Sengbusch Self-Closing Inkstand Company. 242,025; May 31.

CLASS 38.

Lithographs and halftone photolithographs. Edwards & Deutsch Lithographing Company. 241,204; May 31.
Magazine. Johnston Export Publishing Co. 245,991; May 31.
Magazine. New South Publishing Co. 246,045; May 31.
Mottoes, Gift. Buzza Company. 234,373; May 31.
Mottoes, Gift. Buzza Company. 234,376; May 31.
Newspaper. Carter Publications, Inc. 246,528; May 31.
Periodical. Carlton Mills, Inc. 247,066; May 31.
Periodical. E. G. Lenzner. 246,914; May 31.
Publication. Engineering Magazine Company. 193,276; May 31.
Publication. Radio Dealers Publishing Co. 246,225; May 31.

CLASS 39.

Belts in the nature of garment supporters. I. Leibovitz. 245,357; May 31.
Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Company. 245,491; May 31.
Clothing, Men's and boys', Montgomery Ward & Co. 229,454; May 31.
Coats, capes, etc., Fur. I. Markowitz. 246,170; May 31.
Collar bands. C. F. Hovey Co. 247,473; May 31.
Collars and shirts. Hall, Hartwell & Co. Inc. 247,081–4; May 31.
Dresses. Arthur Cohen Dress Corporation. 245,620; May 31.
Dresses. Charles Salomon & Co. Inc. 245,619; May 31.
Dresses, Ladies'. L. Feit. 247,129; May 31.
Gloves. Ely & Walker Dry Goods Company. 246,272; May 31.
Gloves, Men's cotton. Ely & Walker Dry Goods Company. 245,785–7; May 31.
Hats, Ladies'. Quaker Hat Co. 240,364; May 31.
Hats, underwear, gloves, etc., Women's. H. D. Rosenberg. 241,356; May 31.
Hosiery. Bear Brand Hosiery Co. 247,160; May 31.
Hosiery. John M. Given Company. 247,075; May 31.
Hosiery. Interwoven Stocking Company. 245,988; May 31.
Hosiery. Starr Knitting Mills, Inc. 247,224; May 31.
Hosiery. A. V. Victorins & Company. 246,791; May 31.
Hosiery, Silk. Artsil Hosiery Mills, Inc. 246,145; May 31.
Hosiery, underwear, and sweaters. Clift & Goodrich, Inc. 233,763; May 31.
Shoes. F. G. Delbon. 238,011; May 31.
Shoes. Dr. A. Posner Shoes Inc. 229,464; May 31.
Soles for boots and shoes. Avon Sole Company. 247,515; May 31.
Stockings. Rufus W. Scott Company. 235,236; May 31.
Suits, Men's and young men's. L. J. & C. D. Jaffee, Inc. 245,989; May 31.
Suits, Men's and young men's. Middishade Company. 247,279; May 31.
Suits, overcoats, and topcoats. De Luxe Clothing Manufacturing Company. 243,200; May 31.
Undergarments, dresses, suits, etc. C. C. Hollidge. 244,157; May 31.
Underwear. Step-In-All Underwear Corp. 245,869; May 31.

CLASS 40.

Bias-fold tapes and trimmings of fabric. William E. Wright and Sons Company. 244,908; May 31.
Braids. Amberg, Schwab & Co. 247,352; May 31.
Dress shields. C. F. Hovey Co. 247,474; May 31.
Pins, Brass. J. C. Penney Company. 246,977–8; May 31.
Tape, Bias-fold. Jordan Marsh Company. 247,543; May 31.

CLASS 41.

Umbrellas. S. Blechman & Sons, Inc. 247,253; May 31.

CLASS 42.

Awning stripes and ticking. John Boyle & Company Incorporated. 211,012; May 31.
Cotton and silk and cotton mixtures in the piece. E. Lichtig. 238,381; May 31.
Cotton piece goods. C. M. & H. London & Co. 240,358; May 31.
Cotton piece goods. Stein, Doblin & Co. 247,831; May 31.
Linen canvas in the piece. James F. White & Co. Inc. 242,699; May 31.
Rugs and carpets, Textile. O. Donelian & Co. 238,573–4; May 31.
Sheeting and drillings. Franklin Mills. 248,170; May 31.
Silk piece goods. Zollinger & Schroth, Inc. 247,587; May 31.
Textile padding, sheeting, apron duck, etc. Laundry Service Corporation. 247,028; May 31.
Textile sheets and pillowcases. Androscoggin Mills. 246,807; May 31.
Textile upholstery padding. D. R. F. Fowler. 230,664; May 31.
Webbing, Wide elastic. Ansonia O & C Company. 247,769; May 31.

CLASS 44.

Belt, Electromagnetic health. Magna-Ray Co. 247,800; May 31.
Rolls for dental use, Absorbent wood-fiber. Associated Dental Products, Inc. 245,242; May 31.
Sanitary belts. C. F. Hovey Co. 247,475; May 31.
Sanitary napkins. L. Deutsch. 247,785; May 31.
Sanitary napkins. Druggists' Supply Corporation. 247,526; May 31.

CLASS 45.

Beverage and sirup for making the same, Chocolate. Corn Products Refining Company. 247,069; May 31.
Beverage sold as a soft drink and sirup for making the same. Fort Dodge Bottling Works. 247,733; May 31.
Beverages and sirup for making same. J. L. Reed. 247,868; May 31.

CLASS 46.

Beans, Dried. Chatterton & Son. 244,667; May 31.
Bread. Continental Baking Co. 246,016; May 31.
Bread. Smith's Bakery, Inc. 247,576; May 31.
Bread, rolls, and cake. Dugan Brothers, Inc. 246,470; May 31.
Butter. Miami Valley Cooperative Milk Producers Association. 246,172; May 31.
Cakes and cake mixture. C. F. West. 246,522; May 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Candy. J. S. Auerbach. 244,736; May 31.
Candy and candy bars. Curtiss Candy Company. 240,538; May 31.
Candy, Chocolate-covered jelly-filled. J. Kalkanian. 245,720; May 31.
Canned and smoked fish. Van Camp Sea Food Co. Inc. 247,650; May 31.
Canned apples, apricots, blueberries, cherries, grapefruit, etc. Twitchell-Champlin Company. 231,413; May 31.
Canned corn. Warrensburg Canning Co. 246,863; May 31.
Canned fruits. United States Products Corporation. 237,481; May 31.
Canned fruits. Wenatchee Packing Corporation. 247,982; May 31.
Canned fruits. Wenatchee Packing Corporation. 247,984; May 31.
Canned meats and vegetables for cats and dogs. California Animal Products Co. 245,081; May 31.
Canned vegetables, berries, fruit, etc. Schwabacher Bros. & Co. Inc. 232,[illegible]3; May 31.
Canned vegetables, fruits, berries, salmon, etc. Baker Brothers Company. 245,826; May 31.
Cheese. Marsh & Marsh. 246,424; May 31.
Cheese made from cow's milk. Phenix Cheese Corporation. 247,097; May 31.
Chocolate sirup or confection. Corn Products Refining Company. 240,806; May 31.
Coffee. Atwood & Company. 242,874; May 31.
Cookies. Robert A. Johnston Co. 241,725; May 31.
Currants and mincemeat, Dried. W. H. Marvin Company. 246,488–90; May 31.
Egg compound. R. Hellmann. 246,550; May 31.
Eggs. R. M. Weber. 245,603; May 31.
Feed and mule feed, Horse. Grain Belt Mills Company. 247,844; May 31.
Feed and mule feed, Horse. Grain Belt Mills Company. 247,847; May 31.
Feed, Dairy. Grain Belt Mills Company. 247,846; May 31.
Feed, Dairy. Grain Belt Mills Company. 247,848; May 31.
Feed, Dairy. Grain Belt Mills Company. 247,852; May 31.
Feed, Horse and mule. Grain Belt Mills Company. 247,850; May 31
Feed, Horse and mule. Grain Belt Mills Company. 247,853–4; May 31.
Fish, Fresh, canned, dried, salted, smoked, and frozen. Ripley Fish Co. 244,788; May 31.
Flavoring extracts. J. F. Lazier Manufacturing Co. 245,913; May 31.
Flour, Self-rising pancake and waffle. S. M. Phillips. 222,797; May 31.
Flour, Wheat. Commander Mill Company. 233,812; May 31.
Flour, Wheat. Dixie-Portland Flour Co. 246,822; May 31.
Flour, Wheat. Southwestern Milling Company. 246,182; May 31.
Flour, Wheat. Texas Star Flour Mills. 242,926; May 31.
Flour, Wheat. Texas Star Flour Mills. 246,134; May 31.
Flour, Wheat. Washburn Crosby Company. 246,059; May 31.
Flour, Wheat, Graham, rye, etc. Texas Star Flour Mills. 246,133; May 31.
Frozen products similar to ice cream. Las-Kon-Ice. Inc. 247,333; May 31.
Fruits, Dried. Sun-Maid Raisin Growers of California. 240,102; May 31.
Gelatin. Essex Gelatine Company. 246,339; May 31.
Gum, Chewing. American Chicle Company. 247,659; May 31.
Ice-cream confection. Reid Ice Cream Corporation. 246,227; May 31.
Mayonnaise, Thousand-Island dressing, and vegetable-chow relish. J. L. Gunn. 246,402; May 31.
Meats, Smoked and cured. Kingan & Co. Incorporated. 230,673; May 31.
Milk, Powdered skim. Brown and Bailey Condensed Milk Company. 235,880; May 31.
Milk tablets, Compressed malted. Kraft Milk Products Co. 246,097; May 31.
Mush. D. C. Jackson. 244,772; May 31.
Nougats, preserves, etc. Hijos of Antonio Esteva y Oliver. 239,108; May 31.
Nut kernels in the natural state for food. Gill & Duffus. 245,836; May 31.
Oil, Olive. Capsalis Brothers. 246,330; May 31.
Oil, Olive. G. Granucci. 246,025; May 31.
Peanut butter and prepared mustard bran. Bayle Food Products Co. 243,580; May 31.
Peanuts (roasted and raw) and peanut butter. H. A. Robinson Company. 235,753; May 31.
Peanuts, Salted. E. F. Kemp. 247,430; May 31.
Preparation for making pie fillings and puddings. Good Luck Food Co. 237,100; May 31.
Spices and cocoa. Naamlooze Vennootschap Export- en Import-Maatschappij Alberto Aders & Co. 244,462; May 31.
Wheat, Ground. A. Duetschler. 247,606; May 31.

CLASS 48.

Malt extract. R. Goodman. 246,831; May 31.
Malt extract or sirup. Froedtert Grain & Malting Company. 230,880; May 31.
Malt sirup. Ben-Burk, Inc. 247,407; May 31.
Malt sirup. Oshkosh Brewing Company. 247,283; May 31.
Malt sirup, Hop-flavored. Red Sun Products Company. 243,887; May 31.
Malted beverages. D. Bordagaray. 247,163; May 31.

CLASS 49.

Whisky. Kentucky Holding Corporation. 246,031–2; May 31.

CLASS 50.

Tents and tent structures. C. J. Holgaard Company. 246,611; May 31.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Adams, Henry, Plainfield, N. J. Method and apparatus for fuel burning. 1,603,509; May 31.
Adler, Hazel H., New York, N. Y. Determining color combinations. 1,630,247; May 31.
Aeromotor Company. (See Scholes, Daniel R., assignor.)
Aguilar, Narciso C., Mexico City, Mexico. Blood transfusion. 1,630,248; May 31.
Airship Guarantee Company. (See Wallis, Barnes N., assignor.)
Ajax Trucks Limited. (See Kimber, Walter E., assignor.)
Akron Tyrwelder Company, The. (See Wheelock, Herbert K., assignor.)
Aktiebolaget Gasmätare. (See Johanson, Georg K. V., assignor.)
Aldeen, Wilhelm G., assignor to National Lock Co., Rockford, Ill. Hinge-making machine. 1,630,883; May 31.
Alleman, William H., Ingalls, Mich. Attachment for gas engines. 1,630,286; May 31.
Allen, Grosvenor N., Oneida, N. Y. Spoon or similar article. Des. 72,747; May 31.
Allen, Victor M., Waverly, N. Y. Window ventilator. 1,630,594; May 31.
Aluminum Company of America, The. (See Collins, Rollin E., assignor.)
Aluminum Company of America. (See Stay, T. D., and Tessler, assignors.)
Amdursky, Samuel S., assignor to Taylor Instrument Companies, Rochester, N. Y. Filter. 1,630,287; May 31.
American Automatic Lock and Lift Company. (See Bennett, George E., assignor.)
American Brass Company, The. (See Bassett, William H., Jr., assignor.)
American Brass Company, The. (See Coe, James R., assignor.)
American Cyanamid Company. (See Collins, Charles D., assignor.)
American Machine and Foundry Company. (See Di Ianni, Frank, assignor.)
American Machine & Foundry Company. (See Ogden, Ashley G., assignor.)
American Manganese Steel Company. (See Pfeil, Henry C., assignor.)
American Manganese Steel Company. (See Rorabeck, Claude, assignor.)
American Optical Company. (See Fraser, Frank, assignor.)
American Optical Company. (See Gunning, William A., assignor.)
American Optical Company. (See Laabs, Max A., assignor.)
American Optical Company. (See Sangren, Harry A., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Radiator Company. (See Sutton, William S., assignor.)
American Schaeffer & Budenberg Corporation. (See Milker, Herbert, assignor.)
American Seeding Machine Company, The. (See Jones, Henry D., assignor.)
American Smelting and Refining Company. (See Forbes, Gordon B., assignor.)
American Steel and Wire Company of New Jersey, The (See Howe, James F., assignor.)
American Telephone & Telegraph Company. (See Fish, Lewin B., assignor.)
American Telephone and Telegraph Company. (See Hall, Merton C., assignor.)
American Telephone and Telegraph Company. (See Rhodes, William A., assignor.)
American Voith Contact Company. (See Grewin, Fredrik, assignor.)
Ames, George H., Brooklyn, N. Y. Barrel closure. 1,630,510; May 31.
Anderson, Carl. (See Blume, E. E., and Anderson.)
Anderson, John N., Methuen, Mass. Making bobbins. 1,630,810; May 31.
Andrews, Harry D., Cincinnati, Ohio. Display device. 1,630,917; May 31.
Andrews, Linwood M., Chicago, Ill. Stand mirror. Des. 72,748; May 31.
Angus, Arthur R., Westminster, London, England. Control of trains. 1,630,511; May 31.
Aninger, Friedrich, Markt Triebendorf, Czechoslovakia. Shuttle-changing device for looms. 1,630,918; May 31.
Antonio, Ramon G., Manila, P. I. Clip and pencil for fountain pens. 1,630,413; May 31.
Appleton Manufacturing Company. (See Sperry, Herbert B., assignor.)
Abram, Otto. (See Foresman, R. A., and Aram.)
Aram, Otto, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Underfeed stoker. 1,630,774; May 31.
Arkell Safety Bag Company. (See Wandell, Kurt, assignor.)
Arkema, Harold P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating dies. 1,630,775; May 31.
Aronson, Louis V., Newark, N. J., assignor to Voices Incorporated. Voice mechanism. 1,630,250; May 31.
Aulbach, Charles J., assignor to Passaic Metal Ware Company, Passaic, N. J. Container. 1,630,687; May 31.
Ault, Forest F., Wilmette, assignor to The Borrowmite Company of America, Chicago, Ill. Mechanism and process for effecting regeneration. 1,630,512; May 31.
Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact brush and making same. 1,630,460; May 31.
Auto Roller Awning Manufacturing Company, The. (See Clementi, C. L., and Hildebrandt, assignors.)
Automatic Paper Machinery Company. (See Marcalus, Nicholas, assignor.)
Ayres, Arthur U. (See Jones, L. D., and Ayres.)
Babbitt, John F., assignor to J. V. Pilcher, Louisville, Ky. Golf-club shaft. 1,630,249; May 31.
Babcock, Arthur E., Dolores, Colo. Safety starting crank for internal-combustion engines. 1,630,595; May 31.
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Bach, William F., Cleveland Heights, Ohio. Hanger for wall radiators. 1,630,919; May 31.
Bacon, Frederick J., and David L. Day, Groton, Conn. Snare drum. 1,630,461; May 31.
Baier, Walter, New York, N. Y. Tool. 1,630,414; May 31.
Baker, Butler, Haymarket, Va. Clothes form. 1,630,820; May 31.
Baker, Harry L., Elmira, N. Y., assignor to Owen Card Publishing Co. Inc. Display box. 1,631,080; May 31.
Baker-Vawter Company. (See Steenrod, William J., assignor.)
Baldwin, George E., Plainfield, N. J., assignor to J. Robinson, Westmount, Quebec, Canada. Train-pipe connecter. 1,630,998; May 31.
Balogh, Louis, assignor of one-fourth to J. Katona, one-eighth to I. Pacozdi, and one-eighth to I. Pacozdi, Niagara Falls, Ontario, Canada. Resilient wheel for bicycles. 1,630,920; May 31.
Baltimore & Ohio Railroad Company. (See Dennis, Olive W., assignor.)
Balzer, Fritz, Moline, assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Door mechanism for washing machines. 1,630,513; May 31.
Banff, Peter, Chicago, Ill. Antiseptic adhesive tape. 1,630,596; May 31.
Banff, Peter, Chicago, Ill. Adhesive tape. 1,630,597; May 31.
Bannon, Thomas C., et al. (See Dixon, Abner F., assignor.)
Barber-Greene Company. (See Barber, Harry H., assignor.)
Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Loader. 1,630,598; May 31.
Barber, Mabel C., Chicago, Ill. Mattress retainer. 1,630,462; May 31.
Barlow, Harry T., Brooklyn, assignor to Wonder Window Washer Corp., New York, N. Y. Window-cleaning device. 1,630,463; May 31.
Barnhart, Job R., assignor to W. M. Scott, Lakewood, Ohio. Electrical indicating instrument. 1,630,884; May 31.
Barnhart, Job R., assignor to W. M. Scott, Lakewood, Ohio. Variable condenser. 1,630,885; May 31.
Barrows, Donald C. (See Kadel, B. W., and Barrows.)
Bartholomay, Edward P., Rochester, N. Y. Connecter and support for meters. 1,630,323; May 31.
Basham, Reginald, Onehunga, New Zealand. Draft and rain excluder attachment for doors. 1,630,821; May 31.
Bassett, William H., Jr., Ansonia, assignor to The American Brass Company, Waterbury, Conn. Wrought-metal article. 1,630,999; May 31.
Bassick Company, The. (See Moore, Raymond G., assignor.)

Bassick Manufacturing Company, The. (See Fesler, Douglas F., assignor.)
Bat-A-Peny Corporation. (See Steinmetz, Herman, assignor.)
Baumann, Karl, Urmston, England, assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company. Double-reduction gear. 1,630,599; May 31.
Bayer, Matthew F., assignor to Simmons Company, Kenosha, Wis. Caster mounting. 1,630,514; May 31.
Beard, Percy M., Tulsa, Okla. Hair-curling device. 1,630,560; May 31.
Beauvais, Ernest J. (See Nall, T. O., and Beauvais.)
Bechard, Emile J., Levallois-Perret, France. Fire-extinguishing and like apparatus. 1,630,251; May 31.
Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Chromium-plated carbon article. 1,630,688; May 31.
Bedortha, Luther E. (See Marshall, W. H., Kilgore, and Bedortha.)
Beers, Royce L., Detroit, Mich., assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Rear-end structure for rear-dump stokers. 1,630,464; May 31.
Beetham, Maurice F., and R. H. Moore, assignors to Whiting Corporation, Harvey, Ill. Door closure for rotatable receptacles. 1,630,600; May 31.
Behm, Alexander, Kiel, Germany. Ascertaining the flying height of flying machines. 1,630,689; May 31.
Benedict, George W., Detroit, Mich., assignor to Kent-Moore Organization, Detroit, Mich. Reaming or boring tool. 1,630,515; May 31.
Bennett, George E., assignor to American Automatic Lock and Lift Company, San Francisco, Calif. Foot-frame lock for foldable beds. 1,631,081; May 31.
Bennett, Norman B., et al. (See Savage, Basil H., assignor.)
Bennington Wax Paper Company. (See Hurlbut, Daniel C., assignor.)
Berger Bros. Company. (See Geiser, George B., assignor.)
Berger, George P. (See Melum, H. A., and Berger.)
Berger, Knute, Seattle, Wash. Controller. 1,630,516; May 31.
Berger, Knute, Seattle, Wash. Snatch block. 1,630,517; May 31.
Berkinshaw, Robert J., Niagara Falls, N. Y. Dental cotton holder. 1,630,729; May 31.
Berndt, Walter, Brooklyn, N. Y. Doll. Des. 72,749; May 31.
Bernhard, Harry I. (See Schrader, Gustave C. C., assignor.)
Berry, William A., assignor to The Hooven & Allison Company, Xenia, Ohio. Nipper. 1,630,518; May 31.
Berscheid, John J., Champaign, Ill., and G. Garst, Urbana, Ill. Corner-bead erector. 1,630,601; May 31.
Bessemer Gas Engine Company. (See Murray, Donald G., assignor.)
Bessolo, William L., Clearwater, Calif. Tongs. 1,630,822; May 31.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. 1,630,369; May 31.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. 1,630,370; May 31.
Beyer, Albert, Berlin, Germany. Driving wheel. 1,630,886; May 31.
Bicknell, George M., St. Louis, Mo. Carburetor. 1,630,887; May 13.
Biedermann, Carl, Lucerne, Switzerland. Envelope. 1,630,465; May 31.
Birely, Jesse C., New Oxford, assignor of one-half to A. R. Brodbeck, Hanover, Pa. Windshield cleaner. 1,630,921; May 31.
Biva, Lucien, Brooklyn, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. Des. 72,750; May 31.
Biva, Lucien, Brooklyn, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. Des. 72,751; May 31.
Biva, Lucien, Brooklyn, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. Des. 72,752; May 31.
Biva, Lucien, Brooklyn, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. 72,753; May 31.
Bixby, Walter. (See Hathaway, E. F., and Bixby.)
Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing press. 1,630,252; May 31.
Blaisdell Filtration Company, The. (See Blaisdell, Hiram W., assignor.)
Blaisdell, Hiram W., New York, N. Y., assignor to The Blaisdell Filtration Company. Filtration system. 1,630,371; May 31.
Blake, Eli J., Buffalo, assignor, by mesne assignments, to Gould Car Lighting Corporation, New York, N. Y. Electrical regulating apparatus. 1,630,823; May 31.
Blakely, William W., Dexter, Mich. Double-decking device. 1,630,520; May 31.
Blakely, William W., Detroit, and C. A. Goodspeed, Highland Park, Mich.; said Goodspeed assignor to said Blakely. Brake-rod head. 1,630,519; May 31.
Blakeney, Edward, Kitchawan, N. Y., assignor to Radio Corporation of America. Siphon recorder. 1,630,324; May 31.
Blanco, Florino F., San Jose, Costa Rica. Reamer. 1,630,602; May 31.
Bliss, Donald M., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Electromagnetic switch. 1,630,650; May 31.
Blum, Harold P., assignor to The Cleveland Railway Supply Company, Cleveland, Ohio. Troughless skeleton flange-way guard. 1,630,325; May 31.
Blume, Edward E., and C. Anderson, Claremont, Minn. Cultivator shield. 1,630,415; May 31.
Boehner, Jacob P., Aurora, Ill. Stamping machine. 1,630,824; May 31.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Arm for a chandelier. 72,754; May 31.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Spreader for a lighting fixture. 72,755; May 31.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier. 72,756; May 31.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Bridge-lamp arm or similar article. 72,757; May 31.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Pendant for lighting fixtures. 72,758; May 31.
Bolick, Jerome, Conover, N. C. Wheel. 1,630,651; May 31.
Bolin, Sven G., Kansas City, Mo. Furniture brace. 1,630,521; May 31.
Bolinger, George N., Shelbyville, Ill. Golf tee. 1,630,288; May 31.
Bonawitz, Henry, Brooklyn, N. Y. Resilient tire. 1,630,776; May 31.
Börgesen, John G., Lyngby, Denmark. Bottle closure. 1,630,466; May 31.
Borough, Willard L. (See McLaine, W. L., and Borough.)
Borrowmite Company of America, The. (See Ault, Forest F., assignor.)
Bosle, Jacob P., Mount Oliver, and A. Telfer, Pittsburgh, Pa., assignors to National Tube Company. Gauge. 1,630,690; May 31.
Bossert, William F., assignor to Signal Accessories Corporation, Utica, N. Y. Pipe carrier. 1,631,000; May 31.
Bost, Arthur E., Waelder, Tex. Switch. 1,631,001; May 31.
Boston Insulated Wire & Cable Company. (See Burley, Harry B., assignor.)
Boucek, Charles F., assignor to Ruda Manufacturing Company, Chicago, Ill. Window structure. 1,630,522; May 2.
Bouffart, Maurice, Herstal, near Liege, Belgium. Apparatus for measuring and distributing liquids. 1,630,289; May 31.
Bourdon, Victor, Seattle, Wash. Adjustable mirror bracket. 1,630,777; May 31.
Bowman, Edward J., Anaconda, and J. S. Myhre, Butte, Mont., assignors to Hawkesworth Drill Company, Butte, Mont. Drill-assembling unit. 1,630,825; May 31.
Bowman, Fred, and E. Ellis, Cushing, Okla. Furniture. 1,631,002; May 31.
Bowman, Oscar F., et al. (See Savage, Basil H., assignor.)
Boxrud, Alf M., Minneapolis, Minn. Ensilage harvester. 1,630,603; May 31.
Boyd, Louis, Connellsville, Pa. Leaf turner. 1,630,290; May 31.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 1,630,778; May 31.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Bradshaw, Dennis F., Indianapolis, Ind. Spotlight for mail cars. 1,631,003; May 31.
Bradstreet, Hobart J., Steubenville, Ohio. Hand support for use in horizontal exercises. 1,630,467; May 31.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Valve-control mechanism for power actuators. 1,630,326; May 31.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Valve-control mechanism for power actuators. 1,630,327; May 31.
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Branco, Jacquin M. C., Somerset, assignor of one-half to J. K. Lanning, Fall River, Mass. Machine for braiding elastic fabrics. 1,631,082; May 31.
Branham, Walter R., Fort Valley, Ga. Pusher. 1,630,604; May 31.
Breckon, William A., Lee Township, Allegan County, Mich. Packing device. 1,631,004; May 31.
Breckon, William A., Lee Township, Allegan County, Mich. Fruit packing basket. 1,631,005; May 31.
Brewster, Ruby T., New York, N. Y. Box or similar container. Des. 72,759; May 31.
Briggs Manufacturing Company. (See Lundberg, Everett E., assignor.)
Briggs Manufacturing Company. (See Marshall, William, assignor.)
Brislin, John, Brooklyn, N. Y. Fishing reel. 1,630,779; May 31.

Brodbeck, A. R. (See Birely, Jesse C., assignor.)
Brooks Engineering Corporation. (See Brooks, Stephen H., assignor.)
Brooks, Stephen H., assignor to Brooks Engineering Corporation, Los Angeles, Calif. Gas-tight cable support for tanks. 1,630,826; May 31.
Brown, C. L. (See Martin, Earl L., assignor.)
Brown, Lloyd J., Evanston, Ill. Pin-locking means. 1,630,523; May 31.
Brown, Ralph J., Godfrey, Ill. Band for tying vegetables into bundles. 1,630,888; May 31.
Brown, Stewart, assignor of one-half to H. K. Delahanty, Chicago, Ill. Toy pistol. 1,631,006; May 31.
Browning, Samuel H., Atlanta, Ga. Loop-winding machine. 1,631,083; May 31.
Browning, Samuel H., Atlanta, Ga. Coil-spreading machine. 1,631,084; May 31.
Bruce, William M., jr., Springfield, Ohio. Alternating-current telegraph system. 1,630,827; May 31.
Bruder, August J., Holly, Mich. Toilet seat. 1,630,524; May 31.
Brumbach, Alvin L., Reading, assignor to Textile Machine Works, Wyomissing, Pa. Slotting-machine attachment. 1,630,328; May 31.
Bucknam, James H., Jersey City, N. J., assignor of one-half to The Linde Air Products Company and one-half to The Harris Calorific Company, Cleveland, Ohio. Blowpipe tip. 1,631,007; May 31.
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Budd, Thomas D., and W. R. Sinks, Chicago, Ill. Dust-collecting system for grain-elevator garners. 1,630,780; May 31.
Buell, Oren C., assignor to The Federal Glass Company, Columbus, Ohio. Tumbler or article of similar nature. Des. 72,783; May 31.
Buell, Oren C., assignor to The Federal Glass Company, Columbus, Ohio. Tumbler or article of similar nature. Des. 72,784; May 31.
Bugbee, Lucian W., Indianapolis, Ind., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y. Machine for grinding lenses. 1,630,253; May 31.
Builders' Needs, Incorporated. (See Weissinger, Emil C., assignor.)
Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 72,760; May 31.
Burge, Alfred, Gary, Ind., assignor to National Tube Company. Tapping-machine chuck. 1,630,254; May 31.
Burley, Harry B., Brookline, Mass., assignor to Boston Insulated Wire & Cable Company. Apparatus for the manufacture of electric wires. 1,630,922; May 31.
Burman, George A., assignor to E. J. Woodison Company, Detroit, Mich. Multiway valve. 1,630,781; May 31.
Bussler, Martha E., New Orleans, La. Drying apparatus. 1,630,652; May 31.
Butler, Morgan R., Waukesha, Wis. Material-handling equipment. 1,630,005; May 31.
Butts, Edward G. (See Shelor, O. W., and Butts.)
Buxton, Incorporated. (See Buxton, Warner R., assignor.)
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,630,654; May 31.
Buxton, Warner R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Key case. 1,630,653; May 31.
Byllesby Engineering and Management Corporation. (See Fisher, H. H., and Kittenhouse, assignors.)
Byrnes & Kiefer Company. (See Schwab, Henry M., assignor.)
California Canning Machinery Co. (See Wilcox, George, assignor.)
Cameron, James, Henryetta, Okla. Cutting apparatus for mining machines. 1,630,255; May 31.
Campbell, William L., Sparrish, S. Dak. Composition for stopping leaks. 1,630,828; May 31.
Cappon, Thomas W., Brooklyn, N. Y. Ink eradicator. 1,630,329; May 31.
Carbide & Carbon Chemicals Corporation. (See Young, Charles O., assignor.)
Carlsen, Harold. (See Dahl, Sigvald, assignor.)
Carlson, Enock A., Delvalle, Tex. Paper bag and twine holder. 1,630,606; May 31.
Carpenter, Arthur H., La Grange, and P. C. Huntley, Riverside, Ill., assignors to The Vitrolite Company, Parkersburg, W. Va. Pouring device for glass furnaces. 1,630,829; May 31.
Carson, Charles B., assignor to Taylor Instrument Companies, Rochester, N. Y. Indicating instrument. 1,630,291; May 31.
Carson, Ernest R., Denver, Colo. Pneumatic-tire pump. 1,630,923; May 31.
Carter, Carnie B., deceased; M. G. Carter, executrix, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Process and apparatus for producing hexamethylenetetramine and ammonium chloride. 1,630,782; May 31.
Carter, Myrtice G., executrix. (See Carter, Carnie B.)
Carter, Ray L., Phoenix, N. Y. Router bit. 1,630,830; May 31.
Case, Theodore W., Auburn, N. Y. Electrical apparatus. 1,631,085; May 31.
Catlin, Winfield, Rockville, assignor of one-half to C. A. Weaver, Hillsboro, Ind. Animal trap. 1,630,607; May 31.
Causey, Joseph W., Electric Mills, Miss. Band saw and wheel therefor. 1,630,468; May 31.
Cecil, William, New York, N. Y. Sandwich-display fixture. 1,630,469; May 31.
Celluloid Company, The. (See Lindsay, William G., assignor.)
Central Brass Manufacturing Company, The. (See Mortimer, John N., assignor.)
Central Scientific Company. (See Glopsteg, Paul E., assignor.)
Chadwick, Farro W., San Francisco, Calif. Vehicle direction indicator. 1,630,608; May 31.
Chalmers, Charles H., Minneapolis, Minn. Pressure-controlled fluid-feeding apparatus. 1,630,609; May 31.
Chambers Brothers Company. (See King, Howard K., assignor.)
Chappell, Elbert M., assignor to Hartsville Manufacturing Company, Hartsville, S. C. Plow stock. 1,631,008; May 31.
Chase National Bank of The City of New York, The. (See Leonard, P. J., and Connor, assignors.)
Chicago Electric Manufacturing Company. (See Leschman, William, assignor.)
Chicago Hardware Foundry Company. (See Pangborn, L. D., Warwick, and McKay, assignors.)
Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)
"Cibles Automatiques Michoud-Société Anonyme." (See Michoud, Arnold, assignor.)
Cieslak, Charles, Milwaukee, Wis. Pastry-cream filling device. 1,630,924; May 31.
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Clap, Harvey & Co. (See Person, Axel, assignor.)
Clark, Chester H., Gallup, N. Mex. Game. 1,631,009; May 31.
Clark, Ezra E., Newtonville, Mass. Drip valve for dry-pipe valves. 1,630,783; May 31.
Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)
Clark, James H., River Rouge, Mich. Attachment for vehicles. 1,630,525; May 31.
Clarke, Robert E., Jerseyville, Ill. Tray. 1,630,889; May 31.
Cleage, Thomas D., St. Louis, Mo., W. S. Smith and J. R. Murray, Tulsa, Okla. Pump. 1,630,256; May 31.
Clementi, Charles L., and E. W. Hildebrandt, assignors to The Auto Roller Awning Manufacturing Company, Pueblo, Colo. Awning. 1,630,416; May 31.
Clements, Wellington I., Norfolk, Va. Combined glare, wind, rain, and insect shield for automobiles. 1,631,010; May 31.
Cleveland Crane & Engineering Company. (See Wehr, William G., assignor.)
Cleveland Railway Supply Company, The. (See Blum, Harold P., assignor.)
Cleveland Universal Parts Company, The. (See Laughlin, Samuel L., assignor.)
Clifford Corporation, The. (See Clifford, Walter B., assignor.)
Clifford, Walter B., Kimball, W. Va., assignor to The Clifford Corporation, Boston, Mass. Apparatus for breaking down ore bodies. 1,630,470; May 31.
Clisson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Spring-pad construction. 1,630,655; May 31.
Clover, John R., Enid, Okla. Garment tray for ironing boards. 1,630,925; May 31.
Cloward, Charles E., jr., Payson, Utah. Poultry-feeding device. 1,630,831; May 31.
Coates, William, Newark, N. J. Water heater. 1,630,890; May 31.
Coates, William A., Chorlton-cum Hardy, G. E. Gittins and D. R. Davies, Stretford, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Electric switch. 1,630,372; May 31.
Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Annealing or heating furnace. 1,630,784; May 31.
Cogsdill Manufacturing Company. (See Cogsdill, Stuart A., assignor.)
Cogsdill, Stuart A., assignor to Cogsdill Manufacturing Company, Detroit, Mich. Machine tool. 1,630,526; May 31.
Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Closure. 1,630,785; May 31.
Collins, Rollin E., Parnassus, assignor to The Aluminum Company of America, Pittsburgh, Pa. Rack for roasters. 1,630,471; May 31.
Combs, De'Ette B., Philadelphia, Pa. Card-holding device. 1,630,373; May 31.
Conard, Walter H., et al. (See McCullough, Joseph P., assignor.)
Connor, Fred J., (See Leonard, P. J., and Connor.)
Connor, James F., Cleveland, Ohio. Folding brush. 1,631,011; May 31.
Conrad, Nicholas J., assignor to Schweitzer & Conrad, Chicago, Ill. Switch. 1,631,012; May 31.
Conrad, William L., Boston, Mass. Conditioning textile materials. 1,630,786; May 31.
Continental Optical Corporation. (See Bugbee, Lucian W., assignor.)
Continental Optical Corporation. (See Durgin, Edgar R., assignor.)

Conway, Alfred A., Cincinnati, Ohio. Friction clutch. 1,630,656; May 31.
Cooke, William E., Sydney, New South Wales, Australia, Clock. 1,630,891; May 31.
Corbett, Charles F., Edmonton, Alberta, Canada. Pipe for smoking tobacco. 1,630,832; May 31.
Cosby, Eric L. H., Teddington, England. Toothbrush. 1,631,013; May 31.
Cowdrey, Charles F., Fitchburg, assignor to Muther Manufacturing Company, Boston, Mass. Indicating instrument. 1,630,833; May 31.
Cox, George M., assignor of one-half to J. Marx, Mobile, Ala. Pot feeder for type-casting machines. 1,631,014; May 31.
Cox, William G., Cleveland, Ohio, assignor to The Eaton Axle and Spring Company. Automobile bumper and fitting. 1,630,374; May 31.
Cox, William J., Lebanon, Pa. Brush. 1,631,015; May 31.
Craven, John L., Indianapolis, Ind. Toy motor. 1,631,016. May 31.
Crawford, James L., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Tank block for glass furnaces. 1,630,892; May 31.
Crawford, Stuart L., Rochester, N. Y. Preserving or canning fruit. 1,631,017; May 31.
Croker, Mark V., Newton Upper Falls, Mass Insulating section for pipes. 1,630,657; May 31.
Crossen, Edgar H. (See Sheasley, C. H., and Crossen.)
Crosthwaite, Ralph L., Chicago, Ill. Ventilator and the like. 1,630,691; May 31.
Crosthwaite, Ralph L., Chicago, Ill. Ventilator. 1,630,692; May 31.
Croxton, David T. (See Eaton, W., and Croxton.)
Crumley, Le Roy A., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 72,761; May 31.
Crumley, Le Roy A., assignor to J. H. White Manufacturing Company, New York, N. Y. Lighting-fixture plate. Des. 72,762; May 31.
Cullen, Catherine F., New York, N. Y. Cooking utensil. 1,630,787; May 31.
Cunningham, Clyde F., Clarksburg, W. Va. Rope. 1,631,086; May 31.
Cunningham, E. T. (See Danielson, Ernest G., assignor.)
Curley, Robert S., Lowell, Mass., assignor, by mesne assignments, to Kitson Machine Shop. Cotton-distributing mechanism. 1,630,375; May 31.
Curtis, John S., Oakland, Ill. Retaining the dumping elements of vehicles. 1,631,018; May 31.
Cushman, Everett B., Lansing, Mich. Internal-combustion engine. 1,630,527; May 31.
Cutler-Hammer Mfg. Co. (See Hutton, Uric O., assignor.)
Dahl, Sigvald, Myrvall Pr., Oslo, Norway, assignor of one-half to H. Carlsen, Brooklyn, N. Y. Safety device for burners. 1,630,926; May 31.
Daimler-Motoren-Gesellschaft. (See Porsche, Ferdinand, assignor.)
Daly, John J., Newton, Mass. Box-toe shoe. 1,630,788; May 31.
Danielson, Ernest G., assignor to E. T. Cunningham, San Francisco, Calif. Transformer. 1,630,693; May 31.
Darlington, Philip J., Brookline, Mass. Micrometer callpers. 1,631,019; May 31.
Daughaday, Frank P. (See Matteson, Frederick R., assignor.)
Daugherty, George H., Berkeley, Calif. Signaling device. 1,630,730; May 31.
Daul Oil Burner Company. (See Swartz, H., and Mulligan, assignors.)
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Control circuits for motors. 1,630,731; May 31.
Davidson, William D., Los Angeles, assignor, by mesne assignments, of one-half to Emsco Derrick & Equipment Company, Los Angeles, Calif., and one-half to Titusville Forge Company, Titusville, Pa. Pipe slip. 1,630,732; May 31.
Davis, David R. (See Coates, W. A., Gittins, and Davies.)
Davis, Emerson, assignor of one-half to G. P. Ruth, Indianapolis, Ind. Automatic vehicle spring controller. 1,631,087; May 31.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Drag roll and clearing plate for looms. 1,631,088; May 31.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,631,089; May 31.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,631,090; May 31.
Davis, Irving J., Syracuse, N. Y. License-plate holder. 1,630,658; May 31.
Davis, Mansell A., et al. (See Savage, Basil H., assignor.)
Day, David L. (See Bacon, F. J., and Day.)
Dearborn Company, The. (See Koehn, August W., assignor.)
Delahanty, Harland K. (See Brown, Stewart, assignor.)
De Laval Steam Turbine Company. (See Waller, Carl R., assignor.)
Del-Mar-Va Sales Company. (See Jefferson, Jerome D., assignor.)
Dennis, Olive W., assignor to Baltimore & Ohio Railroad Company, Baltimore, Md. Plate. Des. 72,763; May 31.
De Passe, Bernard J., New York, N. Y. Badge or similar article. Des. 72,764; May 31.
Deppermann, Hermann, Nowawes, near Potsdam, Germany. Support and brake for bobbins of spinning machines. 1,630,610; May 31.
Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Tension mechanism. 1,630,376; May 31.
Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Tire-wrapping machine. 1,630,834; May 31.
Detroit Lubricator Company. (See Lanning, John G., assignor.)
Detroit Trailer Company. (See Hartwick, Ernest F., assignor.)
Detroyes, Theodore, Villeneuve-sur-Yonne, France. Securing leather disks to the ends of billiard cues. 1,630,417; May 31.
Deucher, Eugene G., Cleveland, assignor to The Universal Crane Company, Elyria, Ohio. Propelling mechanism for cranes. 1,630,377; May 31.
Deutsche Maschinenbau-und Vertriebs-Gesellschaft m. b. H. (See Lichtenstein, Edmund, assignor.)
Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Vehicle dumping mechanism. 1,630,257; May 31.
Dick, James. (See Hanton, P. S., and Dick.)
Dictaphone Corporation. (See Woodbridge, Charles K., assignor.)
Di Ianni, Frank, Brooklyn, N. Y., assignor to American Machine and Foundry Company. Mount for the tongues of cigarette rod-forming mechanism. 1,630,488; May 31.
Dillingham, Frederick A., assignor to The Troy Sunshade Company, Troy, Ohio. Windshield. 1,630,350; May 31.
Dixon, Abner F., assignor of one-third to T. C. Bannon and one-third to D. Upham, New York, N. Y. Apparatus for orienting geological specimens in bore holes. 1,630,694; May 31.
Doak, Russell H., Pine Bluff, Ark. Cigar and cigarette lighting container. 1,631,020; May 31.
Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine skid. 1,630,472; May 31.
Dod, Gerald, Southport, England. Multiple-cylinder drying machine. 1,630,331; May 31.
Dodunski, Peter F., Solon, Ohio. Thermostat diaphragm. 1,630,733; May 31.
Doty, William W., Staten Island, assignor of one-half to S. Rosenbaum, New York, N. Y. Resilient member. 1,630,893; May 31.
Dowling, John J., Rathgar, Dublin, Ireland. Thermionic indicating means responsive to light variations. 1,631,021; May 31.
Doyle, James S. (See Hedley, F., and Doyle.)
Doyle, John W., Seattle, Wash. Drill mechanism. 1,630,528; May 31.
Doyle, John W., Seattle, Wash. Utilizing expanding air. 1,630,835; May 31.
Duchemin, George W., Newark, N. J. Lathe. 1,630,333; May 31.
Ducondu, Paul, Montreal, Quebec, Canada. Loading and unloading device for vehicles. 1,630,473; May 31.
Dunbar, Frank H., Cleveland, Ohio. Ash gate. 1,630,378; May 31.
Duplex Electric Company. (See Williams, John P., assignor.)
Duplex Motor Company. (See Nordwick, Henry A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Moran, Robert C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scott, Winfield, assignor.)
Durgin, Edgar R., Newark, N. J., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y. Eyeglass and spectacle frame. 1,630,258; May 31.
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Seville, William, assignor.)
Draper Corporation. (See Willard, George H., assignor.)
Drew, Harry A. (See Lazar, D., and Drew.)
Drlica, Karl, Portland, Oreg. Radiator cover. 1,630,529; May 31.
Drushel, William A., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Insecticide. 1,630,836; May 31.
Drushel, William A., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Container for dissipating a fumigant. 1,630,837; May 31.
Dryer, Beulah H., assignor of one-half to G. H. Dryer, Rochester, N. Y. Reversible dress. 1,630,838; May 31.
Dryer, Gerald H. (See Dryer, Beulah H., assignor.)
Dyal Company, The. (See Lauritsen, Charles C., assignor.)
Easterwood, Henry W. (See Waggaman, W. H., and Easterwood.)
Eaton Axle and Spring Company, The. (See Cox, William G., assignor.)
Eaton Spring Corporation, The. (See Wallace, William H., assignor.)
Eaton, Wyman, Chicago, Ill., and D. T. Croxton, Cleveland, Ohio, said Eaton assignor of his entire interest to Freyn Engineering Company, Chicago, Ill. Blast-furnace construction. 1,630,474; May 31.

Eaves, Ralph E., and W. C. Keen, Allston, Mass. Glare eliminator. 1,631,022; May 31.
Ebert, John W., Frederick, Md. Smoke and gas collector. 1,630,927; May 31.
Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
Egry Register Company, The. (See Jackson, Philip A., assignor.)
Elder Manufacturing Company. (See Elder, William G., assignor.)
Elder, William G., Bardstown, assignor to Elder Manufacturing Company, Bardstown, Ky. Line reel and pin. 1,630,475; May 31.
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Ellis, Edward. (See Bowman, F., and Ellis.)
Ely, James, assignor to Taylor Instrument Companies, Rochester, N. Y. Sensitive diaphragm for light pressure. 1,630,292; May 31.
Emsco Derrick & Equipment Company, et al. (See Davidson, William D., assignor.)
Engl, Josef. (See Massolle, J., Vogt, and Engl.)
England, William A., San Francisco, Calif. Mixing faucet. 1,630,695; May 31.
Englund, Gustaf A., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Chuck. 1,630,259; May 31.
Erickson, Herman A., Fresno, Calif. Piston, wrist pin, and connecting-rod aligning jig. 1,630,476; May 31.
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,630,477; May 31.
Essick, Newman, Los Angeles, Calif. Plaster mixer. 1,630,789; May 31.
Essick, Newman, Los Angeles, Calif. Plaster-mixing device. 1,630,790; May 31.
Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,630,260; May 31.
Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,630,261; May 31.
Evans, Joseph M., et al. (See McCullough, Joseph P., assignor.)
Everett, Samuel J., Thornton Heath, England. Hypodermic syringe and needle therefor. 1,630,928; May 31.
Ewing, Ada F. (See Ewing, Urbane J. and A. F.)
Ewing, Urbane J. and A. F., Wilkinsburg, assignors to Pittsburgh Lavatory Supply Inc., Pittsburgh, Pa. Mop holder. 1,630,418; May 31.
Extrom, Victor E., Minneapolis, Minn. Combined cigar lighter and advertising-display stand. Des. 72,765; May 31.
Fahey, Hilarion S., Grafton, Mass. Thermostatic valve. 1,630,929; May 31.
Fairgrieve, Archibald. (See Fairgrieve, Frederick M. and A.)
Fairgrieve, Frederick M. and A., Toronto, Ontario, Canada. Tub for washing machines. 1,630,478; May 31.
Falk, George F., assignor of one-half to S. A. Taylor, La Crosse, Wis. Liquid-level gauge. 1,630,611; May 31.
Farrand, Clair L., Forest Hills, N. Y., and E. Ross, East Orange, N. J., said Ross assignor to Farrand Mfg. Co. Inc., Long Island City, N. Y. Loud speaker. 1,630,734; May 31.
Farrand Mfg. Co. Inc. (See Farrand, C. L., and Ross, assignors.)
Feather, David C., assignor to The Feather Motor Appliance Company, Denver, Colo. Spring compressor. 1,630,334; May 31.
Feather Motor Appliance Company, The. (See Feather, David C., assignor.)
Federal Glass Company. (See Buell, Oren C., assignor.)
Feldhusen, Carl, Boise, Idaho. Food product and making the same. 1,631,023; May 31.
Fellers, Albert E., Detroit, Mich. Tractor locomotive. 1,630,930; May 31.
Felten & Guilleaume Carlewerk Actien-Gesellschaft. (See Haanen, Carl A., assignor.)
Fentress, James, Chicago, Ill. Thermostatic pump. 1,630,479; May 31.
Ferrell, Robert M., Irvine, Calif. High-pressure lubricator. 1,630,735; May 31.
Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Filter. 1,630,480; May 31.
Fifth Avenue Coach Company. (See Forrester, Michael J., assignor.)
Finch, Stanley W., Washington, D. C. Rail-tying device. 1,630,696; May 31.
Finch, Stanley W., Washington, D. C. Rail-tying device. 1,630,697; May 31.
Firestone Tire and Rubber Company. (See Stevens, William C., assignor.)
First Wisconsin Trust Company, executor. (See Miller, Henry C., assignor.)
Fish, Lewin B., Maplewood, N. J., assignor to American Telephone & Telegraph Company. Step for poles. 1,630,293; May 31.
Fisher, Harry H., and W. B. Rittenhouse, Chicago, Ill., assignors to Byllesby Engineering and Management Corporation, Wilmington, Del. Lining water courses and lining therefor. 1,630,839; May 31.
Fisher, Samuel G., Boston, Mass. Electric-circuit-controlling apparatus. 1,631,024; May 31.
Fitch, Benjamin F., Greenwich, Conn. Freight-handling apparatus. 1,630,736; May 31.
Fitzpatrick, John T., St. Louis, Mo., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car-coupler uncoupling mechanism. 1,630,481; May 31.
Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coupling. 1,630,737; May 31.
Fleming, Michael J., Ely, Minn. Belt shifter for stepped pulleys. 1,630,931; May 31.
Flener, Orill, Fort Smith, Ark. Current-theft indicator. 1,631,025; May 31.
Florey, Tilghman J., Washington, N. J. Concrete building unit. 1,630,698; May 31.
Foote, Edward B., assignor to Taylor Instrument Companies, Rochester, N. Y. Process-control apparatus. 1,630,294; May 31.
Forbes, Gordon B., Garfield, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for removing dust from precipitator electrodes. 1,630,482; May 31.
Ford, Ernest B., Union, assignor to Foster Engineering Company, Newark, N. J. Sight flow box. 1,630,335; May 31.
Foresman, Robert A., and O. Oram, Essington, Pa., assignors to Westinghouse Electric and Manufacturing Company. Retort unit for stokers. 1,630,738; May 31.
Forrester, Michael J., Astoria, N. Y., assignor to Fifth Avenue Coach Company. Vehicle top. 1,630,729; May 31.
Forsyth, David. (See Hydorn, R., and Forsyth.)
Forsyth, George H., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Disk wheel. 1,630,740; May 31.
Fort Pitt Bedding Company. (See Trimble, Charles P., assignor.)
Fortin, Frank, Washburn, Wis. Trap. 1,630,419; May 31.
Foster Engineering Company. (See Ford, Ernest B., assignor.)
Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,630,561; May 31.
Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,630,562; May 31.
Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-treating-tool support. 1,630,563; May 31.
Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-finishing machine. 1,630,564; May 31.
Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,630,565; May 31.
Fox, Julius, assignor of one-fourth to J. H. Grummer and one-fourth to E. O. La Fevre, Cleveland, Ohio. Dirigible aeroplane. 1,630,336; May 31.
Franck, Edwin G., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Repair construction for wooden-frame box cars. 1,630,483; May 31.
Frantz Manufacturing Co. (See Frantz, Peter, assignor.)
Frantz, Peter, assignor to Frantz Manufacturing Co., Sterling, Ill. Door latch. 1,630,379; May 31.
Fraser, Frank, assignor to American Optical Company, Southbridge, Mass. Making ophthalmic blanks. 1,630,262; May 31.
Fredenburg, William M., Paso Robles, Calif. Account system. 1,630,840; May 31.
Freeman, John R., Providence, R. I. Apparatus and method of constructing and sinking a caisson. 1,630,337; May 31.
Freeman, William. (See Gregory, Charles, assignor.)
Freyn Engineering Company. (See Eaton, W., and Croxton, assignors.)
Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Guide for bottle refrigerators. 1,631,091; May 31.
Frieder, Leonard P. (See Roe, E. O., and Frieder.)
Friedman, William, New York, N. Y. Toilet accessory. 1,630,566; May 31.
Friedrich, Ernest G., Cincinnati, Ohio. Toilet. 1,630,932; May 31.
Fritts, George E., Harbor City, Calif. Ladder-climbing device. 1,630,484; May 31.
Frostman, Carl E., Seattle, Wash. Furniture cleaning and polishing composition. 1,630,699; May 31.
Fryer, Richard, Humboldt, Saskatchewan, Canada. Puzzle. 1,630,530; May 31.
Fuller Brush Company, The. (See Van Veen, A., and Matteson, assignors.)
Fusch, Otis O., Bellflower, Calif. Double-piston two-cycle engine. 1,630,841; May 31.
Futerman, Solomon, Brooklyn, N. Y. Truss for rupture. 1,630,933; May 31.
Gail, John F., Evanston, Ill., assignor to Simmons Company, Kenosha, Wis. Metal joint. 1,630,338; May 31.
Gammeter, John R. (See Perks, George W., assignor.)
Gammeter, John R. (See Pierce, Robert C., assignor.)
Ganster, Joseph A., Philadelphia, Pa. Antifriction bearing and assembling the same. 1,630,330; May 31.

Garland, Richard, Junction City, Kans. Plugging knife. 1,630,420; May 31.
Garst, George. (See Berscheid, J. J., and Garst.)
Gass, Ernest, Clichy, France. Lubricating device. 1,630,700; May 31.
Gathmann, Emil, Baltimore, Md. Shrink-head casing for ingot molds. 1,630,612; May 31.
Geiser, George B., Philadelphia, Pa., assignor to Berger-Bros. Company. Support for gutter-hanger circles. 1,630,934; May 31.
Geiser, George B., assignor to Berger Brothers Company, Philadelphia, Pa. Gutter-hanger circle. 1,630,935; May 31.
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Railway Signal Company. (See Stephenson, James E., assignor.)
George, Thomas A., Fancy Farm, Ky. Mowing-machine-tongue support. 1,630,421; May 31.
Gerdts, Gustav F., Bremen, Germany. Determining critical temperature. 1,630,485; May 31.
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
Gifford-Wood Company. (See Harding, Howard V., assignor.)
Gilbert, Walter V., Westminster, London, assignor to Gilbert's Patents Limited, London, England. Implement for effecting the relative movement of two elements. 1,631,110; May 31.
Gilbert's Patents Limited. (See Gilbert, Walter V., assignor.)
Gillespie, Clarence O., El Paso, Tex. Road-planing device. 1,630,422; May 31.
Gittins, George E. (See Coates, W. A., Gittins, and Davies.)
Gladstone, William D., New York, N. Y. Drum-supporting device. 1,630,701; May 31.
Glascock Brothers Manufacturing Company. (See Frick, Chester A., assignor.)
Gleason, Stephen R., assignor to Walter L. Parker Company, Lowell, Mass. Spool and making the same. 1,630,791; May 31.
Glockenstahlwerke Aktiengesellschaft vorm. Rich Lindenberg. (See Oertel, Wilhelm, assignor.)
Glorient, Inc. (See Matthews, Joseph M., assignor.)
Godley, Charles E., Detroit, Mich., assignor to C. M. Hall Lamp Company. Electric fitting; 1,630,936; May 31.
Goodfellow, Arthur N., Trustee. (See Nice, Budd G., assignor.)
Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)
Goodspeed, Charles A. (See Blakely, W. W., and Goodspeed.)
Gorham Mfg. Co. (See Magnussen, Erik, assignor.)
Gothberg, Arthur W., Newark, N. J. Cable support. 1,630,423; May 31.
Gould Car Lighting Corporation. (See Blake, Ell J., assignor.)
Graser, George W., Beaver Falls, assignor to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Link coupler. 1,630,486; May 31.
Grasselli Chemical Company, The. (See Graves, Walter G., assignor.)
Grauel, Edwin L., assignor to The Graulock Company, Cincinnati, Ohio. Locking-device control. 1,630,263; May 31.
Graulock Company, The. (See Grauel, Edwin L., assignor.)
Graves, Walter G., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Drying and calcining lithopone. 1,630,613; May 31.
Green, Frederick M. (See Wylie, H. N., and Green.)
Green, George C., Johannesburg, Transvaal, South Africa. Spring wheel for road vehicles. 1,630,937; May 31.
Gregory, Charles, assignor of one-half to W. Freeman Denison, Tex. Boot and shoe stretcher. 1,630,295; May 31.
Grewin, Fredrik, Norrkoping, Sweden, assignor to American Volth Contact Company, Incorporated, New York, N. Y. Drying. 1,631,026; May 31.
Gries, Frank X., assignor to C. J. Reitz, Sunbury, Pa. Stovepipe lock. 1,631,027; May 31.
Griffin, Joseph E., Savannah, Ga. Airplane wing construction. 1,630,938; May 31.
Griffiths, William J., Toronto, Ontario, Canada. Control mechanism for water-heating systems. 1,630,741; May 31.
Grigsby, Bertram J. (See Grunow, William C., assignor.)
Grimme, Natalis & Co., Aktiengesellschaft. (See Hoffmeister, Hermann, assignor.)
Griscom-Russell Company, The. (See Dewald, Edward A., assignor.)
Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)
Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, copartners trading under the firm name of Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 72,766; May 31.
Grubb, James R., Abbeville, S. C. Arbor for drafting rolls. 1,630,842; May 31.
Grummer, Joseph H., et al. (See Fox, Julius, assignor.)
Grunow, William C., assignor of one-half to B. J. Grigsby, Chicago, Ill. Sound reproducer. 1,630,742; May 31.
Guichard, Jean J. R., Buenos Aires, Argentina. Educational appliance. 1,630,939; May 31.
Gunderson, Benjamin J., Spring Grove, Minn. Measuring canister. 1,631,028; May 31.
Gunning, William A., assignor to American Optical Company, Southbridge, Mass. Edging machine. 1,630,264; May 31.
Gypsum Engineering & Manufacturing Co. (See Payne, Caleb, assignor.)
Haanen, Carl A., assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Production of insulating paper containing phenol resins. 1,630,424; May 31.
Hacker, Horace W., assignor to Hacker Manufacturing Co., Chicago, Ill. Implement for marking objects. 1,630,659; May 31.
Hacker Manufacturing Co. (See Hacker, Horace W., assignor.)
Hagy, George L., San Antonio, Tex. Building form for concrete structures. 1,631,029; May 31.
Hahn, Otto W., assignor to Universal Jacks & Hoist Corporation, San Francisco, Calif. Automobile jack. 1,630,792; May 31.
Halin, Andrew L., San Gabriel, Calif. Dash and trouble light. 1,630,843; May 31.
Hall, C. M., Lamp Company. (See Godley, Charles E., assignor.)
Hall, Lyman D., New York, N. Y. Vanity hand bag. 1,630,844; May 31.
Hall, Merton C., New York, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,630,340; May 31.
Halliwell-Shelton Electric Corporation. (See Jancke, Benno F., assignor.)
Hamilton, Charles E., Van Nuis, Calif. Ironing pad. 1,630,894; May 31.
Hamilton, James W. (See Pitney, Earl H., assignor.)
Hammer, Julius. (See Stroop, H. T., Hauser, and Hammer.)
Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Loudspeaker unit. 1,630,380; May 31.
Hanton, Peter S., and J. Dick Kew, Victoria, Australia. Water heater. 1,630,382; May 31.
Harding, Howard V., Hudson, N. Y., assignor to Gifford-Wood Company. Trolley-bucket-rope take-up. 1,631,030; May 31.
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harris Calorific Company, The, et al. (See Bucknam, James H., assignor.)
Harrison, Frank A., Chicago, Ill. Sample book. 1,630,487; May 31.
Harrison, John E. (See Mahon, T. C., and Harrison.)
Harsh, George M., Baltimore Md. Pyjama trousers. Re16,641; May 31.
Hartsville Manufacturing Company. (See Chappell, Elbert M., assignor.)
Hartwick, Ernest F., assignor to Detroit Trailer Company, Detroit, Mich. Trailer. 1,630,425; May 31.
Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Method and apparatus for cleaning yarn. 1,630,381; May 31.
Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Slub catcher. 1,630,426; May 31.
Haskelite Manufacturing Corporation. (See Drushel, William A., assignor.)
Haskelite Manufacturing Corporation. (See Meyercord, George R., assignor.)
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Tube frame for tuft weaving. 1,631,094; May 31.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Spool-supporting means for tube frames. 1,631,095; May 31.
Hathaway, Edgar F., Wellesley, and C. Lea, Milton, assignors to Shawmut Engineering Company, Boston, Mass. Tube frame. 1,631,092; May 31.
Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, assignors to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames. 1,631,093; May 31.
Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, assignors to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames. 1,631,096; May 31.
Hauser, August F. (See Stroop, H. T., Hauser, and Hammer.)
Haverstick, Earl J., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Detector. 1,630,383; May 31.
Hawkesworth Drill Company. (See Bowman, E. J., and Myhre, assignors.)
Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Unloader assembly. 1,631,031; May 31.
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Slug detector for coin-controlled machines. 1,630,427; May 31.
Heesch, Henry W., assignor to Taylor Instrument Companies, Rochester, N. Y. Recorder-pen-arm release. 1,630,296; May 31.
Heesch, Henry W., assignor to Taylor Instrument Companies, Rochester, N. Y. Pen for recording instruments. 1,630,297; May 31.
Hegg, Martin. (See Twedt, C. I., and Hegg.)

Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 72,767; May 31.
Hellums, Oscar S., Dawson, Tex. Cotton chopper. 1,631,032; May 31.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,630,384; May 31.
Hennessy, James J., New York, N. Y. Lubricator. 1,630,743; May 31.
Herbst, William K., Hillside, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co. Hose coupling. 1,630,895; May 31.
Herskovitz, William, assignor to Peerless Light Company, Chicago, Ill. Attachment plug. 1,630,896; May 31.
Hespe, Alfred T., East Orange, N. J. Thermometer. 1,630,385; May 31.
Hessmer, Frederick W., Jersey City, N. J. Apparatus for producing threaded pins. 1,630,793; May 31.
Hifner, Ernest J., Lexington, Ky. Automatic choke actuator. 1,630,614; May 31.
Higgins, Albert L., Bar Harbor, Me. Figure wheeled toy. 1,630,615; May 31.
Hildebrandt, Eddie W. (See Clementi, C. L., and Hildebrandt.)
Hill, Earl V., Chicago, Ill. Thermometer scale. 1,630,341; May 31.
Hill, Roger M., Washington, D. C. Optical system for projection apparatus. 1,630,616; May 31.
Hindle, John H. and T., Heslingden, England. Take-up motion for looms for weaving. 1,630,428; May 31.
Hindle, Thomas. (See Hindle, John H. and T.)
Hitsemann, Herman W., Roselle, Ill. Valve for oil burners. 1,631,109; May 31.
Hoban, Fairfield W., assignor, by mesne assignments, to Holdaphone, Incorporated, New York, N. Y. Telephone attachment. Re16,645; May 31.
Hobbiesiefken, Gerd, Burlington, Iowa. Device for facilitating the marking of doors and door jambs for hinges. 1,630,429; May 31.
Hoe, R. & Co. (See Meyer, Joseph E., assignor.)
Hoe, R. and Co. (See Retz, Andrew J., assignor.)
Hoffman, George A., assignor to The New Method Stove Company, Mansfield, Ohio. Electric preheater for vapor burners. 1,630,940; May 31.
Hoffman, Rudolph, Cleveland, Ohio. Oil stove. 1,630,386; May 31.
Hoffmeister, Hermann, Gliesmarode, near Brunswick, assignor to Grimme, Natalis & Co., Aktiengesellschaft, Brunswick, Germany. Calculating machine. 1,631,033; May 31.
Hohmann, Joseph P., Flemington, N. J. Display device. 1,630,744; May 31.
Hoke, William E., Baltimore, Md. Apparatus for finishing high-grade gears. 1,630,845; May 31.
Holdaphone, Incorporated. (See Hoban, Fairfield W., assignor.)
Holden, Arthur P., P. Morgan, and S. R. Williams, Toronto, Ontario, Canada. Oil-feed control for oil burners. 1,630,265; May 31.
Holst, Edwin J., Lake City, Minn. Lubricant-dispensing device. 1,630,846; May 31.
Holst, Ellis G., Lavoye, Wyo. Mine-track tie. 1,631,034; May 31.
Holter, Kristian, and O. Qviller, Oslo, Norway. Sieve plate for screw presses. 1,630,430; May 31.
Holyoke Heater Company. (See Sinclair, Peter S., assignor.)
Hood, Margaret M., Jonestown, Miss. Folding crib. 1,630,941; May 31.
Hooven & Allison Company, The. (See Berry, William A., assignor.)
Hotchkin, Paul M., Chicago, Ill. Suspending device for lighting fixtures. 1,630,745; May 31.
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,630,431; May 31.
Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,630,531; May 31.
Howe, James F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Mine-sweeping rope. 1,630,847; May 31.
Hubbell, Harry C., assignor to Wico Electric Company, West Springfield, Mass. Ignition system for burners. 1,630,702; May 31.
Hughes, Albert M., Pasadena, Calif. Flange-pin remover. 1,630,942; May 31.
Huhnholz, Max A., Chicago, Ill. Hood construction. 1,630,342; May 31.
Huntley, Philip C. (See Carpenter, A. H., and Huntley.)
Huppert, Henry K., San Francisco, Calif. Radiotube. 1,631,035; May 31.
Hurlbut, Daniel C., assignor to Bennington Wax Paper Company, Bennington, Vt. Paper package and forming it. 1,630,343; May 31.
Hurley, Raymond D., and B. H. Patton, assignors to Rolland Glass Company, Clarksburg, W. Va. Glass-drawing apparatus. 1,631,097; May 31.
Hutchins Car Roofing Company. (See Fitzpatrick, John T., assignor.)
Hutchins Car Roofing Company. (See Franck, Edwin G., assignor.)
Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
Hutton, Ulric O., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus for effecting and regulating a flow of fluid. 1,630,943; May 31.
Hydorn, Rex, and D. Forsyth, Bonners Ferry, Idaho. Seat for barbers' chairs. 1,630,432; May 31.
I. G. Farbenindustrie Aktiengesellschaft. (See Prillwitz, Hans, assignor.)
Ikeda, Kikumae, and H. Isobe, Tokyo, and T. Okazawa, Kitatoshima-Gori, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Making an adsorbent and the product thereof. 1,630,660; May 31.
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Push-through switch. 1,630,433; May 31.
Iligan, Hattie, East Elmhurst, N. Y. Window shade. 1,630,344; May 31.
Indiana Lamp Corporation. (See Neuner, Frederick W. C., assignor.)
Ingersoll, Leonard R., Madison, Wis. Eye model. 1,630,944; May 31.
Ingersoll-Rand Company. (See Levine, Hyman, assignor.)
Ingersoll-Rand Company. (See Lundstrom, Arthur G., assignor.)
Inman, Clarence G., Chicago, Ill. Eaves-trough hanger. 1,630,746; May 31.
Instrumenti di Misura C. G. S. Societa Anonima. (See Usigli, Bruno, assignor.)
Ironside, Edward A., London, England. Apparatus for the extraction and recovery of volatile liquids. 1,631,036; May 31.
Isobe, Hajime. (See Ikeda, K., Isobe, and Okazawa.)
Ivey, John H., assignor of one-half to L. J. Mildren, Ponca City, Okla. Wrench. 1,630,848; May 31.
Jackes-Evans Manufacturing Company. (See Jackes, Stanley F., assignor.)
Jackes, Stanley F., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Heater. Des. 72,768; May 31.
Jackson, Philip A., assignor to The Erry Register Company, Dayton, Ohio. Autographic register. 1,630,298; May 31.
Jacobowitz, Adolf, Nuremberg, Germany. Cutting disk for high-speed friction saws. 1,630,945; May 31.
Jacobs Manufacturing Company, The. (See Englund, Gustaf A., assignor.)
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method and apparatus for burning fuel. 1,630,387; May 31.
Jacques, Jean. (See Oswald, Adolph W., assignor.)
Jacques, Jean, assignor of one-half to A. W. Oswald, Philadelphia, Pa. Closure. 1,631,098; May 31.
Jacques, Jean, and A. W. Oswald, Philadelphia, Pa. Closure for automobile radiators and the like. 1,630,897; May 31.
James, Sidney V., assignor to William A. Rogers, Ltd., Niagara Falls, N. Y. Spoon. Des. 72,769; May 31.
James, William R., Portland, Oreg. Brush with detachable handle. 1,630,703; May 31.
Jameson, Stewart W., Duluth, Minn. Shaft-kiln construction. 1,630,489; May 31.
Jancke, Benno F., assignor, by mesne assignments, to Halliwell-Shelton Electric Corporation, New York, N. Y. Electric massage machine. 1,630,435; May 31.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 1,630,266; May 31.
Jarsen, Isaac, Cincinnati, Ohio. Sterilizing food and beverage products. 1,630,661; May 31.
Jarvis, Lewis A., Grand Rapids, Mich. Water gauge for automobile radiators. 1,630,388; May 31.
Jefferson, Jerome D., Federalsburg, Md., assignor to Del-Mar-Va Sales Company, Laurel, Del. Poultry catcher. 1,630,946; May 31.
Jenks, Charles R., assignor of one-half to C. M. Rawlins, Cleveland, Ohio. Soda-fountain draft-arm valve. 1,630,947; May 31.
Jennings, Henry B., jr., Leesburg, Va. Loose-leaf binder. 1,630,849; May 31.
Jennings, Oliver S., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,630,389; May 31.
Jervey, Thomas M., U. S. Army, Aberdeen, Proving Ground, Md. Machine-gun unit. 1,630,532; May 31.
Jewett, Anna, Lawrence, Kans. Making belts. 1,630,617; May 31.
Johanson, Georg K. V., Lidingo, assignor to Aktiebolaget Gasmätare, Stockholm, Sweden. Gas meter. Re16,642; May 31.
Johansson, Karl M., Stockholm, Sweden. Manufacturing lathing for walls and ceilings. 1,630,618; May 31.
Johnson, August I., Chicago, Ill. Combination stepladder and chair. 1,630,747; May 31.
Johnson, Jesse C., Oakland, Calif., assignor to S. T. Johnson Co., Oakland, Calif. Control mechanism for electrically-operated burners. 1,631,099; May 31.
Johnson, Milton M., Cleburne, Tex. Combination gauging device. 1,630,299; May 31.
Johnson, S. T., Co. (See Johnson, Jesse C., assignor.)
Johnston, Walter V., Milwaukee, Wis. Glass jar. Des. 72,771; May 31.
Jones, Henry D., assignor to The American Seeding Machine Company, Springfield, Ohio. Fastening seed distributors to metal hoppers. 1,630,850; May 31.

Jones, Leo D., and A. U. Ayres, assignors to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine and process involving the use of the same. Re16,640; May 31.
Jordan, O. F., Company. (See Protzeller, Harry W., assignor.)
Jos-Pe Farbenphoto Gesellschaft mit beschrankter Haftung. (See Pilotv, Hans, assignor.)
Kadel, Byers W., Baltimore, Md. Car truck. 1,630,567; May 31.
Kadel, Byers W., Baltimore, Md. Car truck. 1,630,568; May 31.
Kadel, Byers W., Baltimore, Md. Car truck. 1,630,569; May 31.
Kadel, Byers W., Baltimore, Md. Car truck. 1,630,570; May 31.
Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, N. Y. Car truck. 1,630,571; May 31.
Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, N. Y. Car truck. 1,630,572; May 31.
Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, N. Y. Car truck. 1,630,573; May 31.
Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, N. Y. Car truck. 1,630,574; May 31.
Kaiser, Auguston D., Mountain Home, Tex. Gate. 1,630,704; May 31.
Karikas, Elizabeth, McKeesport, Pa. Life-saving device. 1,630,948; May 31.
Karpen, S., & Bros. (See Carter, Carnie B., assignor.)
Katona, Josef, et al. (See Balogh, Louis, assignor.)
Keen, William C. (See Eaves, R. E., and Keen.)
Keller, Will E., Los Angeles, Calif. Concrete-mold form. 1,630,794; May 31.
Keller, Will E., Los Angeles, Calif. Mold form for building structures. 1,630,795; May 31.
Keller, Will E., Los Angeles, Calif. Mold form. 1,630,796; May 31.
Kellogg Manufacturing Co. (See Hazard, George E., assignor.)
Kelly, Orson N., Los Angeles, Calif. Vending machine. 1,630,949; May 31.
Kent-Moore Organization. (See Benedict, George W., assignor.)
Ketcham, Garry M. (See Ricken, Charles B., assignor.)
Keystone Roofing Manufacturing Company. (See Taylor, Thomas M., assignor.)
Kibitz, Frank X. See La Hodny, W., and Kibitz.)
Killgore, Robert J. (See Marshall, W. H., Killgore, and Bedortha.)
Kimber, Walter E., Highgate, London, assignor to Ajax Trucks Limited, Manchester, England. Lifting truck or trolley. 1,630,619; May 31.
King, David H., assignor to Pacific Radiator Shield Company, Seattle, Wash. Radiator shield. 1,630,705; May 31.
King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Repressing bricks. 1,630,436; May 31.
King, Joseph R., Oklahoma City, Okla. Gas heater. Des. 72,770; May 31.
Kipper, Allen F., assignor to Rite Hardware Company, Los Angeles, Calif. Knob. Des. 72,772; May 31.
Kirkpatrick, George M., Pittsburgh, Pa. Fluid separator. 1,630,748; May 31.
Kitson Machine Shop. (See Curley, Robert S., assignor.)
Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Face-powder container. 1,630,437; May 31.
Kjerner, Ragnar L., Crestwood, N. Y. Radiator. 1,630,749; May 31.
Klebanoff, David, et al. (See Grossman, Samuel, assignor.)
Klebanoff and Grossman. (See Grossman, Samuel.)
Klein, August C., Jamaica Plain, Mass., assignor to Stone & Webster, Inc., Boston, Mass. Making carbureted water gas. 1,630,300; May 31.
Klein, August C., Jamaica Plain, assignor to Stone & Webster, Inc., Boston, Mass. Making carbureted water gas. 1,630,301; May 31.
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Advertising device. 1,630,490; May 31.
Kochenderfer, William B., Camden, N. J. Hydraulic press. 1,631,037; May 31.
Koehn, August W., Oshkosh, Wis., assignor to The Dearborn Company, Chicago, Ill. Card table. 1,630,851; May 31.
Koppel Industrial Car and Equipment Company. (See Graser, George W., assignor.)
Krasno, Philip, Milwaukee, Wis. Internal-combustion-engine valve. 1,630,750; May 31.
Krause, Walter J., assignor to The Ohio Electric & Controller Company, Cleveland, Ohio. Short-circuiting device. 1,630,491; May 31.
Krauss, Kurt, Berlin-Friedenau, Germany, assignor to Westinghouse Electric & Manufacturing Company. Alternating-current motor. 1,630,390; May 31.
Krebs, August S., Wilmington, assignor to The Krebs Pigment & Chemical Company, Newport, Del. Method and apparatus for quenching lithopone. 1,630,267; May 31.
Krebs Pigment & Chemical Company, The. (See Krebs, August S., assignor.)
Kuester, Otto, Detroit, Mich. Pin-wheel toy. 1,630,852; May 31.
Kühn, Ludwig, Charlottenburg, near Berlin, assignor to Westinghouse Electric & Manufacturing Company. Modulation system. 1,630,391; May 31.
Kusterle, Frank, assignor to Simmons Company, Kenosha, Wis. Connection for tubes. 1,630,492; May 31.
Laabs, Max A., assignor to American Optical Company, Southbridge, Mass. Producing monocentric fused bifocal lenses. 1,630,706; May 31.
Laclede-Christy Clay Products Company. (See Crawford, James L., assignor.)
La Hodny, William, and F. X. Kibitz, assignors to Standard Mirror Company, Inc., Buffalo, N. Y. Glass-plate fastener. 1,631,038; May 31.
Lamberton, John R., Coatbridge, Scotland. Installation for handling and shearing metal plates from plate-rolling mills. 1,630,620; May 31.
Landis, Frank F., Waynesboro, Pa. Shock absorber. 1,631,039; May 31.
Landon, Benjamin D., Canton, Pa. Tractor-wheel attachment. 1,630,950; May 31.
Lanning, James K. (See Branco, Jacquin M. C., assignor.)
Lanning, John G., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,630,493; May 31.
Lanza, Benjamin, Philadelphia, Pa. Ball conveyer. 1,630,345; May 31.
Larson, Eric H., Chicago, Ill., assignor to The Logo-Dial Corporation. Logging device for radio tuning instruments. 1,630,302; May 31.
Larvex Corporation, The. (See Stiriss, Jacob, assignor.)
Latour Corporation. (See Latour Marius, assignor.)
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Amplifier for electrically-disturbed telephone lines. 1,630,346; May 31.
Laughlin, Samuel L., assignor to The Cleveland Universal Parts Company, Cleveland, Ohio. Universal joint. 1,630,898; May 31.
Lauritsen, Charles C., assignor by mesne assignments to The Dyal Company, St. Louis, Mo. Vibration damping means for vacuum tubes. 1,631,100; May 31.
Lautenschlager, William F., Cincinnati, Ohio, assignor to Lorenz Mnther, Newton, Mass. Pressing device for folding machines. 1,631,040; May 31.
Lautenschlager, William F., Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass. Gauge for perforating machines. 1,631,041; May 31.
Laventure, William, Ste. Madeline, Quebec, Canada. Variable headlight dimmer. 1,630,621; May 31.
Layland, William E., and J. H. Whitehead, assignors to Taylor Wordsworth and Company, Limited, Leeds, England. Wool, cotton, rag, and the like drying machines. 1,630,438; May 31.
Lazar, David, Long Island City, N. Y., and H. A. Drew, West New York, N. J.; said Drew assignor to said Lazar. Coin-controlled vending machine. 1,630,439; May 31.
Lea, Charles. (See Hathaway, E. E., and Lea.)
Lea, Charles, Milton, assignor to Shawmut Engineering Company, Boston, Mass. Tube frame. 1,631,101; May 31.
Lea, John M., Detroit, Mich. Manufacture of metallic bellows. 1,630,622; May 31.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Starting switch for single-phase motors. 1,631,102; May 31.
Ledbetter, James C., Brooklyn, N. Y., assignor by mesne assignments, to The Prosperity Company, Inc. Conveyer plait press. 1,630,392; May 31.
Ledden, Thomas H., Ridgway, Pa. Incinerator. 1,630,393; May 31.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Lifting and retaining device for sliding windows. 1,630,494; May 31.
Lee, Royal, Milwaukee, Wis. Speed governor for electric motors. 1,630,394; May 31.
Le Fevre, Eugene O., et al. (See Fox, Julius, assignor.)
Lehman, Max R., Quincy, assignor to Orbon Stove Co., Belleville, Ill. Heater. Des. 72,773; May 31.
Leiman Bros. (See Leiman, George W., assignor.)
Leiman, George W., assignor to Leiman Bros., Newark, N. J. Liquid-feeding device. 1,630,751; May 31.
Lennox Furnace Company. (See Vrba, James, assignor.)
Leonard, Peter J., and F. J. Connor, Worcester, Mass., assignors, by mesne assignments, to The Chase National Bank of the City of New York, New York, N. Y. Flour sifter. 1,630,853; May 31.
Leone, Carmine, Waltham, Mass. Automobile safety fender. 1,630,951; May 31.
Leschman, William, assignor, by mesne assignments, to Chicago Electric Manufacturing Company, Chicago, Ill. Spring-retracted electric cigar lighter. 1,630,952; May 31.
Levine, Hyman, Denver, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-actuated engine. 1,630,953; May 31.
Lewis, George W., Oilton, Okla. Vulcanizer. 1,631,042; May 31.
Lewis, Henry J., Johannesburg, Transvaal, South Africa. Combined switch and lightning arrester. 1,630,954; May 31.
Lewis, Richard E., Chicago, Ill. Handle for floor-surfacing machines. 1,630,854; May 31.
Liais, Lucien, Paris, France. Manufacture of agglomerated fuel. 1,630,662; May 31.

Lichtenfels, William, assignor to New Jersey Chain Corporation, Newark, N. J. Bracelet. 1,630,955; May 31.
Lichtenstein, Edmund, assignor to Deutsche Maschinenbau-und Vertriebs-Gesellschaft m. b. H., Berlin, Germany. Duplicating apparatus. 1,630,395; May 31.
Linde Air Products Company, The, et al. (See Bucknam, James H., assignor.)
Lindemann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Cellulose composition. 1,630,752; May 31.
Linstadt, Otto, Madison, Nebr. Automatic valve for water tanks. 1,630,268; May 31.
Lippert, Aloysius C., Kenosha, Wis., assignor to The Norlipp Company, Chicago, Ill. Locking cap for radiators. 1,630,269; May 31.
Lipsius, Samuel, New York, N. Y. Sheet feeder. 1,630,707; May 31.
Litho Etching Corporation. (See Monahan, James B., assignor.)
Lloyd, Richard L., Minneapolis, Minn. Bowling alley. 1,630,440; May 31.
Logo-Dial Corporation, The. (See Larson, Eric H., assignor.)
Lonet, Thomas, Oakland, Calif. Automobile signal-lamp casing. Des. 72,774; May 31.
Lotz, George, St. Johns, Ohio. Fence guard. 1,630,441; May 31.
Lucas, Noah E., Norwich, Conn. Bobbin. 1,631,043; May 31.
Luce, Milton H., Kansas City, Mo., assignor to Wheary Trunk Company, Racine, Wis. Locking device for trunks. Re16,643; May 31.
Ludasy, Akos, Wilkinsburg, Pa. Hydrocraft. 1,630,623; May 31.
Luehrs, Daniel M., Cleveland, Ohio. Liquid heat-transmission system. 1,630,956; May 31.
Lundberg, Everett E., assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable striker plate. 1,630,533; May 31.
Lundstrom, Arthur G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Fuel distributor for internal-combustion engines. 1,630,957; May 31.
Luther, Edwin A., Los Angeles, Calif. Seed rack. 1,630,347; May 31.
Lynch, Ernest E., Alameda, Calif. Pressure-operated grease dispenser. 1,630,809; May 31.
Lyons Piece Dye Works. (See Rivat, George, assignor.)
Lytton, Edward, London, England. Nail, screw nail, and the like. 1,631,044; May 31.
Maas, George H., Milwaukee, Wis. Carbonator. 1,630,575; May 31.
MacDonald, Hugh. (See MacDonald, William and H.)
MacDonald, William, and H., Inverness, Scotland. Waving of hair. 1,630,396; May 31.
Macon, Cyrene M., Dallas, Tex. Dishwasher. 1,631,045; May 31.
Magnano Corporation. (See Magnano, Sebastiano, assignor.)
Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Stop mechanism. 1,630,708; May 31.
Magnussen, Erik, assignor to Gorham Mfg. Co., Providence, R. I. Covered dish. Des. 72,775; May 31.
Mahnk, John A., Los Angeles, Calif. Identification button. 1,630,855; May 31.
Mahon, Thomas C., Vancouver, British Columbia, and J. E. Harrison, Victoria, British Columbia, Canada. Switch. 1,630,709; May 31.
Makris, George, Massillon, Ohio. Bicycle. 1,630,442; May 31.
Mallard, Logan L., Norfolk, Va. Walking top. 1,630,848; May 31.
Mallinson, H. R., & Co. Inc. (See Heinke, Alfred J., assignor.)
Mann, George, assignor, by mesne assignments, to Reynolds Spring Company, Jackson, Mich. Electric switch. 1,630,434; May 31.
Manning, Russell T., Minneapolis, Minn. Match holder. Des. 72,776; May 31.
Marcalus, Nicholas, assignor to Automatic Paper Machinery Company, Inc., Plainfield, N. J. Box for paper rolls. 1,630,495; May 31.
Markem Machine Company. (See Putnam, Fred A., assignor.)
Markle, George, assignor to The Ruddy Manufacturing Company, Limited, Brantford, Canada. Wire queen excluder for beehives. 1,630,856; May 31.
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Door-window finish-strip assembly. 1,630,534; May 31.
Marshall, William H., R. J. Killgore, and L. E. Bedortha, assignors, by mesne assignments, to Purox Company, Denver, Colo. Dipping container for explosive cartridges. 1,630,496; May 31.
Martin, Earl L., assignor to C. L. Brown, Miami, Fla. Automobile suspension. 1,631,103; May 31.
Martin, John H., Central Park, N. Y. Carroting fur. 1,630,663; May 31.
Martin, John H., Central Park, N. Y. Preparation of fur for shrinking and felting. 1,630,664; May 31.
Marui, Hyokichi, Osaka, Japan. Fan. 1,630,397; May 31.
Marvel Carburetor Company. (See Wright, Rea P., assignor.)
Marwick, James, Santa Barbara, Calif. Exercising swimming tank. 1,630,707; May 31.
Marx, Jonas. (See Cox, George M., assignor.)
Massolle, Joseph, Berlin-Grunewald, H. Vogt, Berlin-Wilmersdorf, and J. Engl, Berlin-Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Amplifier. 1,630,753; May 31.
Matteson, Frederick R., Taunton, assignor to F. P. Daughaday, Chartley, Mass. Belt buckle. 1,631,104; May 31.
Matteson, George F. (See Van Veen, A., and Matteson.)
Matthews, Joseph M., assignor to Glorient, Inc., New York, N. Y. Dye composition. 1,630,624; May 31.
Mauch, John L., Brooklyn, N. Y. Nut lock and the like. 1,630,958; May 31.
Maul, Hans, Pasing, near Munich, Germany. Pneumatic tire. 1,630,535; May 31.
Maurer, Edward A. (See Maurer, Russell L., assignor.)
Maurer, Russell L., Indianapolis, Ind., assignor of one-half to E. A. Maurer. Mechanically interconnecting separate telephone systems. 1,630,536; May 31.
Mauriell, Ralph, Oceanport, N. J. Scalp-treatment hot-water cap. 1,630,625; May 31.
Maury, Alfred D., Ilion, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Spring-pad construction. 1,630,665; May 31.
McCleary Hydraulic Brake Company. (See McCleary, Roy E., assignor.)
McCleary, Roy E., Seattle, Wash., assignor to McCleary Hydraulic Brake Company. Hydraulic brake. 1,630,710; May 31.
McCleary, Roy E., assignor to McCleary Hydraulic Brake Company, Seattle, Wash. Hydraulic brake mechanism. 1,630,711; May 31.
McCullough, Frederick S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multiple-triode vacuum tube. 1,630,443; May 31.
McCullough, Joseph P., Philadelphia, Pa., assignor of thirty-three per cent to J. M. Evans, Camden, N. J., and thirty-two per cent to W. H. Conard, Philadelphia, Pa. Automobile windshield. 1,631,046; May 31.
McCurry, Roy A., Knappa, Oreg. Overhead conveyer. 1,630,959; May 31.
McDevitt, James B., Uhrichsville, Ohio. Freight-handling equipment for motor trucks. 1,630,398; May 31.
McEvoy, Joseph H., jr., Houston, Tex. Wash plug. 1,630,666; May 31.
McGregor, Samuel, Buena Park, Calif. Sucker-rod elevator. 1,630,537; May 31.
McKay, George H. (See Pangborn, L. D., Warwick, and McKay.)
McKee, Neal T., Mount Vernon, assignor to The Superheater Company, New York, N. Y. Forging machine. 1,630,399; May 31.
McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Feed-water-heater arrangement. 1,630,400; May 31.
McLaine, William L., Los Angeles, and W. L. Borough, Fullerton, Calif. Lubricating stuffing box. 1,630,444; May 31.
McNulty, Peter C., Milwaukee, Wis. Method and apparatus for embossing flexible material. 1,630,754; May 31.
Meder, Arthur, Carlstadt, N. J., assignor to Norma-Hoffman Bearings Corporation, New York, N. Y. Textile spindle. 1,630,712; May 31.
Meek, Marcellus W., Arcadia, Calif. Animal-tatoo-marking instrument. 1,630,303; May 31.
Meissner, Alexander, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for suppressing idle current in radiotransmitters. 1,630,349; May 31.
Melum, Helmer, River Forest, and G. P. Berger, Oak Park, Ill. Filling machine. 1,630,960; May 31.
Mennelley, Sam, Lincoln Park, Mich. Window jack. 1,630,626; May 31.
Merrell, William S., Company, The. (See Mills, Clarence A., assignor.)
Metallbank und Metallurgische Gesellschaft Aktiengesellschaft. (See Obertel, Rudolf, assignor.)
Meunier, Charles A., Great Neck, N. Y. Gutter hanger. 1,630,961; May 31.
Meyer, Harry R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connecter. 1,630,401; May 31.
Meyer, Hermann, Berlin, Germany. Boat. 1,631,047; May 31.
Meyer, Joseph E., Woodside, assignor to R. Hoe & Co., Inc., New York, N. Y. Web-feeding mechanism. 1,630,713; May 31.
Meyercord, George R., Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Ply-metal panel and wall constructed of the same. 1,630,857; May 31.
Meyercord, George R., Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Corner formation in metal-sheathed construction material. 1,630,858; May 31.
Meyers, George W., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-operating engine and safety system. 1,630,667; May 31.
Micallef, Ramiro P., Fontana, Calif. Combination spout and gate for bins. 1,630,538; May 31.
Michoud, Arnold, Yverdon, assignor to the Firm: "Cibles Automatiques Michoud-Société Anonyme," Neuchatel, Switzerland. Electrical transmission device. 1,630,900; May 31.

Miehle Printing Press & Manufacturing Company. (See Blaine, Joseph R., assignor.)
Mildren, Lory J. (See Iver, John H., assignor.)
Milker, Herbert, Queens, N. Y., assignor to American Schaeffer & Budenberg Corporation. Temperature-control system. 1,630,735; May 31.
Miller, Charles E., McSherrystown, Pa. Package. 1,631,048; May 31.
Miller, Frank A., assignor to San Francisco-Sacramento Railroad Co., Oakland, Calif. Signaling system. 1,630,962; May 31.
Miller, Hannibal E., Charlotte, N. C. Cutlery. 1,630,627; May 31.
Miller, Henry C., deceased; First Wisconsin Trust Company, executor, Milwaukee, Wis. Temporary binder. 1,631,049; May 31.
Mills, Clarence A., assignor to The William S. Merrell Company, Cincinnati, Ohio. Blood-coagulation medium. Re16,639; May 31.
Miner, Robert S., West Hartford, Conn., assignor, by mesne assignments, of one-half to The C. D. Tuska Company. Circuit system for radio frequency currents. 1,630,859; May 31.
Mitchell, Arthur L., Dallas, Tex. Automatic drain device. 1,630,628; May 31.
Mitchell, Floyd A., Portland, Oreg. Tool for removing cellars and the like. Re16,646; May 31.
Moir, William A., Halifax, Nova Scotia, Canada. Conditioning apparatus for chocolate and the like. 1,630,714; May 31.
Monahan, James B., assignor to Litho Etching Corporation, New York, N. Y. Safety device. 1,630,402; May 31.
Monitor Controller Company. (See Whittingham, George H., assignor.)
Monson, Martin B., Jefferson County, near Wheatridge, assigsor to The Moro Plow & Manufacturing Company, Denver, Colo. Tractor-supported plowing attachment. 1,630,576; May 31.
Montague Range and Furnace Co. (See Troiel, Arthur E., assignor.)
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Latch. 1,630,270; May 31.
Moore, Raymond H. (See Beetham, M. F., and Moore.)
Moran, Robert C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitroglucoside explosive. 1,630,577; May 31.
Moran, Robert C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitroglucoside explosive. 1,630,578; May 31.
Morelli, Sam, Gaston, Oreg. Animal trap. 1,630,798; May 31.
Morgan Crucible Company Limited. (See Speirs, Charles W., assignor.)
Morgan, Philip. (See Holden, A. P., Morgan, and Williams.)
Moro Plow & Manufacturing Company, The. (See Monson, Martin B., assignor.)
Morris, Harry A., Marietta, Ohio. Ratchet-operating device. 1,630,403; May 31.
Morris, Warren A., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Carton. 1,630,497; May 31.
Morse, Clyde S., De Kalb, Ill. Resilient tire. 1,630,350; May 31.
Mortensen, Frantz, Helsingfors, Finland. Speed indicator. 1,630,963; May 31.
Mortimer, John N., Lakewood, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio. Valve for plumbing fixtures. 1,630,351; May 31.
Mortimer, John N., Lakewood, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio. Waste valve for bathtubs and lavatories. 1,630,352; May 31.
Morton, Charles P., Cincinnati, Ohio. Last lathe. 1,630,304; May 31.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Connecting two members which are not adapted to be welded together. 1,630,668; May 31.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Carrier for braiding machines. 1,630,669; May 31.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Reel. 1,630,670; May 31.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Motor Wheel Corporation. (See Forsyth, George H., assignor.)
Mowry, Harold B., Sterling, Conn., assignor to The United States Finishing Company, New York, N. Y. Method and mechanism for marking materials. 1,630,271; May 31.
Muhlfeld, John E., Scarsdale, N. Y. Locomotive frame. 1,630,901; May 31.
Mulligan, Paul C. (See Swartz, H., and Mulligan.)
Murphy, Edward J., Framingham, Mass. Valve cap. 1,631,050; May 31.
Murray, Albert L., Auburn, Ind. Shoe bottom. 1,630,445; May 31.
Murray, Donald G., assignor to Bessemer Gas Engine Company, Grove City, Pa. Compressor. 1,630,799; May 31.
Murray, James R. (See Cleage, T. D., Smith, and Murray.)
Muther, Lorenz. (See Lautenschlager, William F., assignor.)
Muther Manufacturing Company. (See Cowdrey, Charles F., assignor.)
Myers, Hubert A., Toledo, Ohio. Candy confection. Des. 72,777; May 31.
Myhre, John S. (See Bowman, E. J., and Myhre.)
Nall, Torney O., and E. J. Beauvais, St. Paul, Minn. Flour sifter. 1,631,105; May 31.
National Aniline & Chemical Company. (See Zeller, O., and Waldman, assignors.)
National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
National Lock Co. (See Aldeen, Wilhelm G., assignor.)
National Pneumatic Company. (See Meyers, George W., assignor.)
National Spun Silk Co. (See Roe, E. O., and Frieder, assignors.)
National Tube Company. (See Bosic, J. P., and Telfer, assignors.)
National Tube Company. (See Burge, Alfred, assignor.)
Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Spectacle temple. 1,630,964; May 31.
Nelson, Oscar, Breckenridge, Minn. Automobile headlight. 1,630,860; May 31.
Neuner, Frederick W. C., assignor, by mesne assignments, to Indiana Lamp Corporation, Connersville, Ind. Electric connecting socket. 1,630,272; May 31.
Newcomb, Harry B., et al. (See Savage, Basil H., assignor.)
New Jersey Chain Corporation. (See Lichtenfels, William, assignor.)
New Method Stove Company, The. (See Hoffman, George A., assignor.)
Nice, Budd G., Ogontz, assignor to A. N. Goodfellow, Philadelphia, Pa., trustee. Making ball cone elements. 1,630,715; May 31.
Nichols, Watt M., Ranger, Tex. Oil tank. 1,631,051; May 31.
Nicholson, Gustavo, Aquino, Paraguay. Firearm. 1,630,404; May 31.
Nicklin, Geoffrey, Walsall, England. Tray purse, tobacco pouch, or the like. 1,630,446; May 31.
Nibell, Homer L., Los Angeles, Calif. Signal. 1,630,405; May 31.
Nikonow, John P., New York, N. Y. Electrically-operated ignition control. 1,630,629; May 31.
Nishida, Sukejiro, Osaka-Fu, Japan. Governor for phonographs. 1,630,630; May 31.
Nor, Allen, et al. (See Vaughan, John, assignor.)
Nordwick, Henry A., Stockton, assignor to Duplex Motor Company, San Francisco, Calif. Duplex-cam motor. 1,630,273; May 31.
Norlipp Company, The. (See Lippert, Aloysius C., assignor.)
Norma-Hoffman Bearings Corporation. (See Meder, Arthur, assignor.)
North, Ray A., Green Bay, Wis. Water filter. 1,630,274; May 31.
Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Time-controlled regulating apparatus. 1,630,305; May 31.
Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure-responsive diaphragm. 1,630,306; May 31.
Norwood, Harry Y., Avon, and K. L. Tate, Rochester, assignors to Taylor Instrument Companies, Rochester, N. Y. Apparatus for measuring and indicating the flow of gases. 1,630,307; May 31.
Noyes, Daniel H., Athol, Mass. Clothes drier attachment for hot-water tanks. 1,630,965; May 31.
O'Dell, Frank, Union City, Ind. Steel yoke. 1,630,447; May 31.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove. 1,630,966; May 31.
Oertel, Rudolf, Hanover, assignor to Metallbank und Metallurgische Gesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of volatile solvents. 1,631,052; May 31.
Oertel, Wilhelm, assignor to Glockenstahlwerke Aktiengesellschaft vorm. Rich Lindenberg, Remscheid-Hasten, Germany. Steel alloy. 1,630,448; May 31.
Ogden, Ashley G., Baltimore, Md., assignor to American Machine & Foundry Company. Negative-making device. 1,630,539; May 31.
Ohio Electric & Controller Company, The. (See Krause, Walter J., assignor.)
Okazawa, Tsuruji. (See Ikeda, K., Isobe, and Okazawa.)
Opdyke, Scott, Billings, Mont. Self-sealing trap. 1,630,861; May 31.
Orbon Stove Co. (See Lehman, Max R., assignor.)
Ordoñez, Adolfo P. (See Pazzi, A. J. S. and L. J. D., and Ordoñez.)
Oswald, Adolph W. (See Jacques, Jean, assignor.)
Oswald, Adolph W. (See Jacques, J., and Oswald.)
Oswald, Adolph W., assignor of one-half to J. Jacques, Philadelphia, Pa. Closure for filler openings. 1,631,106; May 31.
Overman, George W. P., Norfolk, Va. Lifeboat securing and releasing mechanism. 1,631,053; May 31.

Owen Card Publishing Co. Inc. (See Baker, Harry L., assignor.)
Owen-Dyneto Corporation. (See Perkins, Laurence M., assignor.)
Pacific Radiator Shield Company. (See King, David H., assignor.)
Pacozdi, Ilona, et al. (See Balogh, Louis, assignor.)
Pacozdi, Imre, et al. (See Balogh, Louis, assignor.)
Page, Gordon W., San Francisco, Calif. Automobile wrecking car. 1,630,800; May 31.
Pajeau, Charles H., Glencoe, assignor to The Toy Tinkers, Inc., Evanston, Ill. Wheeled toy. Des. 72,778; May 31.
Palm, Blake, Washington, D. C. Switch. 1,631,054; May 31.
Pangborn, Leo D., R. M. Warwick, and G. H. McKay, Chicago, Ill., assignors, by mesne assignments, to Chicago Hardware Foundry Company, Chicago, Ill. Internal cylinder grinder. 1,630,353; May 31.
Parker, Humphrey F., Philadelphia, Pa. Heat-transfer system for aircraft. Re16,644; May 31.
Parker, Walter L., Company. (See Gleason, Stephen R., assignor.)
Parkin, Thomas D., Chelmsford, England, assignor to Radio Corporation of America. Radio Signaling apparatus. 1,630,354; May 31.
Parks, Joseph W., Altoona, Pa. Shipping case. 1,630,862; May 31.
Parrish, Nelson B., Great Barrington, Mass. Egg container. 1,631,055; May 31.
Parrish, William C., Port Arthur, Tex. Pumping system. 1,630,902; May 31.
Parsons, Clinton H., assignor to Swift & Company, Chicago, Ill. Egg product and making same. 1,630,756; May 31.
Parsons, Floyd Y., Paterson, N. J. Wall construction. 1,630,801; May 31.
Pass & Seymour Inc. (See Thompson, Don N., assignor.)
Passaic Metal Ware Company. (See Aulbach, Charles J., assignor.)
Patton, Brooke H. (See Hurley, R. D., and Patton.)
Pauly Jail Building Company. (See Pauly, Peter J., assignor.)
Pauly, Peter J., assignor to Pauly Jail Building Company, St. Louis, Mo. Composite steel bar. 1,630,631; May 31.
Pavia, Luigi, Allentown, Pa. Shuttle. 1,630,355; May 31.
Payne, Caleb, assignor to Gypsum Engineering & Manufacturing Co., Chicago, Ill. Making gypsum stucco blocks and the like. 1,630,579; May 31.
Pazzi, Anibal J. S. and L. J. D., and A. P. Ordoñez, Buenos Aires, Argentina. Apparatus for drying, curing, ventilating, or otherwise treating grain or the like. 1,630,308; May 31.
Pazzi, Luis J. D. (See Pazzi, A. J. S. and L. J. D., and Ordoñez.)
Pearson, Herbert B., Brooklyn, N. Y., assignor to Ship Owners Radio Service, Inc., New York, N. Y. Inductance-coil attachment. 1,630,903; May 31.
Peerless Light Company. (See Herskovitz, William, assignor.)
Peerless Machinery Company, The. (See Lautenschlager, William F., assignor.)
Peller, Karl E., West Hartford, Conn. Feeding molten glass. 1,631,107; May 31.
Pekich, Michael, Pittsburgh, Pa. Water gauge. 1,630,632; May 31.
Pepernick, John, Binghamton, N. Y. Bedspring. 1,631,056; May 31.
Perkins, Laurence M., assignor of one-half to Owen-Dyneto Corporation, Syracuse, N. Y. Field winding. 1,630,757; May 31.
Perks, George W., assignor to J. R. Gammeter, Akron, Ohio. Combination guy and guard. 1,630,356; May 31.
Person, Axel, assignor to Harvey Clap & Co., Attleboro, Mass. Bracelet chain for wrist watches or the like. 1,630,498; May 31.
Pfaltzgraff, Hattie M., Lakewood, Ohio. Buckle. 1,630,758; May 31.
Pfeil, Henry C., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Core for molds. 1,630,357; May 31.
Phillips, George F., and T. H. Torian, Paducah, Ky. Headlight-dimming mechanism. 1,631,057; May 31.
Pierce, Robert C., assignor to J. R. Gammeter, Akron, Ohio. Spiral-forming machine. 1,630,716; May 31.
Pierce, Winslow S., jr., Bayville, N. Y. Breaking device for hollow cylinders. 1,630,759; May 31.
Pilcher, J. V. (See Babbitt, John F., assignor.)
Pilling, Norman B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat treatment of electrolytically-deposited iron. 1,630,449; May 31.
Piloty, Hans, Munich, assignor to the Firm of Jos-Pe Farbenphoto Gesellschaft mit beschrankter Haftung, Hamburg, Germany. Apparatus for multiplex photography. 1,631,058; May 31.
Pinkham, Delmar D., Texarkana, Tex. Metal screen. 1,630,450; May 31.
Pisano, Generoso, Orange, N. J. Target device. 1,630,717; May 31.
Pitman, Arthur R., Lynn, Mass. Frying apparatus. 1,630,309; May 31.
Pitney, Earl H., Minneapolis, assignor of one-half to J. W. Hamilton, St. Paul, Minn. Signal device. 1,630,633; May 31.
Pitt, William A., assignor to G. F. Sheppard, Montreal, Quebec, Canada. Antifriction bearing. 1,630,310; May 31.
Pittsburgh Lavatory Supply Inc. (See Ewing, Urbane J. and A. F., assignors.)
Pomeroy, Edwin C., New Milford, Conn. Signal. 1,630,802; May 31.
Porsche, Ferdinand, Stuttgart-Unterturkheim, assignor to Daimler-Motoren-Gesellschaft, Wurttemberg, Germany. Coupling device for blowers of combustion machines. 1,630,634; May 31.
Powell, George R., Merion, Pa. Foot control. 1,630,760; May 31.
Powelski, Albert, Kansas City, Kans. Journal bearing. 1,630,967; May 31.
Price, Owen A., Kilmarnock, Scotland. Automatic self-closing valve. 1,631,059; May 31.
Prillwitz, Hans, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mixing aparatus. 1,630,400; May 31.
Prime, Orton L., Milwaukee, Wis. Washout plug. 1,630,761; May 31.
Prosperity Company, The. (See Clisson, Albert B., assignor.)
Prosperity Company, The. (See Ledbetter, James C., assignor.)
Prosperity Company, The. (See Maury, Alfred D., assignor.)
Protzeller, Harry W., East Chicago, Ind., assignor to O. F. Jordan Company, East Chicago, Ind. Automatic make and break contactor. 1,630,580; May 31.
Purox Company. (See Marshall, W. H., Killgore, and Bedortha, assignors.)
Purtle, Albert D., Marietta, Ohio. Clamp. 1,630,863; May 31.
Putnam, Fred A., Keene, N. H., assignor to Markem Machine Company, Boston, Mass. Marking machine. 1,631,060; May 31.
Qviller, Olaf. (See Holter, K., and Qviller.)
Radio Corporation of America. (See Blakeney, Edward, assignor.)
Radio Corporation of America. (See Parkin, Thomas D., assignor.)
Rainsford, Thomas F., Detroit, assignor to Whitehead and Kales, Inc., River Rouge, Mich. Derrick attachment for tractors. 1,630,540; May 31.
Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for forming insulators. 1,630,762; May 31.
Rankin, Carl H., Wellsburg, W. Va. Apparatus for controlling the flow of molten glass through a discharge aperture. 1,631,061; May 31.
Rawling, Francis G., Knoxville, Tenn. Improving the color of pulp. 1,630,635; May 31.
Ray, Joseph L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing coated cores. 1,630,451; May 31.
Raymer, Paul H., East Orange, N. J. Chewing gum. 1,630,763; May 31.
Reckard, Henry L., assignor to Sloss Perfect Coffee Maker, Inc., New York, N. Y. Coffee-urn apparatus. 1,630,904; May 31.
Reeve, Vere L., Ballarat, Victoria, Australia. Printing press. 1,630,905; May 31.
Reineke, Charles, assignor to The Reineke Motor Corporation, New York, N. Y. Internal-combustion engine. 1,630,311; May 31.
Reineke Motor Corporation, The. (See Reineke, Charles, assignor.)
Reitz, Charles J. (See Gries, Frank X., assignor.)
Reliance Company, The. (See Wilms, Gustav O., assignor.)
Retz, Andrew J., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Guard for planing machines and the like. 1,630,671; May 31.
Reynolds, Eugene, Albuquerque, N. Mex. Demountable rim. 1,630,636; May 31.
Reynolds Spring Company. (See Mann, George, assignor.)
Reynolds Spring Company. (See He, William, assignor.)
Rhodes, William A., New York, N. Y., assignor to American Telephone and Telegraph Company. Thermal translating device. 1,630,312; May 31.
Richardson Company, The. (See Morris, Warren A., assignor.)
Ricken, Charles B., assignor of one-half to G. M. Ketcham, Brooklyn, N. Y. Concealed inclosure. 1,630,906; May 31.
Ridge, Isaac L., assignor to Ridge Manufacturing Company, Bartlesville, Okla. Theft alarm for automobiles. 1,630,968; May 31.
Ridge Manufacturing Company. (See Ridge, Isaac L., assignor.)
Riley Stoker Corporation. (See Beers, Royce L., assignor.)
Riley, William K., Huntington Park, Calif. Lubricating device for vehicle springs. 1,630,581; May 31.
Rite Hardware Company. (See Kipper, Allen F., assignor.)
Rittenhouse, Walter B. (See Fisher, H. H., and Rittenhouse.)
Rivat, George, assignor, by mesne assignments, to Lyons Piece Dye Works, Paterson, N. J. Weighted artificial silk and its production. 1,631,062; May 31.

Rizzo, Felice, Schenectady, N. Y. Signal transmitter. 1,630,764; May 31.
Robinson, Joseph. (See Baldwin, G. E., assignor.)
Robinson, Joseph V., New York, N. Y. Automatic trainpipe connecter. 1,630,582; May 31.
Roe, Edwin O., New Bedford, Mass., and L. P. Frieder, New York, N. Y., assignors to National Spun Silk Co., Inc., New Bedford, Mass. Textile-coiling machine. 1,630,718; May 31.
Rogers, William A., Ltd. (See James, Sidney V., assignor.)
Rogniey, Peter H., Washington, D. C. Soldering iron. 1,631,063; May 31.
Roots, Preston, San Benito, Tex. Ditch gate. 1,630,407; May 31.
Rolland Glass Company. (See Hurley, R. D., and Patton, assignors.)
Rorabeck, Claude, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Sprocket wheel. 1,630,313; May 31.
Rosenbaum, Sidney. (See Doty, William W., assignor.)
Rosenberg, Maurice J., Baltimore, Md. Knickers. 1,631,064; May 31.
Rosenthal, Hans, Berlin, Germany. Gas-pressure regulator. 1,630,408; May 31.
Ross, Ernest. (See Farrand, C. L., and Ross.)
Ross, Frank A., Wilmette, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Expansible shackle bolt and the like. 1,630,499; May 31
Rothschild, Max, New York, N. Y., assignor to Susquehanna Silk Mills. Textile fabric. Des. 72,779; May 31.
Rothschild, Max, New York, N. Y., assignor to Susquehanna Silk Mills. Textile fabric. Des. 72,780; May 31.
Roučka, Erich, Blansko, Czechoslovakia. Automatic regulator. 1,630,314; May 31.
Rouse, Thomas C., Washington, D. C. Milk-bottle holder. 1,630,409; May 31.
Rowlins, Clifton M. (See Jenks, Charles R., assignor.)
Royer, Georges G., Paris, France. Automatic means for running off liquid from containers at predetermined conditions of temperature. 1,630,907; May 31.
Ruby, James E. Waynoka, Okla. Animal trap. 1,630,969; May 31.
Ruda Manufacturing Company. (See Boucek, Charles F., assignor.)
Ruddy Manufacturing Company, The. (See Markle, George, assignor.)
Ruff, Frederick A., Belleville, N. J. Shock absorber. 1,630,275; May 31.
Ruffin, Allan F., et al., executors. (See Ruffin, John A.)
Ruffin, Horace E., et al., executors. (See Ruffin, John A.)
Ruffin, John A., deceased, Middletown, Conn.; H. E. Ruffin and A. F. Ruffin, executors. Noiseless typewriter. 1,630,765; May 31.
Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Curling iron. 1,630,766; May 31.
Ruth, George P. (See Davis, Emerson, assignor.)
Ruzicka, Henry, New York, N. Y. Braking device for sleds. 1,630,970; May 31.
Ryan, Isaac A., Ironton, Ohio. Barge-unloading apparatus. 1,631,065; May 31.
Ryder, Alfred and A. C., Sheffield, Ala. Adjustable hat block. 1,630,803; May 31.
Ryder, Alfred C. (See Ryder, Alfred and A. C.)
Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cut-out. 1,630,358; May 31.
Sage, Andrew, Farrell Borough, Pa. Combined cover-holding-down and pressure-relief device for manways. 1,630,672; May 31.
Saget, Andre, Paris, France. Locking hand-operated brakes. 1,631,066; May 31.
San Francisco-Sacramento Railroad Co. (See Miller, Frank A., assignor.)
Sandstrom, Eric, Erie, Pa. Tool-driving spindle. 1,630,541; May 31.
Saugren, Harry A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,630,276; May 31.
Savage, Basil H., assignor of four-sixteenths to N. B. Bennett, one-sixteenth to O. F. Bowman, four-sixteenths to M. A. Davis, and two-sixteenths to H. B. Newcomb, Los Angeles, Calif. Fuel-feed apparatus for internal-combustion engines. 1,630,971; May 31.
Scheu, William C., Upland, Calif. Heating orchards and apparatus therefor. 1,630,452; May 31.
Schick, Johann G., St. Gallen, Switzerland. Printing press. 1,630,583; May 31.
Schmid, Karl, Milwaukee, Wis. Suction device for removing waste and dust. 1,630,972; May 31.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system for condenser circulating pumps. 1,630,767; May 31.
Schmidt, John, Camden, N. J. Valve construction. 1,630,973; May 31.
Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Cooling apparatus for congealable substances. 1,630,864; May 31.
Schneider, Alexander M., assignor to G. Sperling, New York, N. Y. Undergarment. 1,630,315; May 31.
Schneider, William H., Freeport, N. Y. Railway-track joint. 1,630,584; May 31.
Scholes, Daniel R., Chicago, Ill., assignor to Aeromotor Company, Chicago, Ill. Post. 1,630,804; May 31.
Schrader, Gustave C. C., Forest Hills, assignor to H. I. Bernhard, New York, N. Y. Distributing fertilizer in soluble condition. 1,630,768; May 31.
Schroeder, Albert, Piqua, Ohio. Street-cleaning machine. 1,630,719; May 31.
Schueler, Julian L. (See Wynd, L. A., and Schueler.)
Schultz, Ernest, East Melbourne, Victoria, Australia. Resilient wheel. 1,630,565; May 31.
Schulz, Myrtle, Riverside, Ill. Package wrapping. 1,630,542; May 31.
Schuster, Carl J., Milwaukee, Wis. Bottle closure. 1,630,805; May 31.
Schwab, Henry M., Dormont, Pa., assignor to Byrnes & Kiefer Company. Cooking utensil. 1,630,806; May 31.
Schwab, Maurice M., and S. S., Toledo, Ohio. Caustic tank for dry-cleaning systems. 1,630,673; May 31.
Schwab, Samuel S. (See Schwab, Maurice M. and S. S.)
Schweitzer & Conrad. (See Conrad, Nicholas J., assignor.)
Scott, Archibald D., deceased, by M. V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company. Winding machine. 1,630,720; May 31.
Scott, Guy F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,630,359; May 31.
Scott, Mary V., executrix. (See Scott, Archibald D.)
Scott, Walter M. (See Barnhart, Job R., assignor.)
Scott, Walter M., and R. E. Tresise, Cleveland, Ohio. Electrical measuring instrument. 1,630,908; May 31.
Scott, William H., Rochester, N. Y. Receptacle filling and draining device. 1,630,543; May 31.
Scott, Winfield, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making disubstituted guanidines. 1,630,769; May 31.
Scully, Patrick, Lewiston, Idaho. Heating stove. 1,630,674; May 31.
Sessions, Frank L., Lakewood, Ohio. Electric butt-seam welding and apparatus therefor. 1,630,866; May 31.
Seville, William, assignor to Draper Corporation, Hopedale, Mass. Starting and stopping mechanism for looms. 1,631,067; May 31.
Seymour, Robert W., Chicago, Ill. Garage. 1,631,068; May 31.
Sharples Specialty Company. (See Jones, L. D., and Ayres, assignors.)
Shawmut Engineering Comoany. (See Hathaway, E. F., and Bixby, assignors.)
Shawmut Engineering Company. (See Hathaway, E. F., and Lea, assignors.)
Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
Shawmut Engineering Company. (See Lea, Charles, assignor.)
Sheasley, Charles H., and E. H. Crossen, Franklin, Pa. Combined automatic and manual control for drilling engines. 1,630,637; May 31.
Shelor, Olie W., and E. G. Butts, Salem, Va. Spray nozzle. 1,630,974; May 31.
Sheppard, George F. (See Pitt, William A., assignor.)
Ship Owners Radio Service, Inc. (See Pearson, Herbert H., assignor.)
Shippee, Allen E., East Providence, R. I., assignor to Stone & Webster, Inc., Boston, Mass. Making carbureted water gas. 1,630,316; May 31.
Shire, Harry L., Detroit, Mich. Indicator for automobile circuits. 1,630,807; May 31.
Siegerdt, Erich T., Chicago, Ill. Alarm device. 1,630,808; May 31.
Signal Accessories Corporation. (See Bossert, William F., assignor.)
Simmons Company. (See Bayer, Matthew F., assignor.)
Simmons Company. (See Gall, John F., assignor.)
Simmons Company. (See Kusterle, Frank, assignor.)
Simons, Philip, Pewamo, Mich. Combined cultivator tooth and sweep. 1,630,585; May 31.
Simonsen, William F., et al. (See Vaughan, John, assignor.)
Simpson, George N., Chicago, Ill. Power mechanism. 1,630,809; May 31.
Simpson, George N., Chicago, Ill. Power mechanism. 1,630,810; May 31.
Sinclair, Peter S., assignor to Holyoke Heater Company, Holyoke, Mass. Joint packing. 1,630,675; May 31.
Sinks, William R. (See Budd, T. D., and Sinks.)
Skaletzky Bros, Inc. (See Skaletzky, Samuel, assignor.)
Skaletzky, Samuel, assignor to Skaletzky Bros. Inc., New York, N. Y. Finger ring. Des. 72,781; May 31.
Skoiner, Frank J., Altoona, Pa. Air-control valve. 1,630,317; May 31.
Sloss Perfect Coffee Maker, Inc. (See Reckard, Henry L., assignor.)
Smith, Edward D., Erie, Pa. Milk-bottle cover and receptacle. 1,630,867; May 31.
Smith, Frederick H., Dover, N. H. Cooking device. 1,630,676; May 31.
Smith, Frederick R., and S. M. Viale, Coventry, England. Driving of rotary blowers or pumps for use on internal-combustion engines. 1,630,544; May 31.
Smith, Henry, Chicago, Ill. Control for curtain and awning rollers. 1,630,770; May 31.
Smith, Ira E., Stockton, Calif. Thermostat switch. 1,630,586; May 31.

Smith, Irving R., Wauwatosa, assignor to Sterling Wheelbarrow Company, Milwaukee, Wis. Wheelbarrow. 1,630,975; May 31.
Smith, Jack R. C., Victoria, British Columbia, Canada. Valve-core extractor. 1,630,976; May 31.
Smith, James, Edinburgh, Scotland. Mechanical detachable hand and forearm. 1,630,277; May 31.
Smith, Owen P., Miami, Fla. Starting cage for dog racing and the like. 1,360,811; May 31.
Smith, Owen P., Miami, Fla. Traction car and the like. 1,630,812; May 31.
Smith, Sydney, assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,630,545; May 31.
Smith, Turner B., Wilmington, Calif. Bed attachment. 1,630,453; May 31.
Smith, Washington S. (See Cleage, T. D., Smith, and Murray.)
Smith, William M., Turtle Creek, Pa. Power generator. 1,631,069; May 31.
Smoot, Charles H., Maplewood, N. J. Furnace regulation. 1,630,977; May 31.
Snelling, Walter O., Allentown, Pa. Sponge rubber. 1,630,721; May 31.
Snelling, Walter O., Allentown, Pa. Making hollow rayon fibers. 1,631,071; May 31.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Coal-mining explosive. 1,631,070; May 31.
Snow, Jabes S., sr., Schuyler, Va. Oil cup. 1,631,072; May 31.
Snyder, Herbert T., assignor to Upressit Products Corporation, New York, N. Y. Receptacle closure. 1,630,360; May 31.
Sobel, Joseph, New York, N. Y. Ventilator. 1,630,978; May 31.
Sorenson, Chris, Tacoma, Wash. Piston. 1,631,073; May 31.
Spalding, A. G., & Bros. (See Williamson, Frank S., assignor.)
Speirs, Charles W., assignor to Morgan Crucible Company Limited, Battersea, London, England. Kiln and other heat-treatment furnace. 1,630,587; May 31.
Spence, Lewis J., Brooklyn, N. Y. Freight-car construction. 1,630,868; May 31.
Sperling, G. (See Schneider, Alexander M., assignor.)
Sperry, Herbert B., Chicago, Ill., assignor to Appleton Manufacturing Company. Blower pipe for wind stackers. 1,630,588; May 31.
Stabile, Louis, Brooklyn, N. Y. Lock for steering wheels. 1,630,979; May 31.
Stainbrook, Charles M., Bowling Green, Ky. Vehicle sunshade. 1,631,074; May 31.
Staley, Harrison L., Martinsville, Ind. Tube-cleaner valve. 1,630,677; May 31.
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Standard Mirror Company. (See La Hodny, W., and Kibitz, assignors.)
Stapel, Adolf G., Montgomery, Ala. Rotary plow. 1,631,075; May 31.
Star Chandelier Co. (See Boehringer, John A., assignor.)
Stay, Theron D., and C. O. Tessler, Cleveland, Ohio, assignors, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Apparatus for reclaiming metals. 1,630,361; May 31.
Steenrod, William J., assignor to Baker-Vawter Company, Benton Harbor, Mich. Binder. 1,630,500; May 31.
Steere, Ernest C., Sydney, New South Wales, Australia. Electric water heater. 1,630,909; May 31.
Steese, Marcus C., Duluth, Minn. Life-saving apparatus. 1,630,501; May 31.
Stein, Fred W., Atchison, Kans. Radio interference eliminator. 1,630,980; May 31.
Steinmetz, Herman, assignor to Bat-A-Peny Corporation, Rochester, N. Y. Game apparatus. 1,630,869; May 31.
Stephens, Samuel, and Wickersham Quoin Company. (See Stephens, William, assignor.)
Stephens, William, Somerville, Mass., assignor to Samuel Stephens and Wickersham Quoin Company, Boston, Mass. Composing-room cabinet. 1,630,678; May 31.
Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Snubbing circuit for semaphore signal. 1,630,981; May 31.
Sterling Wheelbarrow Company. (See Smith, Irving R., assignor.)
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Bead-placing device. 1,630,722; May 31.
Stevenson, William, Dunedin Otago, New Zealand. Fuel atomizer. 1,630,410; May 31.
Stewart-Warner Speedometer Corporation. (See Ross, Frank A., assignor.)
Stiriss, Jacob, New York, assignor to The Larvex Corporation, Brooklyn, N. Y. Nozzle for atomizers. 1,630,278; May 31.
Stone, Bertha E., Great Falls, Mont. Feeder. 1,630,982; May 31.
Stone & Webster, Inc. (See Klein, August C., assignor.)
Stone & Webster, Inc. (See Shippee, Allen E., assignor.)
Streeter-Amet Weighing & Recording Company. (See Wiley, George G., assignor.)
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Hull and cotton separator and cleaner. 1,630,638; May 31.
Stroop, Howard T., A. F. Hauser, and J. Hammer, Peoria, Ill. Rolling tub stand. 1,630,279; May 31.
Strunck, Carl F., Hendersonville, N. C. Display stand. 1,630,870; May 31.
Studebaker Corporation, The. (See Smith, Sydney, assignor.)
Studebaker Corporation, The. (See Williams, Clarence H., assignor.)
Studevant, L. M. (See Waterworth, Robert J., assignor.)
Sulzer Frères Société Anonyme. (See Wirth, Elias, assignor.)
Superheater Company, The. (See McKee, Neal T., assignor.)
Susquehanna Silk Mills. (See Bunting, James H., assignor.)
Susquehanna Silk Mills. (See Rothschild, Max, assignor.)
Sutherland, Boyd C., North Garden, Va. Fruit cleaning and polishing machine. 1,630,983; May 31.
Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Valve. 1,630,362; May 31.
Swan, John W., Stamford, Conn. Carburetor. 1,630,723; May 31.
Swartz, Hugh, and P. C. Mulligan, assignors to Dual Oil Burner Company. Steam generator. 1,630,546; May 31.
Swartzbaugh Mfg. Co., The. (See Ziola, Henry A., assignor.)
Sweet, Arthur, Salt Lake City, Utah. Confection package. 1,630,984; May 31.
Swift & Company. (See Parsons, Clinton H., assignor.)
Symons Brothers Company. (See Symons, Edgar B., assignor.)
Symons, Edgar B., Los Angeles, Calif., assignor to Symons Brothers Company, Milwaukee, Wis. Crushing disk. 1,630,502; May 31.
Syracuse Washing Machine Corporation. (See Bliss, Donald M., assignor.)
Taber, William P., Adena, Ohio. Supporting roof strata during the mining of minerals. 1,630,589; May 31.
Tartrais, Eugène H., Montmorency, France. Lubricating arrangement for the cylinders of two-stroke cycle engines. 1,630,547; May 31.
Tasker, Richard H., Liverpool, England. Knife for use in flaying cattle and like purposes. 1,630,871; May 31.
Tate, Kenneth L. (See Norwood, H. Y., and Tate.)
Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for measuring the flow of gases. 1,630,318; May 31.
Taylor, Clarence E., Watseka, Ill. Self-thawing radiator for motor vehicles. 1,630,872; May 31.
Taylor Instrument Companies. (See Amdursky, Samuel S., assignor.)
Taylor Instrument Companies. (See Carson, Charles B., assignor.)
Taylor Instrument Companies. (See Ely, James, assignor.)
Taylor Instrument Companies. (See Foote, Edward B., assignor.)
Taylor Instrument Companies. (See Heesch, Henry W., assignor.)
Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)
Taylor Instrument Companies. (See Norwood, H. Y., and Tate, assignors.)
Taylor Instrument Companies. (See Tate, Kenneth L., assignor.)
Taylor, Stanley A. (See Falk, George F., assignor.)
Taylor, Thomas M., assignor to Keystone Roofing Manufacturing Company, York, Pa. Drip sheet. 1,630,639; May 31.
Taylor Wordsworth and Company. (See Layland, W. E., and Whitehead, assignors.)
Telfer, Andrew. (See Bosle, J. P., and Telfer.)
Terkelsen, Andrew. (See Derry, Jasper, assignor.)
Tessler, Charles O. (See Stay, T. D., and Tessler.)
Teter, Jacob P., Indianapolis, Ind. Dehydrater for clay slips. 1,630,280; May 31.
Textile Machine Works. (See Brumbach, Alvin L., assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)
Thoma, Eugen, Pforzheim, Germany. Soldering articles. 1,630,771; May 31.
Thomas, Adolph A., New York, N. Y. Electric phonograph reproducer. 1,630,640; May 31.
Thomas, Adolph A., New York, N. Y. Electric sound reproducer. 1,630,641; May 31.
Thomas, Adolph A., New York, N. Y. Electric sound reproducer. 1,630,642; May 31.
Thomas, Adolph A., New York, N. Y. Electric phonograph reproducer. 1,630,643; May 31.
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode holder for glow-discharge transmitters. 1,630,454; May 31.
Thompson, Don N., Syracuse, assignor to Pass & Seymour Inc., Solvay, N. Y. Electric-lamp socket. 1,630,679; May 31.
Thompson, William D., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car-body construction. 1,630,548; May 31.

Tielkemeyer, Henry, St. Louis, Mo. Curtain and drape fixture. 1,630,549; May 31.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye-testing cabinet. 1,630,281; May 31.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Apparatus and process for producing ophthalmic lenses. 1,630,724; May 31.
Tinsman, Samuel H., Morris, Ill. Riding cultivator. 1,630,772; May 31.
Titeflex Metal Hose Co. (See Herbst, William K., assignor.)
Titus Blatter & Company. (See Biva, Lucien, assignor.)
Titusville Forge Company, et al. (See Davidson, William D., assignor.)
Tival, Henri L. P., Le Pec, France. Preparing products of organic origin. 1,630,985; May 31.
Torian, Thomas H. (See Phillips, G. F., and Torian.)
Toy Tinkers, Inc. (See Pajeau, Charles, assignor.)
Travers, Henry A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-tap-changing device. 1,630,363; May 31.
Tremain, James G., Port Huron, assignor of one-half to J. Tremain, Detroit, Mich. 1,630,550; May 31.
Tremain, Joseph. (See Tremain, James G., assignor.)
Tresise, Raleigh E. (See Scott, W. M., and Tresise.)
Tri-Ergon Limited. (See Massolle, J., and Vogt and Engl, assignors.)
Trimble, Charles P., assignor to Fort Pitt Bedding Company, Pittsburg, Pa. Bed spring and the like. 1,631,076; May 31.
Trotel, Arthur E., Berkeley, assignor to Montague Range and Furnace Co., San Francisco, Calif. Rotary roasting range. 1,630,644; May 31.
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Troy Laundry Machinery Company. (See Balzer, Fritz, assignor.)
Troy Sunshade Company, The. (See Dillingham, Frederick A., assignor.)
Tucker, William R., Dawsonville, Ga. Molding faced concrete units. 1,630,590; May 31.
Tudor, James H., Cincinnati, Ohio. Illuminating device for vehicles. 1,630,986; May 31.
Turner, Fannie L., Charlotte, N. C. Magnetic sweeper. 1,630,987; May 31.
Tuska, Clarence D., assignor to The C. D. Tuska Company, Hartford, Conn. Variometer. 1,630,873; May 31.
Tuska, Clarence D., assignor to The C. D. Tuska Company, Hartford, Conn. Mold for variometers. 1,630,874; May 31.
Tuska, C. D., Company, The. (See Miner, Robert S., assignor.)
Tuska, C. D., Company, The. (See Tuska, Clarence D., assignor.)
Twedt, Carl I., and M. Hegg, Leonard, N. Dak. Grain-car door. 1,630,680; May 31.
Tyler, Thaddeus F., Haverhill, Mass. Adjustable handle for machine dies. 1,630,988; May 31.
Ufford, Edith H., Salina, Kans. Doll. Des. 72,782; May 31.
Underwood Typewriter Company. (See Helmond, William F., assignor.)
Union Switch & Signal Company, The. (See Howard, Lemuel F., assignor.)
Union Switch and Signal Company, The. (See Zierdt, Conrad H., assignor.)
United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
United States Finishing Company, The. (See Mowry, Harold B., assignor.)
United States Gypsum Company. (See Utzman, Clarence W., assignor.)
United States Machinery Manufacturing Company. (See Woodward, Charles L., assignor.)
Universal Crane Company, The. (See Deucher, Eugene G., assignor.)
Universal Jacks & Hoist Corporation. (See Hahn, Otto W., assignor.)
Universal Optical Corporation. (See Nelson, John N., assignor.)
Upham, Donald, et al. (See Dixon, Abner, F., assignor.)
Upressit Products Corporation. (See Snyder, Herbert T., assignor.)
Usener, Hans, Kiel, Germany. Armature for distant control indicators for continuous and alternating current. 1,630,593; May 31.
Usigli, Bruno, assignor to the Firm Instrumenti di Misura C. G. S. Societa Anonima, Milan, Italy. Electrical measuring instrument of the type employing a control motor. 1,630,989; May 31.
Utzman, Clarence W., assignor to United States Gypsum Company, Chicago, Ill. Bound-edge plaster wall board. 1,631,108; May 31.
Van Gale, Alfred, Newark, N. J. Combination divider. 1,630,773; May 31.
Van Veen, Anton, Hartford, and G. F. Matteson, Rocky Hill, assignors to The Fuller Brush Company, Hartford, Conn. Heat-branding machine. 1,630,282; May 31.
Varley Duplex Magnet Company. (See Scott, Archibald D., assignor.)
Varley Duplex Magnet Company. (See Varley, Richard, assignor.)
Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Magneto. 1,630,645; May 31.
Vaughan, John, assignor of three-eighths to A. Nor, Milwaukee, Wis., and one-eighth to W. F. Simonsen. Safety-razor-blade sharpener. 1,630,551; May 31.
Velissaropulos, John, executor. (See Zalocostas, Demetrius G.)
Verba, James, assignor to Lennox Furnace Company, Marshalltown, Iowa. Furnace damper device. 1,630,591; May 31.
Viale, Spirito M. (See Smith, F. R., and Viale.)
Victor Chemical Works. (See Waggaman, W. H., and Easterwood, assignors.)
Vida, Frank J., Staten Island, N. Y. Bed-spring attachment. 1,630,813; May 31.
Vitrolite Company, The. (See Carpenter, A. H., and Huntley, assignors.)
Vogt, Hans. (See Massolle, J., Vogt, and Engl.)
Voices Incorporated. (See Aronson, Louis V., assignor.)
Voices Incorporated. (See Evans, Fred, assignor.)
Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,630,814; May 31.
Wachter, Johann H., New York, N. Y. Pattern for producing lacework. 1,630,681; May 31.
Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,630,875; May 31.
Wagg, Harley A., Wapello, Iowa. Soldering iron. 1,630,090; May 31.
Waggaman, William H., and H. W. Easterwood, Chicago Heights, assignors to Victor Chemical Works, Chicago, Ill. Production of phosphoric acid. 1,630,283; May 31.
Waldman, Clemens. (See Zeller, O., and Waldman.)
Walker, Richard A., Skidmore, Mo. Oil filter. 1,630,504; May 31.
Wallace, William H., Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Spring Corporation, Detroit, Mich. Vehicle spring. 1,630,364; May 31.
Waller, Carl R., assignor to De Laval Steam Turbine Company, Trenton, N. J. Governing means for turbines. 1,630,725; May 31.
Wallis, Barnes N., assignor to Airship Guarantee Company, Limited, Westminster, London, England. Lighter-than-air aircraft. 1,630,726; May 31.
Walstad, Adolph N., Tacoma, Wash. Subgrade template. 1,630,991; May 31.
Walther, Frank, Detroit, Mich. Centering calipers. 1,630,505; May 31.
Wandel, Kurt, assignor, by mesne assignments, to Arkell Safety Bag Company, New York, N. Y. Air-suction crinkling apparatus. 1,630,319; May 31.
Wandel, Kurt, assignor, by mesne assignments, to Arkell Safety Bag Company, New York, N. Y. Paper-creping apparatus. 1,630,320; May 31.
Warwick, Rogers M. (See Pangborn, L. D., Warwick, and McKay.)
Waterman, Elizabeth H., Binghamton, N. Y. Game apparatus. 1,630,646; May 31.
Waterman, Harry H., Strasburg Junction, Va. Air-swept ball mill. 1,630,992; May 31.
Waterworth, Robert J., assignor of one-half to L. M. Studevant, Sidney, Ohio. Rotary feeder. 1,630,552; May 31.
Watkins, John C., Vancouver, British, Columbia, Canada. Ice-cream cabinet. 1,630,682; May 31.
Watson, James A., Silver Spring, Md. Oil-purifying apparatus for hydrocarbon engines. 1,630,876; May 31.
Watson, William F., Athens, Ga. Garage. 1,630,553; May 31.
Weaver, Clarence A. (See Catlin, Winfield, assignor.)
Weber, Carl, Hilton, Nebr. Circuit closer for hold-up alarms. 1,630,455; May 31.
Weber, Henry C. P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensation product. 1,630,365; May 31.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Grab. 1,630,456; May 31.
Weis Manufacturing Company, The. (See Wuest, Albert G., assignor.)
Weissinger, Emil C., assignor to Builders' Needs, Incorporated, Milwaukee, Wis. Ornamental mantel. 1,630,910; May 31.
Wellman, Samuel K., Cleveland, Ohio. Shock absorber. 1,631,077; May 31.
Wellman, Samuel K., Cleveland, Ohio. Shock absorber. 1,631,078; May 31.
Wellman, Samuel K., Cleveland, Ohio. Shock absorber for automobiles. 1,631,079; May 31.
Wentz, Jere L., Passaic, N. J. Massage machine. 1,630,911; May 31.
Wescott, William B., Dover, Mass. Treating latex and product thereof. 1,630,411; May 31.
Wescott, William B., Dover, Mass. Centrifugal machine. 1,630,412; May 31.
West, Derrick S., Portland, Oreg. Vise. 1,630,993; May 31.
Western Electric Company. (See Arkema, Harold P., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Ray, Joseph L., assignor.)

Westin, Charles J., Rockaway, N. J., assignor to Wirebounds Patents Company. Stapling tool. 1,630,877; May 31.
Westinghouse Electric and Manufacturing Company. (See Aram, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)
Westinghouse Electric and Manufacturing Company. (See Coates, W. A., Gittins, and Davies, assignors.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Flanders, Warren B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Foresman, R. A., and Aram, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haverstick, Earl J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krauss, Kurt, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kühn, Ludwig, assignor.)
Westinghouse Electric & Manufacturing Company. (See McCullough, Frederick S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Meyer, Harry R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pilling, Norman B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Scott, Guy F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Travers, Henry A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Weber, Henry C. P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westinghouse Gear and Dynamometer Company. (See Baumann, Karl, assignor.)
Weston, Edward F., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 1,630,592; May 31.
Weston Electrical Instrument Corporation. (See Weston, Edward F., assignor.)
Wettengel, George A., St. Louis, Mo. Device for preventing theft of automobiles in highways. 1,630,284; May 31.
Wheary Trunk Company. (See Luce, Milton H., assignor.)
Wheelock, Herbert K., Akron, Ohio. Vulcanizing apparatus. 1,630,457; May 31.
Wheelock, Herbert K., assignor to The Akron Tyrwelder Company, Akron, Ohio. Tire-repair vulcanizer. 1,630,815; May 31.
White, J. H., Manufacturing Company. (See Crumley, Le Roy A., assignor.)
Whitehead, John H. (See Layland, W. E., and Whitehead.)
Whitehead and Kales, Inc. (See Rainsford, Thomas F., assignor.)
Whiting Corporation. (See Beetham, M. F., and Moore, assignors.)
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Method and apparatus for making edge-wound coils. 1,630,912; May 31.
Wicks, Herbert, Midland, Ontario, Canada. Wreck-lifting device. 1,630,994; May 31.
Wico Electric Company. (See Hubbell, Harry C., assignor.)
Wilcox, George, Riverside, Calif., assignor to California Canning Machinery Co. Clutch mechanism. 1,630,816; May 31.
Wildhaber, Christian, New York, N. Y. Device for separating pins from sweepings. 1,630,366; May 31.
Wiley, George G., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill. Swing-sash latching fixture. 1,630,913; May 31.
Wilkins, Chester A., Sacramento, Calif., and S. D. Wilkins, St. Louis, Mo. Insecticide. 1,630,506; May 31.
Wilkins, Stanley D. (See Wilkins, Chester A. and S. D.)
Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 1,630,817; May 31.
Williams, Arthur H. T., Portland, Oreg. Gas holder. 1,630,047; May 31.
Williams, Clarence H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Switch. 1,630,458; May 31.
Williams, John P., Bayside, assignor to Duplex Electric Company, New York, N. Y. Foot-rail contactor for electric burglar-alarm. 1,630,914; May 31.
Williams, Samuel R. (See Holden, A. P., Morgan, and Williams.)
Williams, Theron H., Chicago, Ill. Shock absorber. 1,630,915; May 31.
Williamson, Frank S., Cricopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Tennis racket. 1,630,683; May 31.
Willis, Childe H., Marysville, Mich. Oil-feed construction. 1,630,554; May 31.
Wilms, Gustav O., assignor, by mesne assignments, to The Reliance Company, Milwaukee, Wis. Pressure rheostat. 1,631,111; May 31.
Wilson, Alva R., Moline, Kans. Gas burner. 1,630,878; May 31.
Winship, Albert W., assignor to W. W. Winship & Sons, Inc., Utica, N. Y. Jobber's display trunk. 1,630,879; May 31.
Winship, W. W., & Sons, Inc. (See Winship, Albert W., assignor.)
Wirebounds Patents Company. (See Westin, Charles J., assignor.)
Wirth, Elias, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Absorption refrigerator. 1,630,648; May 31.
Withycombe, Robert M., Sydney, New South Wales, Australia. Bath spray brush. 1,630,995; May 31.
Witt, Roy M., Tampa, Fla. Tube. 1,630,555; May 31.
Wittenberg, Frank, jr., Little Rock, Ark. Chart. 1,630,916; May 31.
Wolcott, Edson R., Port Arthur, Tex. Burner for heavy hydrocarbons. 1,630,556; May 31.
Wonder Window Washer Corp. (See Barlow, Harry T., assignor.)
Woodbridge, Charles K., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Sound collecting and transmitting. 1,630,367; May 31.
Woodbridge, Joseph L., Philadelphia, Pa. Railway signal system. 1,630,727; May 31.
Woodison, E. J., Company. (See Burman, George A., assignor.)
Woodrow, Walter J., London, England. Cover for manholes. 1,630,557; May 31.
Woodruff, Joseph W., Elizabeth, N. J. Force-feed lubricator. 1,630,321; May 31.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor mounting for electric furnaces. 1,630,368; May 31.
Woodward, Charles L., West Springfield, assignor to United States Machinery Manufacturing Company, Springfield, Mass. Dishwashing machine. 1,630,684; May 31.
Wright, James D., Almena, Kans. Cultivator. 1,630,996; May 31.
Wright, Rea P., Washington, D. C., assignor to Marvel Carburetor Company, Flint, Mich. Thermostatic heat control for internal-combustion engines. 1,630,728; May 31.
Wuest, Albert G., assignor to The Weis Manufacturing Company, Monroe, Mich. Card-index device. 1,630,322; May 31.
Wylie, Hamilton N., and F. M. Green, Coventry, England. Joint for sheet-metal plates. 1,630,558; May 31.
Wynd, Leo A., and J. L. Schueler, Peoria, Ill. Coating materials having an iron or steel base. 1,630,507; May 31.
Wynd, Leo A., and J. L. Schueler, Peoria, Ill. Galvanizing apparatus. 1,630,508; May 31.
Yakubowski, Maryan, White Haven, Pa. Plow support. 1,630,997; May 31.
Yates, Homer, Regina, Saskatchewan, Canada. Cable splicer. 1,630,880; May 31.
Young, Charles O., Jackson Heights, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Making esters from aldehydes. 1,630,593; May 31.
Young, Jacob L., New York, N. Y. Method and apparatus for grinding surfaces. 1,630,685; May 31.
Young, Jacob L., New York, N. Y. Apparatus for grinding gun barrels. 1,630,686; May 31.
Zaidan Hojin Rikagaku Kenkyujo. (See Ikeda, K., Isobe, and Okazawa, assignors.)
Zalocostas, Andrianne, executrix. (See Zalocostas, Demetrius G.)
Zalocostas, Demetrius G., deceased, by A. Zalocostas, executrix, and J. Velissaropulos, executor, Sydney, New South Wales, Australia. Manufacture of ferric oxide. 1,630,881; May 31.
Zdanowich, Joe O., London, England. Manufacture of artificial silk or the like. 1,630,285; May 31.
Zeh, Edmund W., Newark, N. J. Clutch-operating mechanism for power presses. 1,630,882; May 31.
Zeidler Economy Spring Pad Co. (See Zeidler, William A., assignor.)
Zeidler, William A., assignor to Zeidler Economy Spring Pad Co., Inc., New York, N. Y. Pad for laundry and other machines. 1,630,459; May 31.
Zeller, Otto, East Aurora, and C. Waldman, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphur black dye. 1,630,818; May 31.
Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch and Signal Company, Swissvale, Pa. Train-carried receiver for automatic train control systems. 1,630,559; May 31.
Zioln, Henry A., assignor to The Swartzbaugh Mfg. Co., Toledo, Ohio. Electric heater. 1,630,649; May 31.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Account system. W. M. Fredenburg. 1,630,840; May 31.
Acid, Production of phosphoric. W. H. Waggaman and H. W. Easterwood. 1,630,283; May 31.
Adhesive tape. P. Banff. 1,630,597; May 31.
Adhesive tape, Antiseptic. P. Banff. 1,630,596; May 31.
Adsorbent and the product thereof, Making an. K. Ikeda, H. Isobe, and T. Okazawa. 1,630,660; May 31.
Advertising device. P. E. Klopsteg. 1,630,490; May 31.
Aeroplane, Dirigible. J. Fox. 1,630,336; May 31.
Aircraft, Lighter-than-air. B. N. Wallis. 1,630,726; May 31.
Airplane wing construction. J. E. Griffin. 1,630,938; May 31.
Air-suction crinkling apparatus. K. Wandel. 1,630,319; May 31.
Alarm: *See*—
Fire alarm.
Alarm device. E. T. Siegerdt. 1,630,808; May 31.
Alarm systems, Foot-rail contactor for electric burglar-. J. P. Williams. 1,630,914; May 31.
Alarms, Circuit closer for hold-up. C. Weber. 1,630,455; May 31.
Alloy, Steel. W. Oertel. 1,630,448; May 31.
Amplifier. J. Massolle, H. Vogt, and J. Engl. 1,630,753; May 31.
Amplifier for electrically-disturbed telephone lines. M. Latour. 1,630,346; May 31.
Animal trap. W. Catlin. 1,630,607; May 31.
Animal trap. S. Morelli. 1,630,798; May 31.
Animal trap. J. E. Ruby. 1,630,969; May 31.
Annealing or heating furnace. J. R. Coe. 1,630,784; May 31.
Armature for distant-control indicators for continuous and alternating current. H. Usener. 1,630,503; May 31.
Ash gate. F. H. Dunbar. 1,630,378; May 31.
Autographic register. P. A. Jackson. 1,630,298; May 31.
Automatic regulator. E. Roucka. 1,630,314; May 31.
Automobile circuits, Indicator for. H. I. Shire. 1,630,807; May 31.
Automobile jack. O. W. Hahn. 1,630,792; May 31.
Automobile radiators and the like, Closure for. J. Jacques and A. W. Oswald. 1,630,897; May 31.
Automobile radiators, Water gauge for. L. A. Jarvis. 1,630,388; May 31.
Automobile safety fender. C. Leone. 1,630,951; May 31.
Automobile suspension. E. Martin. 1,631,103; May 31.
Automobiles, Combined glare, wind, rain, and insect shield for. W. I. Clements. 1,631,010; May 31.
Automobiles in highways, Device for preventing theft of. G. A. Wettengel. 1,630,284; May 31.
Automobiles, Theft alarm for. I. L. Ridge. 1,630,968; May 31.
Awning. C. L. Clementi and E. W. Hildebrandt. 1,630,416; May 31.
Badge or similar article. B. J. De Passe. Des. 72,764; May 31.
Bag: *See*—
Vanity hand bag.
Bag and twine holder, Paper. E. A. Carlson. 1,630,606; May 31.
Ball-cone elements, Making. B. G. Nice. 1,630,715; May 31.
Ball mill, Air swept. H. H. Waterman. 1,630,992; May 31.
Bar: *See*—
Steel bar.
Barbers' chairs, Seat for. R. Hydron and D. Forsyth. 1,630,432; May 31.
Barge-unloading apparatus. I. A. Ryan. 1,631,065; May 31.
Barrel closure. G. H. Ames. 1,630,510; May 31.
Basket, Fruit packing. W. A. Breckon. 1,631,005; May 31.
Bathtubs and lavatories, Waste valve for. J. N. Mortimer. 1,630,352; May 31.
Bead-placing device. W. C. Stevens. 1,630,722; May 31.
Bearing. C. Bethel. 1,630,369–70; May 31.
Bearing and assembling the same, Antifriction. J. A. Ganster. 1,630,339; May 31.
Bearing, Antifriction. W. A. Pitt. 1,630,310; May 31.
Bearing, Journal. A. Poweiski. 1,630,967; May 31.
Bed attachment. T. B. Smith. 1,630,453; May 31.
Bed spring. J. Pepernick. 1,631,056; May 31.
Bed spring and the like. C. P. Trimble. 1,631,076; May 31.

Bed-spring attachment. F. J. Vida. 1,630,813; May 31.
Beds, Foot-frame lock for foldable. G. E. Bennett. 1,631,081; May 31.
Beehives, Wire queen excluder for. G. Markle. 1,630,856; May 31.
Bellows, Manufacture of metallic. J. M. Lea. 1,630,622; May 31.
Belts, Making. A. Jewett. 1,630,617; May 31.
Bicycle. G. Makris. 1,630,442; May 31.
Bicycles, Resilient wheel for. L. Balogh. 1,630,920; May 31.
Billiard cues, Securing leather discs to the ends of. T. Detroyes. 1,630,417; May 31.
Binder. W. J. Steenrod. 1,630,500; May 31.
Binder, Loose-leaf. H. B. Jennings, jr. 1,630,849; May 31.
Binder, Temporary. H. C. Miller. 1,631,049; May 31.
Bins, Combination spout and gate for. R. P. Micallef. 1,630,538; May 31.
Bit: *See*—
Router bit.
Blast-furnace construction. W. Enton and D. T. Croxton. 1,630,474; May 31.
Block: *See*—
Hat block. Snatch block.
Blood-coagulation medium. C. A. Mills. Re16,639; May 31.
Blood transfusion. N. C. Aguilar. 1,630,248; May 31.
Blowpipe tip. J. H. Bucknam. 1,631,007; May 31.
Boat. H. Meyer. 1,631,047; May 31.
Bobbin. N. E. Lucas. 1,631,043; May 31.
Bobbins, Making. J. N. Anderson. 1,630,819; May 31.
Bolt and the like, Expansible shackle. F. A. Ross. 1,630,499; May 31.
Bottle closure. J. G. Börgesen. 1,630,466; May 31.
Bottle closure. C. J. Schuster. 1,630,805; May 31.
Bottle cover and receptacle, Milk-. E. D. Smith. 1,630,867; May 31.
Bottle holder, Milk-. T. C. Rouse. 1,630,409; May 31.
Bowling alley. R. L. Lloyd. 1,630,440; May 31.
Box: *See*—
Display box. Stuffing box.
Flow box.
Box or similar container. R. T. Brewster. Des. 72,759; May 31.
Boots and shoes, Machine for use in manufacture of. A. B. Fowler. 1,630,562; May 31.
Brace: *See*—
Furniture brace.
Bracelet. W. Lichtenfels. 1,630,955; May 31.
Bracket: *See*—
Mirror bracket.
Braiding carrier. H. Janssen. 1,630,266; May 31.
Braiding elastic fabrics, Machine for. J. M. C. Branco. 1,631,082; May 31.
Braiding machines, Carrier for. F. Moosberg. 1,630,660; May 31.
Brake: *See*—
Hydraulic brake.
Brake mechanism, Hydraulic. R. E. McCleary. 1,630,711; May 31.
Brake-rod head. W. W. Blakely and C. A. Goodspeed. 1,630,519; May 31.
Brakes, Locking hand-operated. A. Saget. 1,631,066; May 31.
Bricks, Repressing. H. K. King. 1,630,436; May 31.
Brush. W. J. Cox. 1,631,015; May 31.
Brush, Bath spray. R. M. Withycombe. 1,630,995; May 31.
Brush, Folding. J. F. Connor. 1,631,011; May 31.
Brush with detachable handle. W. R. James. 1,630,703; May 31.
Buckle. H. M. Pfaltzgraff. 1,630,758; May 31.
Buckle, Belt. F. R. Matteson. 1,631,104; May 31.
Building structures, Mold form for. W. E. Keller. 1,630,795; May 31.
Bumper and fitting, Automobile. W. G. Cox. 1,630,374; May 31.
Burner: *See*—
Gas burner.
Burners, Ignition system for. H. C. Hubbell. 1,630,702; May 31.
Burners, Safety device for. S. Dahl. 1,630,926; May 31.
Button, Indentification. J. A. Mahank. 1,630,885; May 31.
Cabinet, Composing-room. W. Stephens. 1,630,678; May 31.

Cabinet, Ice-cream. J. C. Watkins. 1,630,682; May 31.
Cable splicer. H. Yates. 1,630,880; May 31.
Cable support. A. W. Gothberg. 1,630,423; May 31.
Cage for dog racing and the like, Starting. O. P. Smith. 1,630,811; May 31.
Caisson, Apparatus and method of constructing and sinking a. J. R. Freeman. 1,630,337; May 31.
Calculating machine. H. Hoffmeister. 1,631,033; May 31.
Calipers, Centering. F. Walther. 1,630,505; May 31.
Calipers, Micrometer. P. J. Darlington. 1,631,019; May 31.
Cam motor, Duplex. H. A. Nordwick. 1,630,273; May 31.
Candy confection. H. A. Myers. Des. 72,777; May 31.
Canister: *See*—
Measuring canister.
Car and the like, Traction. O. P. Smith. 1,630,812; May 31.
Car, Automobile wrecking. G. W. Page. 1,630,800; May 31.
Car-body construction. W. D. Thompson. 1,630,546; May 31.
Car construction, Freight-. L. J. Spence. 1,630,868; May 31.
Car-coupler uncoupling mechanism. J. T. Fitzpatrick. 1,630,481; May 31.
Cars, Repair construction for wooden-frame box. E. G. Franck. 1,630,483; May 31.
Cars, Spotlight for mail. D. F. Bradshaw. 1,631,003; May 31.
Carbonator. G. H. Maas. 1,630,575; May 31.
Carburetor. G. M. Bicknell. 1,630,887; May 31.
Carburetor. J. G. Lanning. 1,630,493; May 31.
Carburetor. J. W. Swan. 1,630,723; May 31.
Card-holding device. D. E. B. Combs. 1,630,373; May 31.
Card table. A. W. Koehn. 1,630,851; May 31.
Carrier: *See*—
Braiding carrier. Pipe carrier.
Carton. W. A. Morris. 1,630,497; May 31.
Case: *See*—
Key case. Shipping case.
Cash register. E. J. Von Pein. 1,630,814; May 31.
Caster mounting. M. F. Bayer. 1,630,514; May 31.
Cellulose composition. W. G. Lindsay. 1,630,752; May 31.
Centrifugal machine. W. B. Wescott. 1,630,412; May 31.
Centrifugal machine and process involving the use of the same. L. D. Jones and A. U. Ayres. Re16,640; May 31.
Chandelier. J. A. Boehringer. Des. 72,756; May 31.
Chandelier, Arm for a. J. A. Boehringer. Des. 72,754; May 31.
Chart. F. Wittenberg, jr. 1,630,916; May 31.
Chocolate and the like, Conditioning apparatus for. W. A. Moir. 1,630,714; May 31.
Choke actuator, Automatic. E. J. Hifner. 1,630,614; May 31.
Chopper: *See*—
Cotton chopper.
Chromium-plated carbon article. F. M. Becket. 1,630,688; May 31.
Chuck. G. A. Englund. 1,630,259; May 31.
Cigar and cigarette lighting container. R. H. Doak. 1,631,020; May 31.
Cigar lighter and advertising display stand, Combined. V. E. Extrom. Des. 72,765; May 31.
Cigar lighter, Spring-retracted, Electric. W. Leschman. 1,630,952; May 31.
Cigarette-rod-forming mechanism, Mount for the tongues of. F. Di Ianni. 1,630,488; May 31.
Circuit interrupter. O. H. Eschholz. 1,630,477; May 31.
Clamp. A. D. Purtle. 1,630,863; May 31.
Clay slips, Dehydrator for. J. P. Teter. 1,630,280; May 31.
Cleaner: *See*—
Windshield cleaner.
Cleaning and polishing composition, Furniture. C. E. Frostman. 1,630,699; May 31.
Cleaning and polishing machine, Fruit. B. C. Sutherland. 1,630,983; May 31.
Clock. W. E. Cooke. 1,630,891; May 31.
Closure. C. D. Collins. 1,630,785; May 31.
Closure. J. Jacques. 1,631,098; May 31.
Clothes form. B. Baker. 1,630,820; May 31.
Clutch, Friction. A. A. Conway. 1,630,656; May 31.
Clutch mechanism. G. Wilcox. 1,630,816; May 31.
Coal-mining explosive. W. O. Snelling. 1,631,070; May 31.
Coating materials having an iron or steel base. L. A. Wynd and J. L. Schueler. 1,630,507; May 31.
Coffee-urn apparatus. H. L. Reckard. 1,630,904; May 31.
Coil-spreading machine. S. H. Browning. 1,631,084; May 31.
Coils, Method and apparatus for making edge-wound. G. H. Whittingham. 1,630,912; May 31.
Coin-controlled machines, Slug detector for. F. Hedley and J. S. Doyle. 1,630,427; May 31.
Coin-controlled vending machine. D. Lazar and H. A. Drew. 1,630,430; May 31.
Color combinations, Determining. H. H. Adler. 1,630,247; May 31.
Combustion machines, Coupling device for blowers of. F. Porsche. 1,630,654; May 31.
Compressor. D. G. Murray. 1,630,799; May 31.
Concrete building unit. T. J. Florey. 1,630,698; May 31.
Concrete-mold form. W. E. Keller. 1,630,794; May 31.
Concrete structures, Building form for. G. L. Hagy. 1,631,029; May 31.
Concrete units, Molding faced. W. R. Tucker. 1,630,590; May 31.
Condensation product. H. C. P. Weber. 1,630,365; May 31.
Condenser, Variable. J. R. Barnhart. 1,630,885; May 31.
Cooling apparatus for, Congealable substances. O. C. Schmidt. 1,630,864; May 31.
Connecter. H. R. Meyer. 1,630,401; May 31.
Connecting two members which are not adapted to be welded together. F. Mossberg. 1,630,668; May 31.
Construction material, Corner formation in metal-sheathed. G. R. Meyercord. 1,630,858; May 31.
Contact brush and making same. W. M. Austin. 1,630,460; May 31.
Container. C. J. Aulbach. 1,630,687; May 31.
Control apparatus, Process-. E. B. Foote. 1,630,294; May 31.
Controller. K. Berger. 1,630,516; May 31.
Conveyer, Ball. B. Lanza. 1,630,345; May 31.
Conveyer, Overhead. R. A. McCurry. 1,630,959; May 31.
Cooking device. F. H. Smith. 1,630,676; May 31.
Cooking utensil. C. F. Cullen. 1,630,787; May 31.
Cooking utensil. H. M. Schwab. 1,630,806; May 31.
Core for molds. H. C. Pfeil. 1,630,357; May 31.
Cores, Producing coated. J. L. Ray. 1,630,451; May 31.
Corner-bead erector. J. J. Berscheid. 1,630,601; May 31.
Cotton chopper. O. S. Hellums. 1,631,032; May 31.
Cotton-distributing mechanism. R. S. Curley. 1,630,375; May 31.
Coupling: *See*—
Hose coupling.
Coupling. W. B. Flanders. 1,630,737; May 31.
Cranes, Propelling mechanism for. E. G. Deucher. 1,630,377; May 31.
Crib, Folding. M. M. Hood. 1,630,941; May 31.
Crushing disk. E. B. Symons. 1,630,502; May 31.
Cultivator. J. D. Wright. 1,630,996; May 31.
Cultivator, Riding. S. H. Tiusman. 1,630,772; May 31.
Cultivator shield. E. E. Blume and C. Anderson. 1,630,415; May 31.
Cultivator tooth and sweep, Combined. P. Simons. 1,630,585; May 31.
Cup: *See*—
Oil cup.
Curling iron. E. A. Rutenber. 1,630,766; May 31.
Current motor, Alternating. K. Krauss. 1,630,890; May 31.
Current-theft indicator. O. Fiener. 1,631,025; May 31.
Curtain and awning rollers, Control for. H. Smith. 1,630,770; May 31.
Curtain and drape fixture. H. Tielkemeyer. 1,630,549; May 31.
Curtain fixture. J. H. Boye. 1,630,778; May 31.
Cutlery. H. E. Miller. 1,630,627; May 31.
Cut-out. M. J. Sandin. 1,630,358; May 31.
Cylinder grinder, Internal. L. D. and R. M. Warwick and G. H. McKay. 1,630,353; May 31.
Cylinders, Breaking device for hollow. W. S. Pierce, jr. 1,630,759; May 31.
Damper device, Furnace. J. Vrba. 1,630,591; May 31.
Dash and trouble light. A. L. Halin. 1,630,848; May 31.
Dental cotton holder. R. J. Berkinshaw. 1,630,729; May 31.
Detector. E. J. Haverstick. 1,630,383; May 31.
Diaphragm for light pressure, Sensitive. J. Ely. 1,630,292; May 31.
Diaphragm, Pressure-responsive. H. Y. Norwood. 1,630,306; May 31.
Dies, Apparatus for treating. H. P. Arkema. 1,630,775; May 31.
Dish, Covered. E. Magnussen. Des. 72,775; May 31.
Dishwasher. C. M. Macon. 1,631,045; May 31.
Dishwashing machine. C. L. Woodward. 1,630,684; May 31.
Disk wheel. G. H. Forsyth. 1,630,740; May 31.
Display box. H. L. Baker. 1,631,080; May 31.
Display device. H. D. Andrews. 1,630,917; May 31.
Display device. J. P. Hohmann. 1,630,744; May 31.
Display stand. C. F. Strunck. 1,630,870; May 31.
Ditch gate. P. Roots. 1,630,407; May 31.
Divider, Combination. A. Van Gale. 1,630,773; May 31.
Doll. W. Berndt. Des. 72,749; May 31.
Doll. E. H. Ufford. Des. 72,782; May 31.
Door, Grain-car. C. I. Twedt and M. Hegg. 1,630,680; May 31.
Door-window finish-strip assembly. W. Marshall. 1,630,534; May 31.
Doors, Draft and rain excluder attachment for. R. Basham. 1,630,821; May 31.
Double-decking device. W. W. Blakely. 1,630,520; May 31.
Drain device, Automatic. A. L. Mitchell. 1,630,628; May 31.
Dress, Reversible. B. H. Dryer. 1,630,838; May 31.
Drill-assembling unit. E. J. Bowman and J. S. Myhre. 1,630,825; May 31.
Drill mechanism. J. W. Doyle. 1,630,528; May 31.
Drip sheet. T. M. Taylor. 1,630,639; May 31.
Driving wheel. A. Beyer. 1,630,886; May 31.

Drum-supporting device. W. D. Gladstone. 1,630,701; May 31.
Dry-cleaning system, Caustic tank for. M. M. and S. S. Schwab. 1,630,673; May 31.
Drying. F. Grewin. 1,631,026; May 31.
Drying apparatus. M. E. Bussler. 1,630,652; May 31.
Drying machine, multiple-cylinder. G. Dod. 1,630,331; May 31.
Duplicating apparatus. E. Lichtenstein. 1,630,395; May 31.
Dye composition. J. M. Matthews. 1,630,624; May 31.
Dye, Sulphur black. O. Zeller and C. Waldman. 1,630,818; May 31.
Eaves-trough hanger. C. G. Inman. 1,630,746; May 31.
Edging machine. W. A. Gunning. 1,630,264; May 31.
Educational appliance. J. J. R. Guichard. 1,630,939; May 31.
Egg container. N. B. Parrish. 1,631,055; May 31.
Egg product and making same. C. H. Parsons. 1,630,756; May 31.
Electric butt-seam welding and apparatus therefor. F. L. Sessions. 1,630,866; May 31.
Electric-circuit-controlling apparatus. S. G. Fisher. 1,631,024; May 31.
Electric fitting. C. E. Godley. 1,630,936; May 31.
Electric heater. H. A. Ziola. 1,630,649; May 31.
Electric switch. W. A. Coates, G. E. Gittins, and D. R. Davies. 1,630,372; May 31.
Electric switch. G. Mann. 1,630,434; May 31.
Electric switch. G. F. Scott. 1,630,359; May 31.
Electric wires, Apparatus for the manufacture of. H. B. Burley. 1,630,922; May 31.
Electrical apparatus. T. W. Case. 1,631,085; May 31.
Electrical indicating instrument. J. R. Barnhart. 1,630,884; May 31.
Electrical measuring instrument. E. F. Weston. 1,630,592; May 31.
Electrical regulating apparatus. E. J. Blake. 1,630,823; May 31.
Electrical transmission device. A. Michoud. 1,630,900; May 31.
Electrically-operated burners, Control mechanism for. J. C. Johnson. 1,631,099; May 31.
Electrodes, Apparatus for removing dust from precipitator. G. B. Forbes. 1,630,482; May 31.
Electrolytically-deposited iron, Heat treatment of. N. B. Pilling. 1,630,449; May 31.
Electromagnetic switch. D. M. Bliss. 1,630,650; May 31.
Electron-discharge device. W. G. Houskeeper. 1,630,431; May 31.
Elevator: *See*—
Sucker-rod elevator.
Engine: *See*—
Fluid-actuated engine. Two-cycle engine.
Internal-combustion engine.
Engine and safety system, Door-operating. G. W. Meyers. 1,630,667; May 31.
Engines, Attachment for gas. W. H. Alleman. 1,630,286; May 31.
Engines, Combined automatic and manual control for drilling. C. H. Sheasley and E. H. Crossen. 1,630,637; May 31.
Engines, Driving of rotary blowers or pumps for use on internal-combustion. F. R. Smith and S. M. Vlale. 1,630,544; May 31.
Engines, Fuel distributor for internal-combustion. A. G. Lundstrom. 1,630,057; May 31.
Engines, Fuel-feed apparatus for internal-combustion. B. H. Savage. 1,630,971; May 31.
Engines, Lubricating arrangement for the cylinders of two-stroke-cycle. E. H. Tartrais. 1,630,547; May 31.
Engines, Oil-purifying apparatus for hydrocarbon. J. A. Watson. 1,630,876; May 31.
Engines, Safety starting crank for internal-combustion. A. E. Babcock. 1,630,595; May 31.
Engines, Thermostatic heat control for internal-combustion. R. P. Wright. 1,630,728; May 31.
Envelope. C. Biedermann. 1,630,465; May 31.
Esters from aldehydes, Making. C. O. Young. 1,630,593; May 31.
Expanding air, Utilizing. J. W. Doyle. 1,630,835; May 31.
Explosive cartridges, Dipping container for. W. H. Marshall, R. J. Killgore, and L. E. Bedortha. 1,630,496; May 31.
Explosive, Nitroglucoside. R. C. Moran. 1,630,577–8; May 31.
Extractor: *See*—
Valve-core extractor.
Eyeglass and spectacle frame. E. R. Durgin. 1,630,258; May 31.
Eye model. L. R. Ingersoll. 1,630,944; May 31.
Eye-testing cabinet. E. D. Tillyer. 1,630,281; May 31.
Fan. H. Marui. 1,630,397; May 31.
Faucet, Mixing. W. A. England. 1,630,695; May 31.
Feeder. B. E. Stone. 1,630,982; May 31.
Feeder, Rotary. R. J. Waterworth. 1,630,552; May 31.
Feeding device, Poultry-. C. E. Cloward, jr. 1,630,831; May 31.
Fence guard. G. Lotz. 1,630,441; May 31.
Fender: *See*—
Automobile safety fender.
Ferric oxide, Manufacture of. D. G. Zalocostas. 1,630,881; May 31.
Fertilizer in soluble condition, Distributing. G. C. C. Schrader. 1,630,768; May 31.
Field winding. L. M. Perkins. 1,630,757; May 31.
Filler openings, Closure for. A. W. Oswald. 1,631,106; May 31.
Filling machine. H. Melum and G. P. Berger. 1,630,960; May 31.
Filter. S. S. Amdursky. 1,630,287; May 31.
Filter. D. F. Fesler. 1,630,480; May 31.
Filter, Oil. R. A. Walker. 1,630,504; May 31.
Filter, Water. R. A. North. 1,630,274; May 31.
Filtration system. H. W. Blaisdell. 1,630,371; May 31.
Finger ring. S. Grossman. Des. 72,766; May 31.
Finger ring. S. Skaletzky. Des. 72,781; May 31.
Fire alarm. J. G. Tremain. 1,630,550; May 31.
Firearm. G. Nicholson. 1,630,404; May 31.
Fire-extinguishing and like apparatus. E. J. Bechard 1,630,251; May 31.
Fishing reel. J. Brislin. 1,630,779; May 31.
Flange-pin remover. A. M. Hughes. 1,630,942; May 31.
Flange-way guard, Troughless skeleton. H. P. Blum. 1,630,325; May 31.
Flexible material, Method and apparatus for embossing. P. C. McNulty. 1,630,754; May 31.
Floor-surfacing machines, Handle for. R. E. Lewis. 1,630,854; May 31.
Flow box, Sight. E. B. Ford. 1 630,335; May 31.
Fluid-actuated engine. H. Levine. 1,630,953; May 31.
Fluid, Apparatus for effecting and regulating a flow of. U. O. Hutton. 1,630,943; May 31.
Fluid-feeding apparatus, Pressure-controlled. C. H. Chalmers. 1,630,609; May 31.
Fluid separator. G. M. Kirkpatrick. 1,630,748; May 31.
Flying machines, Ascertaining the flying height of. A. Behm. 1,630,689; May 31.
Folding machines, Pressing device for. W. F. Lautenschlager. 1,631,040; May 31.
Food and beverage products, Sterilizing. I. Jarson. 1,630,661; May 31.
Food product and making the same. C. Feldhusen. 1,631,023; May 31.
Foot control. G. R. Powell. 1,630,760; May 31.
Force-feed lubricator. J. W. Woodruff. 1,630,321; May 31.
Forking machine. N. T. McKee. 1,630,399; May 31.
Frame: *See*—
Locomotive frame. Tube frame.
Freight-handling apparatus. B. F. Fitch. 1,630,736; May 31.
Fruit, Preserving or canning. S. L. Crawford. 1,631,017; May 31.
Frying apparatus. A. R. Pitman. 1,630,309; May 31.
Fuel atomizer. W. Stevenson. 1,630,410; May 31.
Fuel burning, Method and apparatus for. H. Adams. 1,630,509; May 31.
Fuel, Manufacture of agglomerated. L. Llais. 1,630,662; May 31.
Fuel, Method and apparatus for burning. D. S. Jacobus. 1,630,387; May 31.
Fumigant, Container for dissipating a. W. A. Drushel. 1,630,837; May 31.
Fur, Carroting. J. H. Martin. 1,630,663; May 31.
Fur for shrinking and felting, Preparation of. J. H. Martin. 1,630,664; May 31.
Furnace: *See*—
Annealing or heating furnace.
Furnace regulation. C. H. Smoot. 1,630,977; May 31.
Furnaces, Pouring device for glass. A. H. Carpenter and P. C. Huntley. 1,630,829; May 31.
Furnaces, Registor mounting for electric. J. C. Woodson. 1,630,368; May 31.
Furnaces, Tank block for glass. J. L. Crawford. 1,630,892; May 31.
Furniture. F. Bowman and E. Ellis. 1,631,002; May 31.
Furniture brace. S. G. Bolin. 1,630,521; May 31.
Galvanizing apparatus. L. A. Wynd and J. L. Schueler. 1,630,508; May 31.
Game. C. H. Clark. 1,631,009; May 31.
Game apparatus. H. Steinmetz. 1,630,869; May 31.
Game apparatus. E. H. Waterman. 1,630,646; May 31.
Garage. R. W. Seymour. 1,631,068; May 31.
Garage. W. F. Watson. 1,630,553; May 31.
Gas burner. A. R. Wilson. 1,630,878; May 31.
Gas heater. J. R. King. Des. 72,770; May 31.
Gas holder. A. H. T. Williams. 1,630,647; May 31.
Gas, Making carbureted water. A. C. Klein. 1,630,300–1; May 31.
Gas, Making carbureted water. A. E. Shippel. 1,630,316; May 31.
Gas meter. G. K. V. Johanson. Re16,642; May 31.
Gas-pressure regulator. H. Rosenthal. 1,630,408; May 31.
Gate: *See*—
Ash gate. Ditch gate.
Gate. A. D. Kaiser. 1,630,704; May 31.
Gauge: *See*—
Liquid-level gauge. Water gauge.
Gauge. J. P. Bosle and A. Telfer. 1,630,690; May 31.
Gauging device, Combination. M. M. Johnson. 1,630,299; May 31.
Gear, Double-reduction. K. Baumann. 1,630,599; May 31.

Gears, Apparatus for finishing high-grade. W. E. Hoke. 1,630,845; May 31.
Generator: *See*—
Power generator. Steam generator.
Geological specimens in bore holes, Apparatus for orienting. A. F. Dixon. 1,630,694; May 31.
Glare eliminator. R. E. Eaves and W. C. Keen. 1,631,022; May 31.
Glass-drawing apparatus. R. D. Hurley and B. H. Patton. 1,631,097; May 31.
Glass jar. W. V. Johnston. Des. 72,771; May 31.
Glass-plate fastener. W. La Hodny and F. X. Kibitz. 1,631,038; May 31.
Glass through a discharge aperture, Apparatus for controlling the flow of molten. C. H. Rankin. 1,631,061; May 31.
Glow-discharge transmitters, Electrode holder for. P. Thomas. 1,630,454; May 31.
Golf-club shaft. J. F. Babbitt. 1,630,249; May 31.
Golf tee. G. N. Bolinger. 1,630,288; May 31.
Grab. W. G. Wehr. 1,630,456; May 31.
Grain-elevator garners, Dust-collecting system for. T. D. Budd and W. R. Sinks. 1,630,780; May 31.
Grain or the like, Apparatus for drying, curing, ventilating, or otherwise treating. A. J. S. and L. J. D. Pazzi and A. P. Ordoñez. 1,630,308; May 31.
Grease dispenser, Pressure-operated. E. E. Lynch. 1,630,899; May 31.
Grinding gun barrels, Apparatus for. J. L. Young. 1,630,686; May 31.
Grinding surfaces, Method and apparatus for. J. L. Young. 1,630,685; May 31.
Guanidines, Making disubstituted. W. Scott. 1,630,769; May 31.
Gum, Chewing. P. H. Raymer. 1,630,763; May 31.
Gun unit, Machine-. T. M. Jervey. 1,630,532; May 31.
Gutter hanger. C. A. Meunier. 1,630,961; May 31.
Gutter-hanger circle. G. B. Geiser. 1,630,935; May 31.
Gutter-hanger circles, Support for. G. B. Geiser. 1,630,934; May 31.
Guy and guard, Combination. G. W. Perks. 1,630,356; May 31.
Hair-curling device. P. M. Beard. 1,630,560; May 31.
Hair, Waving of. W. and H. McDonald. 1,630,396; May 31.
Hand and forearm, Mechanical detachable. J. Smith. 1,630,277; May 31.
Hand support for use in horizontal exercises. H. J. Bradstreet. 1,630,467; May 31.
Hanger: *See*—
Eaves-trough hanger. Gutter hanger.
Harvester, Ensilage. A. M. Boxrud. 1,630,603; May 31.
Hat block, Adjustable. A. and A. C. Ryder. 1,630,803; May 31.
Headlight, Automobile. O. Nelson. 1,630,860; May 31.
Headlight dimmer, Variable. W. Laventure. 1,630,021; May 31.
Headlight-dimming mechanism. G. F. Phillips and T. H. Torian. 1,631,057; May 31.
Heat-branding machine. A. Van Veen and G. F. Matteson. 1,630,282; May 31.
Heat-transfer system for aircraft. H. F. Parker. Re16,644; May 31.
Heat-transmission system, Liquid. D. M. Luebrs. 1,630,956; May 31.
Heater: *See*—
Electric heater. Water heater.
Heater. S. F. Jackes. Des. 72,768; May 31.
Heater. M. R. Lehman. Des. 72,773; May 31.
Heating systems, Control mechanism for water-. W. J. Griffiths. 1,630,741; May 31.
Heel-finishing machine. A. B. Fowler. 1,630,564; May 31.
Heel machine. A. B. Fowler. 1,630,561; May 31.
Heel machine. A. B. Fowler. 1,630,565; May 31.
Heel-treating-tool support. A. B. Fowler. 1,630,563; May 31.
Hexamethylenetetramine and ammonium chloride, Process and apparatus for producing. C. B. Carter. 1,630,782; May 31.
High-pressure lubricator. R. M. Ferrell. 1,630,735; May 31.
Hinge-making machine. W. G. Aldeen. 1,630,883; May 31.
Hinges, Device for facilitating the marking of door jambs for. G. Hobbiaiefken. 1,630,429; May 31.
Hoppers, Fastening seed distributors to metal. H. D. Jones. 1,630,850; May 31.
Hose coupling. W. K. Herbst. 1,630,895; May 31.
Hot-water tanks, Clothes-drier attachment for. D. H. Noyes. 1,630,965; May 31.
Hull and cotton separator and cleaner. J. A. Streun. 1,630,638; May 31.
Hydraulic brake. R. E. McCleary. 1,630,710; May 31.
Hydraulic press. W. B. Kochenderfer. 1,631,037; May 31.
Hydrocarbons, Burner for heavy. E. R. Wolcott. 1,630,556; May 31.
Hydrocraft. A. Ludasy. 1,630,623; May 31.
Ignition control, Electrically-operated. J. P. Nikonow. 1,630,629; May 31.
Implement for effecting the relative movement of two elements. W. V. Gilbert. 1,631,110; May 31.
Implement for marking objects. H. W. Hacker. 1,630,659; May 31.
Incinerator. T. H. Ledden. 1,630,393; May 31.
Inclosure, Concealed. C. B. Ricken. 1,630,906; May 31.
Index device, Card-. A. G. Wuest. 1,630,322; May 31.
Indicating instrument. C. B. Carson. 1,630,291; May 31.
Insecticide. C. A. and S. D. Wilkins. 1,630,506; May 31.
Indicator: *See*—
Current-theft indicator. Vehicle direction indicator.
Speed indicator.
Inductance-coil attachment. H. B. Pearson. 1,630,903; May 31.
Ingot molds, Shrink-head casing for. E. Gathmann. 1,630,612; May 31.
Ink eradicator. T. W. Cappon. 1,630,329; May 31.
Insecticide. W. A. Drushel. 1,630,836; May 31.
Insecticide. C. A. and S. D. Wilkins. 1,630,506; May 31.
Insulating paper containing phenol resins, Production of. C. A. Haanen. 1,630,424; May 31.
Insulators, Method of and apparatus for forming. K. C. Randall. 1,630,762; May 31.
Internal-combustion engine. E. B. Cushman. 1,630,527; May 31.
Internal-combustion engine. C. Reineke. 1,630,311; May 31.
Iron: *See*—
Curling iron. Soldering iron.
Ironing boards, Garment tray for. J. R. Clover. 1,630,925; May 31.
Ironing pad. C. E. Hamilton. 1,630,894; May 31.
Jack: *See*—
Automobile jack. Window jack.
Joint: *See*—
Metal joint. Universal joint.
Railway-track joint.
Key case. W. R. Buxton. 1,630,653; May 31.
Kiln and other heat-treatment furnace. C. W. Speirs. 1,630,587; May 31.
Kiln construction, Shaft-. S. W. Jameson. 1,630,489; May 31.
Knickers. M. J. Rosenberg. 1,631,064; May 31.
Knife for use in flaying cattle and like purposes. R. H. Tasker. 1,630,871; May 31.
Knife, Plugging. R. Garland. 1,630,420; May 31.
Knob. A. F. Kipper. Des. 72,772; May 31.
Lacework, Pattern for producing. J. H. Wachter. 1,630,681; May 31.
Ladder-climbing device. G. E. Fritts. 1,630,484; May 31.
Lamp arm or similar article, Bridge-. J. A. Boehringer. Des. 72,757; May 31.
Lamp casing, Automobile signal-. T. Lonet. Des. 72,774; May 31.
Lamp socket, Electric-. D. N. Thompson. 1,630,679; May 31.
Last lathe. C. P. Morton. 1,630,304; May 31.
Latch. R. G. Moore. 1,630,270; May 31.
Latch, Door. P. Frantz. 1,630,379; May 31.
Latching fixture, Swing-sash. G. G. Wiley. 1,630,913; May 31.
Latex and product thereof, Treating. W. B. Wescott. 1,630,411; May 31.
Lathe. G. W. Duchemin. 1,630,333; May 31.
Laundry and other machines, Pad for. W. A. Zeidler. 1,630,459; May 31.
Leaf turner. L. Boyd. 1,630,290; May 31.
Leaks, Composition for stopping. W. L. Campbell. 1,630,828; May 31.
Lenses, Apparatus and process for producing ophthalmic. E. D. Tillyer. 1,630,724; May 31.
Lenses, Machine for grinding. L. W. Bugbee. 1,630,253; May 31.
Lenses, Producing monocentric fused bifocal. M. A. Laabs. 1,630,706; May 31.
License-plate holder. I. J. Davis. 1,630,658; May 31.
Lifeboat securing and releasing mechanism. G. W. P. Overman. 1,631,053; May 31.
Life-saving apparatus. M. C. Steese. 1,630,501; May 31.
Life-saving device. E. Karikas. 1,630,948; May 31.
Lighting-fixture plate. L. A. Crumley. Des. 72,762; May 31.
Lighting fixture, Spreader for a. J. A. Boehringer. Des. 72,755; May 31.
Lighting fixtures, Arm for. L. A. Crumley. Des. 72,761; May 31.
Lighting fixtures, Pendant for. J. A. Boehringer. Des. 72,758; May 31.
Lighting fixtures, Suspending device for. P. M. Hotchkin. 1,630,745; May 31.
Line reel and pin. W. G. Elder. 1,630,475; May 31.
Lining water courses and lining therefor. H. H. Fisher and W. B. Rittenhouse. 1,630,839; May 31.
Link coupler. G. W. Graser. 1,630,486; May 31.
Liquid-feeding device. G. W. Lelman. 1,630,751; May 31.
Liquid-level gauge. G. F. Falk. 1,630,611; May 31.
Liquids, Apparatus for measuring and distributing. M. Bouffart. 1,630,289; May 31.
Liquids from containers at predetermined conditions of temperature, Automatic means for running off. G. G. Royer. 1,630,907; May 31.
Lithopone, Drying and calcining. W. G. Graves. 1,630,613; May 31.
Lithopone, Method and apparatus for quenching. A. S. Krebs. 1,630,267; May 31.
Loader. H. H. Barber. 1,630,598; May 31.
Lock: *See*—
Stovepipe lock.

Locking-device control. E. L. Grauel. 1,630,263; May 31.
Locomotive frame. J. E. Muhlfeld. 1,630,901; May 31.
Locomotive, Tractor. A. E. Fellers. 1,630,930; May 31.
Loom shuttle. G. H. Willard. 1,630,817; May 31.
Looms, Automatically-threading shuttle for. H. A. Davis. 1,631,089–90; May 31.
Looms, Drag roll and clearing plate for. H. A. Davis. 1,631,088; May 31.
Looms for weaving, Take-up motion for. J. H. Hindle and T. Hindle. 1,630,428; May 31.
Looms, Shuttle-changing device for. F. Aninger. 1,630,918; May 31.
Looms, Starting and stopping mechanism for. W. Seville. 1,631,067; May 31.
Loop-winding machine. S. H. Browning. 1,631,083; May 31.
Loud speaker. C. L. Farrand and B. Ross. 1,630,734; May 31.
Loud-speaker unit. C. R. Hanna. 1,630,380; May 31.
Lubricant-dispensing device. E. J. Holst. 1,630,846; May 31.
Lubricating device. E. Gass. 1,630,700; May 31.
Lubricator: *See*—
Force-feed lubricator. High-pressure lubricator.
Lubricator. J. J. Hennessy. 1,630,743; May 31.
Machine dies, Adjustable handle for. T. F. Tyler. 1,630,988; May 31.
Machine tool. S. A. Cogsdill. 1,630,526; May 31.
Magneto. R. Varley. 1,630,645; May 31.
Make-and-break contactor, Automatic. H. W. Protzeller. 1,630,580; May 31.
Manholes, Cover for. W. J. Woodrow. 1,630,557; May 31.
Mantel, Ornamental. E. C. Weissinger. 1,630,910; May 31.
Manways, Combined cover-holding-down and pressure-relief device for. A. Sage. 1,630,672; May 31.
Marking machine. F. A. Putnam. 1,631,060; May 31.
Marking materials, Method and mechanism for. H. B. Mowry. 1,630,271; May 31.
Massage machine. J. L. Wentz. 1,630,911; May 31.
Massage machine, Electric. B. F. Jancke. 1,630,435; May 31.
Match holder. R. T. Manning. Des. 72,776; May 31.
Material-handling equipment. M. R. Butler. 1,630,605; May 31.
Mattress retainer. M. C. Barber. 1,630,462; May 31.
Measuring and indicating the flow of gases, Apparatus for. H. Y. Norwood and K. L. Tate. 1,630,307; May 31.
Measuring canister. B. J. Gunderson. 1,631,028; May 31.
Measuring instrument, Electrical. W. M. Scott and R. E. Tresise. 1,630,908; May 31.
Measuring instrument of the type employing a control motor, Electrical. B. Usigli. 1,630,989; May 31.
Measuring the flow of gases, Apparatus for. K. L. Tate. 1,630,318; May 31.
Metal articles, Wrought. W. H. Bassett, jr. 1,630,999; May 31.
Metal joint. J. F. Gail. 1,630,338; May 31.
Metal screen. D. D. Pinkham. 1,630,450; May 31.
Metals, Apparatus for reclaiming. T. D. Stay and C. O. Tessler. 1,630,361; May 31.
Meter: *See*—
Gas meter.
Meters, Connecter and support for. E. P. Bartholomay. 1,630,323; May 31.
Mill: *See*—
Ball mill.
Mine-track tie. E. G. Holst. 1,631,034; May 31.
Mining-machine skid. E. J. Doberstein. 1,630,472; May 31.
Mining machines, Cutting apparatus for. J. Cameron. 1,630,255; May 31.
Mining of minerals, Supporting roof strata during the. W. P. Taber. 1,630,589; May 31.
Modulation system. L. Kühn. 1,630,391; May 31.
Mold form. W. E. Keller. 1,630,796; May 31.
Molten glass, Feeding. K. E. Peller. 1,631,107; May 31.
Mop holder. U. J. and A. F. Ewing. 1,630,418; May 31.
Motor: *See*—
Cam motor. Toy motor.
Current motor.
Motors, Control circuits for. R. W. Davenport. 1,630,731; May 31.
Motors, Speed governor for electric. R. Lee. 1,630,394; May 31.
Motors, Starting switch for single phase. R. C. Leake. 1,631,102; May 31.
Mowing-machine tongue support. T. A. George. 1,630,421; May 31.
Mirror bracket, Adustable. V. Bourdon. 1,630,777; May 31.
Mirror, Stand. L. M. Andrews. Des. 72,748; May 31.
Mixer: *See*—
Plaster mixer.
Mixing apparatus. H. Prillwitz. 1,630,406; May 31.
Nail, screw nail, and the like. E. Lytton. 1,631,044; May 31.
Negative-making device. A. G. Ogden. 1,630,539; May 31.
Nipper. W. A. Berry. 1,630,518; May 31.
Nozzle for atomizers. J. Stirlss. 1,630,278; May 31.
Nozzle, Spray. O. W. Shelor and E. G. Butts. 1,630,974; May 31.
Nut lock and the like. J. L. Mauch. 1,630,958; May 31.
Oil burners, Oil-feed control for. A. P. Holden, P. Morgan, and S. R. Williams. 1,630,295; May 31.
Oil cup. J. S. Snow, sr. 1,631,072; May 31.
Oil-feed construction. C. H. Wills. 1,630,554; May 31.
Oil tank. W. M. Nichols. 1,631,051; May 31.
Ophthalmic blanks, Making. F. Fraser. 1,630,262; May 31.
Ophthalmic mounting. H. A. Sangren. 1,630,276; May 31.
Optical system for projection apparatus. R. M. Hill. 1,630,616; May 31.
Orchards and apparatus therefor, Heating. W. C. Scheu. 1,630,452; May 31.
Ore bodies, Apparatus for breaking down. W. B. Clifford. 1,630,470; May 31.
Organic origin, Preparing products of. H. L. P. Tival. 1,630,985; May 31.
Package. C. E. Miller. 1,631,048; May 31.
Package, Confection. A. Sweet. 1,630,984; May 31.
Package wrapping. M. Schulz. 1,630,542; May 31.
Packing device. W. A. Breckon. 1,631,004; May 31.
Packing, Joint. P. S. Sinclair. 1,630,675; May 31.
Pad: *See*—
Ironing pad.
Paper-creping apparatus. K. Wandel. 1,630,320; May 31.
Paper package and forming it. D. C. Hurlbut. 1,630,343; May 31.
Paper rolls, Box for. N. Marcalus. 1,630,495; May 31.
Pastry-cream filling device. C. Cieslak. 1,630,924; May 31.
Pen for recording instruments. H. W. Heesch. 1,630,297; May 31.
Pens, Clip and pencil for fountain. R. G. Antonio. 1,630,413; May 31.
Perforating machines, Gauge for. W. F. Lautenschlager. 1,631,041; May 31.
Phonograph reproducer, Electric. A. A. Thomas. 1,630,640; May 31.
Phonograph reproducer, Electric. A. A. Thomas. 1,630,643; May 31.
Phonographs, Governor for. S. Nishida. 1,630,630; May 31.
Photography, Apparatus for multiplex. H. Piloty. 1,631,058; May 31.
Pin-locking means. L. J. Brown. 1,630,523; May 31.
Pins from sweepings, Device for separating. C. Wildhaber. 1,630,366; May 31.
Pipe carrier. W. F. Bossert. 1,631,000; May 31.
Pipe for smoking tobacco. C. F. Corbett. 1,630,832; May 31.
Pipe slip. W. D. Davidson. 1,630,732; May 31.
Pipes, Insulating section for. M. V. Croker. 1,630,657; May 31.
Piston. C. Sorenson. 1,631,073; May 31.
Piston, wrist pin, and connecting-rod aligning jig. H. A. Erickson. 1,630,476; May 31.
Plait press, Conveyer. J. C. Ledbetter. 1,630,392; May 31.
Planing machines and the like, Guard for. A. J. Retz. 1,630,671; May 31.
Plaster mixer. N. Essick. 1,630,789; May 31.
Plaster-mixing device. N. Essick. 1,630,790; May 31.
Plate. O. W. Dennis. Des. 72,763; May 31.
Plate-rolling mills, Installation for handling and shearing metal plates from. J. R. Lamberton. 1,630,620; May 31.
Plow, Rotary. A. G. Stapel. 1,631,075; May 31.
Plow stock. E. M. Chappell. 1,631,008; May 31.
Plow support. M. Yakubowski. 1,630,997; May 31.
Plug, Attachment. W. Herskovitz. 1,630,896; May 31.
Plug, Wash. J. H. McEvoy, jr. 1,630,666; May 31.
Plug, Washout. O. L. Prime. 1,630,761; May 31.
Plumbing fixtures, Valve for. J. N. Mortimer. 1,630,351; May 31.
Ply-metal panel and wall constructed of the same. G. R. Meyercord. 1,630,857; May 31.
Pocket receptacle, Flexible. W. R. Buxton. 1,630,654; May 31.
Poles, Step for. L. B. Fish. 1,630,293; May 31.
Post. D. R. Scholes. 1,630,804; May 31.
Poultry catcher. J. D. Jefferson. 1,630,946; May 31.
Powder container, Face-. J. H. Kjellstrom. 1,630,437; May 31.
Power generator. W. M. Smith. 1,631,069; May 31.
Power mechanism. G. N. Simpson. 1,630,809–10; May 31.
Power presses, Clutch-operating mechanism for. E. W. Zeh. 1,630,882; May 31.
Press: *See*—
Hydraulic press. Printing press.
Plait press.
Printing press. J. R. Blaine. 1,630,252; May 31.
Printing press. V. L. Reeve. 1,630,905; May 31.
Printing press. J. G. Schick. 1,630,583; May 31.
Pulleys, Belt shifter for stepped. M. J. Fleming. 1,630,931; May 31.
Pulp, Improving the color of. F. G. Rawling. 1,630,635; May 31.
Pump. T. D. Cleage, W. S. Smith, and J. R. Murray. 1,630,256; May 31.
Pump, Pneumatic-tire. E. R. Carson. 1,630,923; May 31.

Pump, Thermostatic. J. Fentress. 1,630,479; May 31.
Pumps, Regulator system for condenser circulating. H. F. Schmidt. 1,630,767; May 31.
Pumping system. W. C. Parrish. 1,630,902; May 31.
Push-through switch. W. Ile. 1,630,438; May 31.
Pusher. W. R. Branham. 1,630,604; May 31.
Puzzle. R. Fryer. 1,630,530; May 31.
Pyjama trousers. G. M. Harsh. Re16,641; May 31.
Rack: *See*—
Seed rack.
Radiator. R. L. Kjerner. 1,630,749; May 31.
Radiator cover. K. Drlica. 1,630,529; May 31.
Radiator shield. D. H. Kink. 1,630,705; May 31.
Radiators, Hanger for wall. W. F. Bach. 1,630,919; May 31.
Radiators, Locking cap for. A. C. Lippert. 1,630,269; May 31.
Radiofrequency currents, Circuit system for. R. S. Miner. 1,630,859; May 31.
Radio interference eliminator. F. W. Stein. 1,630,980; May 31
Radio signaling apparatus. T. D. Parkin. 1,630,354; May 31.
Radiotransmitters, Arrangement for suppressing idle current in. A. Meissner. 1,630,349; May 31.
Radiotube. H. K. Huppert. 1,631,035; May 31.
Radio tuning instruments, Logging device for. E. H. Larson. 1,630,302; May 31.
Rail-tying device. S. W. Finch. 1,630,696–7; May 31.
Railway-signal system. J. L. Woodbridge. 1,630,727; May 31.
Railway-track joint. W. H. Schneider. 1,630,584; May 31.
Railway-traffic-controlling apparatus. L. F. Howard. 1,620,531; May 31.
Range, Rotary roasting. A. E. Troiel. 1,630,644; May 31.
Ratchet-operating device. H. A. Morris. 1,630,403; May 31.
Rayon fibers, Making hollow. W. O. Snelling. 1,631,071; May 31.
Reamer. F. F. Blanco. 1,630,602; May 31.
Reaming or boring tool. G. W. Benedict. 1,630,515; May 31.
Receptacle closure. H. T. Snyder. 1,630,360; May 31.
Receptacle filling and draining device. W. H. Scott. 1,630,543; May 31.
Receptacles, Door closure for rotatable. M. F. Beetham and R. H. Moore. 1,630,600; May 31.
Recorder: *See*—
Siphon recorder.
Recorder-pen-arm release. H. W. Heesch. 1,630,296; May 31.
Reel: *See*—
Fishing reel.
Reel. F. Mossberg. 1,630,670; May 31.
Refrigerator, Absorption. E. Wirth. 1,630,648; May 31.
Refrigerators, Guide for bottle. C. A. Frick. 1,631,091; May 31.
Regeneration, Mechanism and process for effecting. F. F. Ault. 1,630,512; May 31.
Register: *See*—
Autographic register. Cash register.
Regulating apparatus, Time-controlled. H. Y. Norwood. 1,630,305; May 31.
Regulator: *See*—
Automatic regulator. Gas-pressure regulator.
Resilient member. W. W. Doty. 1,630,893; May 31.
Resilient wheel. E. Schultz. 1,630,865; May 31.
Rheostat, Pressure. G. O. Wilms. 1,631,111; May 31.
Rim, Demountable. E. Reynolds. 1,630,636; May 31.
Road-planing device. C. O. Gillespie. 1,630,422; May 31.
Roasters, Rack for. R. E. Collins. 1,630,471; May 31.
Rolls, Arbor for drafting. J. R. Grubb. 1,630,842; May 31.
Rope. C. F. Cunningham. 1,631,086; May 31.
Rope, Mine-sweeping. J. F. Howe. 1,630,847; May 31.
Router bit. R. L. Carter. 1,630,830; May 31.
Safety device J. B. Monahan. 1,630,402; May 31.
Sample book. F. A. Harrison. 1,630,487; May 31.
Sandwich-display fixture. W. Cecil. 1,630,469; May 31.
Saw and wheel therefor, Band. J. W. Causey. 1,630,468; May 31.
Saws, Cutting disk for, High-speed friction. A. Jacobowitz. 1,630,945; May 31.
Scalp-treatment hot-water cap. R. Mauriell. 1,630,625; May 31.
Screen: *See*—
Metal screen.
Screw presses, Sieve plate for. K. Holler and O. Qviller. 1,630,430; May 31.
Seat: *See*—
Toilet seat.
Seed rack. E. A. Luther. 1,630,347; May 31.
Self-sealing trap. S. Opdyke. 1,630,861; May 31.
Semaphore signals, Snubbing circuits for. J. E. Stephenson. 1,630,981; May 31.
Separator: *See*—
Fluid separator.
Shade, Window. H. Ilgan. 1,630,344; May 31.
Sharpener, Safety-razor-blade. J. Vaughan. 1,630,551; May
Sheet [illegible] Lipsius. 1,630,707; May 31.
Sheet-metal plates, Joint for. H. N. Wylie and F. M. Green. 1,630,558; May 31.
Shipping case. J. W. Perks. 1,630,862; May 31.
Shock absorber. F. F. Landis. 1,631,039; May 31.
Shock absorber. F. A. Ruff. 1,630,275; May 31.
Shock absorber. S. K. Wellman. 1,631,077–8; May 31.
Shock absorber. T. H. Williams. 1,630,915; May 31.
Shock absorber for automobiles. S. K. Wellman. 1,631,079; May 31.
Shoe bottom. A. L. Murray. 1,630,445; May 31.
Shoe, Box-toe. J. J. Daly. 1,630,788; May 31.
Short-circuiting device W. J. Krause. 1,630,491; May 31.
Shuttle. L. Pavia. 1,630,355; May 31.
Sifter, Flour. P. J. Leonard and F. J. Connor. 1,630,853; May 31.
Sifter, Flour. T. O. Nall and E. J. Beauvais. 1,631,105; May 31.
Signal. H. L. Nihell. 1,630,405; May 31.
Signal. E. C. Pomeroy. 1,630,802; May 31.
Signal device. E. H. Pitney. 1,630,633; May 31.
Signal transmitter. F. Rizzo. 1,630,764; May 31.
Signaling device. G. H. Daugherty. 1,630,730; May 31.
Signaling system. F. A. Miller. 1,630,962; May 31.
Silk and its production, Weighted artificial. G. Rivat. 1,631,062; May 31.
Silk or the like, Manufacture of artificial. J. O. Zdanowich. 1,630,285; May 31.
Siphon recorder. E. Blakeney. 1,630,324; May 31.
Sleds, Braking device for. H. Ruzicka. 1,630,970; May 31.
Slotting-machine attachment. A. L. Brumbach. 1,630,328; May 31.
Slub catcher. L. B. Hasbrouck. 1,630,426; May 31.
Smoke and gas collector. J. W. Ebert. 1,630,927; May 31.
Snare drum. F. J. Bacon and D. L. Day. 1,630,461; May 31.
Snatch block. K. Berger. 1,630,517; May 31.
Socket, Electric connecting. F. W. C. Neuner. 1,630,272; May 31.
Soldering articles. E. Thoma. 1,630,771; May 31.
Soldering iron. P. H. Rogniey. 1,631,063; May 31.
Soldering iron. H. A. Wagg. 1,630,990; May 31.
Sound collecting and transmitting. C. K. Woodbridge. 1,630,367; May 31.
Sound reproducer. W. C. Brunow. 1,630,742; May 31.
Sound reproducer, Electric. A. A. Thomas. 1,630,641–2; May 31.
Spectacle temple. J. N. Nelson. 1,630,964; May 31.
Speed indicator. F. Mortensen. 1,630,963; May 31.
Spindle: *See*—
Textile spindle. Tool-driving spindle.
Spinning machines, Support and brake for bobbins for. H. Deppermann. 1,630,610; May 31.
Spiral-forming machine. R. C. Pierce. 1,630,716 May 31.
Sponge rubber. W. O. Snelling. 1,630,721; May 31.
Spool and making the same. S. R. Gleason. 1,630,791; May 31.
Spoon. S. V. James. Des. 72,769; May 31.
Spoon or similar article. G. N. Allen. Des. 72,747; May 31.
Spring: *See*—
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Spring compressor. D. C. Feather. 1,630,334; May 31.
Spring-pad construction. A. B. Clisson. 1,630,655; May 31.
Spring-pad construction. A. D. Maury. 1,630,665; May 31.
Sprocket wheel. C. Rorabeck. 1,630,313; May 31.
Stamping machine. J. P. Bochner. 1,630,824; May 31.
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Stapling tool. C. J. Westin. 1,630,877; May 31.
Steam generator. H. Swartz and P. C. Mulligan. 1,630,546; May 31.
Steel bar, Composite. P. J. Pauly. 1,630,631; May 31.
Steering wheels, Lock for. L. Stabile. 1,630,979; May 31.
Stepladder and chair, Combination. A. I. Johnson. 1,630,747; May 31.
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Stokers, Retort unit for. R. A. Foresman. 1,630,738; May 31.
Stop mechanism. S. Magnano. 1,630,708; May 31.
Stove, Gas. H. W. O'Dowd. 1,630,966; May 31.
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Stove, Oil. R. Hoffman. 1,630,386; May 31.
Stovepipe lock. F. X. Gries. 1,631,027; May 31.
Street-cleaning machine. A. Schroeder. 1,630,719; May 31.
Stretcher, Boot and shoe. C. Gregory. 1,630,295; May 31.
Striker plate, Adjustable. E. E. Lundberg. 1,630,533; May 31.
Stucco blocks and the like, Making gypsum. C. Payne. 1,630,579; May 31.
Stuffing box, Lubricating. W. L. McLaine and W. L. Borough. 1,630,444; May 31.
Sucker-rod elevator. S. McGregor. 1,630,537; May 31.
Sunshade, Vehicle. C. M. Stainbrook. 1,631,074; May 31.
Sweeper, Magnetic. F. L. Turner. 1,630,987; May 31.

Swimming tank, Exercising. J. Marwick. 1,630,797; May 31.
Switch: *See*—
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Switch. A. E. Bost. 1,631,001; May 31.
Switch. N. J. Conrad. 1,631,012; May 31.
Switch. T. C. Mahon. 1,630,709; May 31.
Switch. B. Palm. 1,631,054; May 31.
Switch. C. H. Williams. 1,630,458; May 31.
Switch and lightning arrester, Combined. H. J. Lewis. 1,630,954; May 31.
Switch mechanism. O. S. Jennings. 1,630,389; May 31.
Syringe and needle therefor, Hypodermic. S. J. Everett. 1,630,928; May 31.
Table: *See*—
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Tank: *See*—
Oil tank. Swimming tank.
Tanks, Gas-tight cable support for. S. H. Brooks. 1,630,826; May 31.
Tapping-machine chuck. A. Burge. 1,630,254; May 31.
Target device. G. Pisano. 1,630,717; May 31.
Tattoo marking instrument, Animal. M. W. Meek. 1,630,303; May 31.
Telegraph system. M. C. Hall. 1,630,340; May 31.
Telegraph system, Alternating-current. W. M. Bruce, jr. 1,630,827; May 31.
Telephone attachment. F. W. Hoban. Re16,645; May 31.
Telephone systems, Mechanically-interconnecting separate. R. L. Maurer. 1,630,536; May 31.
Temperature-control system. H. Milker. 1,630,755; May 31.
Temperature, Determining critical. G. F. Gerdts. 1,630,485; May 31.
Template, Subgrade. A. N. Walstad. 1,630,991; May 31.
Tennis racket. F. S. Williamson. 1,630,683; May 31.
Tension mechanism. J. Derry. 1,630,376; May 31.
Textile-coiling machine. E. O. Roe and L. P. Frieder. 1,630,718; May 31.
Textile fabric. L. Biva. Des. 72,750–3; May 31.
Textile fabric. J. H. Bunting. Des. 72,760; May 31.
Textile fabric M. Rothschild. Des. 72,779–80; May 31.
Textile fabric or similar article of manufacture. A. J. Heinke. Des. 72,767; May 31.
Textile materials, Conditioning. W. L. Conrad. 1,630,786; May 31.
Textile spindle. A. Meder. 1,630,712; May 31.
Thermal translating device. W. A. Rhodes. 1,630,312; May 31.
Thermionic indicating means responsive to light vibrations. J. J. Dowling. 1,631,021; May 31.
Thermometer. A. T. Hespe. 1,630,385; May 31.
Thermometer scale. E. V. Hill. 1,630,341; May 31.
Thermostat diaphragm. P. F. Dodunski. 1,630,733; May 31.
Thermostat switch. I. E. Smith. 1,630,586; May 31.
Threaded pins, Apparatus for producing. F. W. Hessmer. 1,630,793; May 31.
Tie: *See*—
Mine-track tie.
Tire, Pneumatic. H. Maul. 1,630,535; May 31.
Tire-repair vulcanizer. H. K. Wheelock. 1,630,815; May 31.
Tire, Resilient. H. Bonawitz. 1,630,776; May 31.
Tire, Resilient. C. S. Morse. 1,630,350; May 31.
Tire-wrapping machine. J. Derry. 1,630,834; May 31.
Toilet. E. G. Friedrich. 1,630,932; May 31.
Toilet accessory. W. Friedman. 1,630,566; May 31.
Toilet seat. A. J. Bruder. 1,630,524; May 31.
Tongs. W. L. Bessolo. 1,630,822; May 31.
Tool. W. Baier. 1,630,414; May 31.
Tool-driving spindle. E. Sandstrom. 1,630,541; May 31.
Tool for removing collars and the like. F. A. Mitchell Re16,646; May 31.
Toothbrush. E. L. H. Cosby. 1,631,013; May 31.
Top construction. S. Smith. 1,630,545; May 31.
Top, Walking. L. L. Mallard. 1,630,348; May 31.
Toy, Figured wheeled. A. L. Higgins. 1,630,615; May 31.
Toy mechanism, Talking. F. Evans. 1,630,260–1; May 31.
Toy motor. J. L. Craven. 1,631,016; May 31.
Toy, Pinwheel. O. Kuester. 1,630,852; May 31.
Toy pistol. S. Brown. 1,631,006; May 31.
Toy, Wheeled. C. H. Pajeau Des. 72,778; May 31.
Tractor-supported plowing attachment. M. B. Monson. 1,630,576; May 31.
Tractor-wheel attachment. B. D. Landon. 1,630,950; May 31.
Tractors, Derrick attachment for. T. F. Rainsford. 1,630,540; May 31.
Trailer. E. F. Hartwick. 1,630,425; May 31.
Train-control systems, Train-carried receiver for automatic. C. H. Zierdt. 1,630,559; May 31.
Train-pipe connecter. G. E. Baldwin. 1,630,908; May 31.
Train-pipe connecter, Automatic. J. V. Robinson. 1,630,582; May 31.
Trains, Control of. A. R. Angus. 1,630,511; May 31.
Transformer. E. G. Danielson. 1,630,693; May 31.
Transformer-tap-changing device. H. A. Travers. 1,630,363; May 31.
Trap: *See*—
Animal trap. Self-sealing trap.
Trap. F. Fortin. 1,630,419; May 31.
Tray. R. E. Clarke. 1,630,889; May 31.
Tray purse, tobacco pouch, or the like. G. Nicklin. 1,630,446; May 31.
Trolley-bucket-rope take-up. H. V. Harding. 1,631,036; May 31.
Truck, Car. B. W. Kadel. 1,630,567–70; May 31.
Truck, Car. B. W. Kadel and D. S. Barrows. 1,630,571–4; May 31.
Truck or trolley, Lifting. W. E. Kimber. 1,630,619; May 31.
Trucks, Freight-handling equipment for motor. J. B. McDevitt. 1,630,398; May 31.
Trunk, Jobber's display. A. W. Wiaship. 1,630,879; May 31.
Trunks, Locking device for. M. H. Luce. Re16,643; May 31.
Truss for rupture. S. Futerman. 1,630,933; May 31.
Tub stand, Rolling. H. T. Stroop, A. F. Hauser, and J. Hammer. 1,630,279; May 31.
Tube: *See*—
Vacuum tube.
Tube. R. M. Witt. 1,630,555; May 31.
Tube frame. E. F. Hathaway and C. Lea. 1,631,092; May 31.
Tube frame. C. Lea. 1,631,101; May 31.
Tube frames, Spool-supporting means for. E. F. Hathaway. 1,631,095; May 31.
Tube frames, Yarn spool for. E. F. Hathaway and W. Bixby. 1,631,093; May 31.
Tube frames, Yarn spool for. E. F. Hathaway and W. Bixby. 1,631,096; May 31.
Tubes, Connection for. F. Kusterle. 1,630,492; May 31.
Tumbler or article of similar nature. O. C. Buell. Des. 72,783–4; May 31.
Turbines, Governing means for. C. R. Waller. 1,630,725; May 31.
Two-cycle engine, Double-piston. O. O. Fusch. 1,630,841; May 31.
Type-casting machines, Pot feeder for. G. M. Cox. 1,631,014; May 31.
Typewriting machine. W. F. Helmond. 1,630,384; May 31.
Typewriter, Noiseless. J. A. Ruffin. 1,630,765; May 31.
Undergarment. A. M. Schneider. 1,630,315; May 31.
Universal joint. S. L. Laughlin. 1,630,898; May 31.
Unloader assembly. G. E. Hazard. 1,631,031; May 31.
Vacuum tube, Multiple-triode. F. S. McCullough. 1,630,443; May 31.
Vacuum tubes, Vibration-damping means for. C. C. Lauritsen. 1,631,100; May 31.
Valve. W. S. Sutton. 1,630,362; May 31.
Valve, Air-control. F. J. Skonier. 1,630,317; May 31.
Valve, Automatic self-closing. O. A. Price. 1,631,059; May 31.
Valve cap. E. J. Murphy. 1,631,050; May 31.
Valve construction. J. Schmidt. 1,630,973; May 31.
Valve-control mechanism for power actuators. C. S. Bragg and V. W. Kliesrath. 1,630,326–7; May 31.
Valve-core extractor. J. R. C. Smith. 1,630,976; May 31.
Valve for dry-pipe valves, Drip. E. E. Clark. 1,630,783; May 31.
Valve for oil burners. H. W. Hitzemann. 1,631,109; May 31.
Valve for water tanks, Automatic. O. Linstadt. 1,630,268; May 31.
Valve, Internal-combustion-engine. P. Krasno. 1,630,750; May 31.
Valve, Multiway. G. A. Burman. 1,630,781; May 31.
Valve, Soda-fountain draft-arm. C. R. Jenks. 1,630,947; May 31.
Valve, Thermostatic. H. S. Fahey. 1,630,929; May 31.
Valve, Tube-cleaner. H. L. Staley. 1,630,677; May 31.
Vanity hand bag. L. D. Hall. 1,630,844; May 31.
Vapor burners, Electric preheater for. G. A. Hoffman. 1,630,940; May 31.
Variometer. C. D. Tuska. 1,630,873; May 31.
Variometers, Mold for. C. D. Tuska. 1,630,874; May 31.
Vegetables into bundles, Band for tying. R. J. Brown. 1,630,888; May 31.
Vehicle direction indicator. F. W. Chadwick. 1,630,608; May 31.
Vehicle dumping mechanism. E. A. Dewald. 1,630,257; May 31.
Vehicle spring. W. H. Wallace. 1,630,364; May 31.
Vehicle spring controller, Automatic. E. Davis. 1,631,087; May 31.
Vehicle springs, Lubricating device for. W. K. Riley. 1,630,581; May 31.
Vehicle top. M. J. Forrester. 1,630,739; May 31.
Vehicle wheel. J. H. Wagenhorst. 1,630,875; May 31.
Vehicles, Attachment for. J. H. Clark. 1,630,525; May 31.
Vehicles, Illuminating device for. J. H. Tudor. 1,630,986; May 31.
Vehicles, Loading and unloading device for. P. Ducondu. 1,630,473; May 31.
Vehicles, Retaining the dumping elements of. J. S. Curtis. 1,631,018; May 31.
Vehicles, Self-thawing radiator for motor. C. E. Taylor. 1,630,872; May 31.
Vehicles, Spring wheel for road. G. C. Green. 1,630,937; May 31.
Vending machine. O. N. Kelly. 1,630,949; May 31.
Ventilator: *See*—
Window ventilator.

Ventilator. R. L. Crosthwaite. 1,630,692; May 31.
Ventilator. J. Sobel. 1,630,978; May 31.
Ventilator and the like. R. L. Crosthwaite. 1,630,691; May 31.
Vise. D. S. West. 1,630,993; May 31.
Voice mechanism. L. V. Aronson. 1,630,250; May 31.
Volatile liquids, Apparatus for the extraction and recovery of. E. A. Ironside. 1,631,036; May 31.
Volatile solvents, Recovery of. R. Oertel. 1,631,052; May 31.
Vulcanizer. G. W. Lewis. 1,631,042; May 31.
Vulcanizing apparatus. H. K. Wheelock. 1,630,457; May 31.
Wall board, Bound-edge plaster. C. W. Utzman. 1,631,108; May 31.
Wall construction. F. Y. Parsons. 1,630,801; May 31.
Walls and ceilings, Manufacturing lathing for. K. M. Johansson. 1,630,618; May 31.
Washer: *See*—
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Washing machines, Door mechanism for. F. Balzer. 1,630,513; May 31.
Washing machines, Tub for. F. M. and A. Fairgrieve. 1,630,478; May 31.
Waste and dust, Suction device for removing. K. Schmid. 1,630,972; May 31.
Watches or the like, Bracelet chain for wrist. A. Person. 1,630,498; May 31.
Water gauge. M. Pekich. 1,630,632; May 31.
Water heater. W. Coates. 1,630,890; May 31.
Water heater. P. S. Hanton and J. Dick. 1,630,382; May 31.
Water heater arrangement, Feed-. N. T. McKee. 1,630,400; May 31.
Water heater, Electric. E. C. Steere. 1,630,909; May 31.
Weaving, Tube frame for tuft. E. F. Hathaway. 1,631,094; May 31.
Web-feeding mechanism. J. E. Meyer. 1,630,713; May 31.
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Wheel. J. Bolick. 1,630,651; May 31.
Wheelbarrow. I. R. Smith. 1,630,975; May 31.
Winding machine. A. D. Scott. 1,630,720; May 31.
Window-cleaning device. H. T. Barlow. 1,630,463; May 31.
Window jack. S. Mennelley. 1,630,626; May 31.
Window structure. C. F. Boueck. 1,630,522; May 2.
Window ventilator. V. M. Allen. 1,630,594; May 31.
Windows, Lifting and retaining device for sliding. J. Ledwinka. 1,630,494; May 31.
Windshield. F. A. Dillingham. 1,630,330; May 31.
Windshield, Automobile. J. P. McCullough. 1,631,046; May 31.
Windshield cleaner. J. C. Birely. 1,630,921; May 31.
Wind stackers, Blower pipe for. H. B. Sperry. 1,630,588; May 31.
Wood construction. M. A. Huhnholz. 1,630,842; May 31.
Wool, cotton, rag, and the like drying machine. W. E. Layland and J. H. Whitehead. 1,630,438; May 31.
Wreck-lifting device. H. Wicks. 1,630,994; May 31.
Wrench. J. H. Ivey. 1,630,848; May 31.
Yarn, Method and apparatus for cleaning. L. B. Hasbrouck. 1,630,381; May 31.
Yoke, Steel. F. O'Dell. 1,630,447; May 31.

CLASSIFICATION OF PATENTS

ISSUED MAY 31, 1927.

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[Decisions of the Court of Appeals of the District of Columbia are indicated by the letter (*) and of the Supreme Court of the United States by the letter (*).]

ERRATA.

16,654 (Reissue), page 308, line 2, first claim, for the word "element" read *strip*.

1,633,858, page 857, in the heading, assignment, name of assignee, for "G. & C. Oil Separator Corporation" read *by mesne assignments of one-half to Howard T. Groves and one-half to H. A. Frey, both of Parsons, Kansas.*

Patents Nos. 1,631,112 to 1,631,052.

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Trade-Marks	239—No.	228,498 to No.	228,736, inclusive.
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Prints	41—No.	9,873 to No.	9,913, inclusive.
Reissues	3—No.	16,647 to No.	16,649, inclusive.
Designs	26—No.	73,795 to No.	73,820, inclusive.
Patents	841—No.	1,631,112 to No.	1,631,952, inclusive.
Total	1,349		

ADJUDICATED PATENTS.

(C. C. A. N. Y.) The Simpson patent, No. 932,722, for ballast tanks for ships, claims 1, 2, and 3 *Held* invalid. (D. C.) *Simpson* v. *Newport News Shipbuilding & Dry Dock Co.*, 18 F. (2d) 818; decree affirmed 18 F. (2d) 825.

(C. C. A. Ohio.) The Litchfield patent, No. 943,358, for pneumatic tire, claims 1, 2, and 4 *Held* invalid for want of invention. *Goodyear Tire & Rubber Co.* v. *Michelin Tire Co.*, 18 F. (2d) 216.

(C. C. A. Ohio.) The Hanna patent, No. 979,850, for distributing plate for locomotive stokers, claims 1 and 2 *Held* not infringed. *Locomotive Stoker Co.* v. *Hanna Stoker Co.*, 18 F. (2) 257.

(C. C. A. Ohio.) The Lower patent, No. 1,363,333, for device for relieving pressure on fuel-advancing means of locomotive stokers, claims 1 and 2 *Held* valid and infringed and claims 8 and 9 not infringed. *Locomotive Stoker Co.* v. *Hanna Stoker Co.*, 18 F. (2d) 257.

(C. C. A. Ohio.) The Lower patent No. 1,368,271, relating to locomotive stoker mechanism, claims 53 and 55 *Held* valid and infringed, *Locomotive Stoker Co.* v. *Hanna Stoker Co.*, 18 F. (2d) 257.

(C. C. A. Ohio.) The Lower patent, No. 1,371,252, for screw conveyer in locomotive stokers, claim 7 *Held* valid and infringed and claim 3 not infringed. *Locomotive Stoker Co.* v. *Hanna Stoker Co.* 18 F. (2d) 257.

(C. C. A. Ohio.) The Lower patent, No. 1,379,306, for fuel conveyers for locomotives, claim 10 *Held* not infringed. *Locomotive Stoker Co.* v. *Hanna Stoker Co.*, 18 F. (2d) 257.

(D. C. Minn.) The Hirschy patent, No 1,399,482, for clothes wringer, claim 1 *Held* valid and infringed. *Hirschy Co.* v. *Wisconsin-Minnesota Gas & Electric Household Appliances Co.*, 18 F. (2d) 347.

(C. C. A. N. Y.) The Gosselin patent, No. 1,416,345, for bottle-filling machines, *Held* void for prior public use. (D. C.) *Standard Automatic Mach. Co.* v. *Karl Kiefer Mach. Co.*, 18 F. (2d) 326; decree affirmed 18 F. (2d) 331.

(C. C. A. N. Y.) The Pennock patent, No. 1,418,203, for bottle-filling machines, *Held* void for prior public use. (D. C.) *Standard Automatic Mach. Co.* v. *Karl Kiefer Mach. Co.*, 18 F. (2d) 326; decree affirmed 18 F. (2d) 331.

(D. C. Ill.) The Dupont patent, No. 1,465,076, for garment protector, *Held* invalid. *Dupont* v. *Dennison Mfg. Co.*, 18 F. (2d) 317.

(D. C. Del.) The De Forest patents, Nos. 1,507,016 and 1,507,017, for radio signaling system, sustained against claim of priority of invention. *Langmuir* v. *De Forest*, 18 F. (2d) 345.

Photostat Copies.

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the number will vary according to the year.

2250

Condition of Applications Under Examination at Close of Business May 27, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,414; Trade-Mark Division, 1,770. Oldest new case, Oct. 16, 1926; oldest amended, Oct. 21, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New	Amended.	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 12	Mar. 12	551
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 1	Feb. 12	761
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Dec. 29	Feb. 1	1,846
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	†Dec. 14	†Dec. 21	1,537
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	†Dec. 8	†Dec. 8	957
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Nov. 1	†Nov. 9	1,590
106	7. JARDON, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	†Dec. 20	†Dec. 20	1,263
133	8. HENRY, O. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 15	Jan. 15	1,636
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 2	Mar. 4	832
118	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 3	Jan. 8	1,152
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Jan. 13	Jan. 28	942
380	12. PIERCE, P. P., Machine Elements	†Dec. 29	Jan. 5	1,248
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 4	Jan. 7	1,244
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	†Nov. 23	Jan. 8	1,218
339	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 17	Jan. 20	1,416
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 5	Feb. 11	700
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Oct. 28	†Dec. 6	726
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Nov. 9	†Nov. 5	997
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Jan. 10	Feb. 17	802
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Jan. 31	Jan. 26	963
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Dec. 21	Jan. 7	964
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	†Dec. 4	†Dec. 3	886
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Nov. 23	Jan. 13	722
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Oct. 16	†Oct. 22	1,070
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	†Dec. 27	Jan. 7	1,228
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 17	†Dec. 16	886
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 9	Feb. 10	843
225	28. BENSON, A. R., Internal-Combustion Engines	Jan. 21	Jan. 2	1,170
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 10	†Dec. 11	1,173
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 5	Feb. 7	1,004
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Dec. 22	Jan. 3	1,094
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Jan. 19	Jan. 29	968
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 23	Feb. 21	1,206
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	†Nov. 26	†Dec. 7	826
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 19	Mar. 14	860
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Mar. 7	Mar. 8	977
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Jan. 5	Jan. 12	1,368
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Jan. 7	Jan. 3	1,055
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 5	606
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	†Dec. 27	Jan. 7	1,950
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	728
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Dec. 13	†Dec. 13	1,482
134*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 19	Jan. 21	1,081
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 1	†Dec. 9	1,222
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Feb. 12	Feb. 14	920
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 3	Jan. 5	953
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 8	Jan. 11	1,440
213*	48. ROEPKE, O. B., Electricity, General Applications	†Dec. 22	†Dec. 17	967
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	†Nov. 30	†Dec. 6	985
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 7	Feb. 8	1,444
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	†Nov. 20	†Dec. 1	1,351
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Jan. 24	Jan. 26	1,210
209	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Jan. 29	Jan. 29	1,102
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Oct. 22	†Oct. 21	1,776
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	†Dec. 15	Jan. 10	579
	55. RICHARD, V. I. (Acting)—Designs	Apr. 17	May 3	547
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	Apr. 27	May 13	1,632
	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Labels and Prints	May 16	May 17	134

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

Ex parte Wetmore.

Decided March 2, 1927.

1. Rule 66—Pertinency of References—Knowledge and Skill of Counsel a Factor in Deciding Whether Obvious.

Under rule 66 the pertinency of references, if not obvious, must be clearly explained, but the Examiner may rely upon the knowledge and skill of counsel as one of the factors to be considered in deciding whether the pertinency is obvious.

2. Same—Same—Doubts as to Obviousness Resolved in Favor of Explanation of References.

Where the Examiner rejected all the claims, 22 in number, of each of four references, without pointing out the pertinency of the references, *Held* that doubts as to the obviousness of their pertinency should have been waived in favor of an explanation of the references.

3. Same—Explanation of Rejections.

Unless the reasons for rejecting are clearly obvious, the following explanations should be given: Where a claim is fully met in a reference, the Examiner should state this fact, rather than merely state the claim is rejected on the reference. Where a claim is denied as not presenting invention over a reference although defining some feature not found therein, the Examiner should note the fact that such feature is not found in the reference and explain briefly why the new feature does not amount to invention. Where two or more references are combined to anticipate a claim, the Examiner should state briefly and concisely just how the structures disclosed in the references are to be combined.

On petition.

Application for patent for process of forging articles of irregular shape and machines therefor.

Messrs. Erwin, Wheeler & Woolard for the applicant.

Kinnan, *First Assistant Commissioner:*

The applicant has petitioned that the "Commissioner vacate the unwarranted adverse ruling" of the Primary Examiner that the application is abandoned, and further direct him to comply with applicant's request—

that the Examiner point out to the applicant just what specific features in the patented constructions are regarded as embodying the specific features set forth in the claims.

The record discloses that on October 13, 1925, the Examiner, in the first action upon the application, rejected all the claims, 22 in number, "on either" of four patents which were cited. Reference was made to a fifth patent as further illustrative of the art. On October 12, 1926, just within the year allowed by law for response, the applicant filed a request that, under rule 66, the Examiner point out the specific features in the references which were regarded as anticipating the specific features of the claims. No explanation as to what was disclosed in the patents cited or what was included in the claims and not found in the references or how the claims avoided the references was presented.

The Examiner on October 20, 1926, held the applicant's response not such as the condition of the case required, not a bona fide attempt to advance the case to a final action, a mere allegation that the Examiner had erred, and held the application, in consequence, abandoned. He further stated that—

it is thought to be an unnecessary procedure to apply the references to twenty-two claims when as in this case the structures of the references are simple and easily understood and when the claims can easily be read upon the references.

Petitioner urges that the application is not abandoned and that the Examiner exceeded his jurisdictional powers in so holding. The petitioner stresses the failure of the Examiner to apply the references in the first instance to the claims and contends that such failure relieved the applicant from the necessity of pointing out, in his request for an application of the references, how the claims avoided the art cited. Reference is made by petitioner to rule 66, especially to that portion which states "the pertinence of the reference, if not obvious, must be clearly explained" as showing the Examiner failed to make his first action a proper one.

[1, 3] As noted in the rule, the pertinency of the reference must be explained *if not obvious*. In each application arises the question whether the pertinency of the art cited is, in fact, obvious without further explanation. Examiners rely, and justly so, upon the knowledge and skill of counsel as one of the factors to be considered in connection with the decision as to whether the pertinency of references to claims is obvious. It is necessary to do this in order that the enormous amount of work before the Office may be handled. It is believed, however, that doubts should be waived in favor of an explanation of the references. It is very seldom so large a group of claims can properly be rejected upon four patents in such a summary manner and without any explanation of the references. Where a claim is fully met in a reference, the Examiner should state this fact rather than merely state the claim is rejected on the reference. Where a claim is denied as not presenting invention over a reference, although defining some feature not found therein, the Examiner should note the fact that such feature is not found in the reference and explain briefly why the new feature does not amount to invention. Where two or more references are combined to anticipate a claim, the Examiner should state briefly and concisely just how the structures disclosed in the references are to be combined.

In the instant case it is believed the Examiner should have followed the foregoing plan, although the constructions disclosed in the application and the references are thought to be simple enough and readily enough understood for the applicant to have presented a proper response within the year. The structures are not so complex that the Examiner's failure to apply the references to the claims justified the applicant in failing to point out the novel features of his claims.

It has long been settled practice that a request for reconsideration is insufficient unless the alleged errors on the part of the Examiner are

specifically pointed out. As was stated in the case of *Durham* v. *Seymour*, 71 O. G. 601, 6 App. D. C. 78—

the burden is upon the applicant to establish, by proof that is clear and conclusive, the patentability of the invention as claimed.

So early as in the case of *Ex parte Hahn*, 96 O. G. 1429, the Commissioner held a mere request for reconsideration without distinctly and specifically pointing out the supposed errors in the Examiner's action not sufficient to entitle the applicant to a reconsideration, and that this procedure is reasonable and just and necessary to a proper disposition of the work of the Office. Substantially to the same effect is the holding in *Ex parte Reiss*, 137 O. G. 1712. In the case of *Ex parte Line*, 115 O. G. 1329, the Commissioner noted that—

the Examiner in the first action treats the case in the light of the facts which are then before him. If no reasons are given why the original action should be modified or set aside, the reexamination necessarily becomes a mere formal proceeding, and no useful result can accrue therefrom.

In *Ex parte Floyd*, 152 O. G. 229, the Commissioner stated that in case—

the reference shows nothing but the invention of the application and its pertinency is perfectly obvious, * * * it must be held that the Examiner's actions have been sufficient.

From the foregoing it is clear that the applicant did not make a proper response within the year to the first action of the Examiner, and the latter was justified in holding the application abandoned.

Since the filing of the petition, the applicant has filed, January 29, 1927, a communication setting forth in detail the reasons why he believes the claims define from the references. If such a communication had been filed within the year clearly enough the progress of the application would have been furthered and there would have been no holding of abandonment. Since, however, the proper response has now been made and since there was an apparent misunderstanding on the part of the applicant, the delay in prosecution is held to have been unavoidable and the application is revived. The Examiner will review his previous action upon the claims in view of the statement filed January 29, 1927.

The petition is denied.

Court of Appeals of the District of Columbia.

IN RE CARR.

No 1,896. Decided February 7, 1927.

CLAIMS—RIGHT TO MAKE—ANTICIPATION.

Where a claim copied from P.'s patent included as one element a belt, and for this reason was rejected on the ground that it does not read on applicant's disclosure, and it was also rejected on the further ground that if readable on applicant's disclosure it is anticipated by the patent to C., *Held* that the term "belt" seems to be applicable to applicant's device quite as fairly as to P.'s, and that the claim is not anticipated.

[This claim is a copy of claim 6 of the patent to Peterson, No. 1,410,114.]

APPEAL from the Commissioner of Patents. Reversed.

Mr. W. C. Henderson and *Mr. F. E. Dennett* for Carr.

Mr. T. A. Hostetler for Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

MARTIN, *C. J.*:

This is an appeal from concurrent decisions of the Patent Office rejecting claim 11 of appellant's application for Letters Patent for an improvement in concrete-road machines.

Appellant's device is a concrete-road-building machine, comprising a frame supporting various mechanisms, carried by four wheels propelled by a motor. The frame supports a tamper and at the rear carries a float or finisher also called a belt. This member is covered with cloth or canvas and is hinged to the frame so that it may be turned up when at rest. When in use it drags along the rear of the machine and at the same time is transversely moved across the concrete road by means of certain appliances secured to the frame which carries the finisher. The function of the float or finisher is to be moved crosswise over and in contact with the top of the cement mortar composing the road surface, while still plastic or unset, in order to put a smooth finish upon the cement by its wiping action. The float is connected at its ends with the frame in order to be subject to this straight crosswise pull as contrasted with any method of attachment which would permit of only a straight forward or backward movement when in action. The usefulness of the float as a wiper would be destroyed were it connected with the frame in any manner which would not permit of its transverse or crosswise movement. In the specifications the applicant refers to this member as "a belt or float or finisher which may be used to float or give a finish to the road surface," and also says,

It may be of any construction or material but I prefer a cloth material such as canvas and I prefer to move it back and forth across the road.

All of appellant's claims were allowed except claim 11 which reads as follows:

11. In a device of the class described, a portable frame, and means for propelling the same; and a belt supported at its ends by said frame so as to have engagement with the surface of a piece of plastic cement work over which said frame travels.

The references upon which this claim was rejected are Connelly [No. 1,238,497], August 28, 1917, and Peterson [No. 1,410,114], March 21, 1922. We think however that these references do not support the rejection. In Connelly's patent the drag is used for roughening slightly the surface of the tamped concrete roadway in order to render it better adapted for receiving paving bricks in seated position thereon. Connelly describes it as composed by preference of "a length of heavy leather belting," and states that—

said drag is made in two or more sections having their adjacent ends disposed in overlapped relation to adapt the same for adjustment with other parts of the machine to suit the width of the roadway being acted upon.

It is manifest that Connelly's drag is not designed to function similarly to applicant's, and is so constructed as to be incapable of such action. It can not be reciprocated across a road but can only be used by dragging it in a single direction longitudinally with the road. The inventive conception of these parts in the several devices is not the same. The Peterson patent was granted March 21, 1922, upon an application filed June 19, 1920. It can not serve here as a legal anticipation of appellant's invention, as described and defined by the rejected claim, for the reason that both the filing date of Peterson's application and the date of the grant of his patent are subsequent to May 9, 1919, the date upon which appellant's application was filed. In this connection we may say that the term "belt" seems to be applicable to applicant's drag quite as fairly as to Peterson's. In neither device is there an endless belt, but in both alike the drag must be measurably taut in order to accomplish its purpose.

We think accordingly that claim 11 should be allowed, and the decision of the Commissioner of Patents is therefore reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,043,021, C. W. Mayer, Machine for coating carbon paper, filed Apr. 7, 1927, D. C., S. D. N. Y., Doc. E 41/122, *C. & R. Research Corp.* v. *E. Schultz et al.* (*Queen Ribbon & Carbon Co.*). Doc. E 41/123, *C. & R. Research Corp.* v. *J. Allen & Co.*

1,044,468, H. C. Kirk, Jr., Thrust bearing, filed Apr. 18, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2206, *Apco Mfg. Co.* v. *The Simmons Mfg. Co.*

1,092,078, Re. 13,628, M. C. Overman, Vehicle Tire, filed Apr. 16, 1927, D. C., S. D. N. Y., Doc. E 41/152, *O. & W. Co. et al.* v. *Goodyear Tire & Rubber Co., Inc.*

1,207,711, R. W. Clark, Changeable signboard, appeal filed Mar. 18, 1927, 7th Cir., Doc. 3740, *R. W. Clark Mfg. Co.* v. *Tablet & Ticket Co.* Decree affirmed Mar. 25, 1927.

1,216,012, Taylor & Melville, Billboard and method of making same, filed Dec. 19, 1924, D. C. Mass., Doc. E 2043, *Criterion Advertising Co.* v. *E. R. Seely.* Bill dismissed May 12, 1925.

1,246,527, H. J. Bentson, Trenching machine, filed May 22, 1923, D. C., N. D. Ohio (W. Div.), Doc. E 399, *Austin Machinery Corp.* v. *The Buckeye Traction Ditcher Co.* Decree reversed, patent held valid and infringed (notice dated Apr. 19, 1927.)

1,273,435, F. D. Williams, Method of taking motion pictures, filed Mar. 26, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L-88-J, *F. D. Williams* v. *M. Handschiegl.*

1,283,156, J. K. Green, Anchor bolt, filed June 3, 1925, D. C., S. D. N. Y., Doc. E 32/104, *J. K. Green, Inc., et al.* v. *A. Buck.* Consent decree sustaining patent and granting injunction Apr. 21, 1927.

1,307,317, F. J. Perey, Turnstile, filed Mar. 5, 1927, D. C., E. D. N. Y., Doc. 2965, *F. J. Perey* v. *New York Rapid Transit Corp.*

1,307,734, A. V. Guilborg, Lubricating means, filed Mar. 15, 1926, D. C., S. D. Ohio (E. Div.), Doc. 439, *The Bassick Mfg. Co.* v. *The Cussins & Fearn Co.* Injunction granted (notice dated Apr. 12, 1927).

1,310,588, A. Thoma, Shoe-bottom-filling machine, filed Oct. 25, 1924, D. C. Mass., Doc. E 2017, *North American Chemical Co. et al.* v. *G. H. Lucey.* Bill dismissed Apr. 2, 1925.

1,326,908, S. H. Boylan, Classifier, Appeal filed Apr. 12, 1927, 8th Cir., Doc. 7538, *C. E. Wood* v. *S. H. Boylan et al.* Decree reversed Apr. 12, 1927.

1,333,363, C. M. Abbott, Compound for penetrating interior corrosion, filed Dec. 28, 1920, D. C. Mass., Doc. E 1055, *Polygon Products Co.* v. *Motor Accessories, Inc.* Bill dismissed Sept. 28, 1925.

1,342,687, L. Melanowski, Power-transmitting mechanism, appeal filed 6th Cir., Doc. 4378, *Union Trust Co.* v. *White Motor Co.* Decree affirmed, claims 7, 13, 15, 18, and 19 held invalid Apr. 15, 1927.

1,349,862, J. C. Tate, Gas-burning heater, filed May 15, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1685, *J. C. Tate* v. *Pacific Gas Heating Co. et al.* Patent held valid and infringed (notice dated Apr. 4, 1927).

1,352,719, A. T. Baldwin, Draft gage, filed Oct. 1, 1921, D. C. Mass., Doc. E 1405, *Precision Instrument Co.* v. *The Foxboro Co., Inc.* Bill dismissed Sept. 28, 1925.

1,371,247, J. Jonas, Hat-stretching machine, filed Apr. 20, 1927, D. C., S. D. N. Y., Doc. E 41/188, *J. Jonas* v. *Garve Co., Inc., et al.*

1,381,641, A. S. Jay, Music roll for piano players and method of producing same, filed Sept. 10, 1925, D. C., S. D. Calif. (Los Angeles), Doc. J-57-M, *A. S. Jay* v. *Filmusic Co.*

1,389,067, M. D. Nielson, Undergarment for women, filed Aug. 30, 1926, D. C., S. D. N. Y., Doc. E 38/194, *Wingate Kickernick Co. et al.* v. *The McCall Co.* Motion to dismiss denied, injunction granted Apr. 15, 1927.

1,403,532, W. L. Wright, Closure disk for containers, appeal filed Mar. 9, 1927, 7th Cir., Doc. 3879, *S. & S. Paper Products Co.* v. *Oswego Falls Corp.*

1,408,106, H. McCabe, Flanging machine, filed Dec. 28, 1925, D. C., S. D. Calif. (Los Angeles), Doc. J-98-M, *H. McCabe* v. *G. W. Derby et al.*

1,430,066, E. R. Evans, Air cleaner, appeal filed Apr. 1, 1927, 7th Cir., Doc. 3891, *United Mfg. & Distributing Co.* v. *E. R. Evans et al.*

1,434,356, H. T. Doulett, Eyeleting machine, filed Dec. 30, 1922, D. C. Mass, Doc. E 1792, *L. Muther et al.* v. *United Shoe Machinery Corp.* Dismissed without prejudice Jan. 2, 1926.

1,435,199, L. V. Blair, Heat-insulated receptacle, appeal filed Mar. 21, 1927, 7th Cir., Doc. 3889, *The Monarch Co. et al.* v. *The Mantle Lamp Co. of America.*

1,436,601, A. D. Niemeyer, Tray-supporting device, filed Mar. 1, 1927, D. C., N. D. Tex. (Dallas), Doc. 3151-409, *Tray Service Co. of Dallas City* v. *R. C. Nelms et al.*

1,445,861, B. V. Bultzingslowen, Advertising sign, filed Mar. 10, 1927, D. C., E. D. N. Y., Doc. 2969, *B. V. Bultzingslowen* v. *Ideal Sign Co., Inc.*

1,465,546, H. P. Donle, Inductance, filed Mar. 12, 1927, D. C., E. D. N. Y., Doc. 2972, *The Connecticut Telephone & Electric Co., Inc.*, v. *C. A. Friedrich.*

1,489,477, Bowes & Bowes, Process for rubber patches, appeal filed Mar. 31, 1927, 8th Cir., Doc. 7801, *P. L. Knick (Knick's Mend-Rite Mfg. Co.)* v. *Bowes "Seal Fast" Corp.*

1,501,090, Barr & Edgar, Steam blower, filed Apr. 5, 1927, D. C., S. D. Ala. (Mobile), Doc. E 116, *G. Edgar* v. *H. Hartwell et al.*

1,504,426, W. M. Bruce, Jr., Wireless telegraphy, filed May 19, 1926, D. C., S. D. N. Y., Doc. E 37/52, *W. M. Bruce, Jr. et al.* v. *Radio Corp. of America.* Dismissed without prejudice Apr. 19, 1927.

1,508,757, F. I. Alexander, Device for torpedoing wells, filed Sept. 29, 1925, D. C., S. D. Calif. (Los Angeles), Doc. J-65-M, *The Alexander Corp.* v. *Hercules Well Shooting & Contracting Co.*

1,511,357, E. Nairne, Automobile goggles, filed Nov. 18, 1924, D. C. Mass., Doc. E 2026, *E. Nairne et al.* v. *Humboldt Mfg. Co. et al.* Consent decree dismissing bill Mar. 27, 1925.

1,525,923, A. A. Densmore, Engine starter, filed Mar. 31, 1927, D. C. Mass., Doc. E 2806, *A. A. Densmore* v. *C. P. Rockwell, Inc.*

1,558,194, M. L. Luebben, Sharpening machine, appeal filed Mar. 9, 1927, 7th Cir., Doc. 3878, *Modern Grinder Mfg. Co.* v. *Dazey Churn & Mfg. Co. et al.*

1,578,908, J. W. Neff, Safety paper, filed Apr. 16, 1927, D. C., S. D. N. Y., Doc. E 41/153, *J. W. Neff* v. *The Todd Co.*

1,579,774, M. Lowy, Traveling bag, filed Jan. 17, 1927, D. C., S. D. N. Y., Doc. E 40/66, *Lowy & Lowy, Inc.*, v. *Union Traveling Bag Co., Inc.* Consent degree sustaining patent and granting injunction Apr. 11, 1927.

1,592,502, A. Pollak, Lead pencil, filed Mar. 24, 1927, D. C., E. D. N. Y., Doc. 2994, *S. Kanner* v. *The Espey Corp., Inc., et al.*

1,595,863, L. L. Driggs, Jr., Indicating device for radio receiving apparatus, filed Mar. 5, 1927, D. C., E. D. N. Y., Doc. 2964, *A. Dorsey* v. *Pilot Electric Co. et al.*

1,614,276, J. Bulova, Watch, filed Apr. 12, 1927, D. C., S. D. N. Y., Doc. E 41/129, *Bulova Watch Co., Inc.*, v. *B. Lazrus et al.* (*Benrus Watch Co.*).

1,618,767, R. R. Machlett, Manufacture of Luminous electrical discharge tubes, filed Mar. 21, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L-87-M, *Rainbow Light, Inc., et al.* v. *Electrical Products Corp.*

Re. 13,626. (See 1,092,078.)

Re. 15,881, C. W. Prickett, Concrete and wood floor construction device, appeal filed Apr. 5, 1927, 8th Cir., Doc. 7433, *The Bull Dog Floor Clip Co.* v. *Munson Mfg. Co.* Decree affirmed Apr. 5, 1927.

Des. 70,242, M. Simson, Jewelry setting, filed Apr. 8, 1927, D. C., S. D. N. Y., Doc. E 41/126, *Simson Bros., Inc.*, v. *Blanchard & Co., Inc.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,563,964, A. F. Carlson, Lasting machines, decided April 26, 1927, claims 21, 22, and 23.

Pat. 1,583,477, D. E. Lochman, Pile-wire knives, decided April 26, 1927, claim 1.

Final decision in interference has been rendered against the following trade-mark:

T. M. 148,406, Wheat flour, Fisher Flouring Mills Company, Seattle, Wash. Registered November 15, 1921. Decided May 12, 1927.

Disclaimer.

1,596,761.—*Willis M. Peirce* and *Edmund A. Anderson*, Palmerton, Pa. DIE-CASTING METAL. Patent dated August 17, 1926. Disclaimer filed May 20, 1927, by the assignee, *The New Jersey Zinc Company.*

Hereby disclaim from the scope of claims 1, 2 and 3 all zinc-base alloys except those containing aluminum and copper, or their equivalents, in such proportions that the alloys have such tensile strength, impact strength, ductility, fluidity, low shrinkage and freedom from hot-shortness as make them suitable for die-casting purposes; in which alloys magnesium in the percentages specified reduces intercrystalline oxidation and undesirable changes in physical properties upon aging.

Interference Notice.

U. S. PATENT OFFICE, *Washington, May 19, 1927.*

C. Schultz, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. R. & W. J. Sutherland, 45 Hudson Ave., Albany, N. Y., for registration of a trade-mark and trade-mark registered April 4, 1916, No. 109,423, to C. Schultz, 32 Jay St., New York, N. Y., and a notice of such declaration sent by registered mail to said C. Schultz at the said address having been returned by the post office undeliverable, notice is hereby given that unless said C. Schultz, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, May 12, 1927.*

Engineering Products Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of O'Neil Duro Company, of Milwaukee, Wis., to effect the cancellation of the trade-mark registration of Engineering Products Corporation, Newport News, Va., No. 107,818, dated December 28, 1915, and the notice of such proceeding sent by registered mail to the said Engineering Products Corporation at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Engineering Products Corporation, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 7, 1927.

[VOL. 359. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 192,785. (CLASS 12. CONSTRUCTION MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed Feb. 25, 1924.



No claim is made to the words "Durable, Roofing, Fire Resisting, Weather Proof" apart from the mark as shown.

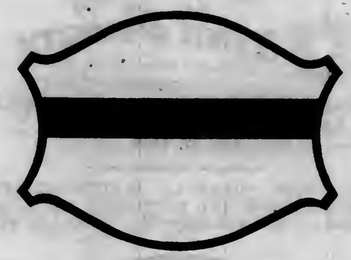
Particular description of goods.—Prepared Roofing.
Claims use since Sept. 1, 1910.

Ser. No. 194,329. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Mar. 24, 1924.



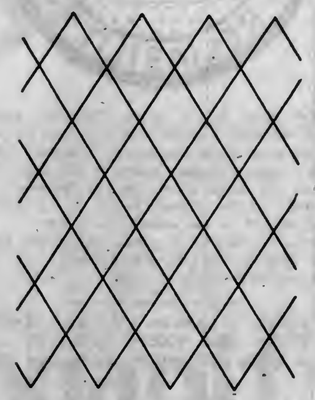
Particular description of goods.—Wall Board.
Claims use since Feb. 24, 1923.

Ser. No. 194,447. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOSTESS PRODUCTS CORP., New York, N. Y. Filed Mar. 26, 1924.



Particular description of goods.—Mayonnaise and Russian Dressing.
Claims use since February, 1920.

Ser. No. 208,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON-PAGEL COMPANY, Detroit, Mich., assignor to Gordon Baking Company, a Corporation of Michigan. Filed Jan. 26, 1925.



The color lining on the seals is disclaimed as indicating any particular color and is used for shading purposes only.

Particular description of goods.—Bread.
Claims use since Dec. 30, 1924.

Ser. No. 209,502. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIERRA FOOD COMPANY, Los Angeles, Calif. Filed Feb. 12, 1925.

Jersey COW

Particular description of goods.—Cheese.
Claims use since January, 1922.

Ser. No. 218,717. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PROVIDENCE PUBLIC MARKET CO., Providence, R. I. Filed Aug. 11, 1925.

STAR O' NORTH

Particular description of goods.—Butter, Eggs, and Fresh Milk.
Claims use since July 27, 1925.

Ser. No. 219,459. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE R. THOMAS & SONS CO., East Liverpool, Ohio. Filed Aug. 27, 1925.

THOMAS QUALITY RELIABILITY

Exclusive right to the words "Quality" and "Reliability" are disclaimed apart from the mark shown in the drawing or apart from the name "Thomas." No rights are claimed under this registration to the name "Thomas" apart from the mark shown in the drawing. The exclusive right to the representation of an insulator is disclaimed except in the association shown.
Particular description of goods.—Electrical Insulators, Insulator Fittings, and Insulator Pins.
Claims use since January, 1924.

Ser. No. 226,905. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINCOLN STEEL & FORGE COMPANY, St. Louis, Mo. Filed Feb. 5, 1926.

LUBRIGUN

Particular description of goods.—Portable Lubricating Apparatus.
Claims use since about Nov. 9, 1925.

Ser. No. 227,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BISSINGER CANDY COMPANY, Cincinnati, Ohio. Filed Feb. 18, 1926.

Bissinger's

Particular description of goods.—Candy.
Claims use since first part of year 1906. Applicant is the owner of registered mark #217,214, effected under the 10-year proviso.

Ser. No. 228,897. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) EUREKA PACKING CO., New York, N. Y. Filed Mar. 20, 1926.

Ambest

Particular description of goods.—Flexible Metallic Packing.
Claims use since 1902.

Ser. No. 229,057. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SAMSTAG & HILDER BROS., INC., New York, N. Y. Filed Mar. 23, 1926.

The JOAN D'ARC NECKLACE

No claim is made to the word "Necklace" apart from the mark shown.
Particular description of goods.—Necklaces and Bracelets.
Claims use since about Feb. 23, 1926.

Ser. No. 229,512. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. HOE & CO., INC., New York, N. Y. Filed Apr. 1, 1926.

MONO-RAIL

Particular description of goods.—Trimming Machines for Trimming and Finishing Electrotype and Stereotype Printing Plates.
Claims use since December, 1925.

Ser. No. 229,747. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE METROPOLITAN BODY COMPANY, Bridgeport, Conn. Filed Apr. 6, 1926.

DUPLEX

Particular description of goods.—Cabs for Automotive Vehicles.
Claims use since Mar. 1, 1925.

Ser. No. 229,908. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) B. F. GUMP CO., Chicago, Ill. Filed Apr. 9, 1926.

VIBROX PACKER

The word "Packer" is disclaimed apart from the other features of the mark.
Particular description of goods.—Vibratory Apparatus for Packing the Contents in Containers Such as Bags, Barrels, and the Like.
Claims use since Oct. 23, 1925.

Ser. No. 229,925. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NATIONAL PIPE BENDING COMPANY, New Haven, Conn. Filed Apr. 9, 1926.

NATIONAL

Particular description of goods.—Oil Separators.
Claims use since on or about Apr. 12, 1883.

Ser. No. 230,177. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEXANDER LATOUR, doing business as A. Latour, Chicago, Ill. Filed Apr. 14, 1926.

OLEOSOLUTION

No claim is made to the word "Oleosolution" apart from the mark shown in the drawing.
Particular description of goods.—Compound for the Treatment of Pulmonary Diseases.
Claims use since Mar. 1, 1926.

Ser. No. 230,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEL-BAY FARMS, INC., Bridgeton, N. J. Filed Apr. 15, 1926.

DEL-BAY

Particular description of goods.—Fresh and Canned Peaches and Cucumbers in Their Natural State.
Claims use since July 1, 1925.

Ser. No. 230,513. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BEE JAY PRODUCTS CO., INC., New York, N. Y. Filed Apr. 22, 1926.

Snapit

Particular description of goods.—Game Apparatus Consisting of a Base of Cardboard or the Like Printed in Imitation of a Face Having Apertures at Intervals

Therein, a Ball, Button, or the Like Adapted to Pass Through Said Apertures and an Elastic Member Connecting Said Ball to Said Base so That When the Ball is Moved Away From the Base and Then Released It Will be Drawn Back by the Said Elastic Member, Sometimes Passing Through One of Said Apertures.

Claims use since Mar. 1, 1925.

Ser. No. 230,538. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio. Filed Apr. 22, 1926.

Leathers of Character

No claim is made to the word "Leathers" except in connection with the other features of the trade-mark.

Particular description of goods.—Leather.

Claims use since August, 1907.

Ser. No. 230,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH RUBIN, doing business as Lubin's Pioneer Medicine Company, Chicago, Ill. Filed Apr. 28, 1926.



The word "Oil" is disclaimed apart from the mark shown.

Particular description of goods.—Liniment.

Claims use since April, 1918.

Ser. No. 231,366. (CLASS 12. CONSTRUCTION MATERIALS.) THE CELITE COMPANY, Los Angeles, Calif. Filed May 10, 1926.

CELITE

Particular description of goods.—Crushed or Ground Diatomaceous Earth in Natural, Dried, or Calcined Condition; Pulverulent Compositions Containing Diatomaceous Earth and Aggregates Comprising and Containing Natural, Dried, or Calcined Diatomaceous Earth for Use with Hydraulic Cement, Gypsum, Bitumen, and Other Binders or Combined Therewith to Form Wall Board, Walls, Paving, and Other Structures.

Claims use since February, 1915.

Ser. No. 231,797. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EBHARD & SÖHNE A. G., Schwabisch Gmund, Germany. Filed May 18, 1926.



Particular description of goods.—Religious Articles—Namely; House Altars, Fonts to Contain Holy Water, and Crucifixes and Crosses—Not Made of Precious Metals.

Claims use since Feb. 1, 1923.

Ser. No. 233,329. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) REPUBLIC BRASS AND MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 16, 1926.

Repcal

Particular description of goods.—Plumbing Specialties—Namely, Sink Faucets, Swing Spouts, and Adjustable Flanges.

Claims use since Nov. 1, 1925.

Ser. No. 234,253. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed July 7, 1926.

GROTTO BLUE

Applicant disclaims any exclusive right to the word "Blue" apart from the mark shown in the drawing.

Particular description of goods.—Pearls, Pearl Necklaces, Brooches, Bar Pins, Pins for Dress Ornaments Made Wholly or in Part or Plated with Precious Metal, Ornamental Hatpins, Ornamental Pins and Buckles Made Wholly or in Part or Plated with Precious Metal for Decorating Hats, Ornamental Shoe Buckles Made Wholly or in Part or Plated with Precious Metal, Necklaces, Bead Necklaces, Bracelets, Earrings, Hair Ornaments Made Wholly or in Part or Plated With Precious Metal, and Finger Rings.

Claims use since Feb. 15, 1926.

Ser. No. 234,370. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BUZZA COMPANY, Minneapolis, Minn. Filed July 10, 1926.

The Distinctive Gift Motto

No claim is made to the words "The Distinctive Gift Motto" apart from the mark shown in the drawing.

Particular description of goods.—Gift Mottoes.

Claims use since May 10, 1925.

Ser. No. 234,427. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AJAX ELECTRIC SPECIALTY COMPANY, St. Louis, Mo. Filed July 12, 1926.

AJAX

Particular description of goods.—Radio Receiving Sets and Parts and Accessories, Comprising Plugs, Connecters, Jacks, Rheostats, Lightning Arresters, Head Phones, Ear Phones, Loud Speakers, Audiotubes, Condensers, Receiver Cords, Audio and Radio Frequency Transformers, Spaghetti Tubing, Crystal Detectors, Assembled Detector Units, Tube Receptacles, Switch Levers, Switch-Lever Sets, Contact Points, Switch Stops, Binding Posts, Antennas, Antenna Sockets, Insulators, and Dials.

Claims use since January, 1922.

Ser. No. 234,887. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) WILLEY-ELLIS COMPANY, Philadelphia, Pa. Filed July 21, 1926.

WILLEY-ELLIS CO.
ROYAL LINE
W E
PHILADELPHIA · SAN FRANCISCO · CHICAGO

No claim is made to the geographical words "Philadelphia, San Francisco, Chicago," apart from the other features of the mark.

Particular description of goods.—Clothes Extractors, Collar Shapers, Collar and Cuff Ironing Machines, Clothes Tumblers, Clothes Driers, and Clothes Cookers.

Claims use since May 5, 1926.

Ser. No. 235,240. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB CO., Chicago, Ill. Filed July 27, 1926.



The trade-mark consists of the portrait of Thomas J. Webb, the president of the applicant company.

Particular description of goods.—Coffee and Tea.

Claims use since Nov. 20, 1917.

Ser. No. 236,743. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WILLIAM L. GILBERT CLOCK COMPANY, Winsted, Conn. Filed Sept. 1, 1926.

Gilbert
1807

No claim is made to the exclusive use of the word "Gilbert" apart from the trade-mark shown.
Particular description of goods.—Clocks.
Claims use since Aug. 11, 1926.

Ser. No. 236,895. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JEFFERY WHITE STUDIO, INC., Detroit, Mich. Filed Sept. 4, 1926.

Fotocolor Plates

The word "Plates" is disclaimed.
Particular description of goods.—Printing Plates and Photo Films.
Claims use since Apr. 1, 1924.

Ser. No. 236,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORA H. SHAW, doing business as Qick Chemical Co., Los Angeles, Calif. Filed Sept. 7, 1926.

Qick

Particular description of goods.—Skin-Bleaching Cream.
Claims use since May 2, 1926.

Ser. No. 237,278. (CLASS 12. CONSTRUCTION MATERIALS.) EUGENE R. ODEN, doing business as Waterproof Paint Company, Lankershim, Calif. Filed Sept. 15, 1926.

CONWAX

"Conwax."
Particular description of goods.—Crack-Sealing Wax for Concrete Reservoirs and the Like.
Claims use since 1914.

Ser. No. 237,822. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOSEPH SCADRON, New York, N. Y., assignor to U. S. Bifocal Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1926.

Mello-Site

"Mello-Site."
Particular description of goods.—Ophthalmic Lenses and Frames and Mountings Therefor.
Claims use since Feb. 2, 1916.

Ser. No. 237,945. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y. Filed Sept. 30, 1926.

CHICAGO BYER

No claim is made to the word "Byer" apart from the other features of the mark as shown. Exclusive right to the word "Chicago" is disclaimed.
Particular description of goods.—Cooling and Condensing Apparatus—Namely, Steam Condensers, Vapor Condensers, Air Coolers, and Gas Coolers.
Claims use since Aug. 10, 1925.

Ser. No. 238,132. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE NU-WAY CORPORATION, Rock Island, Ill. Filed Oct. 4, 1926.

Nu-way

Particular description of goods.—Liquid-Fuel Burners for Use in Connection with Warm Air, Hot Water, Steam, and Other Heating Apparatus.
Claims use since Nov. 15, 1923.

Ser. No. 238,149. (CLASS 10. FERTILIZERS.) AGRICULTURAL CHEMICAL WORKS, Los Angeles, Calif. Filed Oct. 5, 1926.

FOR BETTER CROPS USE — A·C·W

No exclusive claim is made to the use of the words "For Better Crops Use" apart from the mark, as shown. The drawing is lined for red.
Particular description of goods.—Fertilizers.
Claims use since Jan. 1, 1896.

Ser. No. 238,610. (CLASS 39. CLOTHING.) OPPENHEIM, OBERNDORF & CO., INC., doing business as The Sealpax Company, Baltimore, Md. Filed Oct. 14, 1926.

CHEK-STA

Particular description of goods.—Men's Athletic Underwear Made From Textile Fabric.
Claims use since Sept. 1, 1926.

Ser. No. 239,052. (CLASS 15. OILS AND GREASES.) PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed Oct. 22, 1926.

PIERCO

Particular description of goods.—Lubricating Oils.
Claims use since Feb. 3, 1926.

Ser. No. 239,093. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COMPAGNIE GÉNÉRALE D'ELECTRICITÉ, Paris, France. Filed Oct. 23, 1926.

MAT

Particular description of goods.—Electrical Apparatus, and Particularly Storage Batteries and Parts Thereof.
Claims use since Mar. 6, 1924.

Ser. No. 239,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARD H. KARMEN, Honolulu, Territory of Hawaii, assignor to Hawaiian Packing Company, Ltd., Hilo, Territory of Hawaii. Filed Oct. 25, 1926.

MOANA

Particular description of goods.—Preserved Fruits—Namely, Pineapple Jam, Poha Jam, Guava Jelly, Guava Jam, and Nectar (Consisting of a Mixture of Preserved Pineapple, Papaya, and Melon Sweetened with Sugar.)
Claims use since May 6, 1926.

Ser. No. 239,288. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VICTOR BELANGER, New Bedford, Mass. Filed Oct. 27, 1926.

R. M. C.

Particular description of goods.—Medicine for the Treatment of Women's Diseases, and Particularly for Ailments of the Generative Organs.
Claims use since Feb. 10, 1926.

Ser. No. 239,719. (CLASS 32. FURNITURE AND UPHOLSTERY.) POLLY PARSONS, INC., Pelham, N. Y. Filed Nov. 5, 1926.



Particular description of goods.—Upholstered Household Chairs and Household Tables, Upholstered Sofas; Upholstered Wing, Arm, Show Wood Chairs; Chaise Longues; Upholstered Side, Slipper, and Rocking Chairs.
Claims use since Mar. 1, 1926.

Ser. No. 239,920. (CLASS 32. FURNITURE AND UPHOLSTERY.) COMPANY OF MASTER CRAFTSMEN, INC., Flushing, N. Y. Filed Nov. 11, 1926.

THE·COMPANY·OF· ·MASTER·CRAFTSMEN·

Particular description of goods.—Furniture—Namely, Tables, Dressing Tables, Night Tables, Serving Tables, Bureaus, Chiffoniers, Sideboards, Commodes, China Cabinets, Beds, Sofas, Settees, Benches, Chaise Longues, Chairs, Desks, Mirrors, Screens, Bookcases, Book Ends, Book Carriers, Picture Frames.
Claims use since Oct. 22, 1926.

Ser. No. 240,335. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ARTKRAFT SIGN COMPANY, Lima, Ohio. Filed Nov. 20, 1926.

LIMA ARTKO SIGNS OHIO

No claim is made to the words "Signs" and "Lima, Ohio" apart from the mark shown in the drawing.
Particular description of goods.—Electric Signs.
Claims use since May 11, 1926.

Ser. No. 240,644. (CLASS 39. CLOTHING.) DAYTON HOSIERY MILLS, Dayton, Tenn. Filed Nov. 27, 1926.

KANT-B-BEAT

Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1923.

Ser. No. 240,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DR. BRENT'S NATURE FOOD CO. INC., Portland, Oreg. Filed Nov. 29, 1926.

Honeyed WHOLE WHEAT

All wording on drawing is disclaimed apart from the mark shown.
Particular description of goods.—Canned Wheat.
Claims use since June 30, 1926.

Ser. No. 240,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE BROTHERS, Scotts, Mich. Filed Dec. 2, 1926. Under 10-year proviso.

WHITE'S EUREKA

"White's Eureka."
Particular description of goods.—Country Flouring Mills Products—Namely, Corn, Oats, Cottonseed, Linseed, Bran, Middlings, Wheat, Dairy Feeds, Salvage Grain Manufactured from Wheat, Oats, Rye, Barley, Corn, Buckwheat, Cottonseed, and Potatoes.
Claims use since 1890.

Ser. No. 241,553. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AKTIENGESELLSCHAFT HOMMEL'S HAEMATOGEN, Zurich, Switzerland. Filed Dec. 16, 1926.

SEDIN

Particular description of goods.—A Nerve Tonic.
Claims use since Sept. 12, 1922.

Ser. No. 241,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ORIOLE INC., Wellesley, Mass. Filed Dec. 23, 1926.

THE ORIOLE

FOOD SHOP

Applicant disclaims the words "Food Shop" apart from the mark as shown in the drawing.
Particular description of goods.—Pies.
Claims use since May 20, 1922.

Ser. No. 242,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PETER MÜLHENS, Cologne-on-the-Rhine, Germany, doing business under the name Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens, Köln a/Rhein. Filed Dec. 28, 1926.

EAU DE COLOGNE RUSSE EXTRA VIEILLE FERD. MÜLHENS COLOGNE S/RH.

All wording shown on the drawing is disclaimed apart from the mark as shown.
Particular description of goods.—Eau de Cologne Water, Perfumery, Hair Tonics, Shampoo, Pomade, Brilliantine, Cold Cream, Vanishing Cream, Rouge, Face Powder, Baby Powder, After-Shaving Lotion, Tooth Paste, Mouth Wash, Head Tonics, Ethereal Oils for Perfumes.
Claims use since March, 1926.

Ser. No. 242,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CITY MILLS COMPANY, Columbus, Ga. Filed Dec. 29, 1926.

COW BREAD

Particular description of goods.—Cow Feed.
Claims use since June 1, 1926.

Ser. No. 242,220. (CLASS 12. CONSTRUCTION MATERIALS.) A/S SANO, Kjobenhavn, Denmark. Filed Dec. 31, 1926.

EXPANKO

"Expanko."
Particular description of goods.—Floor Tile.
Claims use since 1919.

Ser. No. 242,259. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VON DANCZ-FISHER, INC., New York, N. Y. Filed Dec. 31, 1926.

OSPEEDOS
(Formo-Sulpho-Calco-Guaiol).

No claim is made for the term "Formo-Sulpho-Calco-Guaiol."
Particular description of goods.—Prophylactic and Germicide Preparations to be Used for Injection.
Claims use since June 1, 1926.

Ser. No. 242,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VON DANCZ-FISHER, INC., New York, N. Y. Filed Dec. 31, 1926.

FIBROCALCYNE
(Thio-Sulpho-Mercuro-Guaiol).

No claim is made for the term "Thio-Sulpho-Mercuro-Guaiol."
Particular description of goods.—Prophylactic and Germicide Preparations to be Used for Injection.
Claims use since June 1, 1926.

Ser. No. 242,287. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEONARD B. GALHOUSE, Chicago, Ill. Filed Jan. 3, 1927.

Metalform

The representation of a tooth is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—False Teeth, Dentures, and Restorations.
Claims use since Dec. 17, 1926.

Ser. No. 242,465. (CLASS 15. OILS AND GREASES.) W. H. BARBER COMPANY, Minneapolis, Minn. Filed Jan. 7, 1927.

PENNO

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Sept. 10, 1916.

Ser. No. 242,504. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SANDAR CORPORATION, Long Island City, N. Y. Filed Jan. 7, 1927.

SANDAR

Particular description of goods.—Radio Cone Speakers.
Claims use since Sept. 23, 1926.

Ser. No. 242,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BECK'S BAKING CORPORATION, Winchester, Va. Filed Jan. 10, 1927.

BECK'S BEST BREAD

No claim is made to the exclusive appropriation of the surname "Beck's" and the descriptive words "Best Bread" except in the particular association and method of display made in the drawing.

Particular description of goods.—Bread.

Claims use since Mar. 15, 1914.

Ser. No. 242,629. (CLASS 39. CLOTHING.) STYLEPARK HATS, INC., Philadelphia, Pa. Filed Jan. 10, 1927.

Glen-Royal Fifth Avenue HATS MADE IN PHILADELPHIA

Applicant disclaims any right to the exclusive use of the words "Hats Made in Philadelphia."

Particular description of goods.—Men's Hats.

Claims use since July, 1924.

Ser. No. 242,660. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Jan. 11, 1927.

QUALITY AVENUE
WITH ITS ALWAYS REASONABLE PRICES

Applicant disclaims the right to the exclusive use of the phrase "With Its Always Reasonable Prices."

Particular description of goods.—Men's and Boys' Furnishings, Undergarments, and Clothing—Namely, House Coats, Waistcoats, Bath Robes, Smoking Robes, Smoking Jackets, Drawers, Pyjamas, Dress Shirts, Undershirts, Nightshirts, Sweat Shirts, Union Suits, Bathing Suits, Swimming Suits, Dressing Gowns, Sweaters, Scarfs, Mufflers, Collars, Gloves, Hosiery, Overcoats, Raincoats, Dress Suits, Golf Suits, Hunting Suits, Riding Suits, Tuxedo Suits, Walking Suits, Norfolk Suits, Sack Suits, Trousers, Blouses, Belts for Outside Wear, Ties, Garters, Suspenders, Lumberjacks, Knickerbockers, Hats, and Caps Made Out of Textile Material; and Gloves, Sweaters, Scarfs, Mufflers, Bathing Suits, Swimming Suits, Drawers, Undershirts, Hats, and Caps Made Out of Knitted Material; and for Women's, Girls', and Misses' Furnishings, Undergarments, and Clothing—Namely, Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Golf Suits, Riding Suits, Outer Skirts, Scarfs, Nightgowns, Petticoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Gloves, Bathing Suits, Swimming Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Rain Capes, Sport Coats, Blazer Coats, Hats, Caps, Capes, Coats, Blouses, Jumpers, Knickerbockers, Kimonos, Lounging Robes, Bathing Capes, Bathing Hats, Brassières, Step-Ins, Bloomers, Pyjamas, Costume Slips, Shirts, Shawls, Collars, Cuffs, Belts for Outside Wear, Riding Habits, Riding Breeches, Smocks, Middy Blouses, Ostrich Boas; Nurses' Coats, Capes, and Bonnets Made Out of Textile Material; and Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Golf Suits, Riding Suits, Outer Skirts, Shirts, Nightgowns, Petticoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Swimming Suits, Bathing Capes, Bathing Hats, Dressing Gowns, Sweaters, Mufflers, Hosiery, Sport Coats, Blazer Coats, Hats, Caps, Capes, Coats, Blouses, Jumpers, Knickerbockers, Kimonos, Lounging Robes, Brassières, Step-Ins, Bloomers, Pyjamas, Costume Slips, Shawls, Collars, Cuffs, Belts for Outside Wear, Riding Habits, Riding Breeches, Smocks, Middy Blouses, Scarfs, Gloves; Nurses' Coats, Capes, and Bonnets Made Out of Knitted Material; and for Infants' Furnishings, Undergarments, and Clothing—Namely, Rompers, Caps, Shirt Bands, Sacks, Wrappers, Bootees, Underwear, Coats, Dresses, Bath Robes, and Sweaters Made Out of Textile Material; and Rompers, Caps, Shirt Bands, Sacks, Wrappers, Bootees, Underwear, Coats, Dresses, Bath Robes, and Sweaters Made Out of Knitted Material; and for Men's, Women's, Boys', and Girls' Suede Jackets, Leather Coats, Shoes, Boots, Slippers, Leggings, Puttles Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials; and for Infants' Bootees and Shoes Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition or Similar Materials.

Claims use since Nov. 1, 1926.

Ser. No. 242,826. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ELITE CATERING COMPANY, Los Angeles, Calif. Filed Jan. 14, 1927.



Particular description of goods—Nonalcoholic, Maltless Beverages Sold as Soft Drinks; Concentrates, Sirups, and Extracts for Making the Same; and Mineral Water.

Claims use since Jan. 1, 1917.

Ser. No. 242,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARD H. KARMEN, doing business as Hawaiian Coffee Planters, Honolulu, Territory of Hawaii, assignor to Hawaiian Packing Company Ltd., Hilo, Territory of Hawaii. Filed Jan. 17, 1927.

TAPA

Particular description of goods.—Coffee.

Claims use since Oct. 1, 1926.

Ser. No. 243,083. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France. Filed Jan. 20, 1927.

SÉTHOS

Particular description of goods.—Signal Devices in the Nature of Sound-Producing Apparatus of the Vibratory Type Operated by Pneumatic Means and Parts Thereof.

Claims use since about December, 1913.

Ser. No. 243,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIROTO, PERFUMER, New York, N. Y. Filed Jan. 21, 1927.

GIGOLO

Particular description of goods.—Cosmetics and Toilet Preparations—Namely, Perfumes, Face Talcum, Sachet Powders, Toilet and Astringent Waters, Face Rouge and Lip Rouge, Cold Cream, Face and Hand Lotions and Pomades for Application to the Skin, Dentifrices, Depilatory, Nail Preparations, Shampoo, Eyebrow Pencils, Hair Tonics, Bath Salts, Smelling Salts, and Brilliantine.

Claims use since September, 1924.

Ser. No. 243,334. (CLASS 12. CONSTRUCTION MATERIALS.) WESTERN PINE MANUFACTURERS ASSOCIATION, Portland, Oreg. Filed Jan. 25, 1927.

Pondosa Pine
The Pick o'the Pines

No registration rights are claimed in the words "Pine" and "The Pick o' the Pines" except in association with the other features of the mark as shown in the drawing.

Particular description of goods.—Lumber, Woodwork, and Lath.

Claims use since Dec. 20, 1924.

Ser. No. 243,353. (CLASS 39. CLOTHING.) ETABLISSEMENTS PAUL OLMER & CIE., Paris, France. Filed Jan. 26, 1927.

OLMA

Particular description of goods.—Neckties.

Claims use since Dec. 31, 1926.

Ser. No. 243,397. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUNLAND LABORATORIES INC., Los Angeles, Calif. Filed Jan. 26, 1927.

BOMBS

Particular description of goods.—A Deodorant for the Feet, Bath Salts, and a Vaginal or Rectal Injection.

Claims use since Nov. 1, 1926.

Ser. No. 243,518. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SOTIR ZAROFF, St. Louis, Mo. Filed Jan. 28, 1927.

"CLOVETTE"
Syrup of Cloves
SOTIR ZAROFF, PROP.
ST. LOUIS, MO.

All words appearing on the drawing except the word "Clovette" are disclaimed.

Particular description of goods.—Nonalcoholic, Maltless Sirup Sold as a Soft Drink.

Claims use since June 1, 1926.

Ser. No. 243,912. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed Feb. 5, 1927.

RHODA CREPE

No rights are asserted to the exclusive use of the word "Crepe" apart from the trade-mark shown in the drawing.

Particular description of goods.—Silk Piece Goods.

Claims use since Jan. 15, 1927.

Ser. No. 243,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MABEL S. LOEWENTHAL, Chicago, Ill. Filed Feb. 7, 1927.

MA BELLE
PARIS CHICAGO

The words "Paris" and "Chicago" are disclaimed.
Particular description of goods.—Face Creams, Reducing Creams, Rouges, Brilliantines, Face Powders, Depilatories, Bath Salts, and Powder Base.
Claims use since May 15, 1926.

Ser. No. 244,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP LEVIN, doing business as The Katex Company, New York, N. Y. Filed Feb. 8, 1927.

KATEX

Particular description of goods.—Antiseptic Powders.
Claims use since March, 1926.

Ser. No. 244,035. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md. Filed Feb. 8, 1927.



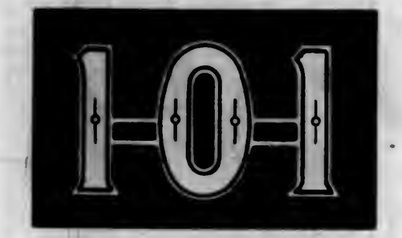
The trade-mark consists in coloring the end portions of the handles of the tools and utensils white nd a blue-colored band intermediate said end portions. The lining in the drawing indicates the blue-colored band and the unlined portions indicate the white. No claim is made herein to the representation of a handle per se.
Particular description of goods.—Kitchen Utensils—Namely, Tea and Coffee Strainers, Soup Strainers, and Jelly Strainers.
Claims use since Feb. 1, 1927.

Ser. No. 244,119. (CLASS 1b. OILS AND GREASES.) WALTER & CO., Rio De Janeiro, Brazil. Filed Feb. 9, 1927.

"DOMINOIL"
O OLEO QUE DOMINA O ATTRICTO

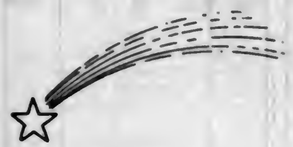
The last syllable of the coined word—viz, "Oil"—is disclaimed apart from the mark shown in the drawing. The translation of the words "Ooleo Que Domina O Attricto" into English is "The Oil That Dominates Friction." This phrase is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Lubricating Oils of Petroleum Basis.
Claims use since Nov. 3, 1926.

Ser. No. 244,138. (CLASS 15. OILS AND GREASES.) WALTER J. CONNOR, doing business as 1-0-1 Manufacturing Company, Minneapolis, Minn. Filed Feb. 10, 1927.



Particular description of goods.—Lubricating Oils and Greases—Namely, Penetrating Graphite and Spring Oil.
Claims use since on or about Jan. 15, 1926.

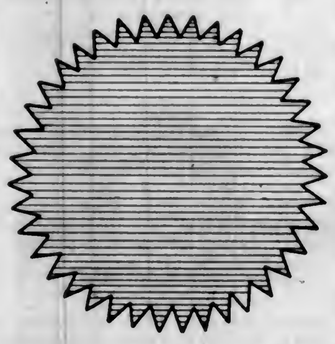
Ser. No. 244,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELICE SACCO, Philadelphia, Pa. Filed Feb. 10, 1927.



SA-VE-DEN-TI
Felice Sacco

The name "Felice Sacco" is autograph of applicant.
Particular description of goods.—Tooth Preservative.
Claims use since November, 1926.

Ser. No. 244,206. (CLASS 12. CONSTRUCTION MATERIALS.) ATLANTIC GYPSUM PRODUCTS COMPANY, Boston, Mass. Filed Feb. 11, 1927.



The lining on the drawing indicates the color blue.
Particular description of goods.—Neat Cement Plaster.
Claims use since 1913.

Ser. No. 244,246. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) SAMUEL H. STONE, doing business as Economy Malt Company, Akron, Ohio. Filed Feb. 11, 1927.



The words "Malt Syrup" are disclaimed apart from the mark as shown.
Particular description of goods.—Malt Sirup.
Claims use since Jan. 5, 1927.

Ser. No. 244,252. (CLASS 37. PAPER AND STATIONERY.) VEREINIGTE FARBEN- & LACKFABRIKEN, Munich, Germany. Filed Feb. 11, 1927.

Flamuco

Particular description of goods.—Colored and Pastel Crayons in Pieces and Rods.
Claims use since Aug. 13, 1909.

Ser. No. 244,310. (CLASS 39. CLOTHING.) S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Feb. 12, 1927.



Particular description of goods.—Wearing Apparel—Namely, Dress Shirts, Negligee Shirts, Blouses, Boys' Shirts, and Pyjamas.
Claims use since Jan. 5, 1927.

Ser. No. 244,312. (CLASS 15. OILS AND GREASES.) NATIONAL OIL CO., Philadelphia, Pa. Filed Feb. 12, 1927.



Use of the word "Oil" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Lubricating Oil.
Claims use since Oct. 26, 1926.

Ser. No. 244,397. (CLASS 12. CONSTRUCTION MATERIALS.) W. E. DUNN MANUFACTURING CO., Holland, Mich. Filed Feb. 15, 1927.



The exclusive use of the words "Mat Glazing Material" apart from the mark is disclaimed.
Particular description of goods.—Glazing Material for Use in Coating the Surface of Bricks, Building Blocks, and Analogous Objects.
Claims use since Jan. 8, 1927.

Ser. No. 244,416. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STORFER LABORATORIES INC., New York, N. Y. Filed Feb. 15, 1927.

BATHAROMA

Particular description of goods.—Bath Salts.
Claims use since about March, 1926.

Ser. No. 244,458. (CLASS 39. CLOTHING.) THE MEL REESE CO. INC., New York, N. Y. Filed Feb. 16, 1927.

MEL REESE
MANHATTAN
IST
"Showerproof"

Applicant makes no claim to the exclusive use of the word "Showerproof" nor to the name "Mel Reese" apart from the mark as shown in the drawing.

Particular description of goods.—Men's Wearing Apparel—Namely, Coats and Suits.

Claims use since Jan. 5, 1926.

Ser. No. 244,566. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MUELLER CO., Decatur, Ill. Filed Feb. 18, 1927.

H
M

Particular description of goods.—Valves and Cocks.

Claims use since on or about Oct. 1, 1900.

Ser. No. 244,567. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MUELLER CO., Decatur, Ill. Filed Feb. 18, 1927.

H◇M

Particular description of goods.—Valves and Faucets.

Claims use since on or about May 1, 1890.

Ser. No. 244,601. (CLASS 27. HOROLOGICAL INSTRUMENTS.) S. BRUNER INC., New York, N. Y. Filed Feb. 19, 1927.



The cross lining upon the bands radiating from the representation of a watch and upon the word "Brunvil" indicate shading only and not color. No claim is made for the words "The Last Word in Watch Standardization" nor to the representation of a watch apart from the mark shown in the drawing.

Particular description of goods.—Watches.

Claims use since about Feb. 15, 1927.

Ser. No. 244,616. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES PARFUMS DE ROSINE, INC., New York, N. Y. Filed Feb. 19, 1927.



No claim is made to the words "Parfum de Rosine" or to the representations of bottles, containers, or cartons apart from the mark as shown on the drawing.

Particular description of goods.—Toilet Articles—Namely, Face Powder, Talcum Powder, and Toilet Powder.

Claims use since March, 1925.

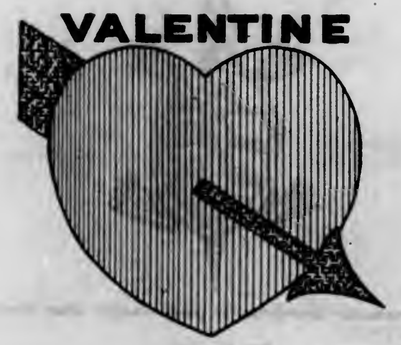
Ser. No. 244,686. (CLASS 39. CLOTHING.) SAMUEL H. FRIEDMAN, doing business as The Standard Raincoat Co., Boston, Mass. Filed Feb. 21, 1927.

VENTICOAT

Particular description of goods.—Rubberized and Waterproof Raincoats and Overcoats.

Claims use since Nov. 1, 1926.

Ser. No. 244,804. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALENTINE FRUIT CO., Anaheim, Calif. Filed Feb. 23, 1927.



The drawing is lined to indicate the colors red and gold.

Particular description of goods.—Fresh Citrous Fruits.

Claims use since Apr. 1, 1926.

Ser. No. 244,819. (CLASS 2. RECEPTACLES.) DU PONT VISCOLOID COMPANY, New York, N. Y. Filed Feb. 24, 1927.

PYRALIN
SHERATON

No claim is made to the word "Sheraton" apart from the mark shown.

Particular description of goods.—Toilet Articles Made from a Pyroxylin Plastic Analogous to Celluloid, Xylonite, and Zylonite, Comprising Containers for Jewels, Pins, Puffs, Talcum Powder, Tooth Paste, Toothbrushes, Hair Receivers, Brush Boxes, Bud Vases, Hatpin Holders, and Receptacles for Perfume Bottles.

Claims use since Dec. 10, 1926.

Ser. No. 245,044. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. G. BLOCK COMPANY, Davenport, Iowa. Filed Mar. 1, 1927.

YELLOW JACK
B·G

Particular description of goods.—Coal.

Claims use since Feb. 21, 1926.

Ser. No. 245,114. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALICE H. SPARE, Philadelphia, Pa. Filed Mar. 2, 1927.



No claim is made to the words "Eczema Salve" apart from the mark shown.

Particular description of goods.—Salve for Eczema and Kindred Skin Diseases.

Claims use since Feb. 8, 1927.

Ser. No. 245,132. (CLASS 12. CONSTRUCTION MATERIALS.) AKTIESELSKABET AALBORG PORTLAND-CEMENT FABRIK, Rørdal Pr. Aalborg, Parish of Norre Tranders, County of Aalborg, Jutland, Denmark. Filed Mar. 3, 1927.



Particular description of goods.—Cement for Use in Concrete Construction.

Claims use since Dec. 10, 1926.

Ser. No. 245,174. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WEL-EVER PISTON RING CO., Toledo, Ohio. Filed Mar. 3, 1927.

FLEXO

Particular description of goods.—Piston Rings.
Claims use since Apr. 30, 1926.

Ser. No. 245,198. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 4, 1927.

Indra

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 3, 1927.

Ser. No. 245,203. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 4, 1927.

Starella

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 3, 1927.

Ser. No. 245,205. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 4, 1927.

Turkessa

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 3, 1927.

Ser. No. 245,240. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ALPENA LEATHER CORPORATION, Alpena, Mich. Filed Mar. 5, 1927.

RITE-LEFT

Particular description of goods.—Leather for Shoe Soles.
Claims use since July, 1926.

Ser. No. 245,306. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TEDDY TINTS, INC., Camden, N. J. Filed Mar. 5, 1927.

TEDDY TINTS

No claim is made to the descriptive word "Tints" apart from the mark shown in the drawing.
Particular description of goods.—Dyes of Various Colors Used for Dyeing Fabrics.
Claims use since Jan. 12, 1927.

Ser. No. 245,382. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TOR-TIS COMPANY INCORPORATED, Detroit, Mich. Filed Mar. 7, 1927.



Particular description of goods.—Liquid Shoe Cleaner and Polish.
Claims use since Feb. 15, 1927.

Ser. No. 245,397. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE ANDREW JERGENS COMPANY, Cincinnati, Ohio. Filed Mar. 8, 1927.

TRESSETTE

Particular description of goods.—Elastic Bands, Generally of Rubber, to Hold Hair Out of Face While Washing or Otherwise Treating the Face.
Claims use since Feb. 21, 1927.

Ser. No. 245,431. (CLASS 12. CONSTRUCTION MATERIALS.) E. S. EVANS & CO. INC., Detroit, Mich. Filed Mar. 9, 1927.

EVANITE

Particular description of goods.—Waterproofed Lumber.
Claims use since Jan. 1, 1927.

Ser. No. 245,473. (CLASS 39. CLOTHING.) CHAUSSURES BALLY SOCIÉTÉ ANONYME DE FABRICATION, Schoenenwerd, Switzerland. Filed Mar. 10, 1927.

"Bally"

Particular description of goods.—Boots, Shoes, Sandals, Moccasins, and Bath Slippers Made of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Oct. 31, 1907.

Ser. No. 245,501. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEBANON MILL COMPANY, Pawtucket, R. I. Filed Mar. 10, 1927.

Fleuray

"Fleuray."
Particular description of goods.—Knitted Fabrics of Cotton, Wool, or Combinations of These Materials.
Claims use since Dec. 15, 1926.

Ser. No. 245,534. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CONSUMERS COMPANY, Chicago, Ill. Filed Mar. 11, 1927.

HUSTLER

Particular description of goods.—Coal.
Claims use since January, 1906.

Ser. No. 245,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEMITRIOS F. KALOGERAKOS, New York, N. Y. Filed Mar. 11, 1927.

Can Cardos



Particular description of goods.—Medicine for Deafness.
Claims use since February, 1927.

Ser. No. 245,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEMITRA D. KALOGERAKOU, New York, N. Y. Filed Mar. 11, 1927.

Demitra



Particular description of goods.—Medicine for Rheumatism.
Claims use since February, 1927.

Ser. No. 245,610. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BÁNSKÁ-A-HUTNÍ SPOLEČNOST, Brunn, Czechoslovakia. Filed Mar. 12, 1927.



Particular description of goods.—Wire Nails, Wire Netting Mesh, and Grids, Chains, Ships' Chains, Chain Links, and Chain Parts.
Claims use since 1920.

Ser. No. 245,611. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BÁNSKÁ-A-HUTNÍ SPOLEČNOST, Brunn, Czechoslovakia. Filed Mar. 12, 1927.



Particular description of goods.—Wire Nails, Wire Netting Mesh, and Grids, Chains, Ships' Chains, Chain Links, and Chain Parts.
Claims use since 1920.

Ser. No. 245,621. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DISHWASHETTE CORPORATION, New York, N. Y. Filed Mar. 12, 1927.

Dishwashette

Particular description of goods.—Dishwashing Apparatus.
Claims use since about middle of September, 1926.

Ser. No. 245,661. (CLASS 17. TOBACCO PRODUCTS.) RUDOLPH SCHWARTZ, doing business as Rudolfo Cigar Co. and R. Schwartz Co., San Francisco, Calif. Filed Mar. 12, 1927.

RUDOLFO

Particular description of goods.—Cigars and Cigarettes.
Claims use since 1896.

Ser. No. 245,678. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WILCOX-HAYES CO., Portland, Oreg. Filed Mar. 12, 1927.



Particular description of goods.—Canned Fruits and Berries, Peanuts, Wheat Flour, and Dried Fruits.
Claims use since June 1, 1926.

Ser. No. 245,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADAMS AND SONS GROCER COMPANY, Chillicothe, Mo. Filed Mar. 14, 1927.

DIAMOND A



Particular description of goods.—Canned Spinach, Canned Sliced Pineapple, Canned Crushed Pineapple, Chile Con Carne, Mustard, Olives, Sweet Pickles, Chili Sauce, Cocoa, Tea, Catchup, Vinegar, Mayonnaise Dressing, Thousand Island Dressing, and Sandwich Spread Composed of a Mayonnaise Base with Sweet Pickle Relish.
Claims use since July, 1897.

Ser. No. 245,721. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAM L. KANN, Pittsburgh, Pa. Filed Mar. 14, 1927.

KWATTA

Particular description of goods.—Logs.
Claims use since May, 1922.

Ser. No. 245,734. (CLASS 38. PRINTS AND PUBLICATIONS.) THE LITERARY GUILD OF AMERICA, INC., New York, N. Y. Filed Mar. 14, 1927.

Wings

Particular description of goods.—Periodical Publication.
Claims use since Jan. 15, 1927.

Ser. No. 245,737. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 14, 1927.

SUPRE-MACY

Particular description of goods.—Cotton Yard Goods in the Piece.
Claims use since Feb. 7, 1927.

Ser. No. 245,747. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEERLESS LIGHT CO., Chicago, Ill. Filed Mar. 14, 1927.



Particular description of goods.—Electric-Lighting Fixtures and Portable Table and Floor Lamps. Also Radio Lamp Speakers.
Claims use since February, 1919.

Ser. No. 245,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH S. AUERBACH, doing business as D. Auerbach & Sons, New York, N. Y. Filed Mar. 16, 1927.



The lining on the drawing is intended to indicate the colors blue and red.
Particular description of goods.—Candles.
Claims use since January, 1902.

Ser. No. 245,860. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PI KAPPA PHI FRATERNITY, Charleston, S. C. Filed Mar. 16, 1927.

ΠΚΦ

The trade-mark consists of the Greek letters "Π Κ Φ." The exclusive use of the scroll on which these letters are shown is disclaimed except in connection with the trade-mark as shown.
Particular description of goods.—Fraternity Pins, Badges, Lapel Buttons, Cuff Links, Tie Clasps, Charms, Finger Rings, and Belt Buckles, All Made of or Plated with Precious Metal.
Claims use since Apr. 22, 1905.

Ser. No. 245,870. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TARRANT COMPANY, New York, N. Y. Filed Mar. 16, 1927. Under 10-year proviso.



Particular description of goods.—Medicinal Preparation for Dyspepsia, Indigestion, Constipation, Catarrh of the Stomach, Flatulency, and Diarrhea.
Claims use since 1877.

Ser. No. 245,898. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JOSEPH F. DENEND, doing business as Wurzenburg Malt Extract Co., Chicago, Ill. Filed Mar. 17, 1927.

WURZENBURG
BRAND
Malt Syrup

No claim is made to the words "Brand" and "Malt Syrup" apart from the mark shown.
Particular description of goods.—Malt Sirup.
Claims use since Mar. 8, 1927.

Ser. No. 245,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITALIAN GROCERS ASSOCIATION, Seattle, Wash. Filed Mar. 17, 1927.



The trade-mark consists of the word "Pellico," which appears on a ribbon, and a framed portrait of Silvio Pellico, deceased, an Italian patriot and statesman.
Particular description of goods.—Olive Oil.
Claims use since Feb. 23, 1927.

Ser. No. 245,923. (CLASS 39. CLOTHING.) BEN ROCKE, INC., New York, N. Y. Filed Mar. 17, 1927.

Ben Rocke
Sutton Square Clothes
BROADWAY AT FIFTIETH ST. NEW YORK

Applicant disclaims exclusive right to the words "Especially Designed," "Clothes," and "Broadway at 50th St., New York" apart from the mark shown.
Particular description of goods.—Men's Suits, Overcoats, Tuxedos, Full-Dress Suits, Sport Suits, Golf Suits, Smoking Jackets, and Bath Robes.
Claims use since Feb. 8, 1927.

Ser. No. 245,966. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 18, 1927.

CABARET

Particular description of goods.—Perfumes and Perfume Sachets, Rouge, Lip Sticks, Face Powder, Toilet Cream, Toilet Water, Powder and Rouge Compacts, Eyebrow Pencils, Bath Salts, and Brilliantine.
Claims use since Jan. 12, 1926.

Ser. No. 245,971. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 18, 1927.

SENORITA

Particular description of goods.—Perfumes and Perfume Sachets, Rouge, Lip Sticks, Face Powder, Toilet Cream, Toilet Water, Powder and Rouge Compacts, Eyebrow Pencils, Bath Salts, and Brilliantine.
Claims use since Nov. 14, 1923.

Ser. No. 245,999. (CLASS 39. CLOTHING.) RELIABLE BELT CO., Chicago, Ill. Filed Mar. 18, 1927.

BLACK BOTTOM

Particular description of goods.—Belts in the Nature of Garment Supporters.
Claims use since Mar. 10, 1927.

Ser. No. 246,029. (CLASS 39. CLOTHING.) THE JULIAN GOLDMAN STORES, INC., New York, N. Y. Filed Mar. 19, 1927.



Particular description of goods.—Men's, Women's, and Children's Wearing Apparel Consisting of Suits, Overcoats, Coats, Trousers, Vests, Skirts, and Dresses.
Claims use since Feb. 15, 1927.

Ser. No. 246,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARK ELTON PALMER, Potosi, Mo. Filed Mar. 19, 1927.

Cinnquinol

Particular description of goods.—Dental Preparation for the Post-Operative Treatment of Pyorrhea and Gingivitis.
Claims use since Aug. 25, 1925.

Ser. No. 246,057. (CLASS 38. PRINTS AND PUBLICATIONS.) VILLA MORET, INC., San Francisco, Calif. Filed Mar. 19, 1927.



The words "Music Publishers, Kress Building, San Francisco" appearing in the drawing are hereby disclaimed apart from the mark shown.
Particular description of goods.—Sheet Music.
Claims use since Oct. 23, 1923.

Ser. No. 246,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LITTLE BROWN JUG, INC., Reading, Pa. Filed Mar. 21, 1927.

"FLY HOOTCH"
In
"The Little Brown Jug"

Particular description of goods.—Liquid Insecticides for Exterminating Insects, and Particularly Flies.
Claims use since Mar 1, 1927.

Ser. No. 246,143. (CLASS 37. PAPER AND STATIONERY.) ACE BRIDGE DIARY SYNDICATE, New York, N. Y. Filed Mar. 22, 1927.



No claim is made to the exclusive use of the words "Bridge Diary" apart from the mark as shown.
Particular description of goods.—Bridge Diary.
Claims use since Feb. 10, 1927.

Ser. No. 246,174. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NATIONAL POULTRY INSTITUTE, INC., Washington, D. C. Filed Mar. 22, 1927.

The NATIONAL POULTRY Journal

The lining on the word "Journal" on the trade-mark is for the purpose of shading.
Particular description of goods.—Monthly Poultry Publications.
Claims use since Mar. 1, 1925.

Ser. No. 246,184. (CLASS 38. PRINTS AND PUBLICATIONS.) VILLA MORET, INC., San Francisco, Calif. Filed Mar. 22, 1927.



The words "Songs of the Day" appearing in the drawing are hereby disclaimed apart from the mark shown.
Particular description of goods.—Sheet Music.
Claims use since Oct. 23, 1923.

Ser. No. 246,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIS G. JEFFERSON, Parker Head, Me. Filed Mar. 23, 1927.



No claim is made to the word "Powders" apart from the mark shown in the drawing.
Particular description of goods.—Medicinal Powders to be Taken Internally for Rheumatism.
Claims use since June, 1906.

Ser. No. 246,231. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ST. PAUL BOTTLING COMPANY, St. Paul, Minn. Filed Mar. 23, 1927.

Rin Rickey

Applicant disclaims exclusive right to the use of the word "Rickey" except as used in the combination "Rin Rickey." Trade-mark consists in the words "Rin Rickey."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Jan. 10, 1927.

Ser. No. 246,240. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) D. A. TURCHI SONS, Philadelphia, Pa. Filed Mar. 23, 1927.



Applicants disclaim the words "Turchi's Refreshing Beverage" apart from the mark shown in the drawing.
Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Mar. 1, 1916.

Ser. No. 246,241. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) D. A. TURCHI SONS, Philadelphia, Pa. Filed Mar. 23, 1927.



Applicants disclaim the words "Turchi's Refreshing Beverage" apart from the mark shown in the drawing.
Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Mar. 1, 1920.

Ser. No. 246,246. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES QUARRY TILE CO., East Sparta, Ohio. Filed Mar. 23, 1927.

ROMANY BROWN

No claim is made to the word "Brown" apart from the mark as shown.

Particular description of goods.—Quarry Tile.

Claims use since Jan. 26, 1927.

Ser. No. 246,247. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES QUARRY TILE CO., East Sparta, Ohio. Filed Mar. 23, 1927.

ROMANY RED

No claim is made to the word "Red" apart from the mark shown.

Particular description of goods—Quarry Tile.

Claims use since Jan. 26, 1927.

Ser. No. 246,248. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES QUARRY TILE CO., East Sparta, Ohio. Filed Mar. 23, 1927.

ROMANY GREY

No claim is made to the word "Grey" apart from the mark shown.

Particular description of goods—Quarry Tile.

Claims use since Jan. 26, 1927.

Ser. No. 246,250. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) VULCAN MATCH CO., INC., New York, N. Y. Filed Mar. 23, 1927.



No claim is made to the exclusive use of the words "Safety Matches Made in Sweden" apart from the mark shown in the drawing.

Particular description of goods.—Safety Matches.

Claims use since Feb. 8, 1927.

Ser. No. 246,251. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) VULCAN MATCH CO., INC., New York, N. Y. Filed Mar. 23, 1927.



No claim is made to the exclusive use of the words "Safety Matches Made in Sweden" apart from the mark shown in the drawing.

Particular description of goods.—Safety Matches.

Claims use since Feb. 3, 1927.

Ser. No. 246,261. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ALMA MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed Mar. 24, 1927.

ECONOMY

Applicant owns Registration No. 47,355.

Particular description of goods.—Fasteners for the Waistbands of Trousers.

Claims use since about February, 1903.

Ser. No. 246,303. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MOND STAFFORDSHIRE REFINING COMPANY LIMITED, London, England. Filed Mar. 24, 1927.

MONSOL

Particular description of goods.—Medicinal, Veterinary, and Sanitary Disinfectants and Germicides.

Claims use since Jan. 29, 1925.

Ser. No. 246,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. SLOAN, Kerns, Tex. Filed Mar. 24, 1927.



Particular description of goods.—Preparation for Use in the Treatment of Tuberculosis.

Claims use since Mar. 10, 1927.

Ser. No. 246,367. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Mar. 25, 1927.

THE GO-GETTER

Particular description of goods.—Automobiles.

Claims use since Mar. 18, 1927.

Ser. No. 246,368. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Mar. 25, 1927.

DICTATOR

Particular description of goods.—Automobiles.

Claims use since Mar. 22, 1927.

Ser. No. 246,393. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CONSOLIDATED FUEL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1927.

ELSIE

Particular description of goods.—Coal.

Claims use since Apr. 1, 1920.

Ser. No. 246,400. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ROY GOODWIN, doing business as Consolidated Beverage Producers, Wilmette, Ill. Filed Mar. 26, 1927.



The drawing is lined for red and green. The mark consists of the words "Tip-2-Lip."

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Fruit-Juice Flavors for Making the Same.

Claims use since Feb. 25, 1927.

Ser. No. 246,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM G. RIDGEWAY, Los Angeles, Calif. Filed Mar. 26, 1927.



Particular description of goods.—Coffee Substitute.

Claims use since Mar. 21, 1927.

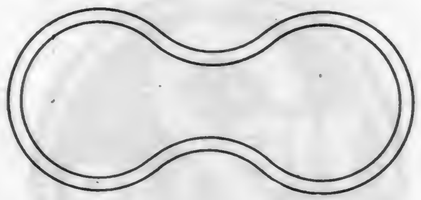
Ser. No. 246,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRAVELLO CHEMICAL & SUPPLY COMPANY, Westfield, Mass. Filed Mar. 26, 1927.

TRAVELLO

Particular description of goods.—Cases or Kits Containing Medicine for Dyspepsia and Indigestion, Headache and Neuralgia, Constipation and Laxative, Diarrhea and Summer Complaint, Colds, Grippe, and Fevers, and Eye Wash, Antiseptic and Germicidal Tablets, and Smelling Salts.

Claims use since Nov. 1, 1926.

Ser. No. 246,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAINPATCH, INCORPORATED, East Orange, N. J. Filed Mar. 28, 1927.



Particular description of goods.—Medicated Plasters for Aches, Pains, and Bruises.
Claims use since Aug. 12, 1925.

Ser. No. 246,509. (CLASS 32. FURNITURE AND UPHOLSTERY.) HENRY SCHIFF, San Francisco, Calif. Filed Mar. 28, 1927.

Champion

Particular description of goods.—Upholstered Furniture Consisting of the Following Articles of Manufacture: Upholstered Chesterfield Sets Including Settees, Rocking-Chairs, Straight Chairs, Wing Chairs, Footstools, and Lounges, Davenports, and Davenport Beds.
Claims use since March, 1926.

Ser. No. 246,511. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Mar. 28, 1927.

THE CADET

Particular description of goods.—Automobiles.
Claims use since Mar. 23, 1927.

Ser. No. 246,521. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOHANN H. WACHTER, New York, N. Y. Filed Mar. 28, 1927.

ART-KRAFT

Particular description of goods.—Patterns for Producing Lacework.
Claims use since about Jan. 1, 1925.

Ser. No. 246,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUGUSTUS N. APGAR, Miami, Fla. Filed Mar. 29, 1927.

Don't scratch! use APGAR'S ITCH MEDICINE



The words "Itch Medicine" are disclaimed apart from the mark as shown on the drawing, being descriptive and not capable of exclusive appropriation.
Particular description of goods.—Itch Medicine.
Claims use since Mar. 1, 1927.

Ser. No. 246,546. (CLASS 33. GLASSWARE.) GLEASON-TIEBOUT GLASS COMPANY, Brooklyn, N. Y. Filed Mar. 29, 1927.

CELESTIALITE

While the drawing is lined to indicate orange and blue, applicant does not claim any particular color or colors for its trade-mark.
Particular description of goods.—Glassware Used for Electric-Lighting Purposes—Viz, Electric Shades, Reflectors, Open-Top Bowls, Inclosing Globes, Flat Sheets, and Panels.
Claims use since Jan. 1, 1927.

Ser. No. 246,549. (CLASS 39. CLOTHING.) HASPEL BROTHERS, INC., New Orleans, La. Filed Mar. 29, 1927.

McM-1 McINDERRY SHRUNK

No claim is made to the word "Shrunk" apart from the mark as shown in the drawing.
Particular description of goods.—Men's Coats, Pants, Pyjama Suits, Dress, Negligee, and Work Shirts, Underwear Made from Knitted or Textile Fabric, and Jackets.
Claims use since Mar. 1, 1927.

Ser. No. 246,570. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROBERTI BROS., Los Angeles, Calif. Filed Mar. 29, 1927.

SANOWEB

Particular description of goods.—Davenports, Bed Davenports, Chairs, and Rocking-Chairs Suitable for Household or Office Use.
Claims use since Feb. 22, 1927.

Ser. No. 246,602. (CLASS 39. CLOTHING.) THE FAMOUS, Braddock, Pa. Filed Mar. 30, 1927.

La Verne

Applicant owns registration No. 145,661.
Particular description of goods.—Hosiery and Shoes Made of Leather, Rubber, or Fabric or Any Combinations Thereof.
Claims use since Jan. 1, 1908.

Ser. No. 246,606. (CLASS 15. OILS AND GREASES.) FORD MOTOR COMPANY, Detroit, Mich. Filed Mar. 30, 1927. Under section 5b of the act of 1905 as amended in 1920.

Ford

Particular description of goods.—Lubricating Oils.
Claims use since Aug. 14, 1925.

Ser. No. 246,610. (CLASS 37. PAPER AND STATIONERY.) HARTLINE BLOTTER PEN CO., INC., Tampa, Fla. Filed Mar. 30, 1927.



No claim is made to the representation of a fountain pen apart from the mark shown in the drawing, and no claim is made to the words "Self Blotting Pen Patented" apart from the mark shown.
Particular description of goods.—Fountain Pen, Roller Blotters, and Fountain-Pen Parts.
Claims use since July, 1923.

Ser. No. 246,619. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MONADNOCK MILLS, Claremont, N. H. Filed Mar. 30, 1927.



Particular description of goods.—Bedspreads, Bedquilts, and Counterpanes of Cotton, Rayon, Silk, Wool, and Mixtures of Any of Said Fabrics, and for Drapery Fabrics and Piece Goods of Cotton, Rayon, Silk, Wool, and Mixtures of Any of Said Fibers.
Claims use since June, 1924.

Ser. No. 246,649. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WEBER ELECTRIC COMPANY, Schenectady, N. Y. Filed Mar. 30, 1927.

ASSOCIATION

Particular description of goods.—Sockets for Electric Lights and the Like.
Claims use since on or about Jan. 18, 1927.

Ser. No. 246,657. (CLASS, 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. & E. ATKINSON, LIMITED, London, England. Filed Mar. 31, 1927.



Particular description of goods.—Perfume.
Claims use since August, 1923.

Ser. No. 246,666. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 31, 1927.



The words "Rugged," "Fullcut," and "Dependable" do not form a part of the registration sought except in the particular arrangement and association in which they appear.

Particular description of goods.—High and Low Dress and Work Shoes and Boots for Men, Women, Misses, Boys, and Girls, Made of Leather, Fabric, and Rubber and Combinations of the Same.

Claims use since Nov. 17, 1926.

Ser. No. 246,669. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed Mar. 31, 1927.

GRAFO-RADIAL

The trade-mark consists of the words "Grafo-Radial."

Particular description of goods.—Phonographs, Phonographs Adapted for Combination with Radio Receiving Sets, Phonographs in Combination with Radio Receiving Sets, and Parts for Such Phonographs.

Claims use since on or about Feb. 14, 1927.

Ser. No. 246,670. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed Mar. 31, 1927.

GRAPHORADIAL

"Graphoradial."

Particular description of goods.—Phonographs, Phonographs Adapted for Combination with Radio Receiving Sets, Phonographs in Combination with Radio Receiving Sets, and Parts for Such Phonographs.

Claims use since on or about Feb. 14, 1927.

Ser. No. 246,671. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DOSHI TRADING CO. LTD., New York, N. Y. Filed Mar. 31, 1927.

HONANGEE

Particular description of goods.—Silk Piece Goods.

Claims use since Dec. 10, 1926

Ser. No. 246,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 31, 1927.

DU PONT

SEMESAN JR.

Particular description of goods.—Fungicide, Seed Disinfectant.

Claims use since Mar. 29, 1926.

Ser. No. 246,741. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CUDAHY PACKING CO., Chicago, Ill. Filed Apr. 1, 1927.

La Holandesa
Limpiador
Doméstico



The mark consists of the words "La Holandesa Limpiador Doméstico" associated with the representation of a woman attired in a short dress and wearing wooden shoes, an apron, and a hood, having one of her sleeves turned up and brandishing a stick, together with the words "Ahuyenta La Suciedad Deja Todo Brillante y Limpio."

Particular description of goods.—Soap Powder Combined with Mineral Ingredients.

Claims use since Apr. 12, 1924.

Ser. No. 246,743. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Apr. 1, 1927.

ERLETTE

Particular description of goods.—Radiotransformers, Radio Receiving Sets, Loud Speakers and Units, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.

Claims use since, Nov. 1, 1926.

Ser. No. 246,751. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOPESTON CANNING CO., Hoopeston, Ill. Filed Apr. 1, 1927.

ROSEMARY

Particular description of goods.—Canned Vegetables.

Claims use since July 20, 1911.

Ser. No. 246,753. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES J. JOHNSON, Seattle, Wash. Filed Apr. 1, 1927.

C. J. Johnson

The mark represented in the drawing is a facsimile signature of the applicant.

Particular description of goods.—Waterproof Dressing for Shoes.

Claims use since July 4, 1926.

Ser. No. 246,768. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OCALA FRUIT PACKING COMPANY, INC., Ocala, Fla. Filed Apr. 1, 1927.

Fort King

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Grapefruit, Tangerines, Lemons, and Limes.

Claims use since Nov. 16, 1926.

Ser. No. 246,772. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 1, 1927.

UX-171

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Mar. 1, 1926.

Ser. No. 246,774. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Apr. 1, 1927.

SPARKLE

Particular description of goods.—Nail Powder, Nail Polish (Paste), Nail White, Liquid Nail Polish, Cuticle Oil, and Preparation for Use as a Cuticle Remover.

Claims use since Mar. 24, 1927.

Ser. No. 246,784. (CLASS 38. PRINTS AND PUBLICATIONS.) THRILLING TALES, INC., New York, N. Y. Filed Apr. 1, 1927.

Thrilling Tales

Particular description of goods.—Monthly Publication.

Claims use since March, 1927.

Ser. No. 246,805. (CLASS 11. INKS AND INKING MATERIALS.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Apr. 2, 1927.

RITEX

Particular description of goods.—Writing Ink.

Claims use since Nov. 1, 1926.

Ser. No. 246,812. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) S. F. BOWSER & COMPANY, INC., Fort Wayne, Ind. Filed Apr. 2, 1927.

XACTO
METER

No claim being made to the word "Meter" apart from the mark shown in the drawing.

Particular description of goods.—Oil and Gasoline Meters.

Claims use since Feb. 21, 1927.

Ser. No. 246,823. (CLASS 39. CLOTHING.) DOROTHY DODD SHOE COMPANY, Boston, Mass. Filed Apr. 2, 1927.

Dorothy Dodd
Pedeo

Applicant owns registration Nos. 38,911, 45,859, 140,586, 214,908.

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made of Leather, Rubber, Felt, Silk, Cloth, or Other Fabric Construction.

Claims use since about Mar. 7, 1927.

Ser. No. 246,826. (CLASS 12. CONSTRUCTION MATERIALS.) THE FURMANITE CORPORATION, Newport News, Va. Filed Apr. 2, 1927.

FURMANITE

Particular description of goods.—Plastic Leak-Sealing Compound.

Claims use since Nov. 24, 1925.

Ser. No. 246,833. (CLASS 15. OILS AND GREASES.) THE GREAT WESTERN OIL COMPANY, Cleveland, Ohio. Filed Apr. 2, 1927.

PENNWAY

Particular description of goods.—Motor Oil.

Claims use since Nov. 25, 1926.

Ser. No. 246,838. (CLASS 39. CLOTHING.) LEVINE & SMITH, Boston, Mass. Filed Apr. 2, 1927.

THE KENMORE CAP

No claim is made to the word "Cap" which appears on the drawing. Trade-mark "Kenmore."

Particular description of goods.—Hats and Caps for Men, Boys, and Children.

Claims use since Jan. 8, 1927.

Ser. No. 246,841. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn. Filed Apr. 2, 1927.

Woodtone

Particular description of goods.—Automobile and Furniture Polish.

Claims use since Feb. 3, 1923.

Ser. No. 246,843. (CLASS 5. ADHESIVES.) FREDERICK H. NEWMAN, doing business as F. H. Newman & Co., Sherborn, Mass. Filed Apr. 2, 1927.

EZ-SEE-L

The vertical lining indicates red, and the horizontal lining indicates blue.

Particular description of goods.—Radiator Cement and Rubber Cement.

Claims use since Jan. 1, 1927.

Ser. No. 246,855. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SEYMOUR PACKING COMPANY, Topeka, Kans. Filed Apr. 2, 1927.

SEE ◆ MORE POULTRY FEEDS

Applicant disclaims the words "Poultry Feeds" apart from the mark shown in the drawing.

Particular description of goods.—Prepared Poultry Food.

Claims use since Mar. 28, 1927.

Ser. No. 246,866. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE WAYSIDE GARDENS CO., Mentor, Ohio. Filed Apr. 2, 1927.



Particular description of goods.—Hardy Plants, Lilies, Imported and Native Garden Bulbs, Shrubs, Trees, Roses, and Seeds.

Claims use since March, 1924.

Ser. No. 246,878. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. ARESCHBACH, S. A., Aarau, Switzerland. Filed Apr. 4, 1927.

Artofex

Particular description of goods.—Machines for Bakeries and Confectioneries, Particularly Kneading Machines and Machines for Mixing, and Parts of Such Machines.

Claims use since July 20, 1911.

Ser. No. 246,888. (CLASS 27. HOROLOGICAL INSTRUMENTS.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Apr. 4, 1927.

R.F.D.

Particular description of goods.—Clocks and Watches.

Claims use since Mar. 3, 1926.

Ser. No. 246,889. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CORNELIUS HEYL AKTIENGESELLSCHAFT, Worms-on-the-Rhine, Germany. Filed Apr. 4, 1927.

Opal Ango

Particular description of goods.—Lacquered Leather.

Claims use since August, 1926.

Ser. No. 246,925. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD COLONY BAKERY INC., Buffalo, N. Y. Filed Apr. 4, 1927.

OLD COLONY "Bakemasters"

The word "Bakemasters" separate and apart from the mark shown in the drawing does not form a part of the mark sought to be registered.

Particular description of goods.—Bread, Cakes, and Rolls.

Claims use since Dec. 15, 1926.

Ser. No. 246,933. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALPHONSE RICOULOT, New York, N. Y. Filed Apr. 4, 1927.

"Cycla"

Particular description of goods.—Hair Pomade.

Claims use since Mar. 1, 1927.

Ser. No. 246,937. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD INSULATION COMPANY, Rutherford, N. J. Filed Apr. 4, 1927.

AIRCOTE

Particular description of goods.—Automobile Top Dressing.

Claims use since about Jan. 1, 1926.

Ser. No. 246,946. (CLASS 37. PAPER AND STATIONERY.) CARL FISCHER, INC., New York, N. Y. Filed Apr. 4, 1927.

MONARCH BRAND

The word "Brand" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Manuscript-Music Paper.

Claims use since 1900.

Ser. No. 246,951. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL CITY PRODUCE COMPANY, Central City, Iowa. Filed Apr. 5, 1927.

NORTHERN IOWA MONOGRAM

No claim is made for the word "Iowa" apart from the mark as shown.

Particular description of goods.—Eggs and Dressed Poultry.

Claims use since October, 1924.

Ser. No. 246,964. (CLASS 39. CLOTHING.) LONG'S HAT STORES CORPORATION, New York, N. Y. Filed Apr. 5, 1927.

LONGVOGE

"Longvoge."

Particular description of goods.—Men's Hats.

Claims use since Mar. 1, 1927.

Ser. No. 246,970. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) O. MUSTAD & SØN, Oslo, Norway. Filed Apr. 5, 1927.

VIKING

Particular description of goods.—Fishhooks.
Claims use since September, 1925.

Ser. No. 246,995. (CLASS 20. LINOLEUM AND OILED CLOTH.) ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Filed Apr. 6, 1927.

Quaker

Particular description of goods.—Linoleum and Felt-Base Floor Coverings, Both Piece Goods and Rugs.
Claims use since Mar. 17, 1927.

Ser. No. 246,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. BAILEY, doing business as The Morlife Company, Cleveland, Ohio. Filed Apr. 6, 1927.

MORLIFE

Particular description of goods.—Storage-Battery Solution.
Claims use since Mar. 10, 1927.

Ser. No. 247,022. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN MONCRIEFF, LIMITED, Perth, Scotland. Filed Apr. 6, 1927.

JOHN MONCRIEFF LTD MAKERS PERTH MONAMEL GAUGE-GLASS

The words "Gauge-Glass, Perth, Makers" are disclaimed except as a part of the composite mark shown.
Particular description of goods.—Gauge Glass.
Claims use since Aug. 6, 1926.

Ser. No. 247,024. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KEEWAUGAN PRODUCTS CO. INC., North Chicago, Ill. Filed Apr. 6, 1927.

— Keepco —

Particular description of goods.—Liquid Cleaning Compound for Cleaning the Surface of Glass, Porcelain, Enamel, Etc., and Powdered Dry Cleaner.
Claims use since Oct. 15, 1926.

Ser. No. 247,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHROP & LYMAN CO., INC., Buffalo, N. Y. Filed Apr. 6, 1927.

Nalco Klearoids

Particular description of goods.—Antiseptic Throat Pellets.
Claims use since Mar. 9, 1927.

Ser. No. 247,039. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES W. POULSON & SONS CARPET CO. INC., New York, N. Y. Filed Apr. 6, 1927.

"The GOLDEN THREAD of QUALITY"

Registration of the word "Quality" is not sought except in association with the rest of the mark.
Particular description of goods.—Wool Carpets and Rugs.
Claims use since Mar. 15, 1927.

Ser. No. 247,042. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUGENAL CORPORATION, St. Louis, Mo. Filed Apr. 6, 1927.

RUGENAL

Particular description of goods.—Preparation for the Treatment of Rheumatism, Intended for Internal Use.
Claims use since about Feb. 1, 1927.

Ser. No. 247,050. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARE WOOLEN COMPANY, Ware, Mass. Filed Apr. 6, 1927.

FLEECE of the SHEEP WARE WOOLEN COMPANY

No claim is made to the words "Fleece of the Sheep" apart from the mark as shown in the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 23, 1927.

Ser. No. 247,059. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMORY, BROWNE & CO., New York, N. Y. Filed Apr. 7, 1927.

OSTRICANA

The mark consists of the word "Ostricana."
Particular description of goods.—Cotton Piece Goods—Vis, Sheetings, Shirtings, and Drills.
Claims use since May 1, 1906.

Ser. No. 247,067. (CLASS 39. CLOTHING.) CHURCHILL AND ALDEN COMPANY, Brockton, Mass. Filed Apr. 7, 1927.

THREE FLARES

Particular description of goods.—Shoes Made of Leather.
Claims use since Mar. 25, 1927.

Ser. No. 247,071. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CANEY FOSTER, doing business as Foster Chemical Company, Weldon, N. C. Filed Apr. 7, 1927.

GLO-WHITE

The word "White" appearing on the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Kid-Shoe Cleaner.
Claims use since Aug. 20, 1925.

Ser. No. 247,087. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KIENZLE UHRENFABRIKEN A.-G., Schwenningen-on-the-Neckar, Germany. Filed Apr. 7, 1927.

Taxaprint

Particular description of goods.—Fare Indicators Provided with Mechanism for Issuing Receipt Checks.
Claims use since Sept. 1, 1926.

Ser. No. 247,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN J. WHITTIER, Kansas City, Mo. Filed Apr. 7, 1927.

Heals-Var

Particular description of goods.—Preparation for Use in Treating Varicose Ulcers.
Claims use since about September, 1925.

Ser. No. 247,111. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Apr. 7, 1927.

STAYNLESS

"Staynless."
Particular description of goods.—Ammunition.
Claims use since Mar. 21, 1927.

Ser. No. 247,122. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CENTURY MACHINE COMPANY, Cincinnati and Oakley, Cincinnati, Ohio. Filed Apr. 8, 1927.

GIANT

Particular description of goods.—Bakers' Mixing Machines.
Claims use since Nov. 22, 1915.

Ser. No. 247,123. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CENTURY MACHINE COMPANY, Cincinnati and Oakley, Cincinnati, Ohio. Filed Apr. 8, 1927.

GIANT

Particular description of goods.—Bakers' Mixing and Tempering Machines.
Claims use since Aug. 29, 1924.

Ser. No. 247,124. (CLASS 31. FILTERS AND REFRIGERATORS.) HARRY S. CLEVELAND, doing business as Thorokold Refrigerator Co., Minneapolis, Minn. Filed Apr. 8, 1927.

THOROKOLD

Particular description of goods.—Refrigerators, Refrigerator Counters, Butcher Coolers.
Claims use since Jan. 31, 1927.

Ser. No. 247,135. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 8, 1927.

HEXACONES

Particular description of goods.—A Tablet of Hexamethylenamine Which When Lighted Burns. It is to be Used to Heat a Liquid in a Urine-Testing Outfit.
Claims use since Feb. 23, 1927.

Ser. No. 247,159. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y., and San Francisco, Calif. Filed Apr. 9, 1927. Under 10-year proviso.

SELBY

Particular description of goods.—Pig Lead, Calking Lead, and Bar Lead.
Claims use since 1865.

Ser. No. 247,164. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) DOMINIQUE BORDAGARAY, doing business as Golden Lion Distributing Co., San Francisco, Calif. Filed Apr. 9, 1927.

Yosemite

Particular description of goods.—Ginger Ale.
Claims use since Feb. 25, 1927.

Ser. No. 247,177. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 9, 1927.

YOUNGMODERNS

Particular description of goods.—Shoes Constructed of Leather, Rubber, and Fabric and Combinations of the Same.
Claims use since Apr. 10, 1925.

Ser. No. 247,183. (CLASS 38. PRINTS AND PUBLICATIONS.) DAVID GORDON, doing business as National News Review, Inc., Cleveland, Ohio. Filed Apr. 9, 1927.

THE NATIONAL NEWS-REVIEW

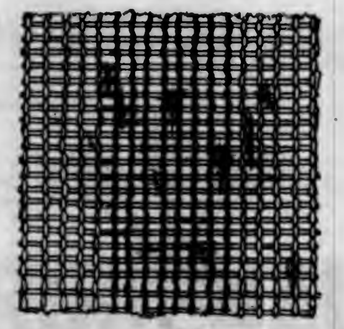
"The National News Review."
Particular description of goods.—Weekly Publication.
Claims use since on or about Mar. 20, 1927.

Ser. No. 247,205. (CLASS 38. PRINTS AND PUBLICATIONS.) SHERMAN A. PADDOCK, doing business as Country Club Magazine Pub. Co., Los Angeles, Calif. Filed Apr. 9, 1927.

The Country Club Magazine

"The Country Club Magazine." The word "Magazine" is disclaimed apart from the mark shown.
Particular description of goods.—Monthly Magazine.
Claims use since on or about September, 1921.

Ser. No. 247,208. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES W. POULSON & SONS CARPET CO., INC., New York, N. Y. Filed Apr. 9, 1927.



The mark consists of four red threads and two yellow threads on either side woven into the back of the goods.
Particular description of goods.—Wool Carpets and Rugs.
Claims use since February, 1925.

Ser. No. 247,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) K. D. C. COMPANY, LIMITED, New Glasgow, Canada. Filed Apr. 11, 1927.

K·D·C

Particular description of goods.—Medicines for Dyspepsia and Constipation.
Claims use since Jan. 1, 1890.

Ser. No. 247,292. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SIMPLEX SHOCK ABSORBER COMPANY, Sharon, Pa. Filed Apr. 11, 1927.

SIMPLEX

Particular description of goods.—Shock Absorbers.
Claims use since Jan. 15, 1927.

Ser. No. 247,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Apr. 12, 1927.

DIPDUST

Particular description of goods.—Plant Disinfectant.
Claims use since Sept. 30, 1926.

Ser. No. 247,312. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CASA ANCHORENA, INC., New York, N. Y. Filed Apr. 12, 1927.

ZAPATERO



Particular description of goods.—Shoe Nails and Shoe Tacks.
Claims use since or prior to Jan. 1, 1924.

Ser. No. 247,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES WILLIAM HOPPIE, Buffalo, N. Y. Filed Apr. 12, 1927.



Particular description of goods.—Face Creams, Face Powders, Toilet Water, Perfumes, and Skin Lotions.
Claims use since Jan. 1, 1923.

Ser. No. 247,359. (CLASS 39. CLOTHING.) CANNON MILLS, INC., New York, N. Y. Filed Apr. 13, 1927.

CANNONETTE

Particular description of goods.—Men's and Women's Hosiery.
Claims use since June 26, 1926.

Ser. No. 247,368. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARBY & COMPANY, INC., New York, N. Y. Filed Apr. 13, 1927.

STYLSET

The drawing is lined to indicate a red color.
Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hairdressings, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, and Sachets.
Claims use since Apr. 5, 1927.

Ser. No. 247,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DYNAMIC CHEMICAL & MINERAL COMPANY, Chicago, Ill. Filed Apr. 14, 1927.

EGG-NOG

Particular description of goods.—Shampoo.
Claims use since about Sept. 1, 1922.

Ser. No. 247,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIGER CANDY COMPANY, Indianapolis, Ind. Filed Apr. 14, 1927.

Bacon

Particular description of goods.—Candy.
Claims use since Mar. 20, 1927.

Ser. No. 247,460. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JEANNE DE M. BRUMBACK, White Plains, N. Y. Filed Apr. 15, 1927.

THE CHEERIO DOLL

Applicant disclaims the words "The" and "Doll" as they appear upon the drawing apart from the other features of the mark.
Particular description of goods.—Dolls.
Claims use since Apr. 1, 1927.

Ser. No. 247,484. (CLASS 7. CORDAGE.) MERCHANTS PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 15, 1927.

FIDELITY

"Fidelity."
Particular description of goods.—Manila and Sisal Rope and Manila and Sisal Binder Twine.
Claims use since Mar. 1, 1919.

Ser. No. 247,529. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERTE, INC., New York, N. Y. Filed Apr. 16, 1927.

DADA

Particular description of goods.—Perfumes, Body Lotions, and After-Shaving Lotions, Toilet Waters, Face Powders, Bath Powders, and Talcum Powders, and Rouge, Lip Sticks, Bath Salts, Face Creams, and Finishing Creams.
Claims use since Dec. 1, 1926.

Ser. No. 247,545. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 16, 1927.

What Do You Know?

Particular description of goods.—Newspaper Section.
Claims use since Mar. 28, 1927.

Ser. No. 247,550. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH S. LINDEMANN, New York, N. Y. Filed Apr. 16, 1927.

DeLinet

Particular description of goods.—Perfumes, Body Lotions, and After-Shaving Lotions, Toilet Waters, Face Powders, Bath Powders, and Talcum Powders, and Rouge, Lip Sticks, Bath Salts, Face Creams, and Finishing Creams.
Claims use since Dec. 1, 1921.

Ser. No. 247,596. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BUNDT LABORATORIES, Detroit, Mich. Filed Apr. 18, 1927.

Iodoqrin

Particular description of goods.—Medicine for Asthma and Hay Fever.
Claims use since Apr. 7, 1927.

Ser. No. 247,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINT-O-LAX, INC., Milwaukee, Wis. Filed Apr. 18, 1927.

MINT-O-LAX

"Mint" and "Lax" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Laxative Preparation.
Claims use since Apr. 9, 1927.

Ser. No. 247,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif. Filed Apr. 18, 1927.

CLEAR WATER

Particular description of goods.—Canned Fish and Smoked Fish.
Claims use since Mar. 1, 1927.

Ser. No. 247,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT VERLEY, INC., Chicago, Ill. Filed Apr. 19, 1927.

Tuberique

Particular description of goods.—Chemicals, Aldehydes, Alcohols, and Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since 1914.

Ser. No. 247,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT VERLEY, INC., Chicago, Ill. Filed Apr. 19, 1927.

Vetyverol

Particular description of goods.—Chemicals, Aldehydes, Alcohols, and Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since 1914.

Ser. No. 247,676. (CLASS 39. CLOTHING.) PHIL DRESSNER & CO., INC., New York, N. Y. Filed Apr. 19, 1927.

Elizabeth HATS

No registration rights are claimed in the word "Hats" except in association with the other features of the mark.
Particular description of goods.—Ladies' and Children's Hats.
Claims use since Feb. 2, 1925.

Ser. No. 247,677. (CLASS 37. PAPER AND STATIONERY.) NINA L. DURYEA, New York, N. Y. Filed Apr. 19, 1927.

SONA—CHAMA

Particular description of goods.—Fabric without Warp or Woof Whose Base is Cotton Mixed with a Chemical Compound.
Claims use since Mar. 16, 1927.

Ser. No. 247,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE FISHING COMPANY, Boston, Mass. Filed Apr. 20, 1927.



No claim is made to the word "Fish" and the pictorial representation of fish apart from the other features of the mark shown in the drawing.
Particular description of goods.—Haddock Fillets, Toasted Fillets, Fulton Fillets, Cod Fillets, Smoked-Fish Fillets, Sole Fillets, Finnan Haddie, Finnan-Haddie Fillets, Salt Codfish, Salt Haddock, Fish Flakes; Toasted Fish Flakes in Bulk, Wrapped, Canned, and Put Up in Glass Jars; Canned Clam Chowder, and Clams Both Fresh and Canned.
Claims use since Jan. 18, 1927.

Ser. No. 247,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATOIRE DE PHARMACOLOGIE, INC., New York, N. Y. Filed Apr. 20, 1927.

LAB-FAR

Particular description of goods.—Salol Compound, Santal Oil, Compound of Copaiba, Cubet, and Santal.
Claims use since Apr. 13, 1927.

Ser. No. 247,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 20, 1927.

Orygene

"Orygene."
Particular description of goods.—Mouth Wash Having Deodorant, Astringent, and Cleansing Properties.
Claims use since Feb. 5, 1927.

Ser. No. 247,773. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FERDINAND H. BORM, Chicago, Ill. Filed Apr. 21, 1927.

GOLFERS PAL

Particular description of goods.—Device for Recording the Number of Hits Made During the Course of a Game of Golf.
Claims use since Apr. 13, 1927.

Ser. No. 247,794. (CLASS 45. BEVERAGES, NONALCOHOLIC.) E. L. HUSTING CO., Milwaukee, Wis. Filed Apr. 21, 1927.

MID-WAY

"Mid-Way."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Dec. 1, 1926.

Ser. No. 247,837. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN BEAUTY PERFUMERS, New York, N. Y. Filed Apr. 22, 1927.

COMAC C
MyFriend

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Solid Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, and Sachets.
Claims use since Feb. 5, 1926.

Ser. No. 247,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAYMOND R. DU PRE, Waterloo, Iowa. Filed Apr. 23, 1927.

ADRIENNE

Particular description of goods.—Perfumes.
Claims use since Mar. 16, 1927.

Ser. No. 247,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAYMOND R. DU PRE, Waterloo, Iowa. Filed Apr. 23, 1927.

CLOTAIRE

Particular description of goods.—Perfumes.
Claims use since Mar. 16, 1927.

Ser. No. 247,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHERING & GLATZ, INC., New York, N. Y. Filed Apr. 23, 1927.

ARCANOL

Particular description of goods.—A Pharmaceutical Preparation Recommended for Internal Treatment of Influenza (La Grippe) and for Inflammatory Condition of the Respiratory Tract.
Claims use since Apr. 8, 1927.

Ser. No. 247,924. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ANASARCIN CHEMICAL COMPANY, Winchester, Tenn. Filed Apr. 25, 1927.

SCILLICHOL

Particular description of goods.—Preparation for the Treatment of Gall Bladder and Hepatic Disorders.
Claims use since October, 1926.

Ser. No. 247,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOLAN AND HANCOCK, Fort Scott, Kans. Filed Apr. 25, 1927.

D & H

Particular description of goods.—Preparation for Piles.
Claims use since Jan. 1, 1927.

Ser. No. 247,938. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENTERPRISE CHEMICAL CO., doing business as Maison Marivonne, St. Louis, Mo. Filed Apr. 25, 1927.

MARIVONNE

Particular description of goods.—Perfume, Toilet Water, Shampoo, Face Cream, Depilatory, Face Lotion, Face Powder, Rouge, Bath Salts, and Brilliantine.
Claims use since about Feb. 1, 1926.

Ser. No. 248,005. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LARVEX CORPORATION, New York, N. Y. Filed Apr. 26, 1927.

UTILEX

Particular description of goods.—Pump for Fluids.
Claims use since Nov. 15, 1926.

Ser. No. 248,006. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN LECROY & SON, Camden, N. J. Filed Apr. 26, 1927.

CHU-TABS

Particular description of goods.—Medicated Chewing Gum.
Claims use since November, 1926.

Ser. No. 248,010. (CLASS 39. CLOTHING.) I. MILLER & SONS, INC., Long Island City, N. Y. Filed Apr. 26, 1927.

Millertaire

Particular description of goods.—Shoes, Slippers, and Boots of Leather, Rubber, Fabric, Leather and Rubber, Leather and Fabric, or Rubber and Fabric; Overshoes, Spats, Heels, and Shoe Findings—Namely, Heels, Inner and Outer Soles, Uppers, Tongues, and Toe Caps.
Claims use since Jan. 15, 1927.

Ser. No. 248,024. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TRIPHOSAL COMPANY, Philadelphia, Pa. Filed Apr. 26, 1927.

TRIPHOSAL

Particular description of goods.—Powder Used for an Acid Condition of the Intestines.
Claims use since Jan. 15, 1918.

Ser. No. 248,038. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 27, 1927.

PATHFINDER

Particular description of goods.—Rubber Belting.
Claims use since Oct. 15, 1924.

Ser. No. 248,071. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH C. WHITFIELD, Palisades Park, N. J. Filed Apr. 27, 1927.

FUELENE

Particular description of goods.—Natural Gas.
Claims use since Mar. 22, 1926.

Ser. No. 248,104. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. F. HOVEY CO., Boston, Mass. Filed Apr. 28, 1927.

Hovena

Particular description of goods.—Carpet Sweepers.
Claims use since Mar. 2, 1927.

Ser. No. 248,108. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED MARTORY, Paris, France. Filed Apr. 28, 1927.

"ET CŒTERA"

Particular description of goods.—Perfumes.
Claims use since Feb. 14, 1927.

Ser. No. 248,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED MARTORY, Paris, France. Filed Apr. 28, 1927.

"FEUILLE NOIRE"

Particular description of goods.—Perfumes.
Claims use since Feb. 14, 1927.

Ser. No. 248,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED MARTORY, Paris, France. Filed Apr. 28, 1927.

"JUDITT"

Particular description of goods.—Perfumes.
Claims use since Feb. 14, 1927.

Ser. No. 248,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED MARTORY, Paris, France. Filed Apr. 28, 1927.

"MI FA SOL"

Particular description of goods.—Perfumes.
Claims use since Feb. 14, 1927.

Ser. No. 248,113. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED MARTORY, Paris, France. Filed Apr. 28, 1927.

"SOLWEIG"

Particular description of goods.—Perfumes.
Claims use since Feb. 14, 1927.

Ser. No. 248,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREMNER BROS., Chicago, Ill. Filed Apr. 29, 1927.

Peekin



Particular description of goods.—Biscuits.
Claims use since Feb. 25, 1927.

Ser. No. 248,160. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUPP GROCERY COMPANY, Johnstown, Pa. Filed Apr. 29, 1927.

FLOOD CITY

Particular description of goods.—Canned Vegetables.
Claims use since Jan. 8, 1927.

Ser. No. 248,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON CANNING CORPORATION, Hoquiam, Wash. Filed Apr. 29, 1927.

ABER-HO

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since June 1, 1926.

Ser. No. 248,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON CANNING CORPORATION, Hoquiam, Wash. Filed Apr. 29, 1927.

GRAYPORT

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since June 1, 1926.

Ser. No. 248,175. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON CANNING CORPORATION, Hoquiam, Wash. Filed Apr. 29, 1927.

YEAR ROUND

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since June 1, 1926.

Ser. No. 248,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New York, N. Y. Filed Apr. 30, 1927.



SPARKY

Particular description of goods.—Green Coffee.
Claims use since November, 1926.

Ser. No. 248,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAX MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 30, 1927.

PRO-PAX

Particular description of goods.—Household Insecticide.
Claims use since Mar. 1, 1927.

Ser. No. 248,259. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ROBERT SMITH, doing business as Bob Smith, Boston, Mass. Filed Apr. 30, 1927.

VULCAN

Particular description of goods.—Golf Balls.
Claims use since Nov. 23, 1925.

Ser. No. 248,350. (CLASS 20. LINOLEUM AND OILED CLOTH.) CONGOLEUM-NAIRN INC., Philadelphia, Pa. Filed May 3, 1927.

ANOLEUM

Particular description of goods.—Prepared Floor Coverings of the Oiled-Cloth Type.
Claims use since Mar. 28, 1927.

Ser. No. 248,352. (CLASS 20. LINOLEUM AND OILED CLOTH.) CONGOLEUM-NAIRN INC., Philadelphia, Pa. Filed May 3, 1927.

LUSTROLEUM

Particular description of goods.—Prepared Floor Coverings of the Oiled-Cloth Type.
Claims use since Mar. 28, 1927.

Ser. No. 248,357. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 3, 1927.

Jerseyleen

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 1, 1927.

Ser. No. 248,358. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 3, 1927.

Jersella

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 1, 1927.

Ser. No. 248,359. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 3, 1927.

Jerseen

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 1, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 7, 1927.

228,498. OVERCOATS. SCHMITT-ORLOW COMPANY, Milwaukee, Wis.
Filed January 6, 1927. Serial No. 242,442. PUBLISHED MARCH 29, 1927.

228,499. SOLUTIONS OF NITROCELLULOSE YIELDING FILM COATINGS IMPERVIOUS TO MOISTURE AND AIR. WAUKEGAN CHEMICAL COMPANY, North Chicago, Ill.
Filed January 6, 1927. Serial No. 242,459. PUBLISHED MARCH 29, 1927.

228,500. COAL, CARBONIZED FUEL, AND COKE. THE NORTH AMERICAN COAL CORPORATION, Cleveland, Ohio.
Filed January 7, 1927. Serial No. 242,491. PUBLISHED MARCH 15, 1927.

228,501. COAL, CARBONIZED FUEL, AND COKE. THE NORTH AMERICAN COAL CORPORATION, Cleveland, Ohio.
Filed January 7, 1927. Serial No. 242,492. PUBLISHED MARCH 15, 1927.

228,502. COAL, CARBONIZED FUEL, AND COKE. THE NORTH AMERICAN COAL CORPORATION, Cleveland, Ohio.
Filed January 7, 1927. Serial No. 242,493. PUBLISHED MARCH 15, 1927.

228,503. FRICTION FIRE STARTER USED BY BOY SCOUTS, CAMPERS, AND TOURISTS. JAMES C. RAMSEY, Roswell, N. Mex.
Filed January 7, 1927. Serial No. 242,501. PUBLISHED MARCH 29, 1927.

228,504. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed January 8, 1927. Serial No. 242,518. PUBLISHED MARCH 1, 1927.

228,505. HAIR AND SCALP OINTMENT. PRO-GROW PROCESS CO., Minneapolis, Minn.
Filed January 8, 1927. Serial No. 242,548. PUBLISHED MARCH 29, 1927.

228,506. DICE BOXES. JACOB W. FIELD, doing business as Cigar Stores Novelty Co., Peoria, Ill.
Filed January 10, 1927. Serial No. 242,582. PUBLISHED MARCH 29, 1927.

228,507. FOUNTAIN PENS AND PENCILS. SALZ BROS., INC., New York, N. Y.
Filed January 10, 1927. Serial No. 242,623. PUBLISHED MARCH 29, 1927.

228,508. WHEAT FLOUR. TEXAS STAR FLOUR MILLS, Galveston, Tex.
Filed January 10, 1927. Serial No. 242,631. PUBLISHED MARCH 22, 1927.

228,509. REFRACTORY FIRE BRICK MATERIAL IN PLASTIC FORM. WELLSVILLE FIRE BRICK COMPANY, Wellsville, Mo.
Filed January 10, 1927. Serial No. 242,641. PUBLISHED MARCH 15, 1927.

228,510. BOYS' SUITS. PHILIP GOLDSTEIN INC., New York, N. Y.
Filed January 11, 1927. Serial No. 242,663. PUBLISHED MARCH 29, 1927.

228,511. LAWN-GRASS SEED. NORTHRUP, KING & CO., Minneapolis, Minn.
Filed January 11, 1927. Serial No. 242,689. PUBLISHED MARCH 15, 1927.

228,512. HATS AND CAPS FOR MEN. D. T. LANGROCK, INC., New Haven, Conn.
Filed January 12, 1927. Serial No. 242,730. PUBLISHED MARCH 29, 1927.

228,513. FOLDING COTS, FOLDING TABLES, AND FOLDING CHAIRS. SHUSTER SPECIALTY MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 12, 1927. Serial No. 242,756. PUBLISHED MARCH 29, 1927.

228,514. WOOLEN PIECE GOODS. CO-OPERATIVE WHOLESALE SOCIETY, LIMITED, Manchester, England.
Filed January 13, 1927. Serial No. 242,776. PUBLISHED MARCH 29, 1927.

228,515. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE HUDOR CO., Buffalo, N. Y.
Filed January 13, 1927. Serial No. 242,784. PUBLISHED MARCH 29, 1927.

228,516. OATS, CORN, CORN CHOPS, FATTENING RELISH, AND BULKY MIXER FEED. WESTERN GRAIN COMPANY, Birmingham, Ala.
Filed January 26, 1927. Serial No. 243,406. PUBLISHED MARCH 22, 1927.

228,517. SHAVING STICK AND SHAVING SOAP. COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y.
Filed January 27, 1927. Serial No. 243,417. PUBLISHED MARCH 29, 1927.

228,518. PASTRY AND CAKES INCLUDING VANILLA WAFERS AND THE LIKE. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed January 27, 1927. Serial No. 243,424. PUBLISHED MARCH 22, 1927.

228,519. WHEAT FLOUR. J. F. EESLEY MILLING COMPANY, Plainwell, Mich.
Filed January 27, 1927. Serial No. 243,428. PUBLISHED MARCH 22, 1927.

228,520. MONTHLY PUBLICATION. MONWARD REALTY CO., St. Louis, Mo.
Filed January 27, 1927. Serial No. 243,448. PUBLISHED MARCH 29, 1927.

228,521. BREAD. PERFECTION BISCUIT CO., Fort Wayne Ind.
Filed January 27, 1927. Serial No. 243,454. PUBLISHED MARCH 22, 1927.

228,522. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, SACHETS, AND INCENSE. BIROTO, INC., New York, N. Y.
Filed January 6, 1927. Serial No. 242,410. PUBLISHED MARCH 29, 1927.

228,523. PROTECTIVE CLEANSER AND SCRUBBING COMPOUND FOR FLOORS, FLOOR COVERINGS, WALLS, WOODWORK, AND FURNITURE. VESTAL CHEMICAL CO., St. Louis, Mo.
Filed January 27, 1927. Serial No. 243,464. PUBLISHED MARCH 29, 1927.

228,524. PORTABLE FIRE EXTINGUISHERS. PYRENE MANUFACTURING COMPANY, Newark, N. J.
Filed January 28, 1927. Serial No. 243,500. PUBLISHED MARCH 29, 1927.

228,525. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, SCARFS, HATS; LEATHER, WOOLEN, AND KNITTED FABRIC GLOVES; AND LEATHER COATS AND JACKETS. E. T. SLATTERY COMPANY, Boston, Mass.
Filed January 28, 1927. Serial No. 243,503. PUBLISHED MARCH 29, 1927.

228,526. LOCK MORTISERS, STAIR ROUTERS, POWER SAWS, AND POWER PLANES. WAPPAT GEAR WORKS, Pittsburgh, Pa.
Filed January 28, 1927. Serial No. 243,515. PUBLISHED MARCH 29, 1927.

228,527. ADVERTISING POSTERS. AMERICAN LITHOGRAPHIC COMPANY, New York, N. Y.
Filed January 29, 1927. Serial No. 243,520. PUBLISHED MARCH 29, 1927.

228,528. HOSIERY. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y.
Filed January 29, 1927. Serial No. 243,544. PUBLISHED MARCH 29, 1927.

228,529. MEN'S LEATHER SLIPPERS. SHUKOVSKY & GOLDBERG, Brooklyn, N. Y.
Filed January 29, 1927. Serial No. 243,564. PUBLISHED MARCH 29, 1927.

228,530. MOUTH HARMONICAS. STRAUSS HARMONICA COMPANY, INC., New York, N. Y.
Filed January 29, 1927. Serial No. 243,567. PUBLISHED MARCH 29, 1927.

228,531. PREPARATION TO CURE FINGER SUCKING AND FINGER-NAIL BITING. LESLIE A. HOUSE, doing business as No-Tum-Suk Company, Unincorporated, Elmhurst, Ill.
Filed January 31, 1927. Serial No. 243,606. PUBLISHED MARCH 29, 1927.

228,532. DRESS AND NEGLIGEE SHIRTS. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed January 31, 1927. Serial No. 243,611. PUBLISHED MARCH 29, 1927.

228,533. BREAD. JOHN R. WILLIAMS, doing business as Williams Eureka Bakery, Long Beach, Calif.
Filed January 31, 1927. Serial No. 243,635. PUBLISHED MARCH 22, 1927.

228,534. SELF-RISING BUCKWHEAT FLOUR, PANCAKE FLOUR, PURE BUCKWHEAT FLOUR, STOCK FEED, AND SCRATCH FEED. FULLER MILLING COMPANY, INC., Albany and Schenectady, N. Y.
Filed February 1, 1927. Serial No. 243,650. PUBLISHED MARCH 22, 1927.

228,535. WRITING AND PRINTING PAPER. HOLYOKE CARD & PAPER COMPANY, Springfield, Mass.
Filed February 1, 1927. Serial No. 243,653. PUBLISHED MARCH 29, 1927.

228,536. MEDICINAL HERBS FROM WHICH A DECOCTION IS TO BE MADE TO BE TAKEN INTERNALLY FOR THE IMPROVEMENT OF THE CONDITION OF THE BLOOD AND LIVER. ROSE H. T. KAHANOWICZ, Brooklyn, N. Y.
Filed February 2, 1927. Serial No. 243,706. PUBLISHED MARCH 29, 1927.

228,537. PIPES AND TUBES MANUFACTURED FROM NONFERROUS METALS. BRITISH AMERICAN METALS COMPANY, INC., New York, N. Y.
Filed September 11, 1926. Serial No. 237,109. PUBLISHED MARCH 29, 1927.

228,538. CANNED FRUITS AND VEGETABLES, CANNED SALMON, COFFEE, TEA, JAMS, JELLIES; PRESERVES—NAMELY, PEACH, PEAR, CRAB APPLE, CHERRY, BLUEBERRY, STRAWBERRY, APRICOT, AND PINEAPPLE; CONDIMENTS—NAMELY, CATCHUP, CHILI SAUCE, HORSE-RADISH SAUCE, PREPARED MUSTARD; OLIVES, PICKLES, SALAD DRESSING, AND FLAVORING SAUCE USED IN COOKING, DRIED FRUITS; SIRUPS—NAMELY, CORN AND MIXED CANE AND CORN AND MOLASSES; AND PLAIN WHEAT FLOUR. SERVICE GROCER COMPANY, INC., Detroit, Mich.
Filed October 16, 1926. Serial No. 238,747. PUBLISHED MARCH 22, 1927.

228,539. FIGS, PICKLES, JELLY, ETC. MARSHALL S. NEAL, doing business as Marshall Neal & Company, Pasadena, Calif.
Filed November 27, 1926. Serial No. 240,676. PUBLISHED MARCH 22, 1927.

228,540. BUTTER, CHEESE, CONDENSED MILK, EVAPORATED MILK, MALTED MILK, FRESH MILK, CREAM, EGGS. FIRST NATIONAL STORES, INC., Boston, Mass.
Filed December 4, 1926. Serial No. 240,967. PUBLISHED MARCH 29, 1927.

228,541. GELATIN DESSERT PREPARATION. THE DESSERT MANUFACTURING CO., Toledo, Ohio.
Filed January 6, 1927. Serial No. 242,417. PUBLISHED MARCH 22, 1927.

228,542. PEANUT BUTTER. SERV-RITE CORPORATION, Los Angeles, Calif.
Filed January 12, 1927. Serial No. 242,753. PUBLISHED MARCH 22, 1927.

228,543. MACARONI. ANTONIO PALAZZOLO, Cincinnati, Ohio.
Filed January 21, 1927. Serial No. 243,167. PUBLISHED MARCH 22, 1927.

228,544. ICE CREAM. JAMES RALPH THOMPSON, doing business as Seymour Ice Cream Company, Seymour, Ind.
Filed January 24, 1927. Serial No. 243,293. PUBLISHED MARCH 22, 1927.

228,545. SALAD DRESSING. BAYLS FOOD PRODUCTS CO., St. Louis, Mo.
Filed January 31, 1927. Serial No. 243,581. PUBLISHED MARCH 29, 1927.

228,546. OLIVE OIL. UMBERTO SORRENTINO, Jersey City, N. J.
Filed February 1, 1927. Serial No. 243,667. PUBLISHED MARCH 29, 1927.

228,547. SIRUP AND SUGAR MADE FROM MAPLE AND CANE SUGAR. MAPLE GROVE CANDIES, INC., St. Johnsbury, Vt.
Filed February 7, 1927. Serial No. 243,958. PUBLISHED MARCH 29, 1927.

228,548. EDUCATIONAL KINDERGARTEN DEVICES CONSISTING OF A SERIES OF RUBBER STAMPS FOR LETTERS AND WORDS ARRANGED IN PARALLEL ROWS IN A BOX. ARTHUR S. POPE, Santa Barbara, Calif.
Filed January 18, 1927. Serial No. 243,014. PUBLISHED MARCH 29, 1927.

228,549. LEATHER SOLES, TAP SOLES, HALF SOLES, AND SLIP SOLES. PENN LEATHER COMPANY, Philadelphia, Pa.
Filed January 18, 1927. Serial No. 243,012. PUBLISHED MARCH 29, 1927.

228,550. FABRICATED STRUCTURAL STEEL. ROBERT W. HUNT COMPANY, Chicago, Ill.
Filed January 18, 1927. Serial No. 242,995. PUBLISHED MARCH 22, 1927.

228,551. MONTHLY PUBLICATION. THE PETS PUBLISHING COMPANY, Cleveland, Ohio.
Filed January 17, 1927. Serial No. 242,964. PUBLISHED MARCH 29, 1927.

228,552. BITUMINOUS COAL. CAMERON COAL COMPANY, Philadelphia, Pa.
Filed January 17, 1927. Serial No. 242,947. PUBLISHED MARCH 22, 1927.

228,553. COFFEE. BERNARD H. KARMEN, doing business as Hawaiian Coffee Planters, Honolulu, Territory of Hawaii, assignor to Hawaiian Packing Company, Ltd., Hilo, Territory of Hawaii.
Filed January 17, 1927. Serial No. 242,939. PUBLISHED MARCH 1, 1927.

228,554. PLASTIC WALL OR FLOOR COATING. I. F. LAUCKS INC., Seattle, Wash.
Filed January 15, 1927. Serial No. 242,899. PUBLISHED MARCH 22, 1927.

228,555. REPRODUCTIONS OF ANTIQUE FURNITURE—NAMELY, TABLES, CHAIRS, STOOLS, BENCHES, BEDS, DRESSERS, CHESTS, DESKS, BOOKCASES, MIRRORS, SCREENS. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed January 14, 1927. Serial No. 242,869. PUBLISHED MARCH 29, 1927.

228,556. TOOTH PASTE. A. R. MUNN, INC., doing business as Prevent-O-Clasia Co., Atlanta, Ga., and New York, N. Y.
Filed January 14, 1927. Serial No. 242,843. PUBLISHED MARCH 29, 1927.

228,557. MEN'S AND BOYS' SUITS AND DRESS SUITS, INCLUDING COATS, VESTS, AND TROUSERS, AND MEN'S AND BOYS' TOPCOATS AND OVERCOATS. THE HECHT CO., Washington, D. C., also doing business as The Hub, Baltimore, Md.
Filed January 14, 1927. Serial No. 242,830. PUBLISHED MARCH 29, 1927.

228,558. DRIED VEGETABLES COMPRISING WHOLE GREEN PEAS, GREEN SPLIT PEAS, YELLOW SPLIT PEAS, MARROW BEANS, PEA BEANS, LIMA BEANS, LENTILS, GREEN KERN, AND MUSHROOMS; DRIED FRUITS COMPRISING PEARS, AND ST. JOHN'S BREAD, CEREALS COMPRISING BARLEY AND RICE; TAPIOCA, TEA, COFFEE, NUTS SALTED AND IN THEIR NATURAL STATE, SPICES COMPRISING ALLSPICE, LAUREL LEAVES, YELLOW MUSTARD SEED, CARAWAY SEED, POPPY SEED, PEPPER, PAPRIKA, AND NUTMEG, AND BIRDSEED AND SUNFLOWER SEED. THE LEVY & LEVIS COMPANY, INC., New York, N. Y.
Filed June 25, 1926. Serial No. 233,738. PUBLISHED MARCH 29, 1927.

228,559. APPLE-VENDING MACHINES. SNAPPLE SERVER MANUFACTURING COMPANY, Yakima, Wash.
Filed January 21, 1927. Serial No. 243,177. PUBLISHED MARCH 29, 1927.

228,560. MONTHLY OR BIMONTHLY MAGAZINE. THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif.
Filed January 5, 1927. Serial No. 242,374. PUBLISHED MARCH 29, 1927.

228,561. SCISSORS AND SHEARS. THE ACME SHEAR COMPANY, Bridgeport, Conn.
Filed February 14, 1927. Serial No. 244,340. PUBLISHED MARCH 29, 1927.

228,562. BLOTTING PAPER. ROCHESTER PAPER CO., Rochester, Mich.
Filed February 12, 1927. Serial No. 244,323. PUBLISHED MARCH 29, 1927.

228,563. BLOTTING PAPER. ROCHESTER PAPER CO., Rochester, Mich.
Filed February 12, 1927. Serial No. 244,324. PUBLISHED MARCH 29, 1927.

228,564. LADIES' WEARING APPAREL. AMERICAN LADY CORSET CO., Detroit, Mich.
Filed February 14, 1927. Serial No. 244,343. PUBLISHED MARCH 29, 1927.

228,565. MALT EXTRACT. CENTRAL MALT PRODUCTS COMPANY, Detroit, Mich.
Filed February 14, 1927. Serial No. 244,348. PUBLISHED MARCH 29, 1927.

228,566. COMPRESSED ASBESTOS SHEET PACKING. ARGO ASBESTOS & RUBBER CORPORATION, Pittsburgh, Pa.
Filed February 15, 1927. Serial No. 244,386. PUBLISHED MARCH 29, 1927.

228,567. PAINTBRUSHES. PROSPECT OPERATIONS, INC., Newark, N. J.
Filed February 15, 1927. Serial No. 244,413. PUBLISHED MARCH 29, 1927.

228,568. CANDY. SCHWARZ & SON, Newark, N. J.
Filed February 15, 1927. Serial No. 244,414. PUBLISHED MARCH 29, 1927.

228,569. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS OF VARIOUS FLAVORS. M. A. COPELAND, doing business as Brunswick Coca Cola Botling Co., Brunswick, Ga.
Filed February 16, 1927. Serial No. 244,429. PUBLISHED MARCH 29, 1927.

228,570. FOUNTAIN PENS AND PENCILS. ECLIPSE FOUNTAIN PEN & PENCIL CORPORATION, New York, N. Y.
Filed February 16, 1927. Serial No. 244,435. PUBLISHED MARCH 29, 1927.

228,571. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE. JOHN F. LASSER, doing business as Night Club Co., Chicago, Ill.
Filed February 16, 1927. Serial No. 244,451. PUBLISHED MARCH 29, 1927.

228,572. COTTON PIECE GOODS. F. U. STEARNS & COMPANY, New York, N. Y.
Filed February 16, 1927. Serial No. 244,478. PUBLISHED MARCH 29, 1927.

228,573. TEA OF ALL BLENDS. GERTRUDE H. FORD, doing business as Clynton Tea Co., New York, N. Y.
Filed February 17, 1927. Serial No. 244,496. PUBLISHED MARCH 29, 1927.

228,574. CANDY. THE FREDERICK W. LIPPS COMPANY, INC., Baltimore, Md.
Filed February 17, 1927. Serial No. 244,505. PUBLISHED MARCH 29, 1927.

228,575. POWDER PUFFS. BARONET MILLS, INC., College Point, N. Y.
Filed February 18, 1927. Serial No. 244,535. PUBLISHED MARCH 29, 1927.

228,576. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. LES-GO, INC., Tampa, Fla.
Filed January 29, 1927. Serial No. 243,550. PUBLISHED MARCH 29, 1927.

228,577. MEDICAL PREPARATION OR ANTISEPTIC USED FOR THE PURPOSE OF SANITATION. SAMUEL A. GOLDSTEIN, doing business as Century Pharmacal Co., New York, N. Y.
Filed February 18, 1927. Serial No. 244,556. PUBLISHED MARCH 29, 1927.

228,578. MEDICAL PREPARATION OR ANTISEPTIC USED FOR THE PURPOSE OF SANITATION. SAMUEL A. GOLDSTEIN, doing business as Century Pharmacal Company, New York, N. Y.
Filed February 18, 1927. Serial No. 244,557. PUBLISHED MARCH 29, 1927.

228,579. MEDICINAL PREPARATION—VIZ, A STOMACH AND BOWEL REGULATOR. LAUBER & LAUBER CO., Chicago, Ill.
Filed February 21, 1927. Serial No. 244,699. PUBLISHED MARCH 29, 1927.

228,580. MAGNETIC RAZOR-BLADE SHARPENER. EVERKEEN CORPORATION, Detroit, Mich.
Filed February 28, 1927. Serial No. 244,993. PUBLISHED APRIL 5, 1927.

228,581. REFRIGERATORS. SUMMERFIELD & HECHT, Detroit, Mich.
Filed June 25, 1926. Serial No. 233,755. PUBLISHED MARCH 29, 1927.

228,582. OINTMENT FOR SKIN DISEASES. EDWARD H. ANTHONY, doing business as Consolidated Pharmacal Laboratories, Los Angeles, Calif.
Filed June 29, 1926. Serial No. 233,864. PUBLISHED MARCH 29, 1927.

228,583. PATTERNS FOR EMBROIDERY. STEMOR COMPANY, INC., New York, N. Y.
Filed July 1, 1926. Serial No. 234,008. PUBLISHED MARCH 29, 1927.

228,584. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. COLTON FRUIT EXCHANGE, Colton, Calif.
Filed July 3, 1926. Serial No. 234,098. PUBLISHED MARCH 29, 1927.

228,585. VACUUM HEAT-INSULATED JUGS AND BOTTLES. MY PAL PRODUCTS, Chicago, Ill.
Filed July 16, 1926. Serial No. 234,624. PUBLISHED MARCH 29, 1927.

228,586. BRICK. ACME BRICK COMPANY, Fort Worth, Tex.
Filed July 26, 1926. Serial No. 235,090. PUBLISHED SEPTEMBER 21, 1926.

228,587. AUTOMOBILE LICENSE AND OWNERSHIP CARD BOXES. RUSSELL O. SAYERS, doing business as Auto Box Equipment Co., Mount Vernon, N. Y.
Filed August 6, 1926. Serial No. 235,656. PUBLISHED MARCH 29, 1927.

228,588. WASHING MACHINES. NATIONAL SALES & MANUFACTURING CO., Des Moines, Iowa.
Filed August 13, 1926. Serial No. 236,048. PUBLISHED MARCH 29, 1927.

228,589. CANNED FISH. FRANCO-ITALIAN PACKING CO., INC., East San Pedro, Calif.
Filed September 1, 1926. Serial No. 236,738. PUBLISHED MARCH 29, 1927.

228,590. MEDICINAL ANODYNE AND SEDATIVE TABLET. LEON C. WILLS, doing business as Baldwin-Haggard Company, Philadelphia, Pa.
Filed December 31, 1926. Serial No. 242,263. PUBLISHED MARCH 29, 1927.

228,591. REVOLVERS. R. F. SEDGLEY INC., Philadelphia, Pa.
Filed September 24, 1926. Serial No. 237,705. PUBLISHED MARCH 29, 1927.

228,592. CYMBALS. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y.
Filed September 28, 1926. Serial No. 237,857. PUBLISHED MARCH 22, 1927.

228,593. RADIO RECEIVING SETS, RADIO TRANSMITTING AND RECEIVING VACUUM TUBES, ETC. FLEETWOOD LABORATORIES, INC., New York, N. Y.
Filed October 29, 1926. Serial No. 239,402. PUBLISHED MARCH 15, 1927.

228,594. LEATHER. DOERR & REINHART, Worms, Germany.
Filed November 2, 1926. Serial No. 239,576. PUBLISHED MARCH 15, 1927.

228,595. SCREENS UPON WHICH MOVING PICTURES MAY BE PROJECTED. CHARLES LEO FITZ, INC., Mayville, Wis.
Filed November 6, 1926. Serial No. 239,746. PUBLISHED MARCH 29, 1927.

228,596. RADIO LOUD SPEAKER. ORCHESTRON COMPANY, Glendale, Calif.
Filed November 10, 1926. Serial No. 239,892. PUBLISHED MARCH 22, 1927.

228,597. ABSORBENT PADS OR SHEETS MADE FROM PAPER PULP FOR REMOVING COLD CREAM. CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis., doing business as Kleenex Company, assignor to Kotex Company, Chicago, Ill., a Corporation of Delaware.
Filed March 18, 1926. Serial No. 228,803. PUBLISHED APRIL 27, 1926.

228,598. MAILING ENVELOPES. TRANSO ENVELOPE COMPANY, Chicago, Ill.
Filed February 20, 1926. Serial No. 227,608. PUBLISHED MARCH 29, 1927.

228,599. LUBRICATING OILS, MOTOR OILS, AND OILS FOR PREVENTING CHATTERING IN BRAKE MECHANISMS ON AUTOMOBILES AND FORD CARS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed February 23, 1926. Serial No. 227,625. PUBLISHED MARCH 29, 1927.

228,600. PERIODICAL PARTICULARLY ADAPTED TO DRY CLEANERS AND DRY-CLEANING INTERESTS PUBLISHED FROM TIME TO TIME. BROWN & BIGELOW, St. Paul, Minn.
Filed February 25, 1926. Serial No. 227,773. PUBLISHED MARCH 29, 1927.

228,601. COMBINED COUPLINGS AND THERMOSTAT RECEIVERS FOR HOT-WATER HEATING AND DISTRIBUTION SYSTEMS. THE HOTSTREAM HEATER CO., Cleveland, Ohio.
Filed February 26, 1926. Serial No. 227,839. PUBLISHED MARCH 29, 1927.

228,602. OUTLET BOXES, SWITCH BOXES, HANGERS, MOUNTING BARS, AND LATH SUPPORTS. CHICAGO FUSE MFG. CO., Chicago, Ill.
Filed March 15, 1926. Serial No. 228,645. PUBLISHED MARCH 22, 1927.

228,603. KNITTED METALLIC FABRICS. METAL TEXTILE CORPORATION, West Orange, N. J.
Filed March 16, 1926. Serial No. 228,719. PUBLISHED MARCH 29, 1927.

228,604. RADIO RECEIVING SETS. JAMES B. UTT, doing business as Utt-Williams Electrical Products Company, Santa Ana, Calif.
Filed March 31, 1926. Serial No. 229,479. PUBLISHED MARCH 22, 1927.

228,605. ANIMAL BISCUITS. F. H. BENNETT BISCUIT COMPANY, New York, N. Y.
Filed April 3, 1926. Serial No. 229,613. PUBLISHED MARCH 22, 1927.

228,606. PEANUT BUTTER, CRUSHED FRUITS, MARMALADE, JAMS, CONSERVES, SPICED AND PICKLED FRUITS. WILLITS GREEN & MARSTON, doing business as Willits & Green, Los Angeles, Calif.
Filed April 7, 1926. Serial No. 229,841. PUBLISHED MARCH 29, 1927.

228,607. FACE WHITING AND SKIN LOTION. MARGUERITE BLAIR ORCHARD, Long Beach, Calif.
Filed April 8, 1926. Serial No. 229,875. PUBLISHED MARCH 29, 1927.

228,608. MISSES' FROCKS. ADOLPH B. HAAS, INC., Chicago, Ill.
Filed April 14, 1926. Serial No. 230,172. PUBLISHED OCTOBER 26, 1926.

228,609. PASTEURIZED AND FRESH MILK. WAYNE CREAMERY, Detroit, Mich.
Filed May 19, 1926. Serial No. 231,886. PUBLISHED MARCH 22, 1927.

228,610. WHEAT FLOUR. MONROE MILLING COMPANY, Waterloo, Ill.
Filed May 21, 1926. Serial No. 232,029. PUBLISHED MARCH 22, 1927.

228,611. OVERALLS. BENJAMIN WAXMAN, doing business as Great Eastern Manufacturing Company, Philadelphia, Pa.; Rose Waxman, administratrix of the estate of Benjamin Waxman, deceased.
Filed May 25, 1926. Serial No. 232,228. PUBLISHED MARCH 29, 1927.

228,612. FUEL OILS. DE BATAAFSCHE PETROLEUM MAATSCHAPPIJ, The Hague, Netherlands.
Filed May 26, 1926. Serial No. 232,260. PUBLISHED MARCH 22, 1927.

228,613. CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, CANNED MUSHROOMS, CHEESE, PRESERVED FIGS; CANNED MEATS—NAMELY, POTTED AND DEVILED MEATS, VIENNA SAUSAGE, SLICED BEEF, CORN BEEF, ROAST BEEF, AND CHILE CON CARNE; CANNED OYSTERS, CATCHUP, SHREDDED COCONUT, COFFEE, DRIED FRUITS, FLAVORING EXTRACTS FOR FOOD PURPOSES, OATMEAL, BREAKFAST CEREALS, CORN FLAKES, APPLE BUTTER, FRUIT AND BERRY PRESERVES, JELLIES, CRUSHED FRUITS, HORSE-RADISH, HONEY, EVAPORATED UNSWEETENED CANNED MILK, VEGETABLE RELISHES, PEPPER SAUCE, CORNSTARCH, TABLE SIRUP, MAPLE-BLEND SIRUP, CORN SIRUP, PREPARED MUSTARD, PEANUT BUTTER, OLIVES, PICKLES, RICE, SALAD DRESSINGS, SPICES, TEA, VINEGAR, MARASCHINO CHERRIES, AND MINCEMEAT. THE BITTMANN-TODD GROCER COMPANY, Kansas City, Kans.
Filed May 28, 1926. Serial No. 232,384. PUBLISHED MARCH 22, 1927.

228,614. IRON PILLS. CARTER MEDICINE COMPANY, New York, N. Y.
Filed May 29, 1926. Serial No. 232,450. PUBLISHED MARCH 29, 1927.

228,615. SILK PIECE GOODS. ALBERT GODDE, BEDIN, INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,592. PUBLISHED MARCH 29, 1927.

228,616. HAIR NETS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed February 19, 1927. Serial No. 244,596. PUBLISHED MARCH 29, 1927.

228,617. RUGS AND MATS OF LINOLEUM OR SIMILAR SUBSTANCE. NATIONAL CLOAK & SUIT CO., New York, N. Y.
Filed February 21, 1927. Serial No. 244,713. PUBLISHED MARCH 29, 1927.

228,618. LEATHERS AND HIDES PREPARED OF ALL KINDS. SOCIÉTÉ ANONYME ETABLISSEMENTS RENNIER, Grenoble, France.
Filed November 3, 1926. Serial No. 239,629. PUBLISHED MARCH 15, 1927.

228,619. APPARATUS FOR LUBRICATING INTERNAL-COMBUSTION ENGINES, STEAM ENGINES, ELECTROMOTORS, AGRICULTURAL AND TEXTILE MACHINES, AND PARTS OF MACHINERY. SOCIÉTÉ ANONYME DU GRAISSAGE ALCYL, Paris, France.
Filed November 13, 1926. Serial No. 240,041. PUBLISHED MARCH 29, 1927.

228,620. BRASSIÈRES. JORDAN MARSH COMPANY, Boston, Mass.
Filed November 13, 1926. Serial No. 240,028. PUBLISHED MARCH 29, 1927.

228,621. WEEKLY PUBLICATION. ST. LOUIS CONVENTION, PUBLICITY AND TOURIST BUREAU, St. Louis, Mo.
Filed November 10, 1926. Serial No. 239,808. PUBLISHED MARCH 29, 1927.

228,622. PISTONS FOR USE IN INTERNAL-COMBUSTION AND STEAM ENGINES, PUMPS, AND COMPRESSORS. CHARLES R. BUTLER, doing business as Butler Mfg. Co., Indianapolis, Ind.
Filed October 20, 1926. Serial No. 238,895. PUBLISHED MARCH 29, 1927.

228,623. LEATHER SHOES. MORRIS AUGENBLICK, doing business as Morris Shoe Company, New York, N. Y.
Filed November 9, 1926. Serial No. 239,862. PUBLISHED MARCH 29, 1927.

228,624. LAWN MOWERS. ELECTRIC VACUUM LAWN MOWER COMPANY, Stockton, Calif.
Filed November 30, 1926. Serial No. 240,770. PUBLISHED MARCH 29, 1927.

228,625. WINDOW-SHADE CLEANER. RED DOT CHEMICAL COMPANY, Indianapolis, Ind.
Filed November 6, 1926. Serial No. 239,769. PUBLISHED MARCH 29, 1927.

228,626. CANDIES. LINETTE CHOCOLATE COMPANY, Reading, Pa.
Filed November 6, 1926. Serial No. 239,761. PUBLISHED MARCH 29, 1927.

228,627. PREPARATION USED IN THE TREATMENT OF TUBERCULOSIS. CARDOSO, SKABRA & CO., Rio de Janeiro, Brazil.
Filed November 6, 1926. Serial No. 239,737. PUBLISHED MARCH 29, 1927.

228,628. SILK NECKTIES. JOS. M. FEINSON, INC., New York, N. Y.
Filed November 5, 1926. Serial No. 239,703. PUBLISHED MARCH 29, 1927.

228,629. FEEDS (SCRATCH FEED). WHITE GRAIN COMPANY, Duluth, Minn.
Filed October 29, 1926. Serial No. 239,449. PUBLISHED MARCH 29, 1927.

228,630. STRINGS FOR FRETTED MUSICAL INSTRUMENTS. STANDARD MUSICAL STRING & MFG. CORP., New York, N. Y.
Filed January 28, 1927. Serial No. 243,506. PUBLISHED MARCH 29, 1927.

228,631. WRITING PAPER. HOPPER PAPER COMPANY, Taylorville, Ill.
Filed February 7, 1927. Serial No. 243,950. PUBLISHED MARCH 29, 1927.

228,632. PAPER EASEL SUPPORTS FOR ART CARDS. THE CINCINNATI ART PUBLISHING COMPANY, Cincinnati, Ohio.
Filed February 8, 1927. Serial No. 243,998. PUBLISHED MARCH 29, 1927.

228,633. LEATHER BELTING. JOHNSON BELTING COMPANY, INC., New York, N. Y.
Filed February 8, 1927. Serial No. 244,015. PUBLISHED MARCH 29, 1927.

228,634. CANNED FRUIT—NAMELY, FIGS. THE BECKWITH COMPANY, Reedley, Calif.
Filed February 9, 1927. Serial No. 244,042. PUBLISHED MARCH 29, 1927.

228,635. BROWN BUCKWHEAT GROATS AND GERMAN GRITS. F. ROCHLIN MILLING CORP., Catskill, N. Y.
Filed December 28, 1926. Serial No. 242,067. PUBLISHED MARCH 29, 1927.

228,636. MEN'S AND BOYS' SUITS INCLUDING COATS, VESTS, AND TROUSERS, AND MEN'S AND BOYS' OVERCOATS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed December 29, 1926. Serial No. 242,119. PUBLISHED MARCH 29, 1927.

228,637. ASBESTOS SHINGLE ROOFING. TRIANGLE BUILDING MATERIAL CO., INC., New York and Woodhaven, N. Y.
Filed December 29, 1926. Serial No. 242,157. PUBLISHED MARCH 15, 1927.

228,638. WEATHER STRIPS. CHAMBERLIN METAL WEATHERSTRIP COMPANY, Detroit, Mich.
Filed December 30, 1926. Serial No. 242,168. PUBLISHED MARCH 15, 1927.

228,639. COAL. DERINGER FUEL COMPANY, Spangler, Pa.
Filed December 31, 1926. Serial No. 242,227. PUBLISHED MARCH 22, 1927.

228,640. BUTTER. THE GREAT ATLANTIC & PACIFIC TEA CO., Jersey City, N. J.
Filed January 3, 1927. Serial No. 242,290. PUBLISHED MARCH 22, 1927.

228,641. COTTON OR WOOL BATTING. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed January 4, 1927. Serial No. 242,343. PUBLISHED MARCH 15, 1927.

228,642. COTTON OR WOOL BATTING. LOCKPORT COTTON BATTING CO., Lockport, N. Y.
Filed January 4, 1927. Serial No. 242,344. PUBLISHED MARCH 15, 1927.

228,643. IRONING BOARDS. WASMUTH-ENDICOTT COMPANY, Andrews, Ind.
Filed January 18, 1927. Serial No. 243,028. PUBLISHED MARCH 29, 1927.

228,644. EARTHENWARE TABLEWARE. EDWARD B. DICKINSON, INC., New York, N. Y.
Filed January 19, 1927. Serial No. 243,039. PUBLISHED MARCH 29, 1927.

228,645. COAL. HUTCHINSON COAL COMPANY, Fairmont, W. Va.
Filed January 20, 1927. Serial No. 243,094. PUBLISHED MARCH 29, 1927.

228,646. PORTABLE ELECTRIC LAMPS. VIMCO MFG. COMPANY, INC., Buffalo, N. Y.
Filed January 22, 1927. Serial No. 243,244. PUBLISHED MARCH 29, 1927.

228,647. EGGS. JOHN F. BARKER PRODUCE COMPANY, INC., Phoenix, Ariz.
Filed June 25, 1926. Serial No. 233,717. PUBLISHED MARCH 29, 1927.

228,648. PAPER PRODUCTS—NAMELY, PAPER MAILING ENVELOPES, PAPER PORTFOLIOS, PAPER WALLETS. ROSNAP ENVELOPE MANUFACTURING CO. INC., New York and Brooklyn, N. Y.
Filed June 21, 1926. Serial No. 233,579. PUBLISHED AUGUST 3, 1926.

228,649. CANDY CONFECTIONS (MADE OF FIGS, RAISINS, CHERRIES, AND NUTS). THE FIGONET COMPANY, Rochester, N. Y.
Filed June 18, 1926. Serial No. 233,432. PUBLISHED MAY 3, 1927.

228,650. CANDIES. CHARLES N. MILLER COMPANY, Boston, Mass.
Filed February 17, 1926. Serial No. 227,408. PUBLISHED MARCH 29, 1927.

228,651. NONALCOHOLIC, MALTLESS BEVERAGES TO BE SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME AND MINERAL WATER. BALDUR A. G. FÜR GÄRUNGSLOSE FRÜCHTEVERWERTUNG, Berlin/Schoneberg, Germany.
Filed October 29, 1926. Serial No. 239,395. PUBLISHED MARCH 15, 1927.

228,652. FABRIC-FACED SHEETS OF CORK COMPOSITION, FROM WHICH MAY BE CUT VARIOUS ARTICLES SUCH AS INNER SOLES FOR SHOES, STIFFENERS FOR CAP VISORS AND CLOTHING, BODY SHIMS FOR AUTOMOBILES, GASKETS, ETC. ARMSTRONG CORK COMPANY, Pittsburgh, Pa.
Filed October 27, 1926. Serial No. 239,284. PUBLISHED MARCH 15, 1927.

228,653. CARBONATED, NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, ROOT BEER. JOHN M. KOZIK, Hudson, Pa.
Filed October 19, 1926. Serial No. 238,860. PUBLISHED MARCH 29, 1927.

228,654. DISPLAY CASES FOR DISPLAYING AND SELLING DRUGS AND TOILET ARTICLES. BEN. JACKSON, New Orleans, La.
Filed October 19, 1926. Serial No. 238,859. PUBLISHED MARCH 29, 1927.

228,655. HAIR TONIC AND DANDRUFF KILLER. IRMA VEDOVA, New York, N. Y.
Filed November 12, 1926. Serial No. 240,011. PUBLISHED MARCH 29, 1927.

228,656. DRESS SHIELDS. JORDAN MARSH COMPANY, Boston, Mass.
Filed November 26, 1926. Serial No. 240,608. PUBLISHED MARCH 29, 1927.

228,657. CLARINET AND SAXOPHONE REEDS AND SAXOPHONE MOUTHPIECES. H. & A. SELMER, INC., New York, N. Y.
Filed January 24, 1927. Serial No. 243,287. PUBLISHED MARCH 29, 1927.

228,658. ORNAMENTAL PENDANTS FOR PERSONAL WEAR. ATOW MATSUOKA, doing business as Colonial Import Co., San Francisco, Calif.
Filed January 5, 1927. Serial No. 242,384. PUBLISHED MARCH 29, 1927.

228,659. AUTOMOBILE TROUBLE LIGHTS. SEE-US-LITE MANUFACTURING CO., Cleveland, Ohio.
Filed January 6, 1927. Serial No. 242,444. PUBLISHED MARCH 29, 1927.

228,660. RANGES, STOVES, AND FURNACES BURNING COAL, WOOD, AND GAS AS FUELS. UNIT STOVE & FURNACE CO., Belleville, Ill., and North Birmingham, Ala.
Filed January 6, 1927. Serial No. 242,452. PUBLISHED MARCH 29, 1927.

228,661. ELECTRIC-LIGHTING EQUIPMENT—NAMELY, DESK LAMPS, INTERIOR LIGHTING FIXTURES, AND GENERAL PORTABLE LAMPS. SUN-RAY LIGHTING PRODUCTS, INC., New York, N. Y.
Filed January 8, 1927. Serial No. 242,554. PUBLISHED MARCH 22, 1927.

228,662. RUBBER-COVERED INSULATED WIRE. DIAMOND BRAIDING MILLS, Chicago Heights, Ill.
Filed January 10, 1927. Serial No. 242,575. PUBLISHED MARCH 29, 1927.

228,663. SHINGLES. NATIONAL ASBESTOS SHINGLE CORPORATION, New York, N. Y.
Filed January 11, 1927. Serial No. 242,688. PUBLISHED MARCH 15, 1927.

228,664. LEATHER. TIDEWATER LEATHER COMPANY, Salem, Mass.
Filed January 18, 1927. Serial No. 243,020. PUBLISHED MARCH 22, 1927.

228,665. SEED CORN. THE HI-BRED CORN COMPANY, Des Moines, Iowa.
Filed June 10, 1926. Serial No. 233,003. PUBLISHED MARCH 22, 1927.

228,666. AMMONIUM CARBONATE, AMMONIUM CHLORIDE, BARIUM CARBONATE, ETC. CHEM. FABRIKEN KUNHEIM & CO. A. G., Berlin, Germany.
Filed June 8, 1926. Serial No. 232,868. PUBLISHED MARCH 29, 1927.

228,667. WHEAT FLOUR. HILTON FLOUR MILLS, INC., Ogden, Utah.
Filed June 5, 1926. Serial No. 232,774. PUBLISHED MARCH 22, 1927.

228,668. NERVINE PILLS. CARTER MEDICINE COMPANY, New York, N. Y.
Filed May 29, 1926. Serial No. 232,451. PUBLISHED MARCH 29, 1927.

228,669. WALL BOARD. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed January 5, 1927. Serial No. 242,389. PUBLISHED MARCH 15, 1927.

228,670. REFRIGERATORS AND REFRIGERATING MACHINERY. SANAT REFRIGERATING COMPANY, New York, N. Y.
Filed February 2, 1927. Serial No. 243,728. PUBLISHED MARCH 22, 1927.

228,671. CREPE PAPER. THE TUTTLE PRESS COMPANY, Appleton, Wis.
Filed February 2, 1927. Serial No. 243,729. PUBLISHED MARCH 29, 1927.

228,672. COMPOUNDS FOR THE FULLING AND SCOURING OF WOOLEN, WORSTED, AND OTHER TEXTILES, BOTH RAW AND FINISHED MATERIALS. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed February 4, 1927. Serial No. 243,810. PUBLISHED MARCH 29. 1927.

228,673. PAPER EMPLOYED AS A LINING FOR VEGETABLE CRATES, CUT-FLOWER CONTAINERS, AND FOR LIKE PURPOSES. THE PATERSON PARCHMENT PAPER CO., Passaic, N. J.
Filed February 4, 1927. Serial No. 243,827. PUBLISHED MARCH 29, 1927.

228,674. RODENT EXTERMINATOR. REX RESEARCH CORPORATION, Toledo, Ohio.
Filed February 4, 1927. Serial No. 243,830. PUBLISHED MARCH 29, 1927.

228,675. BODY DEODORANT AND ANTISEPTIC. HERBERT F. GALOW, doing business as Hyo-San Laboratories, Detroit, Mich.
Filed February 5, 1927. Serial No. 243,851. PUBLISHED MARCH 29, 1927.

228,676. CANNED OLIVES AND OLIVE OIL. OLIVE PRODUCTS COMPANY, Oroville, Calif.
Filed February 5, 1927. Serial No. 243,876. PUBLISHED MARCH 29, 1927.

228,677. FINGER RINGS MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. ALLSOPP BROTHERS, Newark, N. J.
Filed December 30, 1926. Serial No. 242,162. PUBLISHED MARCH 22, 1927.

228,678. QUARRY TILE. THE UNITED STATES QUARRY TILE COMPANY, Parkersburg, W. Va.
Filed December 14, 1926. Serial No. 241,504. PUBLISHED MARCH 15, 1927.

228,679. MACHINERY FOR THE USE OF BAKERS AND CONFECTIONERS IN MAKING CANDY AND CHOCOLATE. UNION CONFECTIONERY MACHINERY CO., INC., New York, N. Y.
Filed December 14, 1926. Serial No. 241,503. PUBLISHED MARCH 29, 1927.

228,680. MACHINERY FOR THE USE OF BAKERS AND CONFECTIONERS IN MAKING CANDY AND CHOCOLATE. UNION CONFECTIONERY MACHINERY CO. INC., New York, N. Y.
Filed December 14, 1926. Serial No. 241,502. PUBLISHED MARCH 29, 1927.

228,681. COOKED CORN RELISH SOLD IN SEALED CONTAINERS. EMILY B. PATTERSON, Streator, Ill.
Filed December 14, 1926. Serial No. 241,496. PUBLISHED MARCH 29, 1927.

228,682. OUTER GARMENTS OR APPAREL—NAMELY, COATS, SPORT JACKETS, SKIRTS FOR WOMEN, HOSIERY, AND MUFFLERS FOR MEN, WOMEN, AND CHILDREN. ROCKFORD MITTEN & HOSIERY COMPANY, Rockford, Ill.
Filed December 13, 1926. Serial No. 241,441. PUBLISHED MARCH 29, 1927.

228,683. QUARTERLY PUBLICATION. ALVIN A. SAMUELS, doing business as The Bride & Groom Publishing Co., New York, N. Y.
Filed December 11, 1926. Serial No. 241,358. PUBLISHED MARCH 29, 1927.

228,684. LADIES' AND MISSES' SPORT AND TAILORED FROCKS, LADIES', MISSES', AND CHILDREN'S HATS; LEATHER AND FABRIC GLOVES, HOSIERY, AND KNITTED, NETTED, AND TEXTILE-FABRIC UNDERWEAR, AND CHILDREN'S DRESSES AND SUITS. HARRY GREENBERG CO., INC., New York, N. Y.
Filed December 9, 1926. Serial No. 241,224. PUBLISHED MARCH 29, 1927.

228,685. HOSIERY. READING MAID HOSIERY MILLS, Reading, Pa.
Filed December 8, 1926. Serial No. 241,181. PUBLISHED MARCH 29, 1927.

228,686. TALKING MACHINES AND RECORDS. BARNETT SAMUEL AND SONS LIMITED, London, England.
Filed September 13, 1926. Serial No. 237,145. PUBLISHED MARCH 29, 1927.

228,687. MEN'S WEARING APPAREL—NAMELY, OVERCOATS, TOPCOATS, RAINCOATS, SUITS COMPRISING COATS, VESTS, AND TROUSERS, SWEATERS, MEN'S HATS, SOCKS, SCARFS, AND KNITTED AND TEXTILE UNDERWEAR FOR MEN. BANKS, INC., New York, N. Y.
Filed December 15, 1926. Serial No. 241,513. PUBLISHED MARCH 29, 1927.

228,688. ADHESIVE PASTES. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed December 15, 1926. Serial No. 241,510. PUBLISHED MARCH 22, 1927.

228,689. CANDY. ROSE DELL CANDY SHOPS, INC., Sidney, Ohio.
Filed December 9, 1926. Serial No. 241,243. PUBLISHED MARCH 29, 1927.

228,690. SOAP. J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J.
Filed December 16, 1926. Serial No. 241,567. PUBLISHED MARCH 29, 1927.

228,691. INFANTS' AND CHILDREN'S KNITTED UNDERWEAR. EARNSHAW KNITTING COMPANY, Newton, Mass.
Filed December 6, 1926. Serial No. 241,042. PUBLISHED MARCH 29, 1927.

228,692. LUBRICATING OILS AND GREASES. J. FOSTER PRICE, doing business as Midwestern Refining Co., Toledo, Ohio.
Filed December 16, 1926. Serial No. 241,581. PUBLISHED MARCH 29, 1927.

228,693. HAIR TONICS, SPECIAL HAIR TONICS, RESTORATIVE TONICS, HOT OIL FOR USE IN HAIR AND SCALP TREATMENT. WELLSON SPECIALTY CO., Toronto, Canada.
Filed December 16, 1926. Serial No. 241,595. PUBLISHED MARCH 29, 1927.

228,694. WEIGHING SCALES. DAYTON SCALE COMPANY, New York, N. Y.
Filed December 17, 1926. Serial No. 241,606. PUBLISHED MARCH 29, 1927.

228,695. WEIGHING SCALES. DAYTON SCALE COMPANY, New York, N. Y.
Filed December 17, 1926. Serial No. 241,607. PUBLISHED MARCH 29, 1927.

228,696. FINANCIAL PUBLICATION ISSUED MONTHLY. J. HENRY SCHRODER BANKING CORPORATION, New York, N. Y.
Filed December 17, 1926. Serial No. 241,638. PUBLISHED MARCH 29, 1927.

228,697. SOAP. J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J.
Filed December 20, 1926. Serial No. 241,707. PUBLISHED MARCH 29, 1927.

228,698. MEDICINAL REMEDIES—NAMELY, LAXATIVE HERBAL COMPOUNDS. ROSE WILKE, doing business as Vital Food Co., Los Angeles, Calif.
Filed December 16, 1924. Serial No. 206,816. PUBLISHED MARCH 29, 1927.

228,699. NONALCOHOLIC, CARBONATED, AND STILL MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING SAME, AND FRUIT JUICES. CALIFORNIA CRUSHED FRUIT CORPORATION, Los Angeles, Calif.
Filed March 18, 1925. Serial No. 211,199. PUBLISHED NOVEMBER 30, 1926.

228,700. VEHICLE DIRECTION SIGNAL INCLUDING LIGHT BOXES AND CONTROL CIRCUIT MAKER AND BREAKER AS A UNIT. CHARLES HILTON KENNEY, doing business as The Guide-O-Light Company, New London, Conn.
Filed April 8, 1925. Serial No. 212,383. PUBLISHED MARCH 29, 1927.

228,701. RADIO RECEIVING SETS ASSEMBLED, TUBES, LOUD SPEAKERS, BATTERIES, AND BATTERY ELIMINATORS. LAVERN S. SLAGLE, doing business as Slagle Radio Company, Fort Wayne, Ind.
Filed July 27, 1925. Serial No. 217,967. PUBLISHED MARCH 29, 1927.

228,702. ELECTRIC STOVES, PLATES, AND RANGES. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed September 5, 1925. Serial No. 219,913. PUBLISHED MARCH 22, 1927.

228,703. KNITTED UNDERWEAR. ROOT MANUFACTURING COMPANY, Cohoes, N. Y.
Filed September 11, 1925. Serial No. 220,144. PUBLISHED MARCH 29, 1927.

228,704. LEG AND FOOT WARMING BAGS OR GARMENTS MADE OF WOOL OR LIKE OR OTHER SUITABLE MATERIAL. ROCK RUN MILLS, Goshen, Ind.
Filed November 15, 1926. Serial No. 240,097. PUBLISHED MARCH 29, 1927.

228,705. PREPARED ROOFING, PREPARED ASPHALT ROOFING, CUT-OUT SHINGLES, STRIP SHINGLES, INDIVIDUAL SHINGLES, TARRED FELT, DEADENING FELT, BLACK ROPE SHEATHING, RED ROSIN SHEATHING, AND ASBESTOS-FIBERED ELASTIC ROOFING CEMENT. TREMAN, KING & CO., Ithaca, N. Y.
Filed November 17, 1926. Serial No. 240,226. PUBLISHED MARCH 15, 1927.

228,706. TEXTILE-FABRIC UNDERWEAR. UNION UNDERWEAR COMPANY, INCORPORATED, Indianapolis, Ind.
Filed November 22, 1926 Serial No. 240,459. PUBLISHED MARCH 29, 1927.

228,707. TEXTILE-FABRIC UNDERWEAR. UNION UNDERWEAR COMPANY, INCORPORATED, Indianapolis, Ind.
Filed November 22, 1926. Serial No. 240,460. PUBLISHED MARCH 29, 1927.

228,708. MONTHLY MAGAZINE. HAIRE PUBLISHING CO., INC., New York, N. Y.
Filed November 27, 1926. Serial No. 240,651. PUBLISHED MARCH 29, 1927.

228,709. MONTHLY MAGAZINE. HAIRE PUBLISHING CO., INC., New York, N. Y.
Filed November 27, 1926. Serial No. 240,652. PUBLISHED MARCH 29, 1927.

228,710. MONTHLY MAGAZINE. HAIRE PUBLISHING CO., INC., New York, N. Y.
Filed November 27, 1926. Serial No. 240,653. PUBLISHED MARCH 29, 1927.

228,711. CORNSTARCH. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed November 29, 1926. Serial No. 240,701. PUBLISHED MARCH 22, 1927.

228,712. WHEAT FLOUR. MORROW-KIDDER MILLING COMPANY, Carthage, Mo.
Filed November 29, 1926. Serial No. 240,729. PUBLISHED MARCH 22, 1927.

228,713. MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, AND OVERCOATS. SIMON ACKERMAN CLOTHES, INC., New York, N. Y.
Filed December 3, 1926. Serial No. 240,897. PUBLISHED MARCH 29, 1927.

228,714. MOLDING COMPOUNDS AND MIXTURES ADAPTED FOR THE MANUFACTURE OF ELECTRICAL COMMODITIES OR PARTS THEREOF. BAKELITE CORPORATION, New York, N. Y.
Filed December 4, 1926. Serial No. 240,948. PUBLISHED MARCH 22, 1927.

228,715. GASOLINE, KEROSENE, BURNING OILS, FUEL OILS, AND DISTILLATE. E. H. MILTON AND SONS, Sedalia, Mo.
Filed December 13, 1926. Serial No. 241,426. PUBLISHED MARCH 22, 1927.

228,716. PEARLS, PEARL NECKLACES, BROOCHES, BAR PINS, PINS FOR DRESS ORNAMENTS, ORNAMENTAL HATPINS MADE OF OR PLATED WITH PRECIOUS METAL, ORNAMENTAL PINS AND BUCKLES MADE OF OR PLATED WITH PRECIOUS METAL FOR DECORATING HATS, ORNAMENTAL SHOE BUCKLES MADE OF OR PLATED WITH PRECIOUS METAL, NECKLACES, BEAD NECKLACES, BRACELETS, EARRINGS, HAIR ORNAMENTS MADE OF OR PLATED WITH PRECIOUS METAL, AND FINGER RINGS. COHN & ROSENBERGER, INC., New York, N. Y.
Filed December 15, 1926. Serial No. 241,520. PUBLISHED MARCH 22, 1927.

228,717. ELECTRIC APPLIANCES — NAMELY, SMOOTHING IRONS. THE DOVER MANUFACTURING Co., Dover, Ohio.
Filed December 16, 1926. Serial No. 241,566. PUBLISHED MARCH 22, 1927.

228,718. FUSE MOUNTINGS, RELAYS, BUS SUPPORTS, SWITCHES, CHOKE COILS, VOLTAGE DETECTORS, LIGHTNING ARRESTERS, AND FUSIBLE CUT-OUTS. SCHWEITZER AND CONRAD, Chicago, Ill.
Filed December 20, 1926. Serial No. 241,748. PUBLISHED MARCH 15, 1927.

228,719. GASOLINE, FUEL AND LUBRICATING OILS, AND LUBRICATING GREASES. CREAM CITY OIL COMPANY, North Milwaukee, Wis.
Filed December 23, 1926. Serial No. 241,875. PUBLISHED MARCH 22, 1927.

228,720. UKULELES, UKULELE BANJOS, BANJOS, TENOR BANJOS, GUITAR BANJOS, MANDOLINS, LUTE MANDOLINS, AND GUITARS. BUEGELEISEN & JACOBSON, New York, N. Y.
Filed December 24, 1926. Serial No. 241,922. PUBLISHED MARCH 29, 1927.

228,721. CLOTH IN THE PIECE COMPRISED ENTIRELY OF COTTON, COTTON AND RAYON, OR COTTON AND SILK MIXTURES. YORK MANUFACTURING CO. INC., New York, N. Y.
Filed December 24, 1926. Serial No. 241,974. PUBLISHED MARCH 29, 1927.

228,722. FARM AND GARDEN SEEDS. HAMILTON SEED & COAL CO., Cedar Rapids, Iowa.
Filed December 27, 1926. Serial No. 242,001. PUBLISHED MARCH 15, 1927.

228,723. WHEAT FLOUR. LOUISVILLE MILLING COMPANY, Minneapolis, Minn.
Filed October 2, 1925. Serial No. 221,128. PUBLISHED MARCH 22, 1927.

228,724. BEDPAN WASHERS, STERLIZERS, AND RACKS. HOSPITAL SUPPLY COMPANY AND WATTERS LABORATORIES, CONSOLIDATED, New York, N. Y.
Filed November 30, 1925. Serial No. 224,023. PUBLISHED MARCH 29, 1927.

228,725. BOX-FORMING MACHINES, BOX-MAKING MACHINES, PRINTING MACHINES; MACHINES FOR FOLDING AND DELIVERING CARTONS, BOX BOARDS, AND BOX BLANKS, PRINTED AND UNPRINTED; MACHINES FOR BLANKING, CREASING, SCORING, CUTTING, AND/OR STRAPPING CARDBOARD AND BOX BOARD, AND PARTS THEREOF. CHAMPE S. ANDREWS, New Haven, Conn.
Filed December 9, 1925. Serial No. 224,443. PUBLISHED MARCH 29, 1927.

228,726. PISTON RINGS. AMERICAN GEAR COMPANY, Jackson, Mich.
Filed December 14, 1925. Serial No. 224,642. PUBLISHED MARCH 30, 1926.

228,727. HAIR TONICS, FACE CREAMS, MOUTH AND EYE WASHES AND SKIN LOTIONS, WITCH-HAZEL, BAY RUM, TOILET POWDERS, ROUGES, HAIR DYES, HAIR-REMOVING PREPARATION, NAIL POLISH, A CUTICLE-REMOVING PREPARATION, MASSAGE CREAMS, AND QUININE TONIC. JACOB COHEN, doing business as Chicago Human Hair Co., Kansas City, Mo.
Filed December 18, 1925. Serial No. 224,858. PUBLISHED MARCH 29, 1927.

228,728. CEMENTITIOUS POWDER USED FOR BUILDING OR CONSTRUCTION PURPOSES WHEREVER A CEMENT MATERIAL MAY BE APPLIED OR USED. CORONITE MANUFACTURING COMPANY, INC., Long Island City, N. Y.
Filed December 23, 1925. Serial No. 225,075. PUBLISHED AUGUST 3, 1926.

228,729. LEATHER GLOVES. LEON FERNAND GUIGNIE, doing business as L. F. Guignie, Grenoble, France.
Filed January 20, 1926. Serial No. 226,138. PUBLISHED MARCH 29, 1927.

228,730. PRINTING INK AND INK FOR TYPE RIBBONS. W. H. YOUNG CORPORATION, Chicago, Ill.
Filed January 22, 1926. Serial No. 226,271. PUBLISHED MARCH 29, 1927.

228,731. OVERALLS, WORK SHIRTS, PANTS, ROMPERS, AND COATS FOR MEN, WOMEN, AND CHILDREN. SYRACUSE DRY GOODS COMPANY, Syracuse, N. Y.
Filed January 26, 1926. Serial No. 226,449. PUBLISHED MARCH 29, 1927.

228,732. GLOVES AND MITTENS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; NIGHTSHIRTS, DRESS SHIRTS, AND PYJAMAS. SYRACUSE DRY GOODS COMPANY, Syracuse, N. Y.
Filed January 26, 1926. Serial No. 226,451. PUBLISHED MARCH 29, 1927.

228,733. FOOD-FLAVORING EXTRACTS AND FRUIT PRESERVES. JOHN HEICHELBECH, St. Louis, Mo.
Filed February 1, 1926. Serial No. 226,724. PUBLISHED MARCH 29, 1927.

228,734. COILS FOR RADIO APPARATUS. CAMFIELD RADIO MANUFACTURING COMPANY, Oakland, Calif.
Filed February 2, 1926. Serial No. 226,761. PUBLISHED MARCH 22, 1927.

228,735. GASOLINE, KEROSENE, LUBRICATING OILS, LUBRICATING GREASES, AND FUEL OILS. MAYFLOWER OIL COMPANY, Boston, Mass.
Filed February 3, 1926. Serial No. 226,815. PUBLISHED MARCH 29, 1927.

228,736. SAFETY FILLING ATTACHMENTS AND VALVES FOR CANS, TANKS, AND OTHER CONTAINERS FOR EXPLOSIVE FLUIDS. MIDWEST STEEL & SUPPLY COMPANY, INC., New York, N. Y.
Filed January 31, 1927. Serial No. 243,617. PUBLISHED MARCH 29, 1927.

228,737. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. JAMES FREDERICK SUGDEN, Cleveland, Ohio.
Filed February 1, 1927. Serial No. 243,673. PUBLISHED MARCH 29, 1927.

228,738. SHOCK ABSORBERS, REBOUND RESTRAINERS, AND SPRINGS FOR VEHICLES. THOMPSON SPRING CORPORATION, Wilmington, Del.
Filed February 1, 1927. Serial No. 243,674. PUBLISHED MARCH 29, 1927.

228,739. ELECTRICAL CONDUIT HAVING A NON-METALIC SHEATH. THERMWOOL PRODUCTS CO., INC., New York, N. Y.
Filed February 7, 1927. Serial No. 243,983. PUBLISHED MARCH 29, 1927.

228,740. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed February 8, 1927. Serial No. 243,992. PUBLISHED MARCH 29, 1927.

228,741. CASTOR-OIL EMULSION. E. R. SQUIBB & SONS, New York, N. Y.
Filed February 9, 1927. Serial No. 244,114. PUBLISHED MARCH 29, 1927.

228,742. ELECTRICAL APPARATUS, PARTICULARLY FLASHER BUTTONS. TWINKLEX FLASHER COMPANY, San Francisco, Calif.
Filed February 9, 1927. Serial No. 244,116. PUBLISHED MARCH 29, 1927.

228,743. ELECTRICAL APPARATUS, PARTICULARLY FLASHER BUTTONS. TWINKLEX FLASHER COMPANY, San Francisco, Calif.
Filed February 9, 1927. Serial No. 244,117. PUBLISHED MARCH 29, 1927.

228,744. RIBBONS OF SILK, SATIN, COTTON, AND MIXTURE THEREOF. BUSER SILK CO., INC., New York, N. Y.
Filed February 10, 1927. Serial No. 244,132. PUBLISHED MARCH 29, 1927.

228,745. WOOLEN GOODS IN THE PIECE. WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed February 11, 1927. Serial No. 244,265. PUBLISHED MARCH 29, 1927.

228,746. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif.
Filed February 9, 1927. Serial No. 244,073. PUBLISHED MARCH 29, 1927.

228,747. PERFUME AND TOILET WATER, TALCUM POWDER, FACE POWDER, TOOTH POWDER, BATH POWDER, BATH SALTS, TOOTH PASTE, SACHET, ALMOND MEAL, CREAM ROUGE, VANISHING CREAM, COLD CREAM, SKIN AND TISSUE CREAM, HEADACHE COLOGNE, SMELLING SALTS, LIP STICKS, AND TOILET CERATE. RICHARD HUDNUT, New York, N. Y.
Filed February 9, 1927. Serial No. 244,074. PUBLISHED MARCH 29, 1927.

228,748. LOCAL ANÆSTHETIC AND HYPODERMIC TABLETS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 9, 1927. Serial No. 244,103. PUBLISHED MARCH 29, 1927.

228,749. TOY HORSESHOE GAMES. WALBERT MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed February 9, 1927. Serial No. 244,118. PUBLISHED MARCH 29, 1927.

228,750. TOILET PAPER. ADOLPH BULOVA, New York, N. Y.
Filed February 10, 1927. Serial No. 244,131. PUBLISHED MARCH 29, 1927.

228,751. HICKORY-FIBER BROOM SPLINTS FOR FILLING STREET-SWEEPER ROLLS AND FOR PUSH BROOMS. W. I. FAYSSOUX, doing business as The Old North State Company, Gastonia, N. C.
Filed February 10, 1927. Serial No. 244,146. PUBLISHED MARCH 29, 1927.

228,752. OLEOMARGARINE. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio.
Filed February 10, 1927. Serial No. 244,174. PUBLISHED MARCH 22, 1927.

228,753. CANNED TUNNY. THE ALEXANDER B. STEWART ORGANIZATIONS, Los Angeles, Calif.
Filed February 10, 1927. Serial No. 244,193. PUBLISHED MARCH 29, 1927.

228,754. BLOTTING PAPER. ROCHESTER PAPER CO., Rochester, Mich.
Filed February 12, 1927. Serial No. 244,322. PUBLISHED MARCH 29, 1927.

228,755. FRESH APPLES. HECTOR A. BROUILLET, Holland, Mich.
Filed September 24, 1926. Serial No. 237,651. PUBLISHED MARCH 29, 1927.

228,756. MODERN AND ANTIQUE HOME FURNISHINGS—NAMELY, TABLES, CHAIRS, BENCHES, STOOLS, BEDS, CHESTS, DRESSERS, BOOKCASES, DESKS, MIRRORS, SCREENS; GARDEN FURNITURE—NAMELY, STONE AND IRON TABLES, CHAIRS, AND BENCHES. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed October 14, 1926. Serial No. 238,629. PUBLISHED MARCH 29, 1927.

228,757. SHINGLES, RIDGE TILES, AND SHEETS COMPOSED OF ASBESTOS FIBER AND CEMENT. A. T. PATTISON & CO., New Orleans, La.
Filed December 21, 1926. Serial No. 241,787. PUBLISHED MARCH 15, 1927.

228,758. DRESSES AND FROCKS FOR WOMEN AND CHILDREN. QUEEN DRESS & SKIRT COMPANY, Milwaukee, Wis.
Filed December 21, 1926. Serial No. 241,788. PUBLISHED MARCH 29, 1927.

228,759. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—NAMELY, CELERY TONIC AND SARSAPARILLA. SCHONEBERGER & NOBLE, INC., New York, N. Y.
Filed December 21, 1926. Serial No. 241,794. PUBLISHED MARCH 29, 1927.

228,760. MEN'S AND WOMEN'S SHOES OF LEATHER, SATIN, CANVAS, AND OTHER FABRICS, SLIPPERS OF LEATHER AND FELT, RUBBERS, RUBBER BOOTS, AND ARCTICS. THE C. A. MANNING SHOE COMPANY, Meriden and Waterbury, Conn.
Filed December 23, 1926. Serial No. 241,888. PUBLISHED MARCH 29, 1927.

228,761. COAL. THE PITTSBURG AND MIDWAY COAL MINING COMPANY, Kansas City, Mo.
Filed December 23, 1926. Serial No. 241,902. PUBLISHED MARCH 15, 1927.

228,762. CULTURED COFFEE. THE CULTURED COFFEE CORPORATION, St. Louis, Mo.
Filed December 24, 1926. Serial No. 241,931. PUBLISHED MARCH 29, 1927.

228,763. SEWING MACHINES, AGRICULTURAL AND HORTICULTURAL MACHINES AND PARTS THEREOF, FUEL-DRIVEN MOTORS, CLUTCHES, DRIVING GEARS, BALL BEARINGS, AND SEWING-MACHINE NEEDLES. DÜRKOPPWERKE AKTIENGESELLSCHAFT, Bielefeld, Germany.
Filed December 24, 1926. Serial No. 241,937. PUBLISHED MARCH 29, 1927.

228,764. CANNED SALMON. GEO. T. MYERS & CO., Seattle, Wash.
Filed December 24, 1926. Serial No. 241,951. PUBLISHED MARCH 29, 1927.

228,765. MEN'S, WOMEN'S, AND CHILDREN'S HATS. PACIFIC HARVEST HAT COMPANY, Los Angeles, Calif.
Filed December 24, 1926. Serial No. 241,956. PUBLISHED MARCH 29, 1927.

228,766. PREPARATION FOR REVIVING AND PROMOTING THE BETTER FUNCTIONING OF THE ORGANS AND NERVES, INCREASING VITALITY, TO ELIMINATE CAUSES AND CONSEQUENCES OF UNTIMELY GRAYING HAIR, AND TO PREVENT PREMATURE OLD AGE; PREPARATION FOR THE TREATMENT OF HAIR AND SCALP, FOR THE NOURISHMENT OF THE SCALP, AND THE PROMOTION OF THE GROWTH OF THE HAIR; AND A MEDICINAL PREPARATION FOR PREVENTING THE HARDENING OF THE ARTERIES. BENEDIKT ROTTMAR, doing business as Be-Ro-Laboratory, Brooklyn, N. Y.
Filed December 24, 1926. Serial No. 241,961. PUBLISHED MARCH 29, 1927.

228,767. LADIES', MISSES', AND SMALL WOMEN'S COATS. BARKIN LEVIN CO., New York, N. Y.
Filed December 28, 1926. Serial No. 242,039. PUBLISHED MARCH 29, 1927.

228,768. NATURAL CUT ROCK, MARBLE, AND OTHER MATERIALS FOR CONSTRUCTION, DECORATION, AND SCULPTURE. FEVRE & CIE., Paris, France.
Filed December 28, 1926. Serial No. 242,055. PUBLISHED MARCH 22, 1927.

228,769. OILS AND GREASES. BLACKHAWK PETROLEUM CO., Chicago, Ill.
Filed January 29, 1927. Serial No. 243,524. PUBLISHED MARCH 22, 1927.

228,770. OIL BURNERS. WALKER OIL BURNER CORP., St. Louis, Mo.
Filed January 26, 1927. Serial No. 243,403. PUBLISHED MARCH 29, 1927.

228,771. CLOSURE CAPS. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y.
Filed September 18, 1926. Serial No. 237,400. PUBLISHED MARCH 22, 1927.

228,772. UMBRELLAS. FOLLMER, CLOGG & CO., Philadelphia, Lancaster, and Columbia, Pa.; New York, N. Y., and San Francisco, Calif.
Filed September 20, 1926. Serial No. 237,452. PUBLISHED FEBRUARY 8, 1927.

228,773. BEDROOM FURNITURE MADE OF WOOD, INCLUDING BEDS, DRESSERS, CHIFFONIERS, TABLES, AND CHAIRS. HOLLAND FURNITURE COMPANY, Holland, Mich.
Filed January 25, 1927. Serial No. 243,311. PUBLISHED MARCH 29, 1927.

228,774. HOSIERY. COMBINE HOSIERY CORPORATION, Wilmington, Del., and New York, N. Y.
Filed January 26, 1927. Serial No. 243,349. PUBLISHED MARCH 29, 1927.

228,775. GASOLINE GAUGES. THE WELKER-HOOPS MANUFACTURING COMPANY, Middletown, Conn.
Filed January 26, 1927. Serial No. 243,404. PUBLISHED MARCH 29, 1927.

228,776. REFRIGERATORS. WASMUTH-ENDICOTT COMPANY, Andrews, Ind.
Filed January 18, 1927. Serial No. 243,030. PUBLISHED MARCH 29, 1927.

228,777. GYPSUM TILE. NORTHWEST GYPSUM PRODUCTS COMPANY, Lewistown, Mont.
Filed January 19, 1927. Serial No. 243,062. PUBLISHED MARCH 22, 1927.

228,778. AUTOMOBILE MOTOR BOAT, AND AEROPLANE MOTORS AND SPARE PARTS THEREOF. CLARKE D. PEASE INC., New York, N. Y.
Filed January 20, 1927. Serial No. 243,108. PUBLISHED MARCH 29, 1927.

228,779. MEDICINE FOR THE RELIEF OF COUGHS, COLDS, WHOOPING COUGH, ASTHMATIC, BRONCHIAL, AND PULMONARY TROUBLES, AND WEAK LUNGS. MASCO DRUG CORPORATION, Lynn, Mass.

Filed January 21, 1927. Serial No. 243,163. PUBLISHED MARCH 29, 1927.

228,780. PRESERVED FRUITS AND PRESERVED VEGETABLES. SOCIETÀ GENERALE DELLE CONSERVE ALIMENTARI CIRIO, San Giovanni a Teduccio, near Naples, Italy.

Filed January 22, 1927. Serial No. 243,240. PUBLISHED MARCH 29, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

228,781. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BOREMAN RADIO CORPORATION, Salt Lake City Utah. Filed Mar 3, 1927. Serial No. 245,139.

Velvet

Particular description of goods.—Loud Speakers and Loud-Speaker Parts.
Claims use since May 1, 1925.

228,782. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEWIS-GEER MANUFACTURING COMPANY, Ypsilanti, Mich. Filed Feb. 28, 1927. Serial No. 245,015.

PIGGLY WIGGLY

Particular description of goods.—Coaster Wagons and Scooters.
Claims use since Aug. 1, 1924, on coaster wagons and since Feb. 1, 1926, on scooters.

228,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed Jan. 29, 1927. Serial No. 243,557.

Deep Rose

Particular description of goods.—Liquid Nail Polish.
Claims use since Dec. 1, 1925.

228,784. (CLASS 27. HOROLOGICAL INSTRUMENTS.) G. A. SODEN & Co., Chicago, Ill. Filed Jan. 20, 1927. Serial No. 243,118.

Beverly

Particular description of goods.—Watches.
Claims use since Oct. 15, 1925.

228,785. (CLASS 39. CLOTHING.) HICKEY-FREEMAN Co., Rochester, N. Y. Filed Dec. 8, 1926. Serial No. 241,156.

Canterbury Cloth

Particular description of goods.—Men's Suits.
Claims use since 1914.

228,786. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SHERMAN, CLAY & Co., San Francisco, Calif. Filed Nov. 8, 1926. Serial No. 239,827.

Sherman Clay & Co.

Particular description of goods.—Talking Machines and Phonographs and Pianos.
Claims use since Apr. 18, 1906.

228,787. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y. Filed Sept. 30, 1926. Serial No. 237,944.

CHICAGO

Particular description of goods.—Cooling and Condensing Apparatus—Namely, Steam Condensers, Vapor Condensers, Air Coolers, Gas Coolers.
Claims use since Aug. 10, 1925.

228,788. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y. Filed June 14, 1926. Serial No. 233,222.

Midsummer

Particular description of goods.—Silk Piece Goods.
Claims use since May 3, 1926.

228,789. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PLAZA MUSIC COMPANY, New York, N. Y. Filed May 14, 1926. Serial No. 231,629.

Microphonic

Particular description of goods.—Sound Boxes for Talking Machines and Phonographs.
Claims use since Apr. 9, 1926.

228,790. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) H. D. STRATTON, doing business as San Francisco Brewing Company, San Francisco, Calif. Filed May 14, 1926. Serial No. 231,643.

TRU-BRU

Particular description of goods.—Nonalcoholic Malt Beverage.
Claims use since Apr. 22, 1926.

228,791. (CLASS 39. CLOTHING.) LA CROSSE RUBBER MILLS Co., La Crosse, Wis. Filed Apr. 29, 1926. Serial No. 230,890.

LA CROSSE AUTOGALOSH

Particular description of goods.—Overshoes and Gaiters Made of Rubber and Cloth.
Claims use since Apr. 15, 1926.

228,792. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRANDES PRODUCTS CORPORATION, Newark, N. J. Filed Mar. 26, 1926. Serial No. 229,214.

Experts in radio acoustics Since 1908

Particular description of goods.—Telephone Head Sets, Loud Speakers, Electron-Tube Radiofrequency Amplifiers, Audiofrequency Transformers, Cabinet-Type Loud Speakers, and Cone-Type Loud Speakers for Translating Electrical Vibrations into Sound.
Claims use since Aug. 1, 1925.

228,793. (CLASS 39. CLOTHING.) THE KAYNEE COMPANY, Cleveland, Ohio. Filed Mar. 17, 1926. Serial No. 228,757.

Slumberwear

Particular description of goods.—One and Two Piece Pyjamas.
Claims use since Feb. 1, 1926.

228,794. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALL-AMERICAN RADIO CORPORATION, Chicago, Ill. Filed Mar. 3, 1926. Serial No. 228,020.

Constant-B

Particular description of goods.—Batteryless Current-Supply Apparatus for Radio Receiving Sets.
Claims use since Nov. 25, 1925.

228,795. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) STANISLAW KIELAR, doing business as Non-Slip Buckle Co., Milwaukee, Wis. Filed Oct. 17, 1925. Serial No. 221,903.

NON-SLIP BUCKLE CO.

Particular description of goods.—Belt Buckles Made of or Plated with Precious Metal.
Claims use since Sept. 15, 1925.

228,796. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HANLEY & KINSELLA COFFEE AND SPICE CO., St. Louis, Mo. Filed May 23, 1925. Serial No. 214,794.

"Sifted thru silk"

Particular description of goods.—Spices.
Claims use since September, 1922.

228,797. (CLASS 37. PAPER AND STATIONERY.) NARROWNAP FOLDING MACHINE Co., doing business as National Paper Napkin Company, Chicago, Ill. Filed July 8, 1925. Serial No. 217,042.

NATIONAL PAPER TRADE NAR-O-FOLD MARK NAPKIN COMPANY

Particular description of goods.—Folded Paper Napkins.
Claims use since Jan. 2, 1925.

228,798. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ELECTRIC FURNACE COMPANY, Salem, Ohio. Filed Mar. 17, 1925. Serial No. 211,159.

T-Grid

Particular description of goods.—Electric Furnaces and Electric Heating Elements Therefor.
Claims use since June 20, 1924.

228,799. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS RUSCONI, Fresno, Calif. Filed Apr. 16, 1926. Serial No. 230,316.

RUSCONI SPECIAL

Particular description of goods.—Grapes in Their Natural State.
Claims use since Sept. 1, 1918.

228,800. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KOSCHERAK SIPHON BOTTLE WORKS, Hoboken, N. J. Filed Apr. 23, 1926. Serial No. 230,633.

NOKRODE

Particular description of goods.—Battery Terminal Connecters.
Claims use since Mar. 20, 1926.

228,801. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE-PORTLAND FLOUR CO., doing business as Altenburg Roller Mills, Memphis, Tenn. Filed Apr. 2, 1927. Serial No. 246,821.

Nancy Hall

Particular description of goods.—Wheat Flour.
Claims use since Mar. 1, 1921.

228,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS & OAKE, Chicago, Ill. Filed Mar. 29, 1927. Serial No. 246,571.

Best-o'-Farm

Particular description of goods.—Eggs.
Claims use since Dec. 1, 1925.

228,803. (CLASS 39. CLOTHING.) ELY & WALKER DRY GOODS CO., St. Louis, Mo. Filed Mar. 15, 1927. Serial No. 245,784.

Jane Clay

Particular description of goods.—Ladies' Dresses of Cotton, Wool, Silk, Rayon, and Combinations Thereof.
Claims use since Jan. 1, 1923.

228,804. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD TRUSTY DOG FOOD COMPANY, Needham Heights, Mass. Filed Feb. 9, 1927. Serial No. 244,091.

SQUARES

Particular description of goods.—Dog Food.
Claims use since 1916.

228,805. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) W. E. STEVENS AND F. HALISON, San Francisco, Calif. Filed Nov. 8, 1926. Serial No. 239,829.

KORKPAK BRAND

Particular description of goods.—Gaskets.
Claims use since Jan. 1, 1923.

228,806. (CLASS 39. CLOTHING.) BOYD-WELSH SHOE COMPANY, St. Louis, Mo. Filed June 21, 1926. Serial No. 233,525.

HI-ARCH COMBINATION

Particular description of goods.—Leather and Cloth Shoes.
Claims use since May 26, 1925.

228,807. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. ROSENTHAL COMPANY, INC., New York, N. Y. Filed May 24, 1926. Serial No. 232,152.

WASHFAST

Particular description of goods.—Crêpe de Chine in the Piece.
Claims use since Apr. 12, 1926.

228,808. (CLASS 32. FURNITURE AND UPHOLSTERY.) ENTERPRISE METAL BED CO., INC., Brooklyn, N. Y. Filed May 13, 196. Serial No. 31,534.

Fold-E-Z Trade Mark

Particular description of goods.—Metal Chairs for Offices and Households.
Claims use since Apr. 1, 1926.

228,809. (CLASS 39. CLOTHING.) KATHRYN HOGO, doing business as The Emerson Company, Philadelphia, Pa. Filed Apr. 12, 1926. Serial No. 230,034.

The Emerson Uniform

Particular description of goods.—Maids' and Nurses' Uniforms.
Claims use since on or about Mar. 10, 1926.

228,810. (CLASS 39. CLOTHING.) MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill. Filed Mar. 31, 1926. Serial No. 229,453.

Stillson

Particular description of goods.—Men's and Boys' Clothing—Namely, Suits and Overcoats.
Claims use since Jan. 1, 1923.

228,811. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PEERLESS COTTON MILLS, Thomaston, Ga. Filed Jan. 21, 1926. Serial No. 226,206.

THOMASTON

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 1, 1925.

228,812. (CLASS 39. CLOTHING.) STEVENS, INC., New Orleans, La. Filed Nov. 2, 1925. Serial No. 222,715.

TUBSPUN TROPICALS

Particular description of goods.—Men's Suits.
Claims use since Oct. 1, 1925.

228,813. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHWESTERN COCA COLA BOTTLING COMPANY, Phoenix, Ariz. Filed Sept. 2, 1925. Serial No. 219,697.

ARIZONA DRY

Particular description of goods.—Ginger Ale.
Claims use since July 22, 1925.

228,814. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALTER M. TIETZ, Newark, N. J. Filed July 20, 1925. Serial No. 217,647.

"All in One"

Particular description of goods.—Combination Razor Hone and Strop and a Separate Razor-Blade Holder Inclosed in a Single Kit or Package.
Claims use since June 1, 1925.

228,815. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Filed Nov. 9, 1923. Serial No. 188,162.

GAME LOADS

Particular description of goods.—Ammunition.
Claims use since April, 1922.

228,816. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WATERVLIET TOOL CO., INC., Albany, N. Y. Filed Apr. 7, 1927. Serial No. 247,108.

WATERVLIET TOOL CO., INC.

Particular description of goods.—Machine and Hand Reamers of All Kinds and Types.
Claims use since July 17, 1918.

228,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PEERLESS BAKERY, San Francisco, Calif. Filed Apr. 4, 1927. Serial No. 246,927.

Peerless

Particular description of goods.—Bread and Cakes.
Claims use since Apr. 13, 1913.

228,818. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE HOFFMAN HEATER COMPANY, Louisville, Ky. Filed Apr. 1, 1927. Serial No. 246,748.

HOFFMAN DOMESTIC

Particular description of goods.—Automatic Gas Storage Systems for the Storage of Water.
Claims use since May 5, 1923.

228,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MR. AND MRS. HARRY S. JOHNSON, Oskaloosa, Iowa. Filed Mar. 28, 1927. Serial No. 246,480.

Mrs. Johnson's HOME MADE Candies

Particular description of goods.—Caramels, Toffees, Taffies, and Kisses.
Claims use since Dec. 20, 1923.

228,820. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DETROIT ALL COPPER HEATER COMPANY, Detroit, Mich. Filed Mar. 24, 1927. Serial No. 246,270.



"Trade Mark"

Particular description of goods.—Gas and Kerosene Water Heaters.
Claims use since Sept. 1, 1925.

228,821. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDGAR E. BROSIUS, Pittsburgh, Pa. Filed Mar. 23, 1927. Serial No. 246,193.

BROSIUS

Particular description of goods.—Cinder-Notch Stoppers for Blast Furnaces, Automatic Mud Guns for Plugging Blast Furnaces; Automotive Floor Charging Machines for Handling Billets, Ingots, Slabs, Etc., Between the Heating Furnace and the Mill; Horizontal Charging Machines for Handling Billets, Ingots, Slabs, Etc., and Charging Them into a Furnace; Crucible Charging and Drawing Machines, Single-Hoist Charging Machines, Grab Buckets, and Hoists.
Claims use since May, 1912.

228,822. (CLASS 17. TOBACCO PRODUCTS.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 14, 1927. Serial No. 245,735.

LAKEWOOD

Particular description of goods.—Smoking Tobacco.
Claims use since 1902.

228,823. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. S. BRACH MANUFACTURING COMPANY, Newark, N. J. Filed Mar. 12, 1927. Serial No. 245,616.

NON-AIR-GAP

Particular description of goods.—Lightning Arresters and Parts Thereof.
Claims use since on or about September, 1908.

228,824. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SEARS, ROEBUCK AND CO., doing business as Clinton Cartridge Company, Chicago, Ill. Filed Apr. 2, 1927. Serial No. 246,853.

Xtra-Range

Particular description of goods.—Shotgun Shells.
Claims use since 1925.

228,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS BURK, INC., Philadelphia, Pa. Filed Apr. 4, 1927. Serial No. 246,915.

Lunch Roll

Particular description of goods.—Cured Pork Roll.
Claims use since Jan. 1, 1907.

228,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE THOMAS PRODUCTS CO., Chicago, Ill. Filed Feb. 14, 1927. Serial No. 244,874.

Thomas'

Particular description of goods.—A Liquid Hair Shampoo, a Preparation for the Treatment of Falling Hair, a Preparation for Cleansing the Scalp and Relieving Oily-Hair Conditions.
Claims use since October, 1925.

TRADE-MARK REGISTRATIONS RENEWED

60,226. LOCKETS, BROOCHES, AND BADGES. Registered January 29, 1907. THE CYCLISTS' TOURING CLUB, London, England, a Registered Company of Great Britain. Renewed January 29, 1927.

61,013. TOOTH POWDER. Registered February 26, 1907. TOMIJIRO KOBAYASHI, Tokio, Japan. Renewed February 26, 1927.

61,143. TUNING PINS FOR PIANOS. Registered March 5, 1907. W. WAGNER, Jr. Renewed March 5, 1927, to Alfred Walle, doing business as W. Wagner, jr., Plettenberg, Germany, successor.

61,664. CERTAIN CLOTHING. Registered April 2, 1907. CELLULAR CLOTHING COMPANY, LIMITED, London, England, a Corporation of Great Britain. Renewed April 2, 1927.

62,148. FELT ROOFING. Registered April 23, 1907. COLLINS HARDWARE COMPANY, Lynn, Mass. Renewed April 23, 1927, to Raymond A. Smart, Winchester, Mass., assignee.

62,261. GAS STOVES, GASOLINE OR VAPOR STOVES, AND VAPOR BURNERS AND OVENS. Registered April 30, 1907. AMERICAN STOVE COMPANY, Jersey City, N. J., and St. Louis, Mo. Renewed April 30, 1927, to American Stove Company, St. Louis, Mo., a Corporation of New Jersey.

62,358. LAMP CHIMNEYS. Registered April 30, 1907. WM. R. NOE. Renewed April 30, 1927, to William R. Noe & Sons, New York, N. Y., a Copartnership, successor.

62,389. LUBRICATING OILS. Registered May 7, 1907. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Renewed May 7, 1927, to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania.

62,467. MEDICATED SALT BRICK FOR LIVESTOCK. Registered May 7, 1907. BLACKMAN STOCK REMEDY CO. Renewed May 7, 1927, to Blackman Stock Remedy Co., Chattanooga, Tenn., a Firm, assignee.

62,496. LIQUID WOOD FILLER. Registered May 7, 1907. THE GLIDDEN VARNISH COMPANY. Renewed May 7, 1927, to The Glidden Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

62,501. GAS RANGES OR OTHER GAS STOVES AND HEATERS, VAPOR STOVES AND OVENS. Registered May 14, 1907. AMERICAN STOVE COMPANY, Jersey City, N. J., and St. Louis, Mo. Renewed May 14, 1927, to American Stove Company, St. Louis, Mo., a Corporation of New Jersey.

62,575. MEN'S FLANNEL SHIRTS. Registered May 14, 1907. FRANK BROS. & CO., New York, N. Y. Renewed May 14, 1927.

62,658. GAS STOVES AND HEATERS AND VAPOR STOVES AND OVENS. Registered May 21, 1907. AMERICAN STOVE COMPANY, Jersey City, N. J., and St. Louis, Mo. Renewed May 21, 1927, to American Stove Company, St. Louis, Mo., a Corporation of New Jersey.

62,722. WHISKY. Registered May 21, 1907. THE DAVIESS COUNTY DISTILLING CO., Owensboro, Ky., a Corporation of Kentucky. Renewed May 21, 1927.

63,118. MEN'S KNITTED UNDERWEAR. Registered June 4, 1907. FRANK BROS. & CO., New York, N. Y. Renewed June 4, 1927.

63,160. LUBRICATING OILS. Registered June 11, 1907. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Renewed June 11, 1927, to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania.

63,163. CERTAIN ARTICLES OF CLOTHING. Registered June 11, 1907. CELLULAR CLOTHING COMPANY, LIMITED, London, England, a Corporation of Great Britain. Renewed June 11, 1927.

63,402. HACK-SAW BLADES. Registered June 18, 1907. THE WEST HAVEN MFG. CO., West Haven, Conn. Renewed June 18, 1927, to Millers Falls Company, Millers Falls, Mass., and New York, N. Y., a Corporation of Massachusetts, assignee.

64,046. CERTAIN FOOTWEAR. Registered July 23, 1907. A. G. SPALDING & BROS., Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed July 23, 1927.

64,226. SHEETINGS. Registered July 30, 1907. PIEDMONT MFG. CO., Piedmont, S. C., a Corporation of South Carolina. Renewed July 30, 1927.

64,400. CANDY. Registered August 6, 1907. THE ROBERT F. MACKENZIE COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed August 6, 1927.

64,587. LEATHER BOOTS AND SHOES. Registered August 13, 1907. CRADDOCK-TERRY COMPANY, Lynchburg, Va., a Corporation of Virginia. Renewed August 13, 1927.

64,588. LEATHER BOOTS AND SHOES. Registered August 13, 1907. CRADDOCK-TERRY COMPANY, Lynchburg, Va., a Corporation of Virginia. Renewed August 13, 1927.

64,624. AXES, ADZES, AND BILLHOOKS. Registered August 13, 1907. A. W. WILLS & SON. Renewed August 13, 1927, to A. W. Wills & Son, Limited, Birmingham, England, a Limited Liability Company of England, assignee.

64,625. AXES, ADZES, AND BILLHOOKS. Registered August 13, 1907. A. W. WILLS & SON. Renewed August 13, 1927, to A. W. Wills & Son, Limited, Birmingham, England, a Limited Liability Company of England, assignee.

64,626. CERTAIN HAND TOOLS. Registered August 13, 1907. A. W. WILLS & SON. Renewed August 13, 1927, to A. W. Wills & Son, Limited, Birmingham, England, a Limited Liability Company of England, assignee.

64,754. WHEAT FLOUR. Registered August 20, 1907. THE REA-PATTERSON MILLING COMPANY, Coffeyville, Kans., a Corporation of Kansas. Renewed August 20, 1927.

64,829. ARTIFICIAL SLATE AND ARTIFICIAL LUMBER. Registered August 27, 1907. ASBESTOS SHINGLE, SLATE & SHEATHING COMPANY, Ambler, Pa., a Corporation of Pennsylvania. Renewed August 27, 1927.

65,119. DOLLS. Registered September 10, 1907. GEO. BORGFELDT & CO., New York, N. Y., a Corporation of New Jersey. Renewed September 10, 1927.

65,120. HARMONICAS. Registered September 10, 1907. GEO. BORGFELDT & CO., New York, N. Y., a Corporation of New Jersey. Renewed September 10, 1927.

65,212. POCKETKNIVES, RAZORS, AND TABLE CUTLERY. Registered September 10, 1907. GEO. BORGFELDT & CO., New York, N. Y., a Corporation of New Jersey. Renewed September 10, 1927.

65,313. REMEDIES TO BE USED FOR DISEASES OF AND PERTAINING TO THE SEXUAL ORGANS. Registered September 17, 1907. ABRAHAM WOLFING. Renewed September 17, 1927, to The Firm Johann A. Wülfing, Berlin, Germany, assignee.

65,389. COFFEE AND TEA. Registered September 24, 1907. BAKER & COMPANY. Renewed September 24, 1927, to Baker Importing Co., Minneapolis, Minn., a Corporation of Minnesota, assignee.

65,406. ICE CREAM AND FROZEN PUDDINGS. Registered September 24, 1907. THE SEMON ICE CREAM COMPANY, New Haven, Conn. Renewed September 24, 1927, to Eastern Dairies, Inc., Springfield, Mass., a Corporation of Massachusetts, assignee.

65,440. CERTAIN FANCY GOODS, FURNISHINGS, AND NOTIONS. Registered September 24, 1927. GEO. BORGFELDT & Co., New York, N. Y., a Corporation of New Jersey. Renewed September 24, 1927.

65,520. COFFEE. Registered October 8, 1907. BAKER & COMPANY. Renewed October 8, 1927, to Baker Importing Co., Minneapolis, Minn., a Corporation of Minnesota, assignee..

65,577. CERTAIN MEDICINES. Registered October 8, 1907. W. F. SEVERA COMPANY, Cedar Rapids, Iowa, a Corporation of Iowa. Renewed October 8, 1927.

65,592. WOVEN COTTON PIECE GOODS. Registered October 8, 1907. HILL MANUFACTURING COMPANY, Lewiston, Me. Renewed October 8, 1927, to Hill Manufacturing Co., Boston, Mass., a Corporation of Massachusetts, assignee.

65,593. WOVEN COTTON PIECE GOODS. Registered October 8, 1907. HILL MANUFACTURING COMPANY, Lewiston, Me. Renewed October 8, 1927, to Hill Manufacturing Co., Boston, Mass., a Corporation of Massachusetts, assignee.

65,609. CERTAIN MACHINERY. Registered October 8, 1907. GEORGE S. HARWOOD & SON, Boston, Mass. Renewed October 8, 1927.

65,794. CERTAIN GLASS ARTICLES. Registered October 22, 1907. GILLINDER & SONS, INC., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed October 22, 1927.

65,840. MIXED PAINTS. Registered October 22, 1907. THE TROPICAL OIL COMPANY. Renewed October 22, 1927, to The Tropical Paint and Oil Company, Cleveland, Ohio, a Corporation of Ohio, successor.

65,932. TRACING CLOTH. Registered October 29, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed October 29, 1927.

65,954. GINGER ALE. Registered October 29, 1907. WM. J. STANGE Co., Chicago, Ill., a Corporation of Illinois. Renewed October 29, 1927.

66,039. POTATO CHIPS. Registered November 5, 1907. THOS. B. CLEWELL & SON, Allentown, Pa. Renewed November 5, 1927.

LABELS

REGISTERED JUNE 7, 1927.

32,209.—*Title:* ALEMITE TEN-MINUTE TOP. For Coverings for Automobile Tops. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill. Published April 14, 1927.

32,210.—*Title:* HONEST JOHN. For Yams. EDGAR B. BOCKMAN, doing business as The E. B. Bockman & Sons Storage Company, Pittsburg, Tex. Published December 1, 1926.

32,211.—*Title:* PLAZA. For Cotton Piece Goods. M. C. D. BORDEN & SONS, INC., New York, N. Y. Published April 21, 1927.

32,212.—*Title:* CHALLIE DE MOUSSELINE. For Cotton Piece Goods. M. C. D. BORDEN & SONS, INC., New York, N. Y. Published April 21, 1927.

32,213.—*Title:* AMERICAN CAMBRIC. For Cotton Piece Goods. M. C. D. BORDEN & SONS, INC., New York, N. Y. Published April 21, 1927.

32,214.—*Title:* LURLINE. For Worm Eradicator for Dogs and Foxes. JULIAN RODRIGUES BRANDON, doing business as Lurline Mfg. Company, San Francisco, Calif. Published March 30, 1927.

32,215.—*Title:* PEEKIN. For Biscuits. BREMNER BROS., Chicago, Ill. Published March 1, 1927.

32,216.—*Title:* ULTRABEST. For Candy. BUNTE BROTHERS, also doing business as Bunte, Chicago, Ill. Published December 10, 1926.

32,217.—*Title:* CITRUS PALMOIL COMPLEXION SOAP. For Bar Soap. CITRUS SOAP COMPANY OF CALIFORNIA, San Diego, Calif. Published January 19, 1927.

32,218.—*Title:* DUROLEUM RUG. For Prepared Floor Coverings of the Oilcloth Type. CONGOLEUM-NAIRN INCORPORATED, Philadelphia, Pa. Published April 7, 1927.

32,219.—*Title:* ONESTO. For Olive Oil. F & M IMPORTING Co., Los Angeles, Calif. Published June 1, 1926.

32,220.—*Title:* FULLER WINDOW BRUSH. For Window Brushes. THE FULLER BRUSH COMPANY, Hartford, Conn. Published February 7, 1927.

32,221.—*Title:* FULLER PUSH BROOM. For Push Brooms. THE FULLER BRUSH COMPANY, Hartford, Conn. Published February 7, 1927.

32,222.—*Title:* FULLER COMB CLEANER. For Comb Cleaners. THE FULLER BRUSH COMPANY, Hartford, Conn. Published March 11, 1927.

32,223.—*Title:* 1 QUART B-K POWERFUL DISINFECTANT. DEODORANT, PURIFIER, ANTISEPTIC. For a Sodium Hypochlorite Fluid. GENERAL LABORATORIES, Madison, Wis. Published March 5, 1927.

32,224.—*Title:* 10-OZ. B-K POWERFUL DISINFECTANT, DEODORANT, PURIFIER, ANTISEPTIC. For a Sodium Hypochlorite Fluid. GENERAL LABORATORIES, Madison, Wis. Published January 5, 1927.

32,225.—*Title:* 4-OZ. B-K ANTISEPTIC. DEODORANT, PURIFIER, GERMICIDE. For a Sodium Hypochlorite Fluid. GENERAL LABORATORIES, Madison, Wis. Published March 5, 1927.

32,226.—*Title:* EUCATHYM. For an Antiseptic Preparation. ERNEST J. GOLDSWORTHY, Los Angeles, Calif. Published January 14, 1927.

32,227.—*Title:* POWER CANDY MINERALIZED. For Candy. HENRY G. GRANGER, doing business as Granger Farms, Buskirk, N. Y. Published January 3, 1927.

32,228.—*Title:* 1. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,229.—*Title:* 2. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,230.—*Title:* 3. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,231.—*Title:* 4. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,232.—*Title:* 5. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,233.—*Title:* 6. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,234.—*Title:* 7. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,235.—*Title:* 8. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,236.—*Title:* 9. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,237.—*Title:* 10. For Automobiles. L. JAY HANNAH AND COMPANY, INC., Chicago, Ill. Published June 28, 1926.

32,238.—*Title:* CROWN BRAND. For Tomatoes. HELLER BROS. INC., New York, N. Y. Published March 27, 1927.

32,239.—*Title:* HERRERA COMPLEXION VAPOR VEIL. For Vapor Veils. ANNA E. HERRERA, Baltimore, Md. Published November 11, 1926.

32,240.—*Title:* HONOR-BRIGHT. For Oranges. HIGHGROVE FRUIT ASSOCIATION, Highgrove, Calif. Published April 15, 1927.

32,241.—*Title:* KORYZOL. For Medicinal Preparation Useful in the Treatment of Colds, Influenza, Hay Fever, and Sinus Infections. THE KORYZOL COMPANY, Miami, Fla. Published January 24, 1927.

32,242.—*Title:* FIX-A-WAVE LASTLONGER. For Hairdressing Preparations. ALFRED J. KRANK, St. Paul, Minn. Published June 15, 1925.

32,243.—*Title:* KRUMM'S ELBOW MACARONI. For Macaroni. A. C. KRUMM & SON MACARONI COMPANY, Philadelphia, Pa. Published October 21, 1926.

32,244.—*Title:* SOFTO. For Water Softeners. LA FRANCE MANUFACTURING COMPANY, Philadelphia, Pa. Published January 17, 1927.

32,245.—*Title:* SOFTO. For Water Softeners. LA FRANCE MANUFACTURING COMPANY, Philadelphia, Pa. Published February 1, 1927.

32,246.—*Title:* FRENCH SALAD DRESSING. For Salad Dressing. WILLIAM LEVEY, Santa Monica, Calif. Published April 23, 1927.

32,247.—*Title:* MRS. WOOLDRIDGE'S ORANGE MARMALADE. For Marmalade. LIL-MAR PRESERVING COMPANY, San Antonio, Tex. Published April 23, 1927.

32,248.—*Title:* WILL NOT SCRATCH. For a Polish and Cleaner for Metal, Glass, and Painted Surfaces. THE LINCOLN-DURANT MANUFACTURING COMPANY, Columbus, Ohio. Published March 4, 1927.

32,249.—*Title:* DEVILS DREAM CAKE MIX. For Devils Dream Cake Mix. E. M. MATHIESSEN, Chicago, Ill. Published April 30, 1926.

32,250.—*Title:* PRIDE OF THE WEST. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published April 25, 1927.

32,251.—*Title:* SWASTIKA. For Pears. SARAH A. MILLER, Courtland, Calif. Published April 15, 1927.

32,252.—*Title:* PEP-O-CHEESE. For Cheese. PEPPY-CHEESE Co., NOT INC., Chicago, Ill. Published April 16, 1927.

32,253.—*Title:* SUGAR KREAM. For Bread and Pastry. J. H. (DAD) PUCKETT, doing business as Purity Bakery, Henryetta, Okla. Published April 11, 1927.

32,254.—*Title:* DR. SIMM'S ELASTIC ARCH AND ANKLE SUPPORTER. For Arch and Ankle Supporters. CHARLES QUENZER, INC., New York, N. Y., Published April 25, 1927.

32,255.—*Title:* PARFUM NARCISSE DE JAPON. For Perfume. CHAS. A. RAHAYEL, doing business as Rahayel Freres, Brooklyn, N. Y. Published March 1, 1927.

32,256.—*Title:* PARFUM JASMIN DE JAPON. For Perfume. CHAS. A. RAHAYEL, doing business as Rahayel Freres, Brooklyn, N. Y. Published March 1, 1927.

32,257.—*Title:* PARFUM LILAC DE JAPON. For Perfume. CHAS. A. RAHAYEL, doing business as Rahayel Freres, Brooklyn, N. Y. Published March 1, 1927.

32,258.—*Title:* PARFUM CHYPRE DE JAPON. For Perfume. CHAS. A. RAHAYEL, doing business as Rahayel Freres, Brooklyn, N. Y. Published March 1, 1927.

32,259.—*Title:* PARFUM ROSE DE JAPON. For Perfume. CHAS. A. RAHAYEL, doing business as Rahayel Freres, Brooklyn, N. Y. Published March 1, 1927.

32,260.—*Title:* JANOVA BEAUTÉ POUDRÉ. For Face Powders. JOHN P. RALLS, Santa Monica, Calif. Published April 27, 1927.

32,261.—*Title:* STAGE COACH. For Oranges. ROGUE RIVER CORPORATION, doing business as Riverside Orchards Packing Co., Los Angeles and Riverside, Calif., and Medford, Oreg. Published November 22, 1926.

32,262.—*Title:* ROGUE. For Oranges. ROGUE RIVER CORPORATION, doing business as Riverside Orchards Packing Co., Los Angeles and Riverside, Calif., and Medford, Oreg. Published November 22, 1926.

32,263.—*Title:* MISCHIEF. For Oranges. ROGUE RIVER CORPORATION, doing business as Riverside Orchards Packing Co., Los Angeles and Riverside, Calif., and Medford, Oreg. Published November 22, 1926.

32,264.—*Title:* CREAM-O-WHEAT MACARONI. For Macaroni. BAYARD S. SCOTLAND, doing business as The Cream-O-Wheat Macaroni Co., Joliet, Ill. Published April 1, 1927.

32,265.—*Title:* RED CARDINAL. For Fresh Pears. SORENSON & COMPANY, INC., New York, N. Y. Published December 30, 1926.

32,266.—*Title:* OROETTES. For Canned Grapes. SUSSMAN, WORMSER & Co., San Francisco, Calif. Published December 1, 1926.

32,267.—*Title:* RUBYETTES. For Canned Grapes. SUSSMAN, WORMSER & Co., San Francisco, Calif. Published December 1, 1926.

32,268.—*Title:* EMRELETTES. For Canned Grapes. SUSSMAN, WORMSER & Co., San Francisco, Calif. Published December 1, 1926.

32,269.—*Title:* BIRD ROCKS. For Oranges. VILLA PARK ORCHARDS ASSOCIATION, Villa Park, Calif. Published April 15, 1927.

32,270.—*Title:* SOUTHERN BEATEN BISCUITS. For Beaten Biscuits. OLIVE MCINTYRE WALKER, Grand Rapids, Mich. Published April 15, 1927.

32,271.—*Title:* CHUBBY. For Children's Underwear. WHEATLEY & SCHWABE, New York, N. Y. Published January 29, 1927.

32,272.—*Title:* WANDS. For Underwear. WHEATLEY & SCHWABE, New York, N. Y. Published January 29, 1927.

32,273.—*Title:* ACEITE ROMERO SUPERFINO. For Hair Tonic or Beautifier. ANTONIO YUMET, doing business as the Juvenilina Company, Ponce, P. R. Published March 1, 1927.

PRINTS

REGISTERED JUNE 7, 1927.

9,873.—*Title:* A—I—D. For Drugs. ALLIED INDEPENDENT DRUGGISTS, Kansas City, Mo. Published April 30, 1927.

9,874.—*Title:* VENUS PENCIL No. 127. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published March 18, 1927.

9,875.—*Title:* UNIQUE THIN LEAD COLORED PENCILS No. 139. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published March 24, 1927.

9,876.—*Title:* VENUS PENCILS NO. 140. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published March 24, 1927.

9,877.—*Title:* YOU DON'T TRY ON UNDERWEAR BEFORE YOU BUY IT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 7, 1927.

9,878.—*Title:* CADET VAN DYKE FOOT. For Hosiery. THE CADET KNITTING COMPANY, Philadelphia, Pa. Published March 9, 1927.

9,879.—*Title:* SUPER MOTOR FUEL ROTOR GAS. For Fuel for Internal-Combustion Engines. COLUMBIA OIL COMPANY, Rosslyn, Va. Published April 12, 1927.

9,880.—*Title:* THE USE OF STARCHY FOODS IN THE EARLY MONTHS OF INFANT FEEDING. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 1, 1927.

9,881.—*Title:* CARE OF YOUR PIANO. For Piano Polish. DAJAN CHEMICAL COMPANY, Boston, Mass. Published March 3, 1927.

9,882.—*Title:* GIMME A CLOSE-UP ON THE WORLD'S GREATEST FILLUM—ESKIMO PIE! For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published November 6, 1926.

9,883.—*Title:* 'ME PLUS ESKIMO PIE EQUALS 100%.' For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published March 5, 1927.

9,884.—*Title:* SKATIN' AS SMOOTH AS ESKIMO PIE TASTES! For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published January 29, 1927.

9,885.—*Title:* 'ROUND THE CLOCK—AN' 'ROUND THE CALENDAR—ME AN' ESKIMO PIE. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published November 20, 1926.

9,886.—*Title:* 'THREE CHEERS—SAYS MY TASTER' 'TIGER-R-R SAYS MY STOMACH.' For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published February 12, 1927.

9,887.—*Title:* JUST CAN'T THINK OF NOTHIN' BETTER'N ESKIMO PIE. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published February 26, 1927.

9,888.—*Title:* 'GEE! I'M FULL O' PEP AN' ESKIMO PIE!' For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published December 11, 1926.

9,889.—*Title:* DR. WHITES TASTELESS EPSOM SALTS TABLETS. For Medicine for the Relief of Constipation, Headache, and Dizziness. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published December 29, 1925.

9,890.—*Title:* DR. WHITES GENUINE TABLETS. For Medicine for the Relief of Colds, Headache, Grippe. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published June 1, 1925.

9,891.—*Title:* DR. WHITES COLD AND GRIPPE PILLS. For Medicine for the Relief of Colds, Headache, Grippe. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published June 1, 1925.

9,892.—*Title:* STYLE COMFORT WEAR GOOD (WINGFOOT) YEAR WINGFOOT HEELS. For Rubber Heels Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Published April 20, 1927.

9,893.—*Title:* SHINE-ALL. For Floor Polish. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Published March 24, 1927.

9,894.—*Title:* NOW! A HEADLIGHT THAT FLOODLIGHTS THE ROAD. For Automobile Lamps. INDIANA LAMP CORPORATION, Connersville, Ind. Published March 26, 1927.

9,895.—*Title:* ILCO-RYAN-LITE. For Automobile Lamps. INDIANA LAMP CORPORATION, Connersville, Ind. Published April 2, 1927.

9,896.—*Title:* THE DEMAND IS HERE. For Automobile Lamps. INDIANA LAMP CORPORATION, Connersville, Ind. Published March 1, 1927.

9,897.—*Title:* THE BEAUTIFUL AND HIGHLY EFFICIENT ILCO-RYAN-LITE. For Automobile Lamps. INDIANA LAMP CORPORATION, Connersville, Ind. Published January 1, 1927.

9,898.—*Title:* RAKAR. For a Folding Rake with a Handle for Recovering and Finding Golf Balls Lost During a Game. LEONARD HENRY ISERN, New York, N. Y. Published May 18, 1927.

9,899.—*Title:* FIX-A-GLOSS. For Hair and Scalp Treatments. ALFRED J. KRANK, doing business as A. J. Krank Manufacturing Company, St. Paul, Minn. Published January 15, 1927.

9,900.—*Title:* GET THE FACTS ABOUT OIL-BURNING AS APPLIED TO YOUR HOME. For Oil Burners. MAY OIL BURNER CORPORATION, Baltimore, Md. Published April 23, 1927.

9,901.—*Title:* IF YOU'VE ALWAYS WANTED A WHITE HOUSE YOU CAN HAVE IT NOW. For Paint. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Published April 30, 1927.

9,902.—*Title:* IF YOU'VE ALWAYS WANTED A WHITE HOUSE YOU CAN HAVE IT NOW. For Paint. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Published May 2, 1927.

9,903.—*Title:* ONE WAY DISC PLOW. For Plows. THE OHIO CULTIVATOR COMPANY, Bellevue, Ohio. Published December 6, 1926.

9,904.—*Title:* WINNING APPROVAL. For Groceries. REID, MURDOCH & Co., Chicago, Ill. Published April 23, 1927.

9,905.—*Title:* A TRUCK THAT DOES THE THINGS OTHER TRUCKS WOULD LIKE TO DO. For Motor Trucks. RELAY MOTORS CORPORATION, Wabash, Ind. Published April 14, 1927.

9,906.—*Title:* METROLINE MOTOR OIL. For Motor Oil. NAT RUE AND ISRAEL B. ZIMMERMAN, doing business as Rue & Zimmerman, Chicago, Ill. Published November 19, 1926.

9,907.—*Title:* TURKISH TOWEL. For Towels. SIMPLEX SAMPLING ASSOCIATION, INC., New York, N. Y. Published April 8, 1927.

9,908.—*Title:* SPEED-O-LAQ. For Varnish. THE SPEED-O-LAQ PRODUCTS CO., Minneapolis, Minn. Published April 12, 1927.

9,909.—*Title:* A WINNER FOR SALES! FLIT-FLIT WINDOW DISPLAY INCREASES SALES 400%. For Insecticide. STANCO DISTRIBUTORS, INCORPORATED, Wilmington, Del. Published April 1, 1927.

9,910.—*Title:* SUPERBILT. For Mattresses. UNITED MFG. CO., INC., Portland, Oreg. Published March 1, 1927.

9,911.—*Title:* CLUBS OF CHARACTER FOR EVERY GOLFER. For Golf Clubs. THE VULCAN LAST COMPANY, doing business as Vulcan Golf Company, Portsmouth, Ohio. Published March 25, 1927.

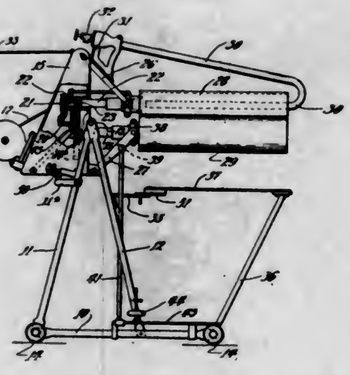
9,912.—*Title:* GOLF. For Golf Clubs. THE VULCAN LAST COMPANY, doing business as Vulcan Golf Company, Portsmouth, Ohio. Published March 25, 1927.

9,913.—*Title:* VULCAN. For Golf Clubs. THE VULCAN LAST COMPANY, doing business as Vulcan Golf Company, Portsmouth, Ohio. Published March 25, 1927.

REISSUES

JUNE 7, 1927.

16,647. IRONING MACHINE. FRANK D. CHAPMAN, Berlin, Wis., assignor of one-half to Electric Household Utilities Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 11, 1926. Serial No. 134,902. Original No. 1,536,771, dated May 5, 1925, Serial No. 587,493, filed Sept. 11, 1922. 10 Claims. (Cl. 68—9.)



1. An ironing machine comprising a frame; a housing; a pair of pressure rolls rotatably carried by said housing; a motor also carried by said housing for rotating said rolls; means for heating said rolls; a horizontal pivotal connection between said frame and housing, said housing, together with the parts carried thereby, being movable about said pivotal connection from an operative horizontal extended position to an inoperative compact vertical position within said frame; and means engaging said frame and housing to maintain the parts in their operative positions.

16,648. PROCESS OF VULCANIZING RUBBER AND COMPOUND RESULTING THEREFROM. NORMAN A. SHEPARD, Akron, Ohio, and STANLEY KRALL, Longmeadow, Mass., assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 15, 1927. Serial No. 161,459. Original application filed June 20, 1923, Serial No. 646,702. Renewed Aug. 4, 1925. Original No. 1,576,072, dated Mar. 9, 1926. 6 Claims. (Cl. 18—53.)

1. The process of vulcanizing rubber which comprises incorporating with rubber a small amount of a reaction product of an aldehyde-ammonia with a mustard oil, and heating the resultant product with a vulcanizing agent.

16,649. SAFETY GUARD FOR DANGEROUS HIGHWAYS AND THE LIKE. HARRY C. LOOKABAUGH, Jacksonville, Fla. Filed Feb. 18, 1927. Serial No. 169,390. Original No. 1,614,795, dated Jan. 18, 1927, Serial No. 53,580, filed Aug. 31, 1925. 5 Claims. (Cl. 256—1.)

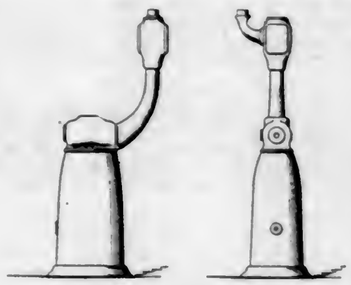
4. A safety road guard embodying an upright member having its lower edge curved toward the roadbed, an anchor for embedment in the roadbed, and a brace attached to said upright and to said anchor, said lower curved edge of the upright being adapted to rest upon the roadbed and the attachment of said member to the brace being rigid and non-resilient.

5. A safety road guard embodying an upright member parallel with a roadbed and having its lower edge curved toward the roadbed, a metallic anchor embedded in the roadbed, and an angular brace attached to the upright and to the anchor.

DESIGNS

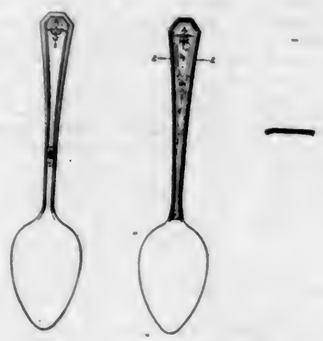
JUNE 7, 1927.

72,785. BASE ASSEMBLY FOR DENTAL EQUIPMENT STAND. ROBERT C. ANGELL, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1927. Serial No. 21,497. Term of patent 14 years.



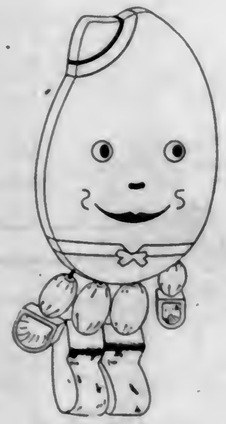
The ornamental design for base assembly for dental equipment stand, as shown.

72,786. SPOON OR SIMILAR ARTICLE. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Feb. 14, 1927. Serial No. 20,750. Term of patent 7 years.



The ornamental design for a spoon or similar article as shown.

72,787. DOLL. JESSIE M. BELL, Tacoma, Wash. Filed Aug. 10, 1926. Serial No. 18,681. Term of patent 14 years.



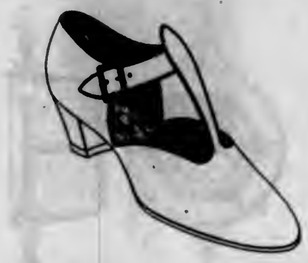
The ornamental design for a doll, as shown.

72,788. CANOPY FOR ELECTRIC-LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,161. Term of patent 3½ years.



The ornamental design for a canopy for electric lighting fixtures, substantially as shown.

72,789. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1927. Serial No. 21,513. Term of patent 3½ years.



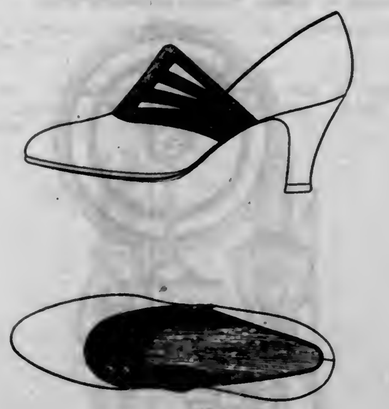
The ornamental design for a shoe, substantially as shown.

72,790. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1927. Serial No. 21,514. Term of patent 3½ years.



The ornamental design for a shoe, substantially as shown.

72,791. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1927. Serial No. 21,515. Term of patent 3½ years.



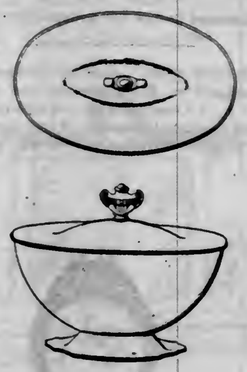
The ornamental design for a shoe, substantially as shown.

72,792. DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 16, 1927. Serial No. 21,619. Term of patent 3½ years.



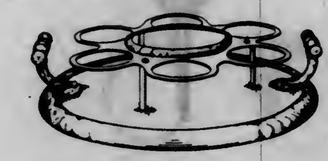
The ornamental design for a dress, substantially as shown and described.

72,793. TOILET BOX. ALFRED S. DONALDSON, Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 12, 1927. Serial No. 20,719. Term of patent 7 years.



The ornamental design for a toilet box, as shown.

72,794. HOLDER FOR GLASSES AND BOTTLE. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,977. Term of patent 14 years.



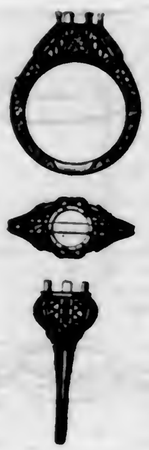
The ornamental design for a holder for glasses and bottle substantially as shown.

72,795. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to Kel Klebanoff and Grossman, New York, N. Y., a Copartnership consisting of David Klebanoff and Samuel Grossman. Filed Apr. 15, 1927. Serial No. 21,609. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

72,796. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to Kel Klebanoff and Grossman, New York, N. Y., a Copartnership consisting of David Klebanoff and Samuel Grossman. Filed Apr. 15, 1927. Serial No. 21,610. Term of patent 3½ years.



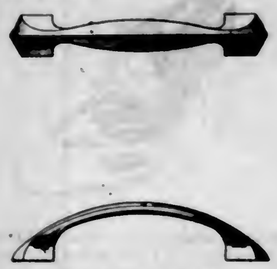
The ornamental design for a finger ring as shown.

72,797. CLOCK CASE. JAMES KERNES, Chicago, Ill., assignor to Kernes Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 19, 1926. Serial No. 19,777. Term of patent 3½ years.



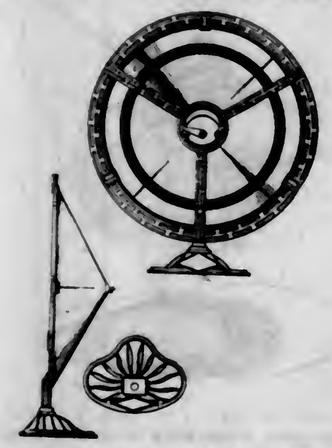
The ornamental design for a clock case, as shown.

72,798. DRAWER PULL. EDWARD L. KNAPP, Grand Rapids, Mich., assignor to The National Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Mar. 22, 1927. Serial No. 21,254. Term of patent 3½ years.



The ornamental design for a drawer pull, as shown.

72,799. LOUD SPEAKER. NATHAN A. KURMAN, New York, N. Y., assignor to The Herald Electric Company, New York, N. Y., a Corporation. Filed Dec. 16, 1926. Serial No. 20,061. Term of patent 3½ years.



The ornamental design for a loud speaker, as shown.

72,800. RADIATOR. ANDREW PALKA, Detroit, Mich. Filed Jan. 26, 1926. Serial No 16,270. Term of patent 3½ years.



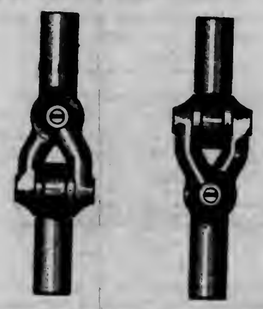
The ornamental design for a radiator, as shown.

72,801. ARM FOR A LIGHTING FIXTURE OR THE LIKE. MAX PEINLICH, White Plains, N. Y., assignor to Columbia Lighting Fixture Co. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,118. Term of patent 3½ years.



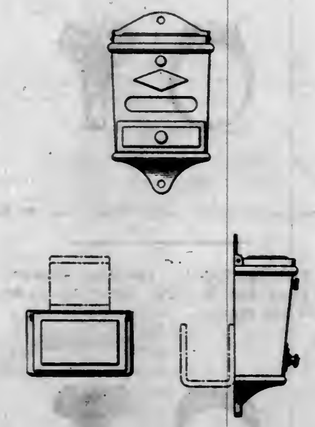
The ornamental design for an arm for a lighting fixture or the like, as shown.

72,802. UNIVERSAL JOINT. ALPHONSE F. PIEPER, Rochester, N. Y. Filed Jan. 26, 1923. Serial No. 5,006. Term of patent 14 years.



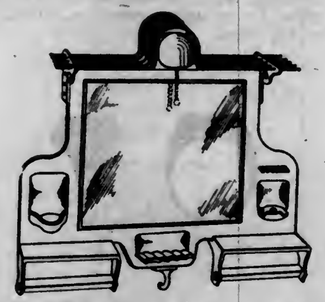
The ornamental design for a universal joint, as shown.

72,803. COMBINED ASH RECEIVER AND MATCH BOX. ABRAHAM W. ROSEN, New York, N. Y. Filed Mar. 3, 1927. Serial No. 20,956. Term of patent 3½ years.



The ornamental design for a combined ash receiver and match box substantially as shown and described.

72,804. BATHROOM WALL FIXTURE. SYDNEY E. SHARWOOD, Lakeland, Fla., assignor to The F. H. Lawson Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 8, 1927. Serial No. 20,646. Term of patent 14 years.



The ornamental design for a bath room wall fixture, as shown.

72,805. FINGER RING. ABRAHAM SHIMAN, Newark, N. J. Filed Apr. 5, 1927. Serial No. 21,464. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

72,806. FINGER RING. ABRAHAM SHIMAN, Newark, N. J. Filed Apr. 5, 1927. Serial No. 21,465. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

72,807. FINGER RING. ABRAHAM SHIMAN, Newark, N. J. Filed Apr. 5, 1927. Serial No. 21,466. Term of patent 3½ years.



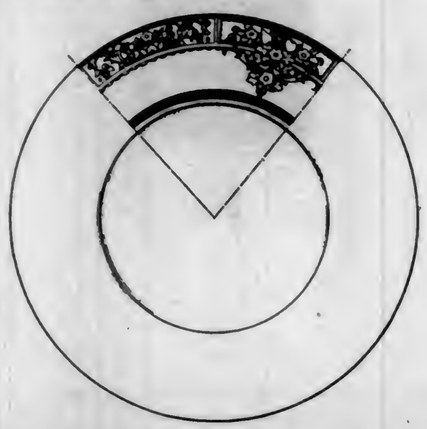
The ornamental design for a finger ring, as shown.

72,808. FINGER RING. ABRAHAM SHIMAN, Newark, N. J. Filed Apr. 5, 1927. Serial No. 21,467. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

72,809. PLATE OR SIMILAR ARTICLE. GEORGE WESP, New York, N. Y., assignor to Rosenthal China Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1927. Serial No. 20,585. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown and described.

72,810. ARM FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. CLARENCE G. WING, Lakewood, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 26, 1925. Serial No. 15,873. Term of patent 3½ years.

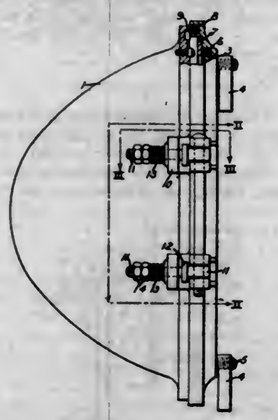


The ornamental design for an arm for lighting fixtures or similar articles substantially as shown.

PATENTS

GRANTED JUNE 7, 1927.

1,631,112. LOCOMOTIVE HEADLIGHT. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1923, Serial No. 671,232. Renewed Apr. 27, 1927. 2 Claims. (Cl. 240—41.)



1. The combination with a reflector case, an apertured light-transmitting door and a lock for fastening said door to said case, of a hinge on said door, said hinge comprising retaining members rigidly attached to said door and perforated brackets rigidly attached to said case, eye-bolts slidably mounted in said brackets, springs mounted on said eye-bolts tending to hold said door and case together, means for confining said springs against said brackets and means in said eye-bolts for limiting the movement of said eye-bolts in said brackets when the door is opened.

1,631,113. BOND FOR ELASTIC GRINDING WHEELS AND METHOD OF APPLYING THE SAME. EDWARD ANDERSON, Dayton, Ohio, assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 21, 1925. Serial No. 17,437. 6 Claims. (Cl. 51—280.)

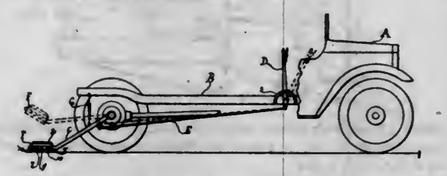
1. The method of coating grains of abrasive material, which comprises dissolving shellac in a volatile solvent, putting the required quantities of the solution and granulated abrasive material into a mixer and mixing thoroughly, adding a desired quantity of linseed oil and continuing the mixing constantly until the solvent has evaporated.

1,631,114. POWER-PROPELLED RUNNER ATTACHMENT FOR MOTOR VEHICLES. GUSTAF B. ANDERSON, Minneapolis, Minn. Filed Nov. 25, 1924. Serial No. 752,097. 2 Claims. (Cl. 305—10.)



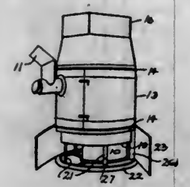
2. A traction chain of the character described consisting of links connected by pivots, certain of said links each comprising a pair of side bars connected by a transverse cross member, a lug arranged between the side bars and carried by one of the link pivots, and a spring arranged between the lug and said cross member.

1,631,115. GROUND BRAKE. CHARLES E. ATWOOD, Binghamton, N. Y. Filed Apr. 2, 1926. Serial No. 99,241. 3 Claims. (Cl. 188—5.)



1. In a combination with a vehicle a bar having its inner end pivotally connected with the rear axle, resilient means for holding the outer end of the bar and shoes mounted therein normally off of the ground, a removable and reversible shoe mounted on the end of the bar for contact with the ground, means for adjustably applying the shoe to the ground surface by causing the same to contact with the ground with varied fixed degrees of pressure.

1,631,116. FURNACE. EDWARD BARELMAN, Guelph, Ontario, Canada. Filed May 20, 1925. Serial No. 31,721. 4 Claims. (Cl. 126—99.)

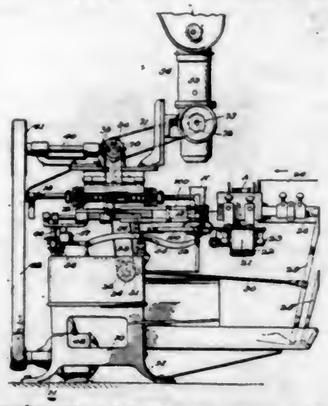


1. A furnace construction including a heating element, an outer casing secured about a portion of said element and forming therebetween a heating chamber, said casing having an opening in its lower section, and extending in a direction peripherally of the casing, and a closure plate of resilient flexible sheet material secured at one end rigidly and firmly along one end edge of the opening and biased through its resiliency to extend therefrom when free, divergingly away from the opening, and means to lock the free end portion of said closure plate releasably to the casing when said plate is sprung toward the opening to close the same.

1,631,117. WEIGHING MACHINE. GEORGE H. BENT, Battle Creek, Mich. Filed Feb. 26, 1924. Serial No. 695,298. 20 Claims. (Cl. 249—59.)

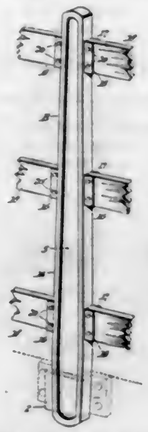
1. In an apparatus of the character described, receptacle filling means arranged in units spaced apart and each

adapted to supply material to a group of receptacles, means for conveying groups of receptacles to said filling



units at predetermined intervals, and means at one filling unit for weighing a group of filled receptacles independently of each other.

1,631,118. STAKE FOR TRUCKS, WAGONS, AND OTHER VEHICLES. WILLIAM BURKART, Denver, Colo. Filed June 29, 1925. Serial No. 40,404. 2 Claims. (Cl. 296—43.)



1. A hollow metal stake of the character described comprising two channel-like sheet metal members, which are secured one within the other with the open sides of the channels facing each other, thereby forming a stake having a double thickness of metal along opposite sides thereof, the overlapping side members of each side being slitted at intervals to release tongues which are bent out at right angles to said side members, thereby forming rail-receiving openings through the stake, said tongues being provided with bolt holes, the end portions of the members being bent over at right angles to close the ends of said stake.

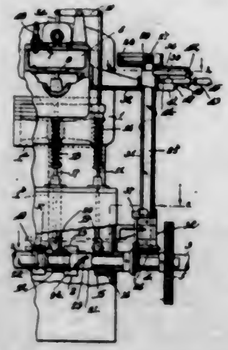
1,631,119. PULVERIZED-FUEL FEEDER. HARRY RAYMOND COLLINS, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Mar. 2, 1922. Serial No. 540,641. 4 Claims. (Cl. 198—64.)

1. A feeder for pulverized fuel and the like comprising a main section having an inlet, a plurality of auxiliary cylindrical sections connected end to end to form a casing connected at one end to the main section, each auxiliary section being made up of plate members connected to each other along their adjacent lateral edges to complete the



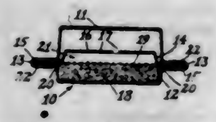
section and provided at their ends with means by which adjacent sections may be connected together, a feed screw extending through the casing and the main section, and means outside the casing for connecting the feed screw to a source of power.

1,631,120. INTERNAL-COMBUSTION ENGINE. LEONARD H. DYER, New York, N. Y. Original application filed May 29, 1923, Serial No. 642,231, Patent No. 1,560,506. Divided and this application filed Aug. 27, 1925. Serial No. 52,719. 13 Claims. (Cl. 23—41.)



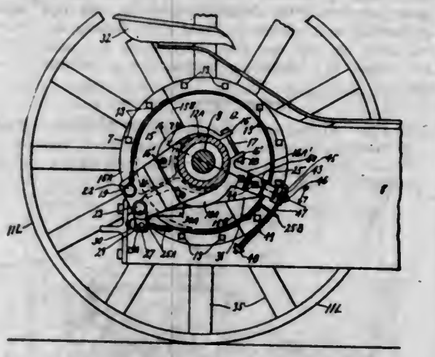
1. In a reversible internal combustion engine of the character described, the combination with an ignition control mechanism adjustable to time the ignition in the cylinder with reference to the position of the piston therein in respect to engine operation in one direction, of a shifting device controlling the valves to effect a reversal of the direction of engine operation automatically when the engine speed is slackened by a temporary cessation of the firing of the explosive mixture, and means controlled by the engine in rotating in the opposite direction for shifting the ignition mechanism to control the engine operation in said opposite direction in the same manner as in the original direction of operation.

1,631,121. INSECT DESTROYER. EDWARD ECKL, Los Angeles, Calif. Filed Aug. 9, 1926. Serial No. 128,308. 4 Claims. (Cl. 43—131.)



1. An insect destroyer comprising a metal casing filled with poison; a perforated cover forming a part of said casing, and a protecting-hood, fixed on said casing over said perforated cover in spaced relation thereto, said hood having openings to permit the entrance of insects between said hood and said cover.

1,631,122. TRACTOR BRAKE. THEOPHIL J. FETCHER, Norwalk, Wis. Filed Jan. 7, 1926. Serial No. 79,773. 2 Claims. (Cl. 188—77.)



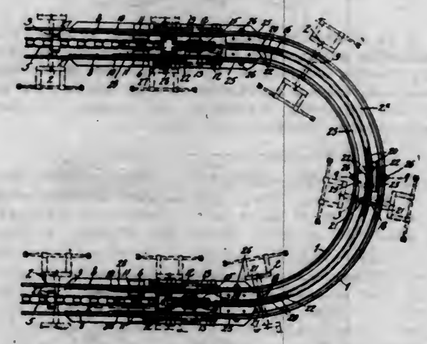
1. In a tractor having a pair of drive wheels, a differential housing intermediate thereof, a hollow axle housing extending from the differential housing and tapering toward each wheel; a brake drum detachably securable to the inner part of each wheel hub, a semi-conical shell tapered to conform to the axle housing and detachably securable to the rearwardly and downwardly exposed part of each of said axle housings, a pair of parallel shafts arranged parallel to the center line of the axle housing and journaled in said shell, a contracting brake band removably fixed with one end to one of said shafts, a clevis on the outer end of the other shaft, a foot lever mounted on the latter shaft, a block pivotally retained between the arms of said clevis, said brake band threaded at its free end and adjustably retained in said block to contract the band, means for retaining said shafts the brake band and foot lever in selective positions relative to the position of the brake drum, each of said shells having a pair of rearwardly projecting webs in which said parallel shafts are journaled, said means for retaining the shafts in various positions consisting of collars slidable on said shafts and adapted to be fixed thereto and in contact with said webs when the brake band is alined with the drum, and a link connecting the shafts outwardly of the outer web.

1,631,123. FIREPLACE. WALTER W. GUY, Oak Park, Ill., assignor to Colonial Fireplace Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 7, 1925. Serial No. 48,823. 10 Claims. (Cl. 126—288.)



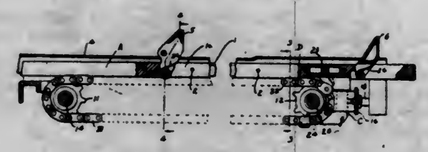
2. A fireplace having a pivoted damper, a pivoted lifter, a link connecting said lifter and damper, a pivoted operating member, a finger on said operating member, and a cam carried by said lifter in operative contact with said finger, said operating member having a handle portion extending downwardly and rearwardly and being accessible from in front of the fireplace.

1,631,124. CONVEYER. WESLEY F. HALL, Matawan, N. J., assignor to The Hanson & Van Winkle Company, Newark, N. J., a Corporation of New Jersey. Filed May 17, 1926. Serial No. 109,721. 7 Claims. (Cl. 198—20.)



1. In a conveyer of the class described, the combination comprising straight longitudinal conveyers, propelling means therefor, curved end conveyers, and propelling means therefor, the latter adapted to drive the end conveyers at a greater speed than the longitudinal conveyers.

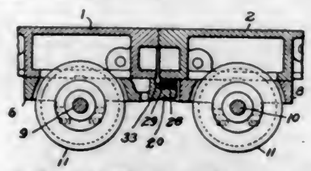
1,631,125. RECIPROCATING FEEDER. ALBERT W. HAPPEL, Toledo, Ohio, assignor, by mesne assignments, to The Uline Ice-Scoring Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 17, 1923. Serial No. 681,258. 12 Claims. (Cl. 198—24.)



1. The combination with a reciprocatory feeder, of an endless flexible member having oppositely travelling portions elongated in substantial parallelism to the direction of reciprocation of said feeder, drive elements carried by said flexible member upon opposite sides thereof, and a projection attached at one end to said feeder and extending across both of said oppositely traveling portions and having paired shoulders at opposite sides of each of said portions engageable by said drive elements to alternately actuate the feeder forward and back.

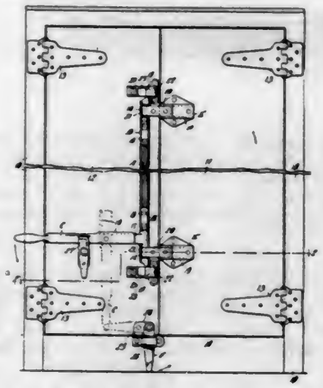
11. The combination with a reciprocatory feeder, of an endless chain for actuating said feeder, sprocket wheels for mounting said chain, one of which is movable to and from the other, a pair of fixed rods disposed upon opposite sides of the feeder, and a bearing member associated with the feeder having an intermediate portion constituting a bearing for said movable sprocket and having laterally spaced bearing portions slidably engaging said rods.

1,631,126. PLATE-GLASS SURFACING CAR. ALFRED L. HARRINGTON, Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Jan. 22, 1924. Serial No. 687,706. 6 Claims. (Cl. 51—240.)



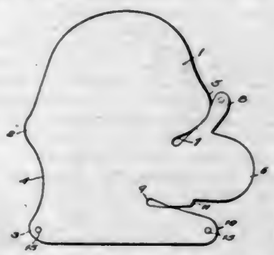
1. In combination with a pair of abutting cars having means for locking them together, of means for maintaining the top surfaces of the abutting ends flush, which comprises a plate or member on each car on each side thereof projecting forwardly and engaging a downwardly facing surface on the other car.

1,631,127. DOOR-OPERATING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Feb. 6, 1924. Serial No. 691,019. 9 Claims. (Cl. 268—73.)



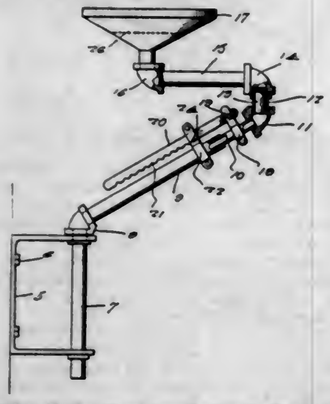
1. In a door operating mechanism, the combination with a member having a door opening and provided with a pair of pivoted doors; of a pair of keepers, one of which is secured to one of said doors within the confines thereof; and an operating shaft carried by the other door within the confines thereof and cooperating with said keepers to operate said doors.

1,631,128. HAND GUARD. CHARLES G. HINZE, Evanston, Ill. Filed Sept. 9, 1926. Serial No. 134,499. 4 Claims. (Cl. 2—20.)



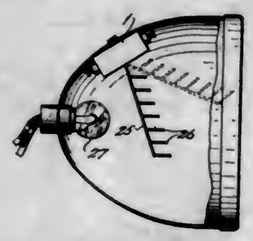
1. A hand guard comprising a body adapted to be placed upon the hand of a user, said body having extended portions at the wrist end at each side, and other extensions from said body at each side intermediate the ends, the last mentioned extension on one side of the body being a greater distance from the inner part of said body than its opposed extension, securing means connecting said extensions, said body having an integral extension on said one side constituting a thumb portion and strap, and projecting beyond the extensions at said side.

1,631,129. AUTOMOBILE OIL-DRAIN DEVICE. ELMER R. HISCOX, Chicago, Ill., and CHARLES I. HISCOX, La Crosse, Wis. Filed May 11, 1926. Serial No. 108,438. 3 Claims. (Cl. 221—69.)



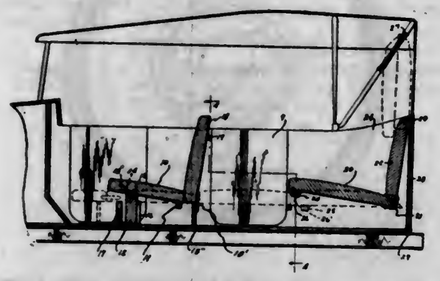
1. A device of the class described including a funnel, a pipe leading from the funnel, a second pipe, a swivel joint between the first and second pipes, a third pipe telescoped over the second pipe, and a fourth pipe engaged with the third pipe, and means for rotatably mounting the fourth pipe.

1,631,130. SHIELD FOR AUTOMOBILE HEADLIGHTS. CARL PERRY HOEFLER, Syracuse, N. Y. Filed Apr. 28, 1924. Serial No. 709,506. 1 Claim. (Cl. 240—45.)



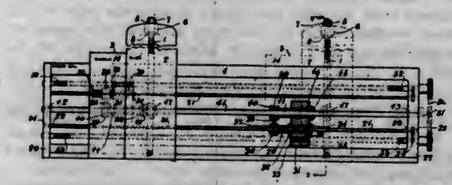
A glare eliminating device having in combination a casing, a solenoid in the upper part of said casing, a second solenoid in the lower part of said casing, cores in both of said solenoids, a shaft connecting said cores and passing thru the center thereof, pistons at both ends of said shaft, air chambers surrounding said pistons, small external openings in said chambers, adjusting pins regulating the size of said openings, an arm projecting laterally from said shaft, a pin at the end of said projection, fingers slidingly engaging said pin, a rod extending from said fingers, a pin rotatably attaching said rod to said casing, an end of said rod projecting from said casing, a transparent plate mounted upon said projecting end, vanes rising at an angle from said plate, a third solenoid mounted in said casing opposite to said projecting rod, a core for said third solenoid, a link attached to said core, a dog controlled by said link, a spring attached to the rear end of said dog, teeth projecting from said shaft and engageable by said dog, a system of wiring whereby said third solenoid may be thrown in parallel with either of said first or second solenoids, a dash switch controlling said wiring system, and means for attaching said casing to the housing of a headlight.

1,631,131. VEHICLE BODY. ALBERT HOELDTKE, Detroit, Mich. Filed Jan. 22, 1923. Serial No. 614,154. 2 Claims. (Cl. 155—7.)



1. In combination with a vehicle body having sides and a back mounted thereon and provided with a floor, a comparatively thin vertically extending supporting member mounted on said floor extending transversely thereof; a seat back; a hinge secured at one end to the rear surface of said seat back adjacent the lower edge thereof, the opposite end being secured to the rear surface of said supporting member adjacent the upper edge thereof, said seat back being normally upwardly projecting and slightly inclined to the plane of said supporting member and adapted for swinging rearwardly into horizontal position; a supporting bracket mounted on the sides of said body adjacent said support and positioned forwardly thereof; a seat forming member adapted normally for engaging adjacent its rear edge said supporting bracket said seat forming member being forwardly and upwardly inclined; a supporting member hingedly connected to said seat forming member adjacent the forward edge thereof and adapted for supporting said seat forming member in inclined position, said seat forming member being adapted for movement into engagement at its rearward end with said first-mentioned supporting member, said hingedly connecting supporting member being adapted for movement into horizontal alignment with said seat forming member; means mounted on said floor for supporting the forward end of said seat forming member upon movement of said hingedly mounted supporting member into horizontal position; and means for supporting said hingedly mounted supporting member in horizontal position.

1,631,132. METAL-PLANING MACHINE. CHARLES G. JOHANNESMEYER, Glendale, Ohio, assignor to The Liberty Machine Tool Company, Hamilton, Ohio, a Corporation of Ohio. Filed July 20, 1925. Serial No. 44,771. 3 Claims. (Cl. 90—49.)



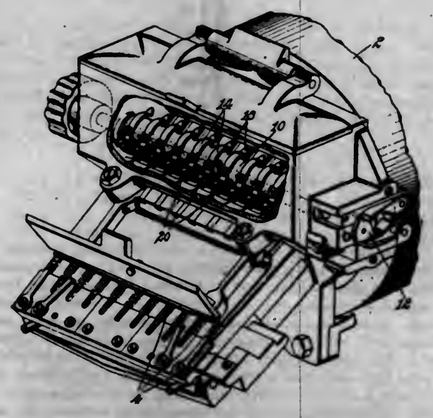
1. In combination with a metal planing machine, a cross rail suitably mounted, a saddle slidably mounted on said cross rail, a slide slidably mounted on said saddle, a longitudinal shaft mounted on said cross rail, a manually operative lever fixed to said shaft, a stationary screw fixed to said slide, a nut gear threaded to said screw and rotatably mounted in said saddle and secured against vertical movement therein, a threaded member fixed to said longitudinal shaft, a nut threaded to said threaded member, a driving shaft rotatably mounted in said cross rail, means for rotating said driving shaft, a gear keyed to said driving shaft and adapted to operatively connect with said nut gear whereby operation of said manually operative lever is adapted to mesh said driving shaft gear with said nut gear for elevating and lowering said slide relative to said saddle.

1,631,133. MOUTH CLEANING AND MASSAGING DEVICE. ERWIN J. JONES, St. Paul, Minn. Filed Aug. 9, 1926. Serial No. 128,025. 1 Claim. (Cl. 15—244.)



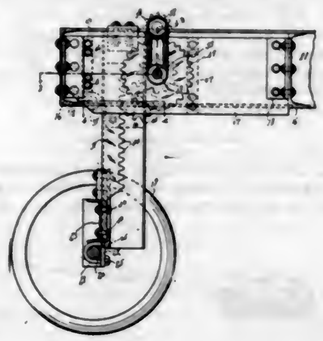
In a cleaning device of the class described, a handle, a porous sponge pad secured at one end of the handle and adapted to be used in a human mouth said pad end of the handle having a longitudinal rib extended at both ends so as to form two opposite projections, said spongy head having a longitudinal cavity receiving said rib and the adjacent part of the handle, and said cavity having pockets in its ends for snugly receiving the said projections of the ribs.

1,631,134. TACK-SUPPLYING MECHANISM. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 29, 1922. Serial No. 609,666. 11 Claims. (Cl. 1—6.)



3. In tack-supplying mechanism, the combination with a raceway for tacks, of means for dislodging misplaced tacks from the raceway, said means comprising a rotatable carrier and a tack-clearing finger of resilient material on said carrier so formed as to enter the raceway and to engage and dislodge misplaced tacks and arranged to extend in the general direction of the length of the raceway when in tack-dislodging position, said finger being yieldable toward the axis of the carrier in response to abnormal resistance of the tacks to its movement along the raceway.

1,631,135. LANDING AND RAISING GEAR FOR SEMI-TRAILERS. IRVING H. JUDD, Detroit, Mich., assignor to Whitehead and Kales, Inc., River Rouge, Mich., a Corporation of Michigan. Filed Aug. 24, 1925. Serial No. 52,245. 13 Claims. (Cl. 280—33.1.)



1. In a semi-trailer construction, a pair of ground engaging wheels, means adjustably supporting said wheels, and adjusting means therefor, including a rack, a planetary gearing and a train of gears connecting said rack and planetary gearing.

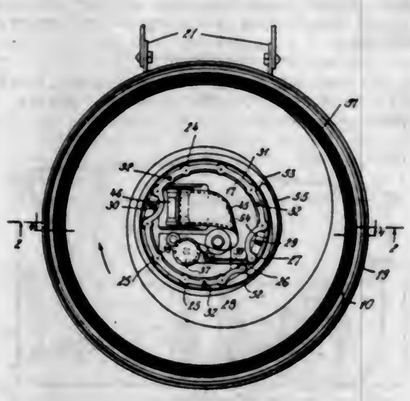
1,631,136. VANITY CASE. NATHAN KASDAN, Bronx, N. Y. Filed Sept. 25, 1925. Serial No. 58,571. 4 Claims. (Cl. 132—83.)



1. A vanity box comprising, two telescopic sections, a front section and a rear section, the rear section consisting of a disk portion and a cylindrical portion, the front section consisting of a ring portion and a cylindrical portion, a mirror for closing the opening in the ring portion, and means holding the mirror in position against the ring portion, each cylindrical portion being provided with holes adapted to register when the two sections are turned relatively to each other, and cooperating means on the cylindrical portions for detachably holding the sections of the box together.

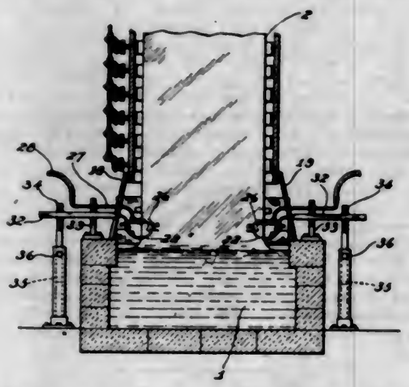
1,631,137. FILM-FEEDING APPARATUS. FORREST JAMES KINCADE, New York, N. Y., assignor, by mesne assignments, to Charles I. Link, Denver, Colo. Filed June 11, 1924. Serial No. 719,240. 11 Claims. (Cl. 88—18.7.)

1. In a film-feeding apparatus for feeding a film strip from the center of a coil, a plurality of circularly spaced friction-reducing rollers constituting a bearing about which the film coil rotates, and a guard member for bridging the spaces between a plurality of the rollers for preventing the entrance of the film therebetween, said



guard member having a film loop-removing pocket formed therein by which a loop formed in the film strip is removed as it passes around the exterior of said member.

1,631,138. GLASS-DRAWING APPARATUS. WALTER G. KOUPAL and JOSEPH S. GREGORIUS, Mount Vernon, Ohio, assignors to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 14, 1926. Serial No. 141,563. 4 Claims. (Cl. 49—17.)

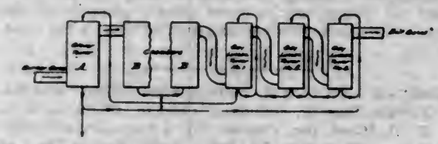


1. The combination with apparatus arranged to draw a glass sheet from an open pool of molten glass, of means for preventing inward movement of the edge of the sheet in said pool, comprising a shielding bowl above the glass, but closely adjacent thereto, and having a slot extending inward from its edge and fitting around the edge of the sheet, cooling means for the bowl, and reflecting members projecting outward from the bowl on each side of the slot.

1,631,139. PROCESS FOR THE MANUFACTURE OF SULPHURIC ACID. ELDON L. LARISON, Anaconda, Mont. Filed Mar. 3, 1926. Serial No. 92,004. 6 Claims. (Cl. 23—167.)

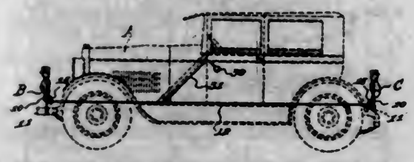
1. In the operation of a sulphuric acid plant comprising a denitrating tower and an oxids of nitrogen recovery tower the steps which consist in delivering denitrated acid from the denitrating tower to the inlet of the oxids

of nitrogen recovery tower, returning a portion of the acid flowing from the oxids of nitrogen recovery tower to the



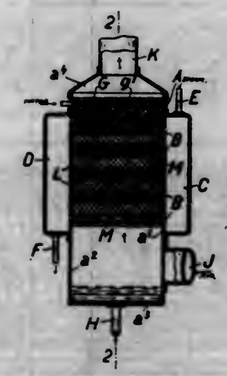
inlet thereof, and delivering the remainder of the acid flowing from said oxids of nitrogen recovery tower to said denitrating tower.

1,631,140. TRAFFIC SIGNAL FOR VEHICLES. JOHN E. LOCK, Lowell, Mass. Filed Sept. 14, 1926. Serial No. 135,376. 1 Claim. (Cl. 116—51.)



A traffic signal for vehicles comprising front and rear similar signaling units, a rotatably journaled rod extending longitudinally of the vehicle and operatively connected with both of said signaling units, a shaft extending along the steering column of the vehicle, an arm carried by the shaft positioned normally between the knees of the operator and adapted to be oscillated in either direction by swaying action of the knees, connecting means adapted to transmit the oscillation from the shaft to the rod, and means to adjust the steering column shaft longitudinally for the accommodation of drivers of different physiques.

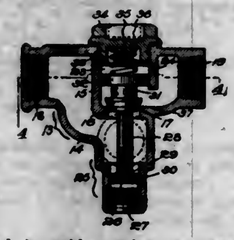
1,631,141. SURFACE CONDENSER. RUDOLF LORENZ, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed July 17, 1925. Serial No. 44,403, and in Germany Aug. 14, 1924. 5 Claims. (Cl. 257—37.)



1. A surface condenser, comprising a nest of spaced condensing tubes, means for supplying a cooling liquid and bringing it into contact with the tubes, and filling bodies of large surface filling the spaces between said tubes.

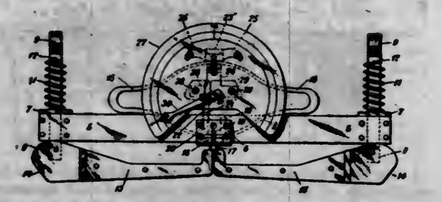
1,631,142. WATER-SUPPLY SYSTEM AND VALVE THEREFOR. JOHN HOWARD MASTERS, Dayton, Ohio, assignor to The Valle-Kimes Company, Dayton, Ohio, a Corporation of Ohio. Filed June 12, 1920. Serial No. 388,604. 9 Claims. (Cl. 251—146.)

1. In a water check device for a water supply system, a valve casing having a web therein, a portion of which web is transverse to the axis of the valve and is provided with a valve opening, and a portion of which web, constituting an upward continuation of said transverse portion, extends lengthwise the stem of said valve and constitutes a prolonged, substantially cylindrical, receiving and guiding portion at one side of the valve,



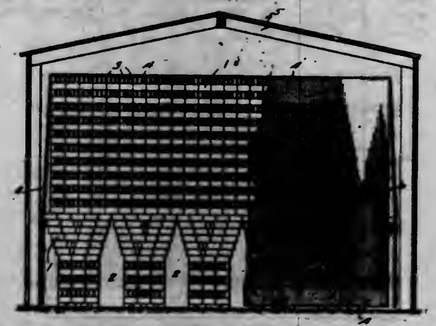
a valve seated in said opening and having upon its stem above said valve opening a piston-like portion received and guided by said lengthwise extending portion of said web, and means to permit water of the system to pocket between the said piston-like portion and the valve casing.

1,631,143. DEFLECTION DYNAMOMETER. EDGAR M. MATTHEWS, Jamaica, N. Y., and JAMES A. CARR, East Orange, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 6, 1926. Serial No. 146,777. 8 Claims. (Cl. 265—1.)



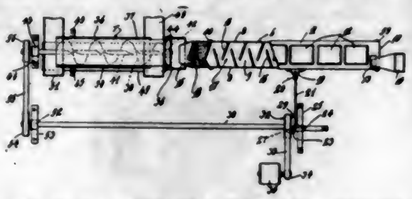
1. A deflection dynamometer comprising a beam, a spring longitudinally associated with said beam, hook members at each end of the beam for engaging a strand, means associated with the hook members to cause said strand to be deflected out of line, and means controlled by said spring for indicating the amount of such deflection.

1,631,144. METHOD AND MEANS FOR BAKING BRICK. JAMES MCLAUGHLIN, Dolton, Ill., assignor to Richard Fitzgerald, Chicago, Ill. Filed Jan. 11, 1926. Serial No. 80,627. 8 Claims. (Cl. 25—132.)



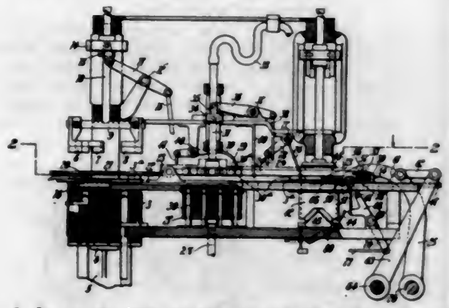
4. A scoving for baking brick comprising a plurality of loosely associated sheets of heat-retaining material placed over a stack of bricks to be baked and resting thereon.

1,631,145. METHOD OF MAKING A RICE PRODUCT. JESSE F. NEWMAN, Los Angeles, Calif. Filed Oct. 28, 1925. Serial No. 65,330. 5 Claims. (Cl. 99—11.)



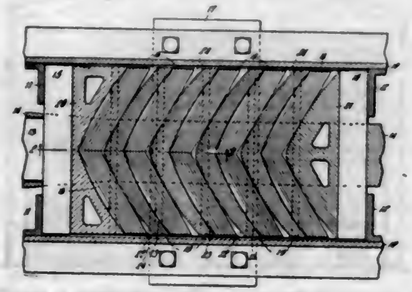
1. The method of making a rice product consisting in heating unhulled popping rice having no more than its natural water content to a temperature sufficient to cause the steam generated within the hulls of the rice to burst open the hulls.

1,631,146. ENVELOPE MACHINE. ABRAHAM NOVICK, Brooklyn, N. Y., assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 15, 1921. Serial No. 500,796. 16 Claims. (Cl. 93—61.)



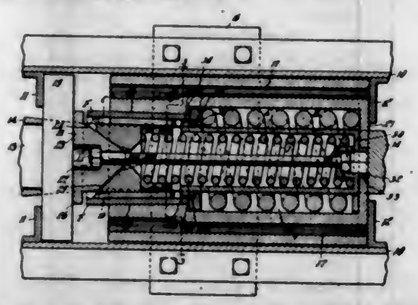
1. In an envelope machine having three stations, the combination of instrumentalities arranged and operating in one line for advancing the envelope blank from the first station to the third station comprising reciprocating means moving in one direction for advancing the blank from the first to the second station, and other reciprocating means, independent of said first means, moving in the opposite direction for receiving the blank from the first reciprocating means and then reversing its direction of travel for continuing the advancement of the blank to the third station.

1,631,147. SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 5, 1924. Serial No. 711,027. 10 Claims. (Cl. 213—30.)



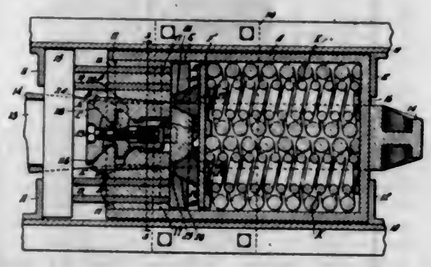
1. In a shock absorbing mechanism, the combination with pressure-transmitting means; of a plurality of groups of flexible plate springs of V-shape coacting therewith; and a plurality of substantially V-shaped spacing members intermediate the adjacent groups of springs, said springs and spacers being constructed so that the springs will be flexed along a plurality of lines spaced transversely of the longitudinal axis of the mechanism.

1,631,148. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed May 7, 1925. Serial No. 28,534. 16 Claims. (Cl. 213—33.)



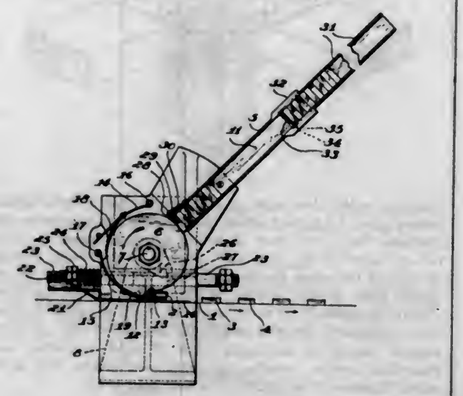
1. In a friction shock absorbing mechanism, the combination with column-load-sustaining member; of a plurality of friction elements disposed at one end of said member, all of said elements being movable as a unit during a predetermined portion of the compression stroke; means co-operating with the other end of said member for arresting movement of certain of said elements after a predetermined compression of the mechanism and permitting the remaining friction elements to be moved relatively thereto; a follower, said follower and members being movable relatively toward and from each other; combined restoring and cushioning spring means; and lateral pressure creating means co-operating with said friction elements for pressing the same into intimate frictional contact upon relative approach of said follower and member.

1,631,149. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 26, 1926. Serial No. 131,588. 4 Claims. (Cl. 213—33.)



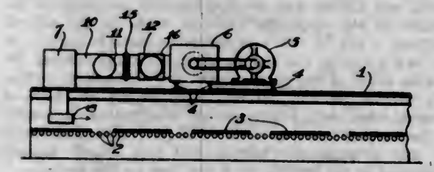
1. In a friction shock absorbing mechanism, the combination with a follower acting member and a follower relatively movable toward and away from each other; of a plurality of relatively stationary friction plates anchored to said member against longitudinal movement, but responsive to laterally applied pressure; of a main spring resistance; wedge acting means adapted to apply lateral pressure to said friction plates; pressure transmitting elements interposed between the friction plates and extending beyond said wedge acting means and interposed between the follower and main spring resistance; and pressure equalizing means interposed between the spring resistance and wedge acting means and co-operating with the pressure transmitting elements.

1,631,150. BLANK-FEEDING DEVICE. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 9, 1925. Serial No. 42,513. 4 Claims. (Cl. 198—30.)



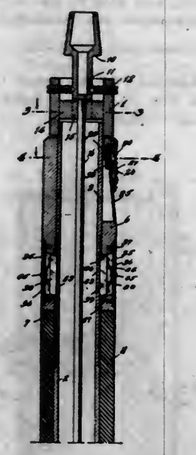
1. In combination with a carrier for glass blanks, which are to be heated, a wheel mounted above the carrier for rotation in the direction of travel of the carrier, said wheel having at its edge a feeding shoulder with the peripheral surface of the wheel to the rear of the shoulder formed on a curve which gradually approaches the center of rotation of the wheel, a chute leading to the peripheral surface of the wheel and adapted to feed the glass blanks carried thereby to position for engagement by said shoulder, means for giving the wheel a movement of rotation such as to deliver the blanks from the chute to the carrier at the desired intervals, guide means in opposition to the periphery of the wheel for maintaining the blanks from the chute in contact with the wheel until they reach the lower side thereof, a plate mounted upon the carrier in position to receive the blanks from the wheel, and means for reciprocating said plate at timed intervals.

1,631,151. CONTROL APPARATUS FOR LEERS. JOSEPH CARL PARKINSON, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 14, 1926. Serial No. 141,545. 4 Claims. (Cl. 49—46.)



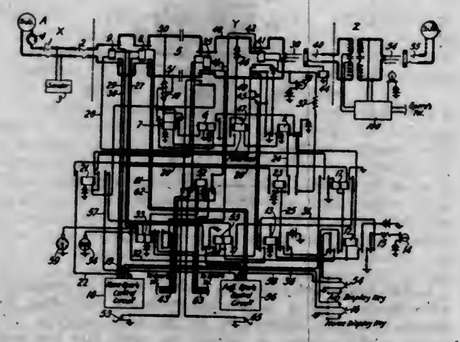
1. In combination with a tunnel leer, conduit means lying in the outlet end of the leer and directed longitudinally thereof, and blower means connected therewith and arranged so as to cause a flow of air through the conduit in either direction.

1,631,152. PLUG FOR OIL WELLS. BENJAMIN E. PARRISH, Honey Grove, Tex., assignor of one-half to D. W. Maurer, Dallas, Tex. Filed Aug. 11, 1925. Serial No. 49,536. 2 Claims. (Cl. 166—13.)



1. A well plug or similar appliance comprising a tubular body, an expansible packing thereon, a member at one end of the tubular body engaging the packing, a member slidable on the tubular body and engaging the other end of the packing to expand the latter by convergent movement of said members, means for applying a positive upward pull to expand the packing, clamping means on the member last mentioned to engage a well bore or casing and lock said member against upward movement, clamping means intermediate said member and the tubular body to prevent downward movement of the body in relation to said member and thus retain the packing in expanded position, a valve for closing the passage through the tubular body, a spring tending to close the valve, and means normally retaining the valve in open position.

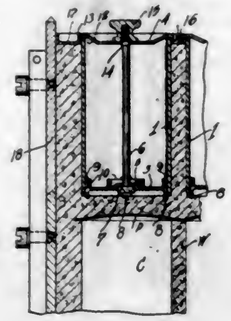
1,631,153. TRUNK CIRCUITS. GEORGE H. PETERSON, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 25, 1926. Serial No. 90,644. 9 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of operators' positions, a trunk circuit incoming to one of said positions and terminating in a plug, a trunk signal, means at

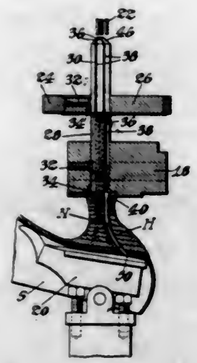
each operator's position operable by the operator thereat in response to said signal, a telephone set at each operator's position, and means automatically responsive to the insertion of said plug into an outgoing line jack for disconnecting the talking conductors of said trunk circuit and for connecting said plug to the telephone set of that operator's position which has responded to said signal.

1,631,154. MOLDING CORE. JOHN C. POETZ, Leonia, Idaho. Filed Dec. 21, 1925. Serial No. 76,584. 4 Claims. (Cl. 25—131.)



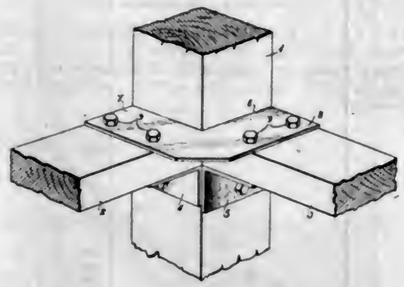
1. The combination with a core body having an open top and bottom, of removable top and bottom plates, a tie bolt and nut connecting said plates, and means for retaining in position the clamped top and bottom plates.

1,631,155. ART OF HEELING SHOES. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 16, 1920. Serial No. 389,397. 6 Claims. (Cl. 12—147.)



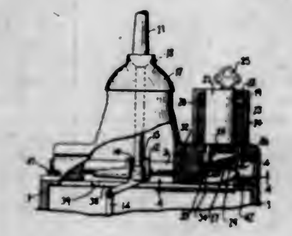
1. The method of attaching heels to shoes by means of nails having each a radial longitudinally extending fin spaced from the extremities of the nails opposite the points, which consists in driving the nails into the heel and shoe under the guidance of the fins to position said nails angularly about their axes and until said fins are in proximity to the tread end of the heel, and forcing a toplift upon the projecting extremities of the nails.

1,631,156. DERRICK. CLARK E. RANNEY, Tulsa, Okla. Filed Aug. 9, 1926. Serial No. 128,238. 1 Claim. (Cl. 20—0.5.)



The combination with a derrick having a rectangular corner post, of a pair of independent angle members, the vertical flange of each member being secured to said corner post along one side thereof with said flanges occupying the same horizontal plane when attached to the corner post, girths resting on and supported by the horizontal extensions of said members, and a brace formed of a continuous piece of relatively flat metal and of angle shaped formation overlying both of said members, and fastening devices passing through said girths, the horizontal flanges of said members and said brace.

1,631,157. TRANSMISSION LOCK. WALTER M. REASON, Pontiac, Mich., assignor to Elizabeth Ballamos, Pontiac, Mich. Filed Dec. 14, 1922. Serial No. 606,948. 2 Claims. (Cl. 70—126.)

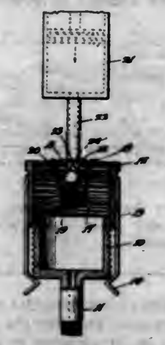


1. A transmission lock including a pair of operating members for the transmission, the said members being each provided with a notch adapted to be brought to opposed relation when in the neutral position, a lock comprising a longitudinally movable non-rotatable portion, a rotatable portion therein operable by a key, a locking block pivotally secured within the transmission casing and having lugs thereon adapted to engage in the notches of the operating members when in the neutral position, a pin on the longitudinally movable portion of the lock engaging the locking block, a spring holding the locking block in engagement with the said pin, a locking bolt carried by the non-rotatable portion of the lock adapted when extended to prevent longitudinal movement of the lock, the arrangement being such that rotation of the key retracts the locking bolt and allows upward movement of the locking block and lock by the spring.

1,631,158. GREASE CUP. JAMES WILLIAM RHOADES, Harris, Mo. Filed Apr. 30, 1924. Serial No. 710,080. 1 Claim. (Cl. 184—38.)

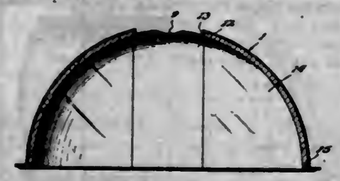
In a grease cup, a cap having a top wall provided with a filling opening, crossed U-shaped cage members having

the ends thereof inserted through the wall and formed with lugs connecting said members with the cap to form



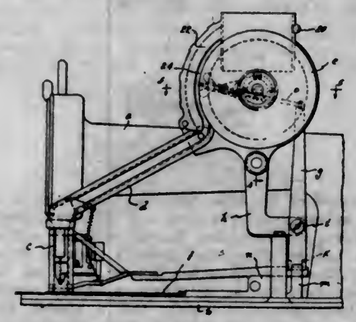
a cage depending from said top wall, a spring confined within the cage, and a valve normally held by the spring to close said opening.

1,631,159. HEADLIGHT REFLECTOR. ERNEST J. RICHARDS, Mineral Point, Wis. Filed Aug. 19, 1926. Serial No. 130,288. 2 Claims. (Cl. 240—41.)



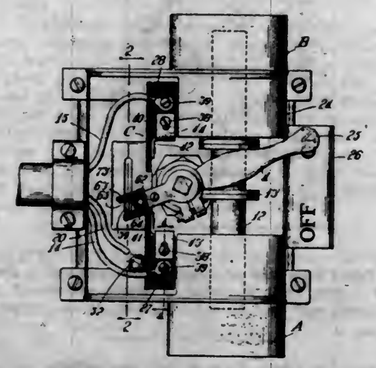
1. A reflector comprising a reflector shell having a portion of its reflecting surface offset forwardly to provide a reflecting area of substantially uniform width and extending vertically of said surface and whereby to provide shoulders at the opposite sides of said area, and light transmitting and modifying elements of substantially the form of quadrants of a hollow sphere disposed against the said surface of the shell at the opposite side of the light reflecting surface portion thereof and engaging against the said shoulders.

1,631,160. HOPPER CONSTRUCTION. FREDERICK N. ROSS, Detroit, Mich., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 26, 1925. Serial No. 52,561. 6 Claims. (Cl. 112—118.)



1. In a hopper construction, the combination of a hopper support, and a hopper having a flanged outer rim arranged to abut against the hopper support, said hopper provided with substantially radial agitating ribs each having an enlarged portion at the outer end adjacent the flanged outer rim of the hopper and extending flush with the face of the hopper to prevent the contents of said hopper from wedging in between the hopper rim and hopper support.

1,631,161. LIMIT SWITCH FOR VALVE-OPERATING MECHANISM. EDWARD A. RUSSELL, Chicago, and PAUL B. PARKS, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Sept. 5, 1925. Serial No. 54,799. 8 Claims. (Cl. 137—139.)

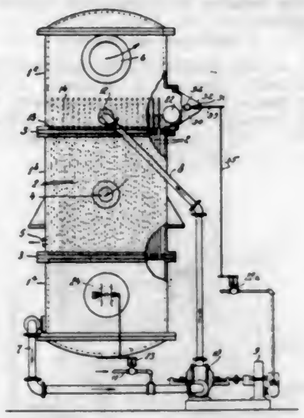


1. The combination with a valve comprising a rotary member, an operating lever connected with the rotary member, and a pair of solenoids for alternately swinging the lever in one direction or the other, of a limit switch comprising an insulating base, three separate electric terminal plates mounted on said base, a pair of similar fixed contacts carried by two of the plates each of these plates also being electrically connected with one terminal of one of the solenoids, an oscillatable member pivoted on the third plate and carrying contact members to alternately engage with the fixed contacts as the member is oscillated, a second operating lever pivoted on the base and connected with the first mentioned operating lever, and a spring mounted between portions of the second operating lever and oscillatable member whereby the spring will be stressed as the lever is moved to a position of alignment therewith, and will thereafter operate to snap the member from one fixed contact to the other.

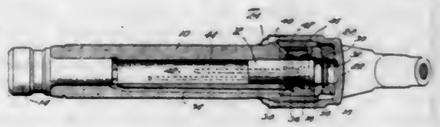
1,631,162. VERTICAL FILM-TYPE EVAPORATOR. LESLIE EARL SEBALD, Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 25, 1924. Serial No. 709,028. 6 Claims. (Cl. 257—224.)

1. An evaporator of the class described comprising a plurality of heat transferring tubes, means for bringing a heating medium into heat exchanging relation with the exterior of the tubes, a liquid chamber adjacent the upper ends of said tubes, wherein a quantity of liquid is maintained submerging the said tube ends, vapor tubes concentric with said heating tubes and extending into the open ends thereof to thereby constitute an inlet passage for the water through the annular space between the outer wall of the vapor tube and the inner wall of the heating tube, means for automatically maintaining a substantially constant liquid level in said chamber to thereby insure a correspondingly constant rate of delivery of liquid to said heating tubes, said means including a float in said liquid chamber, a valve operated by said float, a collection chamber below said liquid chamber, connections between said liquid chamber and said collection chamber, a variable speed pump in the connecting

line between said collecting chamber and said liquid chamber, and connections between said float controlled valve and said pump, and means whereby the said constant liquid level may be controlled to occur at a desired height in the shell including a weight adjustably associated with said float to vary the submergence thereof.



1,631,163. FLUID-PRESSURE-ACTUATED TOOL. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Oct. 27, 1920, Serial No. 419,793. Renewed Oct. 21, 1926. 3 Claims. (Cl. 121—12.)



1. A pressure-fluid-actuated tool comprising, in combination, a cylinder having a piston reciprocable therein, a valve casing located at the rear end of the cylinder in alinement with the piston chamber, a valve member slidable in said casing and adapted to receive the rear end of the piston, said valve having large and small pressure areas formed on its outer periphery, and means for automatically shifting the valve member comprising a passage formed in the valve casing exteriorly of the valve member and communicating at one end with the small pressure area of the valve member and at its other end with the interior of the cylinder forwardly of the valve member, and a second passage formed in the rear end of the cylinder and communicating at its rear end with a source of pressure fluid supply and opening at its forward end into the piston chamber adjacent the forward end of the first mentioned passage, said passages at their adjacent ends being arranged to be controlled by the piston.

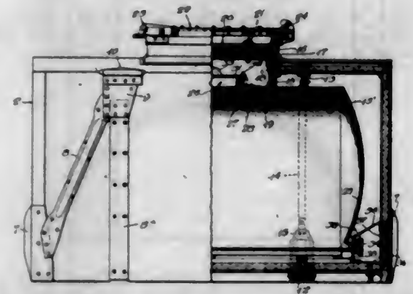
1,631,164. SECTIONAL RAILROAD CAR. ALFRED H. SMITH, Chappaqua, N. Y.; Maude Emery Smith and Emery Holland Smith, executors of Alfred Holland Smith, deceased, assignors to The Less Carload Lots Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 13, 1922. Serial No. 587,982. 11 Claims. (Cl. 105—366.)

1. The combination with a support, a plurality of containers positioned side by side thereon, a door in one of the vertical walls of each container, a plurality of independent members carried solely by the support, one for each container, and adapted to project above the floor



of the support for locking the door of each container independently of the other doors when the containers stand on the support.

1,631,165. SECTIONAL REFRIGERATOR CAR. ALFRED H. SMITH, Chappaqua, and EDWARD G. MINER, Rochester, N. Y.; said Miner assignor to Pfaudler Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 3, 1922, Serial No. 592,144, and in Canada Aug. 17, 1922. 4 Claims. (Cl. 220—9.)



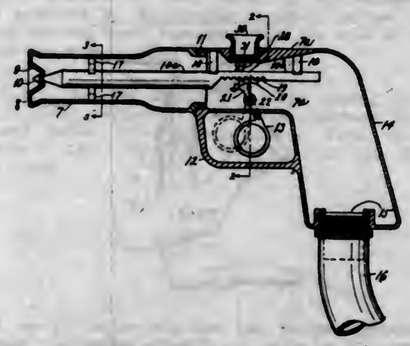
1. A shipping container having spaced top, bottom, end and side walls, suitable insulation between said spaced walls, a man hole in one of said walls and a cover for the same, a receptacle fixedly secured within said container, an inlet for said receptacle registering with said man hole, an outlet for said receptacle, a port in a wall of the container registering with said outlet, and a cover for the inlet port of the receptacle.

1,631,166. SELF-CLOSING STOPCOCK. EARL V. SPRAGUE, Davenport, Iowa, assignor of one-third to Everett C. Wilson and one-third to Harry J. Hilson, Davenport, Iowa. Filed Mar. 14, 1923. Serial No. 625,132. 3 Claims. (Cl. 251—149.)



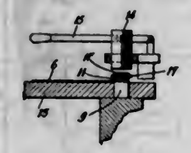
3. A device of the class described, comprising a body member having a tapered bore and a valve-member of corresponding shape rotatable therein, said body and valve members having interacting elements capable of automatically unseating the valve member upon an initial rotary movement thereof, by causing a limited movement thereof lengthwise of its seat; and a tension device, adapted to return said valve to its original rotative position after being rotated, and also capable of causing a reseating of said valve-member, after the same has been unseated.

1,631,167. NOZZLE. RUSSELL THERAU, St. Paul, Minn. Filed Dec. 14, 1925. Serial No. 75,278. 1 Claim. (Cl. 299—131.)



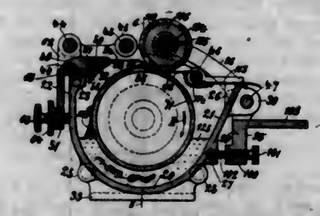
A nozzle resembling a pistol in form and having a hollow body, barrel and hilt and a connection for a supply hose on the hilt, and the muzzle of the barrel having a reduced outlet opening, a valve arranged at said opening and having a rod slidable but not rotatable in the barrel and body, and provided at the under side of its rear portion with a rack, a toothed sector engaging the rack, a shaft fixed on the sector and journaled in the body of the device, a trigger fixed on one end of said shaft and disposed into a trigger-guard in the lower part of the body.

1,631,168. RHEOSTAT. ALFRED E. WALLER, Bronxville, N. Y., assignor to Ward Leonard Electric Company, a Corporation of New York. Filed May 7, 1924. Serial No. 711,564. 9 Claims. (Cl. 201—58.)



3. A rheostat comprising resistive conductors, contact buttons, and an insulating coating for embedding the inner portions of said buttons, said contact buttons having a main portion having outer contact surfaces, a neck portion near one end thereof and an inner end portion compressed against said main portion and conductor.

1,631,169. ROTARY INTAGLIO-PRINTING MACHINE. ADOLPH WEISS, Brooklyn, N. Y. Filed Aug. 13, 1924. Serial No. 731,858. 17 Claims. (Cl. 101—157.)



1. In a printing machine the combination of a housing for a printing fluid, a rotatable printing cylinder journaled in the housing and having configurations thereon formed by depressions extending below the outer surface thereof, a doctor blade for the machine with one end thereof bearing on the surface of the cylinder, an impression roller coacting with a web movably located between it and the periphery of the cylinder and means to maintain the housing air tight.

1,631,170. PROCESS FOR THE MANUFACTURE OF CHROMIUM COMPOUNDS. PAUL WEISE, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Mar. 6, 1926, Serial No. 92,937, and in Germany Aug. 24, 1925. 4 Claims. (Cl. 23—56.)

1. In processes for the manufacture of chromium compounds involving the use of mechanical furnaces, the steps which consist essentially in forming a mixture of an alkali with chrome ore of such a grain size that a residue of from 15% to 30% remains on a sieve of 70 mesh per c. m., heating the mixture to a reacting temperature above 1100° C., leaching the furnaced mixture, treating the undissolved residue of the leaching step with acid, and using the residue of the acid treatment with fresh chrome ore as the starting material in a subsequent operation.

1,631,171. UTILIZING WOOD WASTE. HOWARD F. WEISS, Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Filed May 19, 1921, Serial No. 470,967. Renewed Apr. 19, 1927. 19 Claims. (Cl. 92—20.)

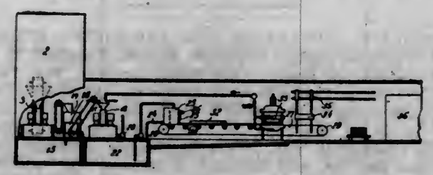
1. The method of making wall board which consists in mechanically disintegrating small wood fibers to form a gelatinous mass, incorporating therewith a fibrous filler and then pressing and drying the mass.

18. A wall board consisting essentially of a binder and a filler, the binder being a dried gelatinized mass of mechanically disintegrated lignocellulose prepared from saw mill offal and the filler consisting essentially of fiber aggregates.

1,631,172. UTILIZING WOOD WASTE. HOWARD FREDERICK WEISS, Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Original application filed May 19, 1921, Serial No. 470,967. Divided and this application filed Feb. 5, 1925. Serial No. 7,081. 6 Claims. (Cl. 92—1.)

1. The method of preparing a wall board binder which consists in mechanically disintegrating lignocellulose in hot water until at least 25% of the mass by dry weight has been reduced to a structureless gelatinous mass, substantially as described.

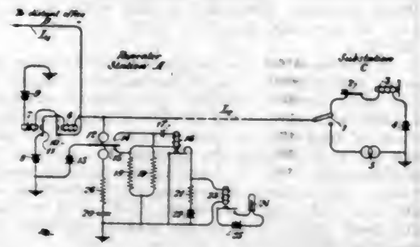
1,631,173. WALL BOARD AND PROCESS OF MAKING THE SAME. HOWARD F. WEISS, Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Filed Aug. 22, 1921. Serial No. 494,150. 30 Claims. (Cl. 92—20.)



1. The method of preparing a wall board binder, which consists in chipping saw mill offal, crushing and rolling the chips until reduced to small particles and, then

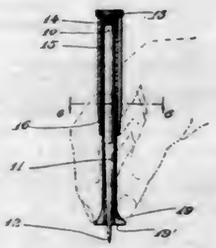
water-logging said particles, and mechanically disintegrating the water-logged particles while wet until at least 25% of the mass by dry wood weight has been reduced to a structureless, gelatinous mass, substantially as described.

1,631,174. TELEGRAPH SIGNALING SYSTEM. SIDNEY D. WILBURN, Englewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 7, 1923. Serial No. 679,193. 8 Claims. (Cl. 178—2.)



1. In a telegraph signaling system, the combination with a line, of a sub-station and a repeater station, said sub-station having connected therewith a source of alternating current, and means for connecting the said source to the said line, and the said repeater station having a polarized relay responsive to the said alternating current and arranged to control a signaling device.

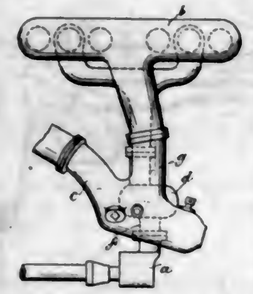
1,631,175. STILETTO. CHARLES E. WINKLER, New York, N. Y. Filed Feb. 15, 1923. Serial No. 619,307. 1 Claim. (Cl. 164—119.)



A new article of manufacture, comprising a central pointed member having a knob at one end and a threaded portion adjacent to said knob, an outer sleeve member threaded internally and engaging at one of its ends the threaded portion of said central member, an inner sleeve member having a threaded portion at one end and an enlargement for a finger rest at the other end, the inner sleeve member engaging said outer sleeve member and adapted to be adjusted relative to said outer sleeve and relative to said central member.

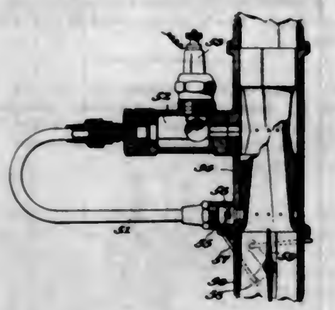
1,631,176. APPARATUS FOR VAPORIZING HYDROCARBON FUEL. GOTTFRIED WIBBEN, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 29, 1923. Serial No. 648,470. 2 Claims. (Cl. 123—122.)

1. In an apparatus for vaporizing hydrocarbon fuel, in combination with devices for forming a gaseous mixture and the inlet manifold, a chamber for collecting unevaporated liquid fuel ends, a riser between said first named devices and the chamber discharging thereinto, an independent riser extending from said chamber to the inlet manifold, an evaporating chamber subjected to exhaust heat and disposed at a point remote from said collecting chamber and the first named riser and means to direct the unevaporated liquid fuel in the



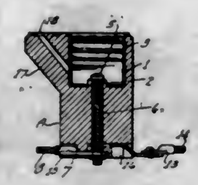
collecting chamber into said evaporating chamber and return the volatilized gas from the evaporating chamber into the gaseous mixture in the collecting chamber.

1,631,177. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 26, 1920. Serial No. 384,351. 11 Claims. (Cl. 123—122.)



1. In combination with a hydrocarbon motor, means for forming an explosive mixture, a conduit leading from said means to the motor, a throttle, a combustion heater, a mixture passageway leading through said combustion heater, and means in said conduit independent of the throttle for producing the passage of mixture through said passageway and heater.

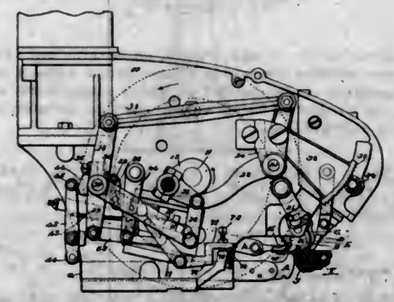
1,631,178. COMBINATION SOCKET-SEATING AND FUSE-TESTING BLOCK. WILLIAM WURDACK, St. Louis, Mo. Filed Dec. 31, 1923. Serial No. 683,653. 3 Claims. (Cl. 175—183.)



1. In a combined socket-seating and fuse-testing device, an insulation block formed with a pair of spaced pockets, sockets seated in, and having their walls embraced by, the pockets, and terminal-members engaging the sockets and the block for including the sockets in

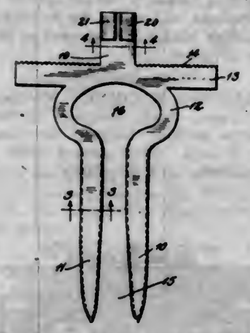
an electrical circuit, the block having normally open ways both opening at an end upon a surface of the block and leading at their opposite ends into the respective pockets for freely removably accommodating the projection of circuit-testing terminals through the block and into direct engagement with the walls of the respective sockets.

1,631,179. SEWING MACHINE. FRANK ZALESKI, Boston, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Aug. 7, 1922. Serial No. 580,276. 6 Claims. (Cl. 112—39.)



1. In a welt-and-turn shoe-stitching machine, an operating shaft, a barbed needle reciprocated from said shaft, a crank 12 on said shaft, a pitman 21 on said crank, a guide arm 22 guiding said pitman and oscillated by it, a needle guide actuating lever 25 oscillated by said guide arm 22, in coordination with the needle, a looper D, and connections from the pitman 21 for actuating the looper in coordination with the needle.

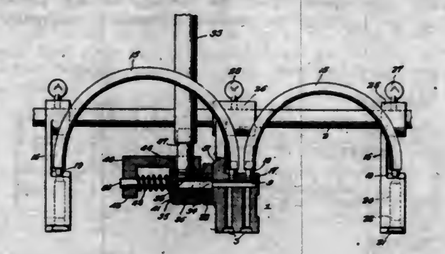
1,631,180. BEET PULLER. WILLIAM YERMAK, Danbury, Conn. Filed Apr. 27, 1926. Serial No. 104,933. 1 Claim. (Cl. 55—65.)



A beet puller comprising a cross-beam, having a handle connecting means on one side thereof, beet engaging prongs on the other side, said prongs being formed with opposing loops adjacent the beam, and the free ends being spaced and slightly divergent, curved flanges on the prongs bent out of the plane of the same and extending from the loops to their ends, foot engaging teeth on the cross-beam adjacent the handle attaching means, all substantially as described.

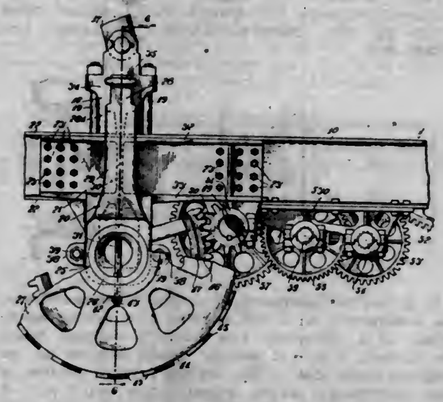
1,631,181. AUTOMATIC FEEDER. LESTER KYLE ALDRICH, Sidney, Ohio. Filed Feb. 23, 1926. Serial No. 89,875. 15 Claims. (Cl. 271—20.)

1. In an automatic feeder of the class described, a double suction nozzle of approximately segmental shape having an arcuate series of suction ports, each port being provided with laterally spaced suction passages extending to the periphery of the suction nozzle, and an auxiliary section nozzle of approximately segmental form



located at one side of and spaced laterally from the double suction nozzle and having a single port connected with one of the suction ports of the double suction nozzle.

1,631,182. TRACTION EQUIPMENT FOR MOBILE MACHINERY. RALPH IRWIN ALEXANDER, Kankakee, and ALFRED H. EXTON, Chicago Heights, Ill., assignors to Inland Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1924. Serial No. 752,017. 20 Claims. (Cl. 180—1.)

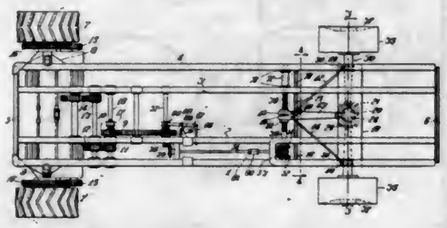


1. In traction equipment for heavy mobile machinery, a carriage including a supporting frame formed of spaced metal beams, a pair of traction wheels for supporting and transporting one end of the frame, and a jack-arm support for each wheel formed of a single casting including a base portion extending horizontally at each side of the jack-arm and interfitting with and attached to the adjacent side frame beam, a downwardly and outwardly extending arm and an integral journal for the wheel projecting horizontally from the lower portion of the arm.

1,631,183. STEERING MECHANISM FOR MOBILE MACHINERY. RALPH IRWIN ALEXANDER, Kankakee, and ALFRED H. EXTON, Chicago Heights, Ill., assignors to Inland Engineering Company, Chicago, Ill., a Corporation of Illinois. Original application filed Nov. 24, 1924, Serial No. 752,017. Divided and this application filed July 27, 1925. Serial No. 46,458. 5 Claims. (Cl. 180—81.)

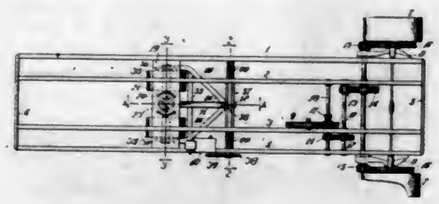
1. In traction equipment for heavy mobile machinery, the combination with a carriage including a supporting frame, a pair of driving wheels at one end thereof and a

pair of steering wheels at the other end thereof, a power plant supported on the carriage, and driving mechanism for the first mentioned wheels operated from the power plant, of steering mechanism for the steering wheels, and means power-driven from the carriage driving mechanism for operating the steering mechanism comprising



a power-clutch, and reversing gearing including a reversing clutch, and manually operable clutch-controlling mechanism operable from within the carriage including a pair of nested rock-shafts, a controlling lever at one end of each shaft, the two levers extending into the carriage at adjacent positions, and lever connections from the opposite ends of each shaft to the respective clutches.

1,631,184. MOBILE MACHINERY. RALPH IRWIN ALEXANDER, Kankakee, Ill., assignor to Inland Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed June 18, 1925. Serial No. 38,000. 11 Claims. (Cl. 180—81.)



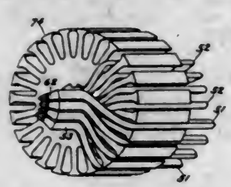
1. In traction equipment for heavy mobile machinery, the combination with the carriage, and driving mechanism, of a non-rotary axle centrally swiveled below the carriage, a pair of steering wheels mounted on the arms at either side of the central swiveled portion, a yoke comprising a central formed portion and a pair of side arms which straddle the wheels and are connected with the ends of the axle, a horizontal screw shaft, means for rotating the shaft in either direction, and a nut on the shaft having a pair of radially extending studs, the forked portion of the yoke embracing the nut and each arm of the fork having a slot engaged by one of the studs.

1,631,185. DISTRIBUTOR MOUNTING. BENJAMIN H. ANIBAL, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 30, 1926. Serial No. 132,520. 8 Claims. (Cl. 123—195.)



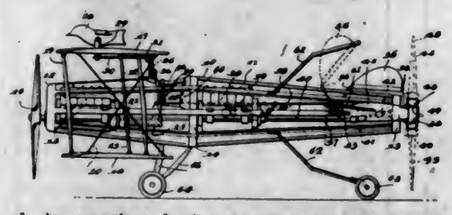
1. An internal combustion engine, including in combination a cylinder block having a vertical bore intermedate the margins of the block, a drive shaft extending thru the bore, and an accessory device located above the top of the cylinder block and operated by said shaft.

1,631,186. METHOD OF BUILDING DYNAMO-ELECTRIC MACHINE ARMATURES AND WINDINGS FOR SAME. VINCENT G. APPLE, Dayton, Ohio. Filed Sept. 22, 1924. Serial No. 738,998. 11 Claims. (Cl. 171—206.)



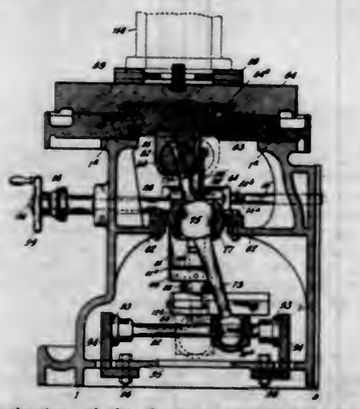
3. As an article of manufacture, an integral unit of an armature winding comprising a commutator segment and two armature conductors, all of wedge shaped cross section, the conductors being spaced apart to compose one turn of the winding.

1,631,187. AEROPLANE. AURELIO BAMBINI, Seward, Pa. Filed Oct. 6, 1925. Serial No. 60,860. 6 Claims. (Cl. 244—25.)



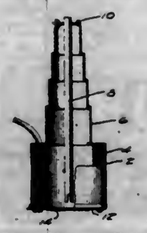
1. An aeroplane having a motor operated propeller comprising an auxiliary motor, a propeller hub connected to said auxiliary motor, propeller blades hingedly connected to said hub so that the blades of said propeller may be folded inwardly when not in use, means for holding said blades in an inoperative position, means for releasing said holding means, a rudder carried on the rear end of said aeroplane, and means for moving said rudder when said propeller blades are released so as not to interfere with said rudder.

1,631,188. GRINDING MACHINE. WILLIAM J. BAUMBERGER, Davenport, Iowa, assignor, by mesne assignments, to Micro Machine Company, Bettendorf, Iowa, a Corporation of Iowa. Filed June 8, 1922. Serial No. 566,741. 4 Claims. (Cl. 51—216.)



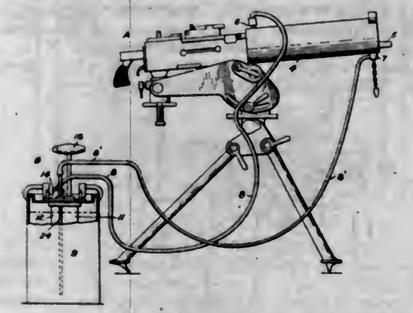
1. Mechanism of the character described, including a work table; and means for imparting orbital motion to said table, said means including a driving member, a motion-transmitting member, operative connection with said driving member and motion-transmitting member arranged to impart circulatory motion to said motion-transmitting member, and equalizer, motion-transmitting elements between said motion-transmitting member and said table.

1,631,189. ELECTRIC HAIR CURLER. ALEXANDER J. BUCHI, New York, N. Y. Filed Dec. 23, 1926. Serial No. 156,585. 6 Claims. (Cl. 132—36.)



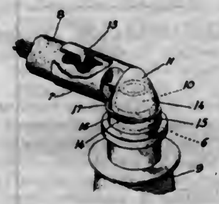
1. An electric heater for curling hair comprising a pencil around which the hair is wound, a heater to heat the hair, and an enclosure adapted to be longitudinally adjusted to different sizes to suit the size of the curl to be formed.

1,631,190. METHOD OF AND APPARATUS FOR COOLING GUN BARRELS. WILLIAM R. BULL, Springfield, Mass. Filed Feb. 20, 1925. Serial No. 10,563. 2 Claims. (Cl. 89—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. Apparatus for cooling gun barrels embodying a container having an opening in the top thereof, a removable cover therefor, and a pumping and condensing unit attached to the cover.

1,631,191. TERMINAL CONNECTER FOR SPARK PLUGS. ALBERT CHAMPION, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Oct. 28, 1921. Serial No. 511,131. 3 Claims. (Cl. 173—269.)



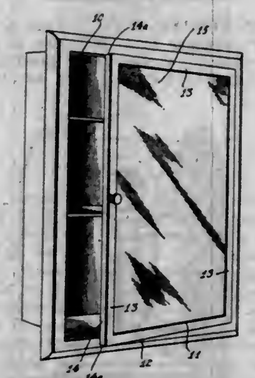
1. A terminal connecter formed from sheet metal and comprising a tubular body portion adapted to be secured to a supply cable, and a socket portion integral with said body portion and arranged substantially at right angles thereto, and having an opening leading thereinto, and the plane of which opening is in a plane substantially parallel with the axis of said tubular body portion; a resilient U-shaped holding member arranged substantially parallel with the opening aforesaid, and the side portions of which extend across said opening at the sides thereof; and fixed stops carried by said socket portion and with which said side portions engage when the parts are assembled.

1,631,192. WRITING PAD. BERNALD M. DUNLAP, Rockford, Ill., assignor to Howard L. Fischer, St. Paul, Minn. Filed Jan. 15, 1923. Serial No. 612,862. 3 Claims. (Cl. 35—10.)



3. A writing pad including a series of sheets bound together on one end, an erasing cord bound together with said sheets, said cord being adapted to be operated to separate the sheets to erase any impression made by the adhering of said sheets together and adapted to support a marking instrument on the free end thereof.

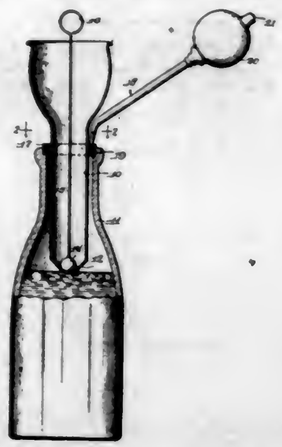
1,631,193. MIRROR MOUNTING. WARNER EUSTIS, Newton, Mass. Filed Dec. 21, 1925. Serial No. 76,747. 4 Claims. (Cl. 45—18.)



1. In a framed mirror or the like, the combination with a metal frame comprising face and edge flanges arranged substantially at right angles to each other, of a glass plate of less width and length than the frame, removable clips attached to the upper and lower edge flanges to hold the glass plate against the face flange of the frame, additional clips permanently secured to the frame at its vertical edges and having portions extending over the back of the glass plate a distance slightly less than the normal distance between the edges of the glass plate and the adjacent edge flanges of the frame,

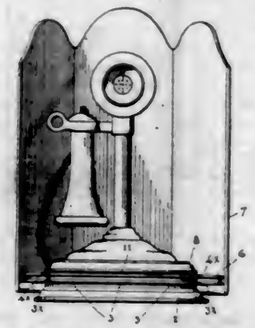
stay blocks disposed between the edges of the glass plate and the said edge flanges, and a removable backing plate having peripheral flanges in frictional engagement with said clips.

1,631,194. CREAM SEPARATOR. EMERY H. FAHRNEY, Chicago, Ill. Filed Jan. 28, 1926. Serial No. 84,291. 4 Claims. (Cl. 215—3.)



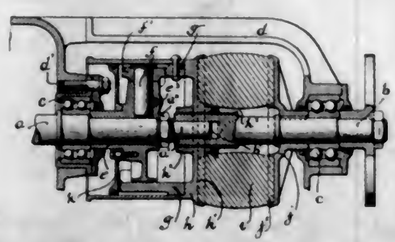
1. A cream separator embodying a receptacle having both ends open, said receptacle being adapted to be lowered within the neck of a bottle, said receptacle provided with its lower wall contracted to form a valve seat, a valve within the receptacle for cooperation with the valve seat, and a rod connected with the valve for seating and unseating the valve to close the lower end of said receptacle to control the inflow and outflow of cream into and from the receptacle.

1,631,195. TELEPHONE STAND. FRED A. FORD, New York, N. Y., assignor to J. W. Gillis Co., Rochester, N. Y., a Corporation of New York. Filed June 2, 1926. Serial No. 113,257. 4 Claims. (Cl. 45—105.)



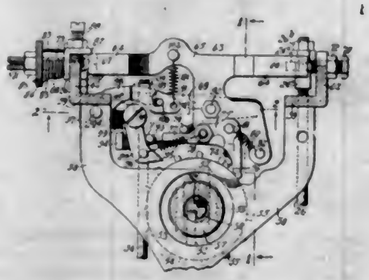
4. A telephone stand comprising a stationary sub-base, antifriction rollers mounted in the top of said sub-base and slightly projecting above it, a fixed post mounted centrally of said sub-base, a turntable mounted to rotate on top of said sub-base and supported by said antifriction rollers, a decorative screen mounted on a portion of the periphery of said turntable and projecting upwardly therefrom, a stationary supporting base above said turntable and mounted on said fixed post, said decorative screen projecting above said supporting base and encircling a portion of the periphery thereof, and means provided on said turntable at a point diametrically opposite to said decorative screen to prevent said turntable from tilting.

1,631,196. FLEXIBLE COUPLING. CHARLES FROESCH, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 5, 1925. Serial No. 66,925. 3 Claims. (Cl. 64—96.)



1. In a torque cushioning device, in combination with a driving and a driven shaft, a cam surface carried with one of the shafts, means to permit reciprocation of said cam surface with respect to said shaft, a roller carried with the other shaft and engageable with said cam surface, and means comprising yielding non-metallic material to yieldingly maintain said cam surface in engagement with the roller.

1,631,197. TYPEWRITING MACHINE. GEORGE G. GOINO, Middletown, Conn., assignor to Remington Noiseless Typewriter Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1925. Serial No. 72,795. 24 Claims. (Cl. 197—82.)



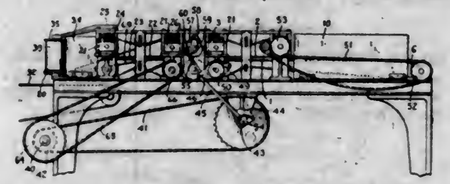
1. In an escapement mechanism for typewriting machines, the combination of a rack, a vibratory dog carrier, a dog rigid therewith, and anchor escapement devices comprising two escapement dogs, one of which has an unvarying relationship with said rigid dog during vibratory movements of said rocker.

1,631,198. LEAF SEPARATOR. JOSEPH GOUGH, Newark, N. J., assignor to Gough Stemming Machine Corporation, a Corporation of New Jersey. Filed Jan. 30, 1923. Serial No. 615,826. 15 Claims. (Cl. 131—60.)

1. In a machine for separating bunched tobacco leaves and the like, the combination of a separator mechanism for grasping a leaf, and mechanism for presenting a leaf-bunch to said separator mechanism, said two mechanisms being differently timed so that a leaf grasped by the separator mechanism is separated from the remaining leaves of the bunch and the continued operation of said mechanisms breaks up the bunch.

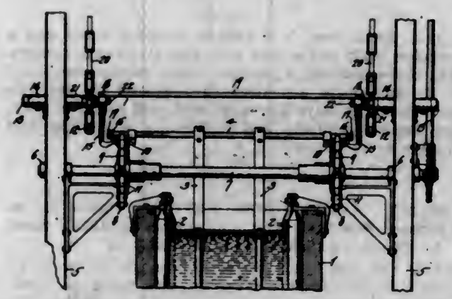
14. The method of breaking up bundles of dry tobacco leaves of the kind described, which consists of crudely

tearing the bundles apart so that the resulting masses consist of loosely attached leaves, and from which masses leaves project irregularly standing out in part separated from other leaves, holding the masses successively while successively presenting the projecting leaves of each mass



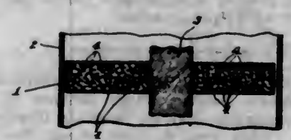
in a position to be grasped, grasping the projecting leaves successively, and causing the mass and the thing grasping the projecting leaves to be withdrawn relatively with each other to pull each grasped part from the remainder of the mass before another projecting part of the mass is grasped.

1,631,199. ELECTROPLATING MACHINE. WESLEY F. HALL, Matawan, N. J., assignor to The Hanson & Van Winkle Company, Newark, N. J., a Corporation of New Jersey. Filed May 17, 1926. Serial No. 109,720. 2 Claims. (Cl. 198—20.)



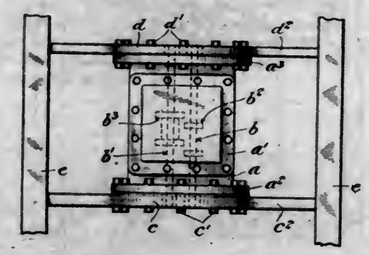
1. In combination with an electro-plating tank, a horizontal conveyor comprising horizontal conveyor chains located on each side of the tank, a bar resting transversely on said horizontal conveyor chains for supporting an article to be treated in said tank, a vertical conveyor situated above said horizontal conveyor comprising vertical conveyor chains, hooks on said vertical conveyor chains adapted to engage the ends of said transverse bar simultaneously and raise the same, and a transverse beam rigidly attached at its ends to said hooks, whereby the transverse alinement of the hooks is assured.

1,631,200. DRY CELL. WILLIAM F. HENDRY, Ossining, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 8, 1923. Serial No. 673,539. 10 Claims. (Cl. 136—138.)



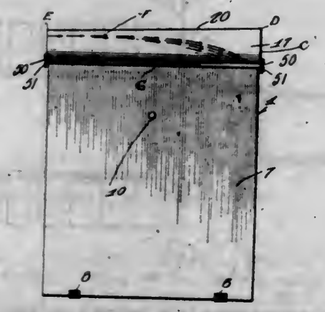
1. A dry cell comprising tablets compacted of a depolarizer mixed with both finely ground and flaked conducting material.

1,631,201. CASING FOR TRANSMISSIONS AND THE LIKE. EDWARD R. HEWITT, Midvale, N. J., and AUGUST H. LEIPERT, College Point, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 15, 1926. Serial No. 122,611. 3 Claims. (Cl. 74—56.)



2. A cast aluminum gear case formed with open ends and having peripheral flanges around the openings in the ends, steel end plates bolted to said peripheral flanges and adapted to support bearings for shafts within the case and having integral arms extending laterally therefrom to support the case.

1,631,202. CABINET. WINSLOW EDGAR HINSON, Fort Smith, Ark. Filed Jan. 5, 1924. Serial No. 684,638. 1 Claim. (Cl. 224—29.)

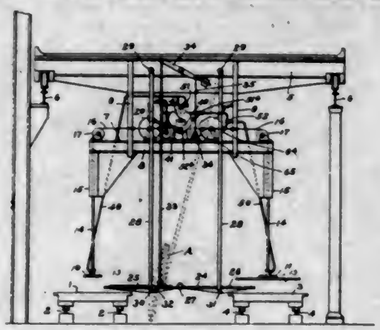


A cabinet comprising a bottom, sides, and a back, a front hinged at its lower edge to the bottom, a top hinged at its rear edge to the upper edge of the back, the upper edge of the front and the forward edge of the top being interengaged, the forward edge of the top being parallel to the bottom of the cabinet, the rear hinged edge of the top slanting lengthwise of the cabinet from one of the sides of the cabinet to the other, the top also slanting downwardly and forwardly from the upper edge of the back to the upper edge of the front, and means for mounting the cabinet on the running board of an automobile with the slanting rear edge and the top so located as to deflect rain from flying off the top into the automobile whereon the cabinet is mounted.

1,631,203. PLATE-GLASS TRANSFER AND LAYING APPARATUS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Mar. 27, 1924. Serial No. 702,260. 10 Claims. (Cl. 51—277.)

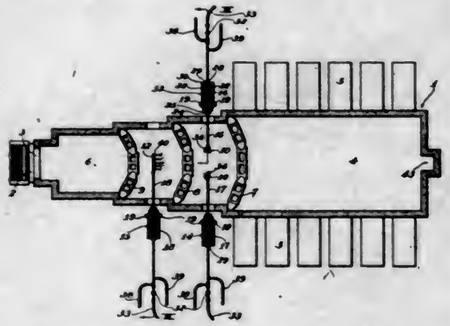
1. In combination in apparatus for transferring glass sheets from one car or carrier mounted on a track to

another car or carrier on a parallel track and turning them over, which comprises a vacuum lifting frame mounted for vertical movement over each track, and a



turnover frame mounted for lateral movement between the two frames, and adapted in its two extremes of movement to lie beneath said frames.

1,631,204. PROCESS AND APPARATUS FOR MELTING GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 16, 1926. Serial No. 141,947. 9 Claims. (Cl. 49—53.)



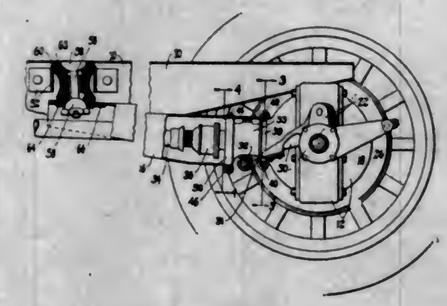
1. In a glass melting tank, having a top wall or arch, a melting end, a delivery end remote therefrom, a cooling section intermediate said ends, means for applying heat to said melting end to reduce the batch supplied thereto, and means for spraying a cooling fluid into the space between the glass bath and the arch in said cooling section.

1,631,205. FAVOR. MARIE LOUISE HORNER and MARIE MATHILDE HORNER, New Orleans, La. Filed Aug. 17, 1925. Serial No. 50,788. Renewed Apr. 29, 1927. 1 Claim. (Cl. 41—10.)



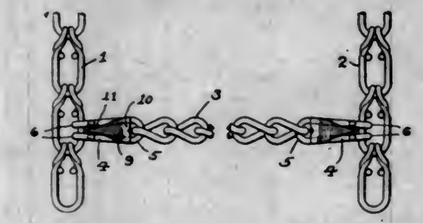
An article of merchandise comprising an ovoid member decorated to suggest a countenance, a rigid base to which said ovoid member is attached adapted to hold said member with the countenance in normal position, an ornamental material attached to the base representing a neck decoration relative to the countenance, and a cover for the top of the ovoid member representing a head covering corresponding in decorative effect to the countenance and the neck decoration.

1,631,206. VEHICLE. ORMOND E. HUNT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 22, 1923. Serial No. 626,897. 12 Claims. (Cl. 180—85.)



1. A torque arm, in a vehicle having a frame and a propeller shaft and a rear axle with its casing, comprising, in combination, a tubular torque member connected to the axle casing and arranged to protect the propeller shaft having relative movement with said propeller shaft, and means yieldingly and universally connecting said member to the frame.

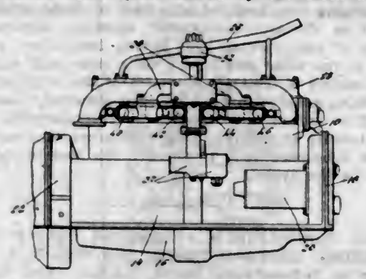
1,631,207. ANTISKIDDING DEVICE. SIDNEY D. JACOBSON, New York, N. Y. Filed Apr. 25, 1925. Serial No. 25,938. 2 Claims. (Cl. 24—233.)



1. The combination with a cross chain and means for detachably connecting the cross chain with side chains comprising a length of wire bent into U-shaped form so as to engage one of the links of the side chain, the free ends of said length of wire being formed into substantially parallel hooked portions, a keeper mounted upon the legs of said member and having a portion extending between said hooked portions, and said keeper having its outer end free of either of said hooked end portions and normally in the plane thereof.

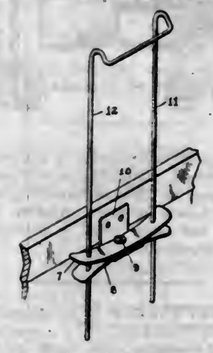
1,631,208. INTERNAL-COMBUSTION ENGINE. BENJAMIN JEROME, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 9, 1924, Serial No. 691,660. Renewed Nov. 14, 1925. 14 Claims. (Cl. 123—195.)

1. An internal combustion engine comprising a block formed to provide a plurality of cylinders, ports in the block communicating with the cylinders, a branched manifold communicating with the ports and arranged to provide an open space defined by the block and the



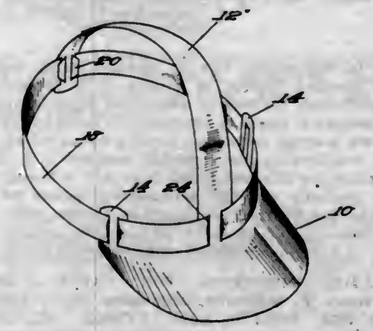
branches of the manifold, a power driven shaft extending through said space, and an accessory device driven from said shaft.

1,631,209. ADJUSTABLE HANGER OR SUPPORT. CHARLES E. JEWELL, Seneca Falls, N. Y. Filed Mar. 13, 1926. Serial No. 94,623. 3 Claims. (Cl. 248—7.)



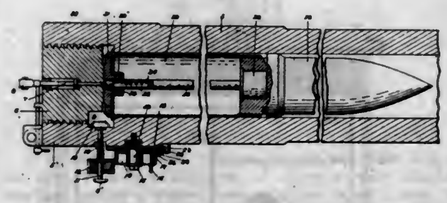
1. A spring supporting device comprising two plates formed of spring metal normally standing apart at both ends and joined together between the ends, each plate having a hole therein at each end, a pair of rods held fixed with relation to each other passing through the holes of both plates at each end thereof, the plates being adapted to slide on the rods when pressed together and being adapted to grip the rods when sprung apart.

1,631,210. HEADWEAR. AGNAR JOHNSON, Rockford, Ill. Filed May 21, 1926. Serial No. 110,646. 1 Claim. (Cl. 2—12.)



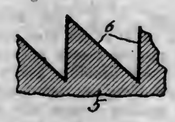
A species of headwear, including two elements, one element comprising an eyeshield and a head strap and the other element comprising a headband, the first element including tabs integral with the ends of the eyeshield and having slits in said tabs adapted for the reception of the headband, together with the corresponding slits formed in the end of the headstrap for the reception of the ends of the headband.

1,631,211. MECHANISM FOR SETTING FUSES WITHIN GUNS. JAMES C. KARNES, Buffalo, N. Y. Filed Apr. 3, 1925. Serial No. 20,537. (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.) 17 Claims. (Cl. 89—1.)



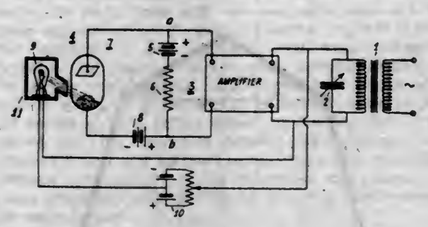
17. In a gun having a breech closure, means for setting a fuse within the gun, embodying a member passing through the breech ring of the gun.

1,631,212. FILE. WILLIS R. KING, Newark, N. J., assignor to The Hanson & Van Winkle Company, Newark, N. J., a Corporation of New Jersey. Filed June 17, 1926. Serial No. 116,609. 1 Claim. (Cl. 29—78.)



A file comprising a body of soft unhardened metal formed on both sides with teeth and an electroplated coating of chromium deposited on the teeth.

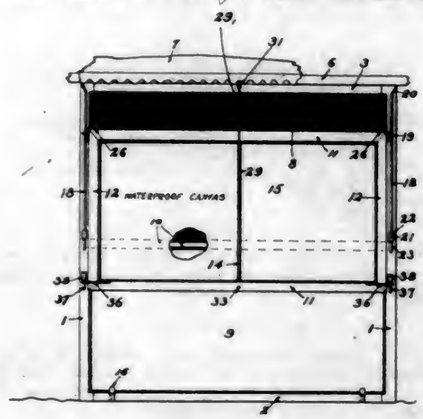
1,631,213. ELECTRICAL SYSTEM. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City N. J., a Corporation of Delaware. Filed Dec. 27, 1924, Serial No. 758,336, and in France Jan. 5, 1924. 3 Claims. (Cl. 179—171.)



1. In an electrical system, an amplifier having an input circuit and an output circuit, said amplifier being arranged so that potential variations in said input circuit produce corresponding current changes in said output circuit, a device having a cathode and an anode, said cathode serving to emit photoelectrons under the influence of light waves, an output circuit connected between said anode and said cathode and arranged to cause potential variations in said input circuit, a source of light adjacent said cathode, means for maintaining said source at in-

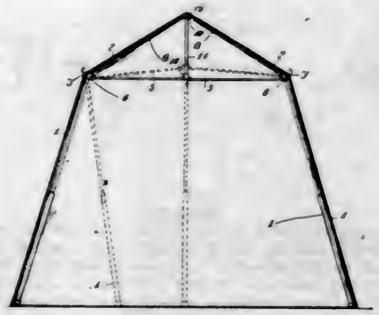
cipient incandescence, and a circuit for said source connected across the output circuit of said amplifier whereby current variations in said last mentioned output circuit cause said source to be lighted to various degrees of brilliancy.

1,631,214. COMBINATION AWNING AND SIDE-WALL PANEL FOR SUMMER OR OUTING HOUSES OR COTTAGES. CHARLES B. LEFFERT, Chicago, Ill., assignor to United States Tent & Awning Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1923. Serial No. 625,533. 6 Claims. (Cl. 156—15.)



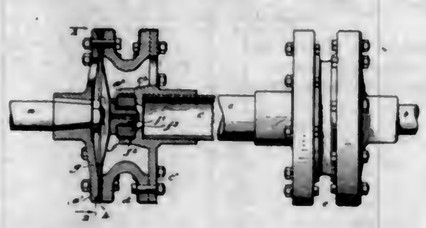
1. The combination of a wall having an opening therein, a flat rigid panel of an area approximating that of said opening, a guiding means on the outside of said wall at the side of said opening, means on the top end of said panel and including a pivoted member operatively engaged with said guiding means and permitting either a vertical sliding movement of said panel or a swinging movement thereof about said coacting means, downwardly facing hooks on said wall at the side of said opening and lateral extensions on said panel adapted to engage under said hooks when said panel is in a predetermined vertical position for preventing said swinging movement.

1,631,215. TENT. CHARLES B. LEFFERT, Chicago, Ill., assignor to United States Tent & Awning Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1924. Serial No. 717,731. 7 Claims. (Cl. 135—4.)



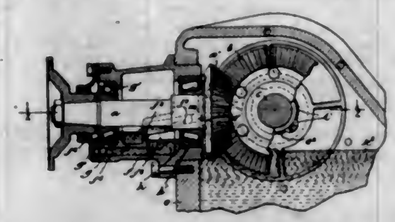
7. In combination, a tent, a plurality of tent supporting rods pivoted together near the peak of the tent, a rod carried by the junction of the said rods and having a relatively short upwardly extending portion and a longer downwardly extending portion, the said short portion engaging the peak of the tent, a collar slidably mounted on the said downwardly extending portion, a plurality of tent spacing bars having their inner ends pivoted to the collar and having their outer ends engaging the corners of the tent, movement of the collar downwardly being adapted to force the bars outwardly against the tent to spread and support the tent umbrella-like, and a plurality of relatively long rods adapted to engage the first mentioned rods to support the tent in raised position on the ground.

1,631,216. NONMETALLIC CENTERING DEVICE FOR SHAFTING. AUGUST H. LEIPERT, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 19, 1923. Serial No. 675,450. 7 Claims. (Cl. 64—96.)



1. As an article of manufacture a centering device for the purpose described comprising inner and outer rings of hard rubber and an intermediate ring of softer rubber vulcanized thereto whereby relative movement between the inner and outer rings is accompanied by deformation of the intermediate ring.

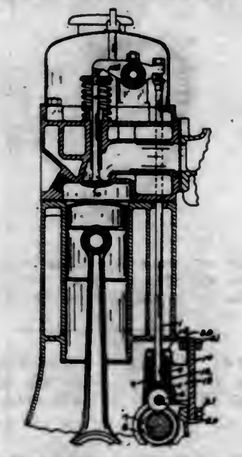
1,631,217. OILING SYSTEM FOR BEARINGS. PHILIP E. MATTHEWS, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 27, 1925. Serial No. 39,908. 8 Claims. (Cl. 184—13.)



1. In combination with an enclosed casing and members mounted therein to revolve in a lubricant and tapered roller bearings in which said revolving members are journaled, means to constantly circulate the lubricant to such bearings including collecting means for the lubricant conveyed by the revolving members and channels by which the lubricant is led from said collecting means into proximity with the bearings, and means for maintaining the lubricant so conveyed at the level of the bearings.

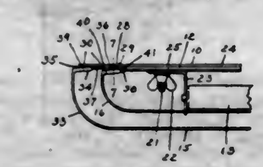
1,631,218. MOUNTING FOR VALVE TAPPETS. ARTHUR F. MILBRATH, Milwaukee, Wis. Filed Jan. 19, 1925. Serial No. 3,289. 7 Claims. (Cl. 123—90.)

1. The combination with an internal combustion engine having valve tappets and a cam shaft provided with tappet actuating means, of a slotted casing enclosing the cam shaft, cams and lower ends of the tappet rods; a plate adapted to close the slot in the cam shaft casing and provided with inwardly projecting brackets, tubular guides carried by the interior portions of said brackets,



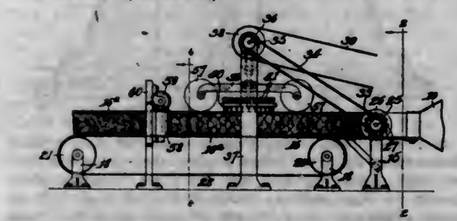
and tappet-actuating plungers mounted in said guides and adapted to be actuated by associated cams on the engine cam shaft.

1,631,219. CURTAIN SUPPORTER. ALEX MONICH, Forestville, Conn. Filed May 6, 1926. Serial No. 107,090. 3 Claims. (Cl. 156—22.)



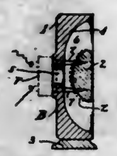
3. In a curtain rod support, a plate member and a strip of resilient sheet metal secured to said plate member and extending parallel thereto for a portion of its length, one end of said strip forming a tongue extending at a slight angle to the main portion and forming with the plate member an acute angle whereby the socketed end of a curtain pole may be slipped over said tongue and wedged between the plate and tongue, and the other end of said strip forming a tongue bent at an acute angle to the main portion of said strip whereby the socketed end of a second curtain pole may be slipped over said last named tongue and wedged between the tongue and the main portion of said strip.

1,631,220. APPARATUS FOR SCARIFYING PLASTIC-CLAY COLUMNS. JOSEPH B. NICHOLSON, Steubenville, Ohio. Filed Aug. 10, 1926. Serial No. 128,417. 4 Claims. (Cl. 25—1.)



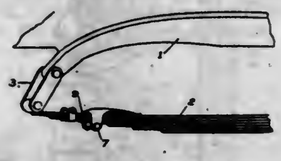
1. In a scarifying apparatus, a scarifying device, a shaft for rotating said scarifying device, means for securing said scarifying device to said shaft for rotation therewith, said means permitting longitudinal movement of said scarifying device on said shaft, and means whereby said scarifying device is maintained at a fixed distance from the adjacent surface of a traveling clay column upon which it acts.

1,631,221. SOUND AMPLIFIER. HAROLD D. PENNEY, Pelham, N. Y., assignor to Diamond Expansion Bolt Company, a Corporation of New York. Filed Oct. 16, 1923. Serial No. 668,840. 10 Claims. (Cl. 181—27.)



1. In combination, a wide major reflector element having its front face concaved to form a wide shallow chamber having a diameter several times greater than its depth and having a short central aperture therein; said reflector element being adapted to receive a telephone mounted adjacent to the back of said reflector element with its diaphragm close to and emitting sound through said aperture directly into said chamber to form a zone of intense sound waves within said chamber close to said aperture; and a minor deflector element having a convexed rear face coaxially disposed in said zone a short distance in front of said aperture and to extend on all sides thereof and cooperating with the concaved face to diverge the intense waves and form a sound reflecting and amplifying chamber having a gradual outward and forward flare of gradually increasing angle of flare to the periphery.

1,631,222. SHOCK ABSORBER. ARTHUR J. ROOT, Springfield, Ohio. Filed July 19, 1926. Serial No. 123,433. 7 Claims. (Cl. 267—53.)

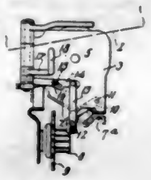


1. In a shock absorber for motor vehicles, a device of bell-crank lever form with one arm bifurcated and the other arm curved and formed as a spring, the free ends of the members of the bifurcated arm being connected together, the juncture of the arms forming a fulcrum, the device being applied to a plurality of leaves of a vehicle spring in a manner to cause the same to grip the spring at three points defined by the free end of the curved arm, the connection between the members of the bifurcated arm and juncture of the arms, the connection between the members of the bifurcated arm being in a plane which intersects the curved arm at a point between the ends thereof.

1,631,223. TYPEWRITING MACHINE. WERNER F. ROTHERMUND, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 8, 1921. Serial No. 443,347. 8 Claims. (Cl. 197—193.)

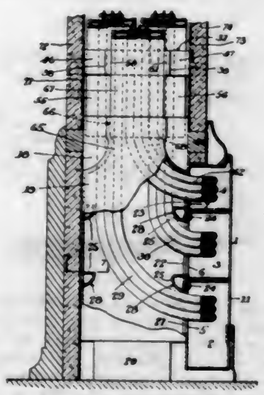
1. In a typewriting machine, the combination of a base, a typewriter-frame mounted thereon, a traveling carriage, escapement devices for the carriage, a cover to fit over said base, said carriage being over-length for the capacity

of said cover, and collapsible means mounted on the carriage for disengaging the carriage from the escapement-devices and comprising a horizontally yieldable operating device therefor projecting from the carriage longitudinally thereof, thereby causing the length of the carriage to be greater than the distance between the sides of the cover, said operating device having an outer face inclined in a downward and outward direction in the



same longitudinal direction as the length of the carriage, and actuable inwardly in the direction of the length of the carriage by the downward thrust of the adjacent side of the cover against said inclined face during the initial movement of placing the cover down over the carriage to enclose it, said carriage being confined at its other end by said cover against yielding during the collapse of said operating device.

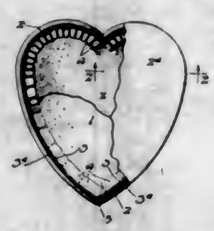
1,631,224. ELECTRICAL-CONDUIT-CROSSOVER SYSTEM. JOHN SCHILZ, Los Angeles, Calif., assignor of one-third to Gerald Marsac, Los Angeles, Calif. Filed Aug. 19, 1925. Serial No. 51,136. 5 Claims. (Cl. 247—3.)



3. In combination with a door and conduit-base, a pair of outlet boxes in the wall adjacent said conduit-base at opposite sides of the door, and in communication with said conduit-base, a pair of conduit crossovers connected to said outlet boxes and extending over the door adjacent the upright and top members thereof, and chafing strips in said outlet boxes between the lower ends of said conduit crossovers.

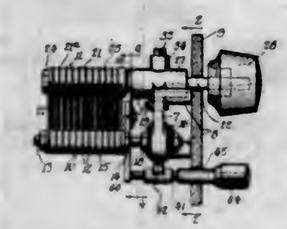
1,631,225. PAPER BOX. FRANK J. SCHLEICHER, St. Louis, Mo. Filed May 7, 1926. Serial No. 107,406. 1 Claim. (Cl. 229—5.5.)

A heart-shaped cardboard box comprising a base sheet with a heart-shaped contour, and a side for said box comprising a rectangular strip notched along one edge with the portions between said notches bent inwardly for attachment to said base sheet, the body of said strip being bent to extend around the edge of said base sheet,



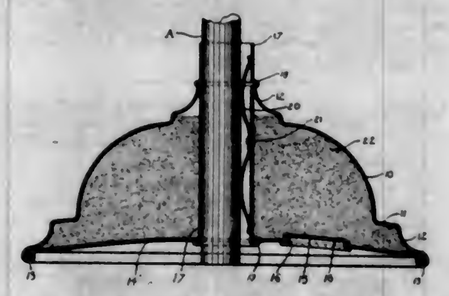
the distances between said notches increasing along the sides of the box adjacent to its point and decreasing along the sharper curves opposite the point.

1,631,226. VARIABLE CONDENSER. EDWARD J. SCHRODER, Lowell, Ind. Filed Apr. 20, 1925. Serial No. 24,347. 3 Claims. (Cl. 175—41.5.)



1. A condenser having a supporting frame, a stator element comprising a plurality of spaced plates secured to said frame but insulated therefrom, a rotor element also comprising a plurality of plates carried by said frame, and a vernier attachment comprising a plate mounted on said frame for movement toward and from the stator element, and an adjusting screw mounted in said frame and adapted to engage with said plate, said vernier plate having a leaf spring connection with the frame.

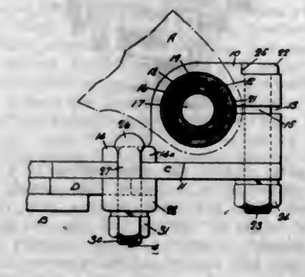
1,631,227. STAFF BASE. EDWARD E. SEE, Omaha, Nebr. Filed Dec. 6, 1926. Serial No. 152,890. 2 Claims. (Cl. 248—38.)



2. A staff base, comprising a dome-like sheet metal shell having its lower edges curled inwardly, a reinforcing ring inclosed by said incurled edges, a bottom-plate having its edge portions clamped by said ring and incurled edges and being thereby retained above the plane of said ring, a tubular tension member extending through axial openings in said shell and bottom-plate, said tubular member having expanded portions engaging said parts

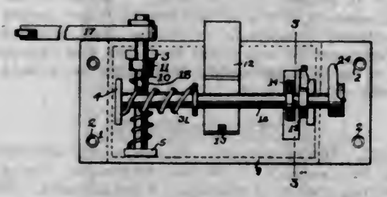
externally and supporting the central portion of the bottom-plate, the bottom-plate having an opening therein affording access to the space within the shell, and a removable plug for said opening.

1,631,228. RESILIENT CONNECTER. CHARLES R. SHORT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 2, 1925. Serial No. 41,113. 9 Claims. (Cl. 267—54.)



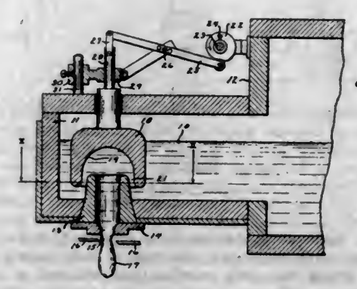
1. Means for connecting two members resiliently, comprising an adjustable clamp, a body of elastic deformable substance surrounded by said clamp, said body having a hole therein, an element engaged in said hole, and members respectively secured non-rotatively to said clamp and said element.

1,631,229. ONE-WAY PULL LATCH. FREDERICK WILLIAM STAHL, Philadelphia, Pa. Filed Feb. 13, 1922. Serial No. 536,093. 3 Claims. (Cl. 292—164.)



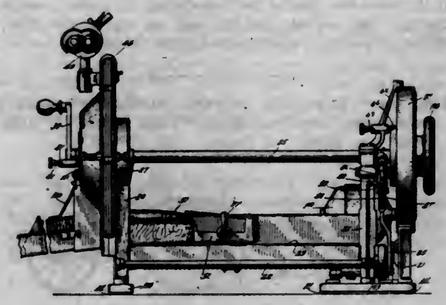
1. In a one way pull latch, the combination with the pull cord of a rock shaft having a rocking arm to which said pull cord is attached, said rock shaft being rockable in one direction by the pulling of said pull cord, a spring in position to rock back the rock shaft in the reverse direction into its original position, a springing locking bolt, provided with an abutment for retracting said bolt, secured upon the same, a fin positioned upon the rock shaft to engage with the abutment of the bolt when the pull cord is drawn, thereby drawing inward the locking bolt when the rock-shaft is rocked by the pulling of the pull cord, said fin being also so positioned on the rock shaft and projecting therefrom to such a distance only as will cause it to slip off from and release said abutment when the rock shaft is rocked to its furthest position in one direction, a stop positioned to arrest the rocking of the rock shaft in such direction substantially so soon as the fin releases said abutment, and means for allowing the fin to pass the abutment without moving the locking bolt when the rock shaft is rocked by the spring in the reverse direction to the direction in which it is rocked by the pull cord.

1,631,230. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 26, 1924. Serial No. 701,887. 11 Claims. (Cl. 49—55.)



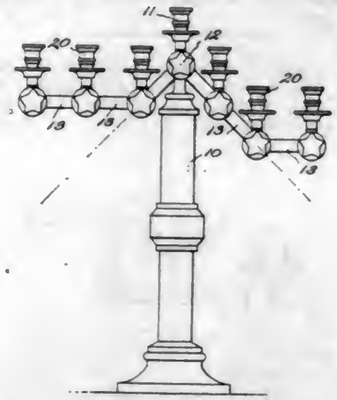
7. The combination of a container for molten glass, a cylindrical member extending upward from the floor of the container, and providing an open passageway for the discharge of glass, a regulator positioned in the glass above said member, said regulator having an annular extension or wall projecting downward and surrounding said member and spaced therefrom to provide a restricted annular passageway by which the glass enters said member, and automatic means for periodically moving said regulator up and down.

1,631,231. BREAD SLICER. HENDRIK STUKART, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed Dec. 31, 1923. Serial No. 683,547. 29 Claims. (Cl. 146—103.)



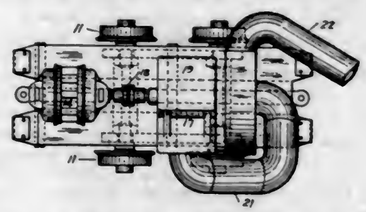
1. A bread slicing machine comprising a drive shaft, a knife mounted upon an axis eccentric of said drive shaft and bodily moved by said drive shaft for severing slices from a loaf of bread, means for rotating said knife about said axis while said axis is held stationary and a power motor for rotating said drive shaft.

1,631,232. CANDELABRUM. STEPHEN SZIGETHY, New York, N. Y. Filed June 7, 1926. Serial No. 114,127. 2 Claims. (Cl. 67—25.)



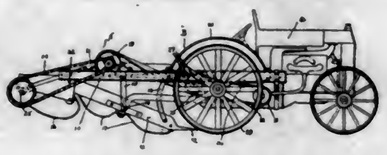
1. A candelabrum having arms composed of flat links, provided with polygonal openings in combination with means fitting into said openings and adapted to secure the links in different angular positions with respect to each other.

1,631,233. UNIT FOR CRUSHING AND DISTRIBUTING POWDERED STONE IN COAL MINES. SAMUEL TESCHER, Denver, Colo. Filed Nov. 20, 1924. Serial No. 751,132. 1 Claim. (Cl. 83—11.)



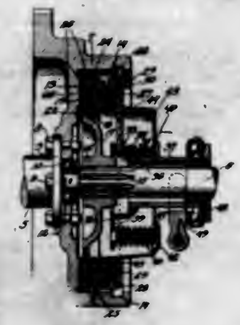
In a stone crushing and distributing unit, a pulverizer having a feed hopper at its upper end, a grated opening at its lower end, means for introducing air under pressure through the grated opening and an outlet for finely divided material communicating with the hopper.

1,631,234. TRACTOR POTATO DIGGER. GOODWIN THORTVEDT, Glyndon, Minn. Filed Sept. 23, 1925. Serial No. 58,063. 3 Claims. (Cl. 97—47.)



1. A tractor potato digger unit having, a frame which is adapted to be detachably connected to a rigid frame fixed on a tractor, a digging shoe, an elevating conveyer associated with said shoe, a channel frame adapted to support said elevating conveyer and shoe, a drive pulley, means for connecting said drive pulley with said conveyer and a belt for connecting said drive pulley with the power pulley on a tractor to which said unit is attached.

1,631,235. CLUTCH. JOHN T. TRUMBLE, Detroit, Mich. Filed Oct. 17, 1921. Serial No. 508,291. 4 Claims. (Cl. 192—68.)



1. In a plate clutch, the combination of a driving member, a driven plate, a thrust ring carried by said member, said plate positioned between said ring and member, and means for forcing said ring and plate forward said member comprising levers fulcrumed at their outer ends upon said member, adjusting means positioned between said levers and said ring, and spring means carried by said ring and operative upon the inner ends of said lever.

1,631,236. DETACHABLE SHAFT. RALPH M. WEBNER, Brooklyn, N. Y. Filed Aug. 14, 1924. Serial No. 731,904. 12 Claims. (Cl. 180—1.)



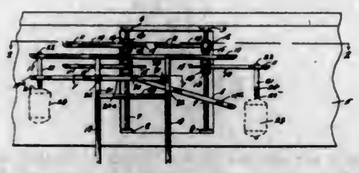
2. In an automotive construction, a chassis frame, rotating members carried by said chassis frame, sockets on said rotating members, a detachable shaft interlocking with said sockets, and means to permit said detachable shaft to be removed without separating the sockets or removing either of them.

1,631,237. DRIVE CHAIN. GEORGE W. WILMOT, Hazleton, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Dec. 11, 1923. Serial No. 679,878. 6 Claims. (Cl. 74—32.)



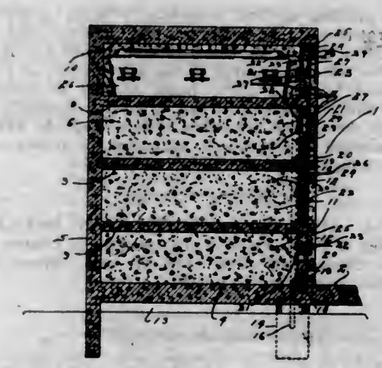
1. In a drive chain, the combination of a plurality of links arranged in overlapped end to end relation with respect to each other, the side bars of alternate links being provided with slots the edges of the outer end portions of which adjacent the opposite ends of said bars are inclined inwardly, and trunnions having connection with the other alternate links of the said chain, which trunnions are tapered inwardly to their inner ends and are in engagement with the inwardly tapered edge portions of said slots.

1,631,238. RAILWAY-MAIL-DELIVERY APPARATUS. HENRY A. WRIGHT, Halls, Tenn. Filed Feb. 19, 1926. Serial No. 89,394. 2 Claims. (Cl. 258—23.)



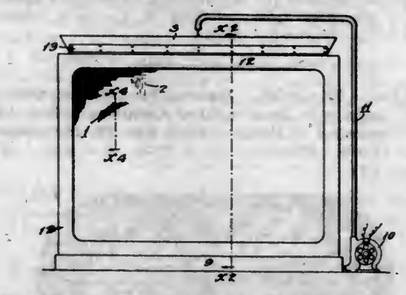
1. In a railway mail handling apparatus of the character set forth, a supporting frame, structure designed to be placed adjacent a railway line and comprising a pair of spaced upright members and transversely extending vertically spaced cross members connecting therebetween, a mail bag handling arm comprising a straight inner portion arranged parallel with and upon one side of one of said cross members, the inner end of said inner portion being pivotally secured to the adjacent cross member, an intermediate portion extending from the free end of said inner portion at an obtuse angle with respect to the same and an outer portion extending from the free end of said intermediate portion in offset parallel relation with the inner portion, a mail bag engaging element projecting from the free end of the outer portion of said arm, and removable means carried by an upright member designed to engage beneath the inner portion of the arm to normally maintain the same in horizontal position, said retaining means being shiftable to allow the arm to be raised or lowered as desired.

1,631,239. MAUSOLEUM. JOSEPH W. ZENGERLE, Mount Pleasant, Mich., assignor to The Flowers Mausoleum Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 25, 1923. Serial No. 659,314. 2 Claims. (Cl. 72—7.)



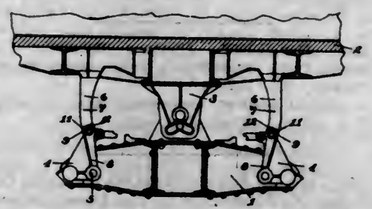
1. A mausoleum embodying a pair of parallel vertical series of adjacent crypts, there being a vertical partition separating one series from the other, a sand sump below said crypt partition wall, a drain duct in said partition wall extending directly downwardly from the wall into the sand of said sump, and branches into said separate crypts from said single duct, said duct being in sections between said branches as extending to the different vertical crypts, and fittings at said branches as assembly units whereby said duct is effective as a common seepage discharge line from a plurality of superposed crypts as well as a plurality of relatively horizontally disposed crypts, said sections being readily adaptable to a desired number of crypts both as superposed or as in horizontal pairs.

1,631,240. MOTION-PICTURE SCREEN. EDWARD H. AMET, Redondo Beach, Calif. Filed Dec. 23, 1924. Serial No. 757,603. 2 Claims. (Cl. 88—24.)



2. A picture screen comprising a net of suitable wire mesh, the openings in said net being covered by a continuous flow of liquid to form a film of predetermined color and translucency, the film acting as a reflecting surface when the light is projected onto the viewed side, and transmitting light when viewed from the other side; the wires of the net material remaining visible, substantially forming rectangular borders more or less broken at the angles, with a light absorbing surface between the borders so that reflecting surfaces of the net are of lower value than the film are provided and serving to produce stereoscopic effect in a picture projected upon the screen.

1,631,241. SUPPORTING MECHANISM FOR DUMP CARS. WILLIAM L. BURNER, Koppel, Pa., and OSCAR E. KANTENWEIN, Oak Park, Ill., assignors to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 29, 1925. Serial No. 65,564. 5 Claims. (Cl. 105—270.)



3. In a dump car, an underframe, a body tiltably mounted on said underframe, a member pivotally mounted on said under-frame adapted to support said body in its normal righted position, said member embodying means whereby the engaging bearing surfaces between said body and support are maintained substantially parallel.

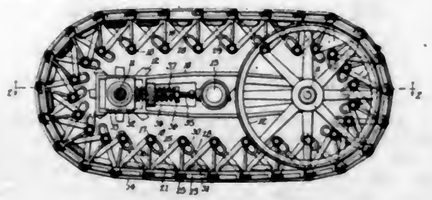
1,631,242. BOLT-ACTION FIREARM. FRANK F. BURTON, Mount Carmel, Conn., assignor to Winchester Repeating Arms Co., New Haven, Conn., a Corporation. Filed Nov. 28, 1925. Serial No. 71,896. 1 Claim. (Cl. 42—16.)



In a bolt-action firearm, the combination with a receiver, having a longitudinal guide-surface, of a reciprocating breech-bolt provided with a locking-lug at its

front end, a cam-lug at its rear end, and a guide-member positioned between the said lugs; the said lugs and the said guide-member being adapted to co-operate with the said guide-surface of the said receiver, whereby the breech-bolt is prevented from cramping in the said receiver when being reciprocated therein.

1,631,243. TRACTOR. ADDISON N. CALKINS, Quincy, Ill., assignor to Electric Wheel Company, Quincy, Ill., a Corporation of Illinois. Filed Mar. 25, 1925. Serial No. 18,089. Renewed Apr. 1, 1926. 7 Claims. (Cl. 305—10.)

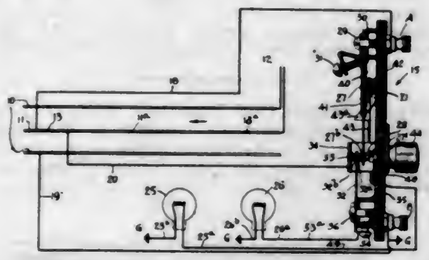


3. A tractor of the character described comprising an endless chain having a series of link sections each including a tread portion, means pivotally connecting adjacent tread portions together, an inwardly extending frame structure rigid with each tread portion and having a pivot bearing mounted therein substantially in the vertical plane containing one edge of the tread portion, a member connecting said pivot bearing and the corresponding edge of the adjacent tread portion adapted to permit relative pivotal movement between the sections in one direction and to prevent relative pivotal movement in the opposite direction, said frame structure including a rigid arm arranged approximately perpendicular to said member, and a second arm between the inner end of the first arm and the tread portion.

1,631,244. MEDICINE. CHARLES EDGERTON CARTER, Pasadena, Calif. Filed Feb. 9, 1926. Serial No. 87,091. 4 Claims. (Cl. 167—7.)

1. A medical product comprising sugar of milk suspended in medical oil and agar agar.

1,631,245. TOY ELECTRIC RAILWAY. LOUIS CARUSO, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y., a Corporation of New York. Filed May 8, 1925. Serial No. 28,763. 30 Claims. (Cl. 104—149.)



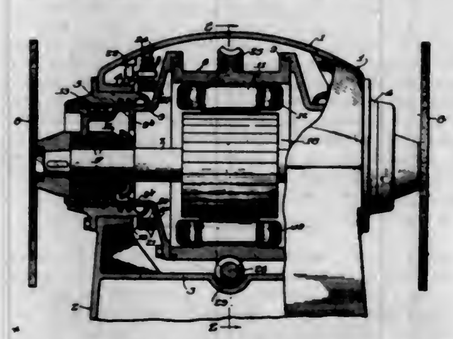
1. A toy railroad including tracks, a "third" rail having an insulated section free from moving parts, an electric train adapted to operate on and to receive power from said tracks and rail, and means mechanically independent of said tracks and rail for automatically restarting the train after having stopped on said insulated section.

1,631,246. BAR CUFF LINK. EDWARD FOSTER CLARK, North Attleboro, Mass. Filed Mar. 11, 1926. Serial No. 93,881. 4 Claims. (Cl. 24—100.)



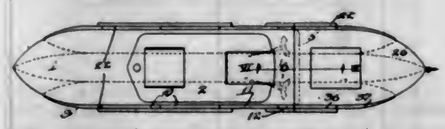
1. In a bar cuff-link, a bar having a riveting tang at one end; a slotted anchor plate secured to the bar by the riveting tang; a face plate; a crimped-in rim element around the face plate and the anchor plate, securing them in operative relation.

1,631,247. GYRATORY GRINDING MACHINE. CONRAD M. CONRADSON, Green Bay, Wis. Filed June 23, 1925. Serial No. 39,414. 6 Claims. (Cl. 51—120.)



1. A grinding machine comprising a frame, a spindle support journalled in said frame for rotation about a fixed axis, a spindle journalled in said support and rotative about an axis eccentric to the axis thereof, an electric motor having a stator frame forming an integral part of said spindle support and disposed eccentrically to the axis thereof and concentric with said spindle and a rotor mounted on said spindle, and means for driving said spindle support independently of said spindle.

1,631,248. AUTO MARINE VEHICLE AND TRAILER. ALBERT E. COOK, Evanston, Ill., assignor to Charles B. Cook, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 50,734. 18 Claims. (Cl. 115—1.)



1. A land and water craft comprising a main body portion, driving means therein, a trailer, interfitting pontoon sections on said main body portion and on said trailer, and wheels carried by certain of said pontoon sections for supporting the main body section and the trailer when used as a land vehicle.

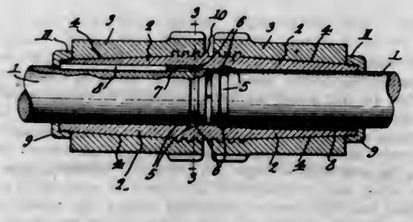
16. The combination with a land and water vehicle, of a trailer adapted to be drawn after the vehicle when the same is used on the land, and means for rigidly securing the trailer to the vehicle to increase the length thereof when the vehicle is used as a water craft.

1,631,249. INVESTMENT COMPOSITION. CLIFFORD L. CORFMAN, Spokane, Wash. Filed Dec. 30, 1925. Serial No. 78,384. 2 Claims. (Cl. 22—188.)



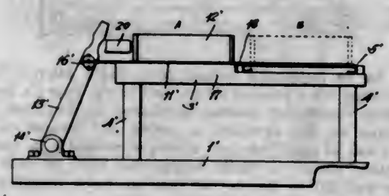
1. An investment composition for dental use comprising magnesite as a base and plaster of Paris.

1,631,250. BOLTLESS SLEEVE COUPLING. FREDERICK W. DANIEL, Sr., Jacksonville, Fla. Filed June 22, 1925. Serial No. 38,813. 3 Claims. (Cl. 287—111.)



1. The combination with members to be joined, of laterally separable retainers disposed about said members and receiving the ends thereof, sleeves threaded on the retainers, the sleeves and the retainers having cooperating longitudinally inclined surfaces which coact to move the retainers inwardly with respect to said members when the sleeves are threaded toward each other, said members and the retainers having longitudinal seats, keys in the seats, and securing devices mounted on the retainers and engaging both the keys and the sleeves.

1,631,251. BRICK-MAKING MACHINE. ROY P. M. DAVIS, Mount Union, Pa. Filed Sept. 2, 1926. Serial No. 133,186. 2 Claims. (Cl. 25—41.)



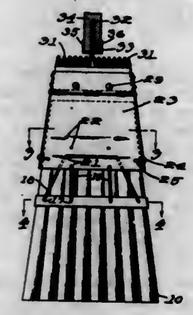
2. A brick making machine comprising an anvil plate having a mold supporting surface and a pallet supporting surface at different levels, with mold and pallet thereon, a liner plate between the mold and the mold supporting surface and extending over and above said pallet, means for moving the mold after the filling operation across said liner plate to a position thereon above said pallet, and means for withdrawing the liner plate from between the mold and the pallet.

1,631,252. PRODUCT OBTAINED FROM MOLASSES AND PROCESS OF PREPARING SAME. WALTER H. DICKERSON, East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del., a Corporation of Delaware. Filed Dec. 29, 1922. Serial No. 609,765. 10 Claims. (Cl. 71—6.)

1. Fertilizer obtained from refuse molasses and in the form of a powder consisting of dry, charred particles.

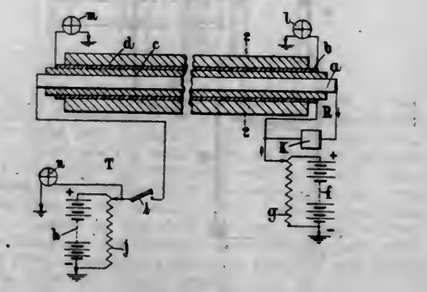
4. Process of treating refuse molasses, which consists in spraying same into a gaseous medium of a temperature sufficient to char the particles thereof.

1,631,253. REVERSIBLE BROOM. WILFRED DUPRÉ, Worcester, Mass. Filed Jan. 28, 1925. Serial No. 5,330. 2 Claims. (Cl. 15—172.)



1. In a broom, the combination of a casing for holding the broom head, said casing having converging sides and ends and having a cover constituting one side hinged to the rest of the casing, and a pair of wires pivotally mounted in the opposite edges of the casing and each adapted to be turned on itself as an axis and each having two parallel ends adapted to engage the outer surface of the cover and the opposite surface of the casing to hold the cover closed.

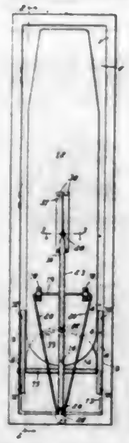
1,631,254. MEANS OF AND APPARATUS FOR TRANSMITTING MESSAGES THROUGH SUBMARINE AND OTHER LIKE CABLES. WILLIAM ESTAUGH, Wanstead, England. Filed Apr. 8, 1925, Serial No. 21,676, and in Great Britain Apr. 16, 1924. 3 Claims. (Cl. 178—63.)



1. Method of transmitting electric impulses through a cable consisting in surrounding an inner insulated signal conductor with an outer insulated conductor both of which are connected to the same pole of an earthed charging source at the receiving end and connecting the transmitting end of the inner conductor to the pole of the same sign of an earthed signalling source of higher potential through a key so that the excess charge will be

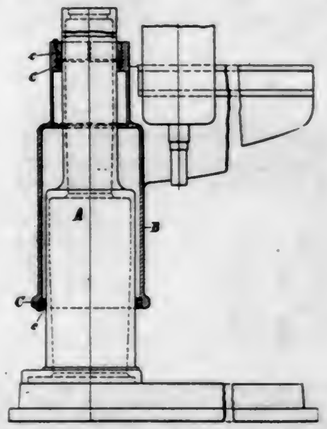
discharged through a receiver located between the end of the inner conductor and the charging source at the receiving end when the signalling source is disconnected, substantially as set forth.

1,631,255. IRONING BOARD. LEVIN FAUST, Rockford, Ill., assignor to Rockford Steel Furniture Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 12, 1925. Serial No. 14,854. 5 Claims. (Cl. 68—10.)



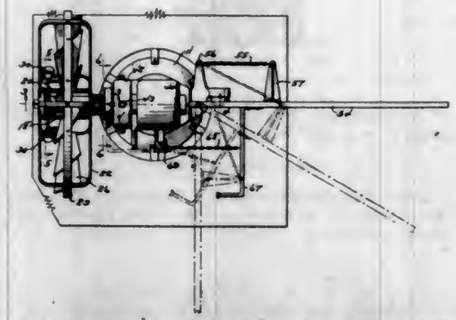
1. In a foldable ironing table of the type described, the combination with a cabinet; of slideways in said cabinet, a frame mounted in said slideways at its sides, an ironing board flexibly connected to said frame, a brace pivoted at its upper end to the underside of the ironing board and swiveled to the bottom of the cabinet, and an additional brace slidably connected to the under side of the ironing board outwardly of the aforesaid brace and also swiveled to the bottom of the cabinet.

1,631,256. RADIAL DRILLING MACHINE. GEORGE FEATHER, Halifax, England. Filed Feb. 17, 1926, Serial No. 88,878, and in Great Britain Feb. 24, 1925. 2 Claims. (Cl. 77—28.)



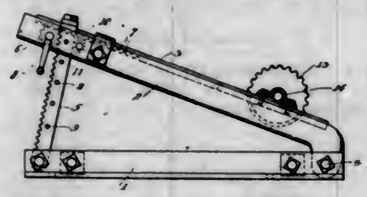
1. A radial drilling machine comprising a pillar having a lower portion of one diameter and an upper portion of smaller diameter, and an arm socket having lower and upper portions slidable freely upwardly and downwardly on and corresponding in diameters to said lower and upper portions of the pillar, respectively, each of said portions of the pillar being of a vertical height greater than the maximum distance of vertical movement of the arm socket, and said portions of the arm socket being spaced apart farther than said maximum distance of movement.

1,631,257. GENERATING POWER PLANT. JULIA FISHER, Bolckow, Mo. Filed Nov. 6, 1925. Serial No. 67,349. 4 Claims. (Cl. 170—68.)



1. In a windmill, a horizontally rotatable head, a wheel mounted upon the head, pivotally mounted blades included in the wheel, an independently rotatable annular member carried by the wheel, means connecting said member and blade to move the latter pivotally when the annular member is rotated, centrifugal governors carried by and located upon diametrically opposite sides of the wheel and controlled by the speed of rotation of said wheel, yieldable means extending across the wheel and connecting the governors to resist outward movement of said governors and means connecting the governors and annular member to rotate the latter when the governors are operated.

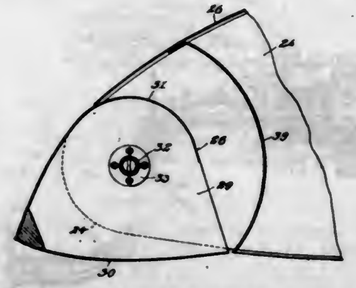
1,631,258. DOUBLE-ADJUSTABLE-DRIVE-CHAIN IDLER. HENRY GRADY GAY, Mankins, Tex. Filed Oct. 18, 1926. Serial No. 142,477. 6 Claims. (Cl. 64—5.)



1. In an adjustable rotary drive chain idler, a base, a carriage track pivoted at one end to the base; a geared carriage capable of endwise movement on the track, and carrying an idle sprocket; a geared lift pivoted to the other end of said base and arranged normally in upright position; means to dually engage the gears of said carriage and lift to elevate the carriage track simultaneous with sliding movement of said carriage.

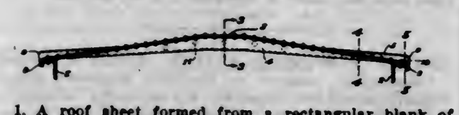
1,631,259. VARIABLE LIFT—VARIABLE-RESISTANCE AEROFOIL. WILLIAM L. GILMORE, Port Washington, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Dec. 27, 1920. Serial No. 433,091. 8 Claims. (Cl. 244—12.)

8. In an aerofoil, a fixed nose portion having an opening extending longitudinally of its length in the vicinity of the leading edge of the aerofoil, an adjustable nose portion movable relatively to said fixed nose portion and means operable to move said adjustable nose portion, said adjustable nose portion in one position of adjustment being adapted to extend through said opening to present



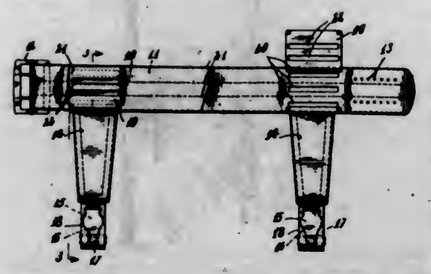
a relatively low and somewhat extended leading edge and in a different position of adjustment being adapted to extend through said opening and to present a relatively high and somewhat retracted leading edge.

1,631,260. METAL ROOF FOR FREIGHT CARS. GARTH G. GILPIN, Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Feb. 3, 1922. Serial No. 533,840. 9 Claims. (Cl. 108—5.4.)



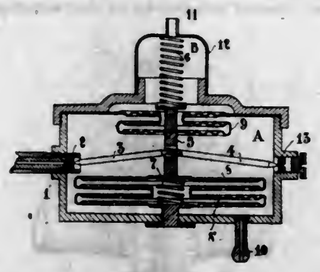
1. A roof sheet formed from a rectangular blank of metal having parallel ribs therein adjacent the opposite edges extending from opposite sides of the sheet, the ribs adjacent one edge extending from the ends of the sheet and merging into the plane of the sheet intermediate the ends and ridge or center line, and having a flange extending exteriorly of the ribs lying in the plane of the sheet.

1,631,261. GARTER. CHARLES GLOWACKI, Philadelphia, Pa. Filed Dec. 18, 1925. Serial No. 76,168. 4 Claims. (Cl. 241—6.)



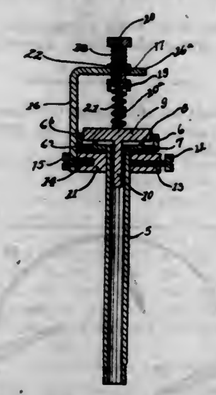
1. A support of the class described comprising a body portion, fastening means on one extremity of said body portion adapted to be attached to the other end thereof, said body portion having a plurality of superimposed parallel slots and extending longitudinally thereof, a depending extension secured to said body portion directly below said slots, said depending portion being adapted to be laced through any desired one of said slots for adjusting the effective length thereof, and a fastening member secured to the lower end of said depending portions adapted for attachment to hose.

1,631,262. VARIABLE-PRESSURE-OPERATED EXPANSION DEVICE. CHARLES EDOUARD PIERRE GOUDOU, St. Mande, France. Filed Jan. 23, 1926, Serial No. 83,294, and in France Feb. 5, 1925. 2 Claims. (Cl. 137—153.)



2. A variable pressure operated expansion device comprising a fluid tight chamber closed on one side by a diaphragm on the top of which a fluid under variable pressure exerts action, a rod integral with said diaphragm, an aneroid cap and springs exerting their action on the said rod, links controlled by the said rod, a valve operated by one of said links to control the admission of the fluid to be expanded into the chamber, and an outlet from the chamber for the fluid expanded therein.

1,631,263. PRESSURE-OPERABLE VALVE. SAMUEL GREENHOUSE, Akron, Ohio. Filed Apr. 9, 1924. Serial No. 705,258. 5 Claims. (Cl. 137—53.)

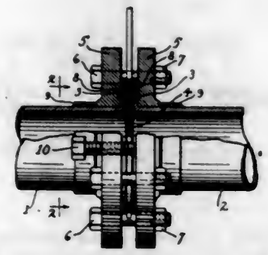


4. In a device of the class described, a tube, a concentrically arranged disk on the upper end thereof, said disk provided with a concentrically arranged up-standing annular valve seat, a weighted valve mounted on said seat, a stem projecting from each axial end of said valve, the downwardly projecting stem positioned in the bore of said tube, a coil spring on the upwardly projecting stem, a collar on said tube, an arm secured to said collar, the upper end of said arm over-hanging said valve and a screw operatively mounted in said arm and engaging the upper end of said spring.

1,631,264. ORIFICE-METER CONNECTION. HARRY M. HALDEMAN, Los Angeles, Calif. Filed Apr. 24, 1926. Serial No. 104,265. 3 Claims. (Cl. 137—75.)

1. In an orifice-meter connection, the combination of two opposed pipe sections having integral collars at their adjacent ends, a pipe flange corresponding to each collar

and mounted loosely on its corresponding pipe section, an orifice-meter plate between the collars and having an opening through it, connecting means for drawing the flanges together to clamp the meter plate between the collars, a shoulder ring corresponding to each pipe connection and disposed adjacent to its corresponding flange,

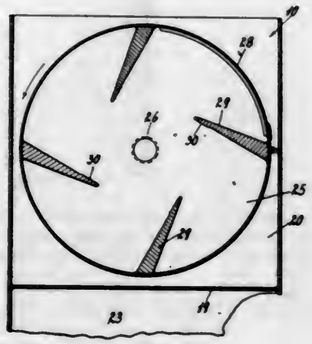


and means associated with the flanges for forcing the same apart when the said connecting means for the flanges have been removed, said rings operating to take the thrust of the flanges in the separating movement to effect the separation of the collars and permit the removal of the meter plate.

1,631,265. ADHESIVE. JOHN J. HARRIS, Chicago, Ill. Filed Aug. 29, 1924. Serial No. 734,879. 3 Claims. (Cl. 87—17.)

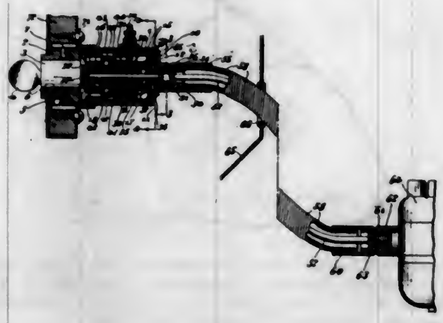
1. An adhesive, comprising a dispersion of bentonite, silicate of soda, water, and rubber dissolved in a rubber solvent.

1,631,266. WASHING MACHINE. WILLIAM C. HASHA, Long Beach, Calif. Filed Sept. 17, 1925. Serial No. 56,883. 3 Claims. (Cl. 68—18.)



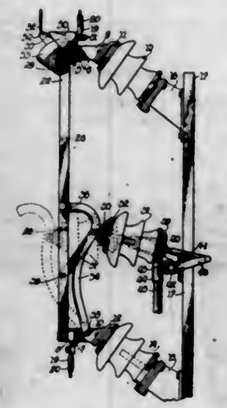
1. In a washing machine, a clothes receiving cylinder comprising V-shaped shelves therein, said shelves having corrugations thereon and each shelf having its outer and pointed end disposed normal to the adjacent shelf, means for slowly revolving the cylinder to permit the clothes to drop from one shelf onto the adjacent shelf and from the latter onto the bottom of the cylinder and means for injecting a washing fluid through the center of the cylinder and against the clothes in said cylinder.

1,631,267. AUTOMOBILE LOCKING MEANS. WILSON HEMINGWAY, Jr., Melrose, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss., a Corporation of Mississippi. Filed July 7, 1926. Serial No. 120,965. 8 Claims. (Cl. 70—127.)



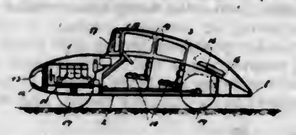
8. In a device of the character described, the combination of a switch mechanism, a conductor for connecting said switch mechanism to an ignition system, said conductor having detachable connection with said switch mechanism, and means acting to lock the said conductor against detachment from said switch mechanism when the latter is operated into off position.

1,631,268. ELECTRICAL SWITCH. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 14, 1920. Serial No. 381,234. 19 Claims. (Cl. 200—48.)



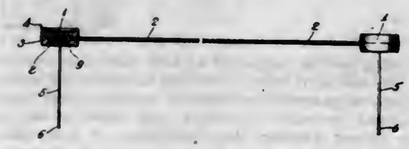
19. In a disconnecting switch, a pair of insulated terminals, an intermediate insulated movable member between the terminals, a switch knife upon one of the terminals, contact devices adapted to engage with the knife, a hood covering the contact devices and having a downwardly facing opening, electrical connections between the contact devices and the second terminal and means operating through the insulated movable member for throwing the hood and contact devices to disconnect and connect while maintaining the opening in downwardly facing position.

1,631,269. MOTOR CAR. PAUL JARAY, Friedrichshafen, Germany. Filed Aug. 19, 1922, Serial No. 582,975, and in Germany Jan. 31, 1922. 12 Claims. (Cl. 296—28.)



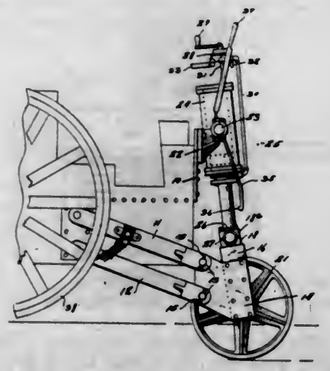
12. A motor car comprising a body the vertical longitudinal section of which substantially resembles the vertical longitudinal section of the upper half of a stream line body, the plane of symmetry of which being the surface of the ground.

1,631,270. GOLF TEE. ELEANOR H. JONES, Boston, Mass. Filed July 31, 1926. Serial No. 126,162. 8 Claims. (Cl. 273—33.)



1. A golf tee comprising a brace of ball-supporting members each having a ball-supporting head and a shank for insertion into the ground, said shanks having their upper portions connected by a leash, and said ball-supporting heads being molded upon, and completely surrounding the attachment between said shanks and said leash.

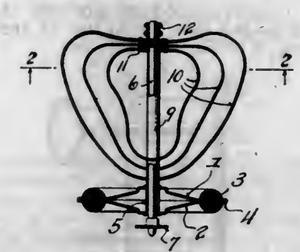
1,631,271. ROLLER TRACTOR. RAYMOND W. KEELER, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Apr. 15, 1926. Serial No. 102,252. 8 Claims. (Cl. 94—50.)



1. In a roller tractor, a roller and a frame supporting the same, links pivotally connecting the frame to the sides of the tractor, and valve controlled means for raising or depressing the roller, including a cylinder mounted upon the tractor, a piston operatively connected to the roller supporting frame, and means for applying fluid pressure to one side or the other of the piston.

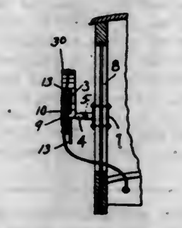
1,631,272. TOY TOP. STANISLAW KIELAR, Milwaukee, Wis. Filed Apr. 9, 1926. Serial No. 100,879. 2 Claims. (Cl. 46—32.)

1. A top comprising a body portion and a weighted peripheral edge having a vertical spindle, a spacing sleeve carried by said spindle, a plurality of members of different designs and apertured to loosely receive the sleeve at their lower portions and supported by the upper end of the sleeve, and apertured at their upper portions to loosely receive the spindle, and a retaining collar carried by the upper end of the spindle.



2. A top comprising a body portion formed of two stamped sheet metal members, each of said members having a peripheral groove, a heavy ring carried within said grooves, said metal members having outwardly projecting flanges beaded together, a hub rigidly carried by said members, and a spindle rigidly carried by said hub.

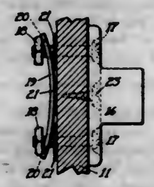
1,631,273. VEHICLE TRAFFIC SIGNAL. EIGINO KIMURA, San Pedro, Calif. Filed May 20, 1926. Serial No. 110,376. 2 Claims. (Cl. 116—40.)



1. The combination with the lazy tongs and a signal thereon of a sector having a notched arc; a pivot post to which the sector is fixed; a bracket on which the pivot post is hinged on a vertical axis; a lever pivoted to the center of the sector and to the post; a handle on the lever; a spring actuated latch provided with a detent adapted to engage the notches in the arc of the sector; a handle for the latch, a spring to hold the latch normally in arc engaging position and said lazy tongs adapted for adjustment to dispose said segment at right angles to said post,

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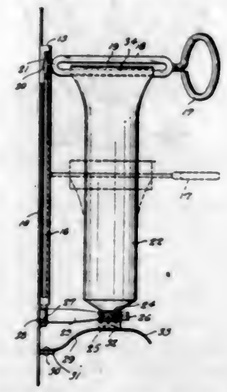
1,631,274. PNEUMATIC-PUMP CONSTRUCTION. HUBERT J. LA JOIE, New York, N. Y., assignor to Auto Pneumatic Action Company, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1925. Serial No. 70,155. 3 Claims. (Cl. 230—2.)



1. In a pneumatic bellows, a bellows leaf, a bracket through which said bellows leaf is operated, said bracket and leaf having a plurality of aligned openings, bolts extending through said openings, nuts on said bolts, a perforated spring plate mounted on said bolts and inter-

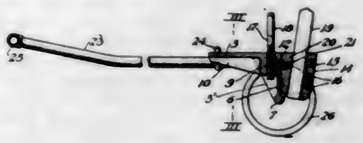
posed between said nuts and said bellows leaf, and cushion devices interposed between said plate and said leaf at the ends and center of said plate, said plate being under tension and exerting a strong outward pressure against said nuts.

1,631,275. COLLAPSIBLE-TUBE HOLDER. ARTHUR G. LEAKE, Bridgeport, Conn. Filed Mar. 17, 1926. Serial No. 95,228. 5 Claims. (Cl. 221—60.)



1. In a collapsible tube holder of the character described, a bracket, means carried by the bracket to grip the discharge end of a tube to support the same, said bracket being provided with a longitudinal slot in its front wall, a rotatable key extending outwardly from the bracket for winding and compressing a tube and extending through the slot at its inner end, and a slidable support secured to the key at the rear of the plate and cooperating with the plate for slidably maintaining the key in said slot.

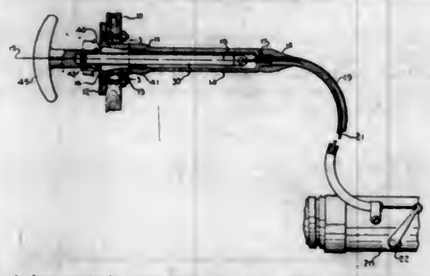
1,631,276. CASING WAGON. JOHN D. LEMEX, Tulsa, Okla. Filed Feb. 16, 1922. Serial No. 536,881. 4 Claims. (Cl. 280—49.)



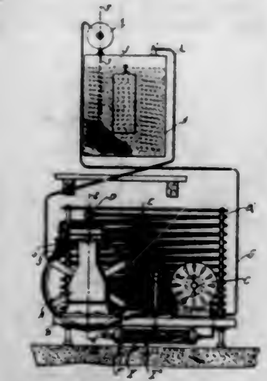
1. A casing wagon comprising in an integral cast metal structure a platform having a relatively wide forward portion and a relatively narrow rear portion having an opening therein, said structure having a vertical transversely extending plate formed with a reinforced lower edge, axles projecting from the ends of the reinforced portion, a pair of spaced apart webs extending from the transversely extending plate and under the narrow rear portion, an inclined adjustable post in the opening, and cooperating means on the post and in the opening for securing the inclined post in the opening.

1,631,277. DASHBOARD CONTROL. GEORGE F. LONG, New York, N. Y., assignor, by mesne assignments, to Steiner Electric Corporation, Long Island City, N. Y., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,664. 1 Claim. (Cl. 74—39.)

A manual control for mechanism, comprising a casing having a hollow bore terminating in an enlarged recess, the outer portion of said recess being tapered inwardly and the inner portion thereof being provided with an internal screw thread, a single split collet positioned within said recess, said collet having an outer tapered portion and inner externally threaded portion adapted to cooperate with the corresponding portions of the recess in said casing, said collet being also provided with a central bore having an irregular contour; a longitudinally slidable member positioned within said collet, said member being adapted at one end for attachment to a mechanism operating means and being adapted at the other end for attachment to an actuating handle, said slidable member being entirely supported by said collet and being of a contour similar to that of the bore in said collet, whereby relative longitudinal movement is permitted and relative rotational movement prevented, said collet in one position thereof allowing free movement of said slidable member and being adapted when rotated in response to rotational movement of said slidable member to engage with the tapered walls of said recess and cooperate therewith to firmly lock said member against longitudinal movement.



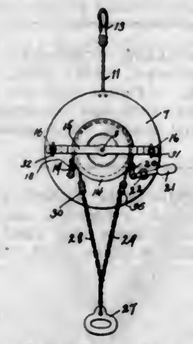
1,631,278. REFRIGERATING SYSTEM. UBALD R. LORANGER and HUBERT R. LORANGER, Detroit, Mich. Filed Apr. 6, 1925. Serial No. 21,125. 9 Claims. (Cl. 62—115.)



1. A refrigerating apparatus comprising a pump for compressing a refrigerating medium having acid forming properties, a condenser for the compressed medium, expansion coils for the condensed medium, and a valve controlling the flow of the condensed medium from the condenser to said coils, certain parts of the elements aforesaid being formed of materials substantially non-corrodible by the acid formed from said medium.

1,631,279. LIFE-SAVING DEVICE. JAMES MANDY, New York, N. Y., assignor of thirty-five per cent to Louis Mandy, New York, N. Y. Filed Jan. 29, 1925. Serial No. 5,484. 3 Claims. (Cl. 227—22.)

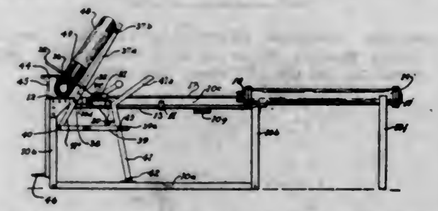
1. In an apparatus of the class described, in combination with a suitable casing and supporting elements therefor, a wheel member mounted on a central shaft, friction bands between the inner face of the said wheel, and the said casing, and means to adjust the said wheel to exert a permanent pressure on the said bands, an inwardly disposed rim on the said wheel which acts to retain the said bands in position and also serves to present a frictional bearing surface, a brake band which partially encircles same, and another brake band resting over the first mentioned brake band, and means to apply a pressure to the said brake bands.



1,631,280. MANUFACTURE OF PRODUCTS FROM AROMATIC AMINES AND SULPHUR CHLORIDE. JOSEPH V. MEIGS, Montclair, N. J., assignor, by mesne assignments, to Carlton Ellis, Montclair, N. J. Filed May 10, 1919. Serial No. 296,057. 6 Claims. (Cl. 260—23.)

1. The process which consists in contacting the sulphur chloride with aniline itself dissolved in a solvent in the form of a concentrated solution while maintaining the mixture cool.

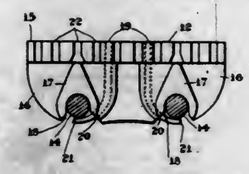
1,631,281. MACHINE FOR REMOVING AIR BAGS FROM TIRES. HOWARD P. MOORE, Cuyahoga Falls, Ohio, assignor to The Mohawk Rubber Company, Akron, Ohio, a Corporation of New York. Filed July 29, 1926. Serial No. 125,745. 14 Claims. (Cl. 18—2.)



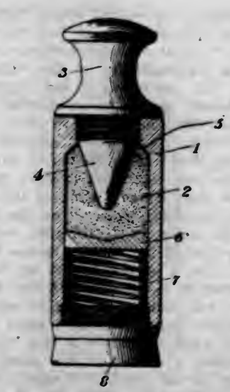
1. In a device of the class described, a suitable frame, a tire rack pivotally mounted thereon for swinging movement between a forward inclination and a rearward inclination, a tire support positioned forwardly of said rack, a downwardly presented, vertically operable hook mounted forwardly of said support, a track on said frame, said track extending rearwardly from said support, a carriage on said track a downwardly presented forwardly projecting hook hingedly connected to said carriage and means to move said carriage on said track, said means also moving said rack from one inclined position to the other.

1,631,282. CHAIN GRATE FOR FURNACES. ARTHUR L. MORGAN, Montreal, Quebec, Canada. Filed Sept. 25, 1925. Serial No. 58,659. 2 Claims. (Cl. 110—40.)

2. A chain grate link presenting a fuel bearing surface formed with an integral depending web having a slot extending inwardly from one edge thereof to receive a link supporting rod, there being a passage formed in said bearing surface and web to extend downwardly therethrough from the top of the bearing surface at one side of the slot with the lower end of the passage curving toward the slot and communicating therewith at one side of and adjacent the mouth portion of the slot and a pin of greater length than said passage adapted to be driven downwardly therethrough whereby the lower end of the pin is guided by the curved portion of the passage to project across the mouth of the slot to retain the supporting rod therein.

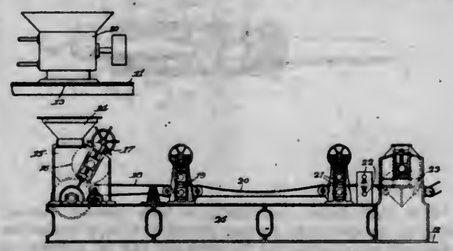


1,631,283. LIP STICK. EMERSON ERNEST MORGAN, Yonkers, and WALLACE HERBERT DAY, New Rochelle, N. Y. Filed Apr. 14, 1926. Serial No. 101,858. 9 Claims. (Cl. 132—82.)



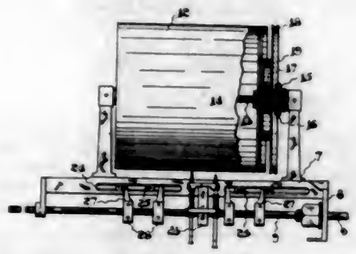
1. A device of the class described comprising a container for the reception of a mobile substance, an applicator detachably associated with the container and serving as a cover therefor and means for producing an intimate contact between the substance and the applicator.

1,631,284. PROCESS OF MANUFACTURING MASTIC TILE AND THE LIKE. FRANKLYN R. MULLER, Lake Bluff, Ill., assignor to Franklyn R. Muller, Inc., Waukegan, Ill., a Corporation of Illinois. Filed Aug. 30, 1926. Serial No. 132,460. 4 Claims. (Cl. 25—156.)



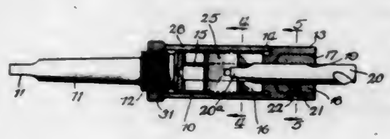
1. A process of producing sheet mastic which includes heating and mixing the ingredients thereof, passing the plastic material thus produced through chilled forming rolls, squeeze rolls, and a liquid spray.

1,631,285. INDICATOR FOR SETTING STEAM-ENGINE VALVES. STANLEY B. MUSSELMAN, Sarina, Ontario, Canada. Filed June 8, 1925. Serial No. 35,827. 4 Claims. (Cl. 234—1.)



3. In an indicator for setting steam engine valves, the combination of a frame adapted for connection at the end of the valve chest of a locomotive; indicator members adjustable longitudinally of the frame to indicate port openings and positions; a rod slidable longitudinally of the frame; means for connecting the rod with the end of the valve in the valve chest; pointers adjustable longitudinally of the rod adapted to be set to accord with the positions of the valve parts and to co-operate with the port indicators to show the positions of the valves and ports at any point of the stroke of the valve; a drum rotatably mounted on the frame; means for rotating the drum in synchronism with the movements of the piston of the engine; means for freeing the drum at will; and a stylus carried by the sliding rod aforesaid adapted to co-operate with the drum, the said port indicators and pointers serving to enable the stylus to be set to scribe datum lines on a sheet carried by the drum aforesaid when the latter is free, the stylus being adapted to scribe a curve on the sheet compounding the movements of the valve and piston rod when the drum is rotated in synchronism with the movements of the said rod.

1,631,286. DRILL HOLDER. FREBERT J. PETERS, Richmond, Ind., assignor to The National Automatic Tool Co., Richmond, Ind., a Corporation of Indiana. Filed May 3, 1923. Serial No. 636,284. 7 Claims. (Cl. 279—9.)

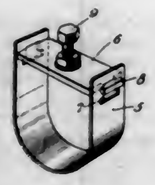


1. A drill holder comprising a body member formed with an intermediate portion provided with a transverse slot and terminating at its forward end in a head; a drill centralizing collet removably secured in said head; a combined drill rotating and backing-block translatably mounted in said slot and having its projecting ends threaded; an internally threaded sleeve rotatably but non-translatably journaled coaxial with the intermediate portion of said body member and having a threaded connection only with said block; and means permitting said sleeve to be rotated to adjust said block axially of said body member.

1,631,287. PIE-FILLING COMPOUND. VITUS POTMAKER, San Francisco, Calif. Filed Feb. 8, 1926. Serial No. 86,925. 3 Claims. (Cl. 99—10.)

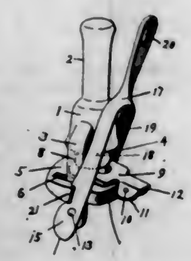
1. A pie filling compound comprising macerated sprouted wheat and roasted whole wheat flour mixed with water.

1,631,288. GROUND-CLAMP CONNECTER. EARL F. POTTER, Glencoe, Ill., assignor of one-half to George W. Rodormer, Park Ridge, Ill. Filed June 7, 1923. Serial No. 643,892. 4 Claims. (Cl. 173—273.)



1. A ground clamp connecter of the character described comprising a flexible metal strip formed into a U shape to embrace a pipe for an electrical connection, a bridge piece, said strip and bridge piece having interlocking T-heads and T-holes for removably securing the bridge piece to the strip across the open end so as to be laterally applicable to and removable from the pipe, and a clamping screw for securely holding the strip and bridge piece in electrical contact with the pipe embraced.

1,631,289. BOTTLE-CAPPING UTENSIL. ROBERT EDWIN REARDON, Columbia, Pa. Filed Aug. 2, 1926. Serial No. 126,429. 7 Claims. (Cl. 226—84.)



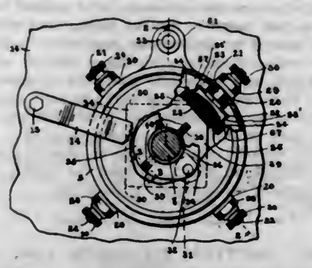
1. A capping die member, a bottle gripping member mounted so as to permit movement towards and away from said die member, a lever pivoted to one of said members below the top of the die member and co-acting means on the lever and the other member to cause movement of said members towards each other.

1,631,290. METHOD OF AND APPARATUS FOR OBTAINING DISRUPTIVE EFFECTS. JOHN M. SHEEDY, Richmond Hill, N. Y., and WESLEY MYERS, Bethlehem, Pa., assignors to The Etzel Company, Inc., New York, N. Y., a Corporation of Connecticut. Continuation of application Serial No. 78,257, filed Dec. 30, 1925. This application filed Feb. 11, 1927. Serial No. 168,248. 4 Claims. (Cl. 262—1.)



1. The method of disrupting rock or similar material which consists in confining a non-explosive fusible body in the material to be acted upon and supplying oxygen thereto and thereby causing disruption of the material by expansion without explosion.

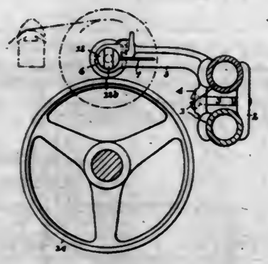
1,631,291. TIMER. EMIL SINNER, Milwaukee, Wis. Filed Oct. 23, 1922. Serial No. 596,465. 10 Claims. (Cl. 200—26.)



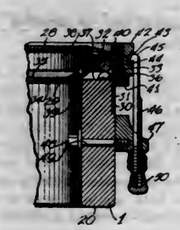
5. In a device of the character described, the combination with a rotary brush, of a pair of supports projecting toward the path of rotation of said brush and provided with recesses, a helical spring having its ends confined within said recesses, and an electrically conductive helical spring externally concentric with said first mentioned spring and abutting said supports about said recesses, said first mentioned spring having portions disposed in the path of rotation of said brush whereby to be contacted thereby.

1,631,292. WINDING MACHINE. GRANT SIPP, Paterson, N. J. Filed Aug. 19, 1926. Serial No. 130,204. 5 Claims. (Cl. 242—18.)

1. The combination, with a winding machine frame and a driving wheel rotatable therein on a horizontal axis, of means to support the package to be rotated in peripheral contact with the wheel and with its axis substantially horizontal including a bracket body member projecting from the frame and a bearing member removably secured in the body member and having a slot bearing extending across said bearing member transversely of the package axis and receiving a journal of the package.



1,631,293. BANJO. HENRY H. SLINGERLAND, River Forest, Ill. Filed Oct. 29, 1924. Serial No. 746,607. 3 Claims. (Cl. 84—270.)



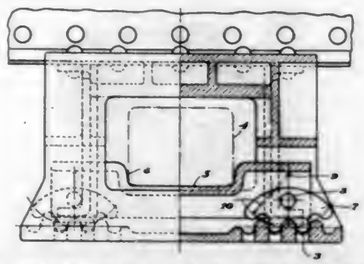
1. In a device of the type described, a cylindrical wall, a metal supporting member adapted to support a membrane carried by said wall and having an opening therein, a flange carried by said supporting member and bearing against the membrane, said flange extending outwardly away from said supporting member throughout the greater portion of its width.

1,631,294. DEVICE FOR OPERATING CAR COUPLERS. ARTHUR E. SMALL, Oak Park, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 8, 1924, Serial No. 742,395. Divided and this application filed Mar. 9, 1925. Serial No. 14,280. 4 Claims. (Cl. 213—170.)



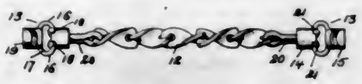
1. A connector for a railway car coupler lock lifter and its operating rod comprising an open hook member, a bar passing through a portion of said member and having a threaded engagement therewith so as to be rotatable therethrough to open or close said hook, and means integral with the hook to prevent the rotation of the bar when desired.

1,631,295. CENTERING DEVICE FOR CAR COUPLERS. ARTHUR E. SMALL, Oak Park, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 12, 1925. Serial No. 68,663. 4 Claims. (Cl. 213—21.)



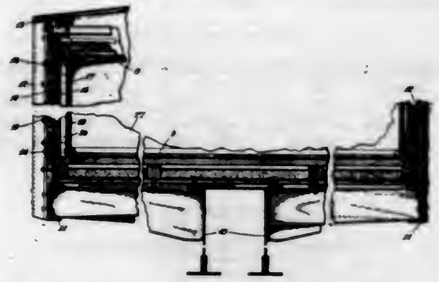
1. A centering device for a car coupler comprising a member provided with a tread, a coupler carriage, and an eccentric wheel pivoted to said carriage to roll upon said tread.

1,631,296. TIRE CHAIN. FRANK A. SMITH, Union City, Conn. Filed May 28, 1925. Serial No. 33,545. 6 Claims. (Cl. 152—14.)



1. In a tire chain, the combination with side chains; of cross chains; a coupling at each end of the cross chains, connected with a side chain and having an opening therein; and a connection between the links of the cross chain and the coupling that projects through said opening and terminates in radially projecting arms that engage and are held against movement in one direction by a surface on the coupling adjacent to the opening.

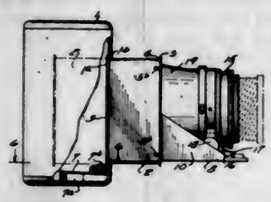
1,631,297. REFRIGERATOR CAR. LOTHAR VON DABROWSKI, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 7, 1923. Serial No. 617,625. 6 Claims. (Cl. 105—423.)



1. A refrigerator car construction comprising an exterior wall with its framing, and an inner wall carried by said exterior wall but spaced therefrom, and secured to said exterior wall without direct thermoconductive connection to said framing.

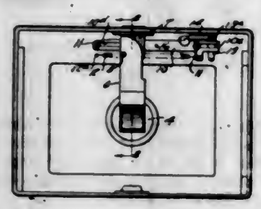
1,631,298. COLLAPSIBLE CAMERA. GEORGE WASHINGTON, Brooklyn, N. Y. Filed Feb. 1, 1926. Serial No. 85,127. 10 Claims. (Cl. 95—40.)

1. In a camera the combination, with a main casing having an opening in its front face, of a casing section fitting in said opening and adapted to telescope into said main casing, said telescoping section having a flange on its rear portion projecting laterally inside of said main casing and a groove in its outer wall face adjacent said



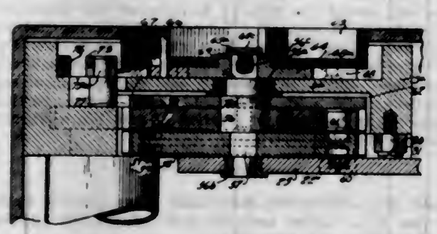
flange, and elastic pressure means inside said main casing for holding said telescoping section against the opposite edge of said main casing opening the said groove in engagement with said edge when the telescoping section is pulled out.

1,631,299. FOCUSING DEVICE FOR CAMERAS. GEORGE WASHINGTON, Brooklyn, N. Y. Filed Feb. 1, 1926. Serial No. 85,128. 10 Claims. (Cl. 95—42.)



1. In a camera having an enclosing casing provided with suitable apertures in the walls thereof, an objective lens supported in line with one of said apertures, and means for supporting inside said casing a sensitized film or plate in the focal plane of said lens, the combination, with the above recited elements, of a second lens in line with a second aperture in said casing, and reflecting apparatus located in said casing, separated from said second lens only by an open air space and so inclined and spaced apart from both said lenses as to cause the focal plane of light rays entering through said objective lens and reflected by said apparatus to coincide with the focal plane of said second lens at a point located in said open air space, whereby the object to be photographed can be viewed clearly and directly during the finding and focusing operations, as through a telescope.

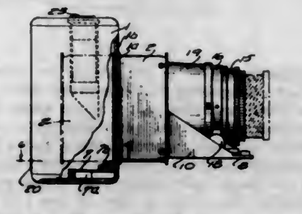
1,631,300. SHUTTER MECHANISM FOR CAMERAS. GEORGE WASHINGTON, Brooklyn, N. Y. Filed Feb. 1, 1926. Serial No. 85,129. 9 Claims. (Cl. 95—57.)



1. In a camera having a shutter mechanism comprising two spring actuated curtains adapted to follow one another across the field of the camera object lens, rollers

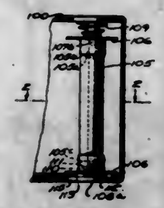
for said curtain and means for winding and unwinding said curtains upon and from said rollers, the combination, with said above recited elements, of a curtain setting and releasing mechanism comprising a recessed base block in the outer face of which said curtain rollers are journalled, a short shaft journaled in the interior of said block, two gear wheels, one connected to each curtain roller and nested in a recess in said block, one of said gear wheels being fast on said shaft and the other loosely rotatable thereon, cooperating projections on said gear wheels by which the relative rotation thereof is limited to one revolution, a fixed stop for limiting the rotation of the gear fast on said shaft to one revolution, means mounted on the exterior end of said shaft for simultaneously rotating said gears to set the shutter curtains, a pawl for holding or releasing the gear which is fast on said shaft, a second pawl for holding or releasing the other gear, and automatic means moving with said first mentioned gear for releasing said second pawl.

1,631,301. PHOTOGRAPHIC CAMERA. GEORGE WASHINGTON, Brooklyn, N. Y. Filed Feb. 1, 1926. Serial No. 85,130. 2 Claims. (Cl. 95—42.)



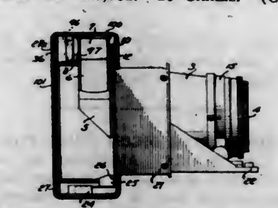
1. In a pocket camera the combination of a relatively flat casing adapted to be slipped into the pocket of a garment, a shutter curtain having winding and unwinding rollers mounted in either end of said casing, a mirror pivoted in said casing between said rollers on an axis perpendicular to the plane of said shutter curtain and adapted to either swing down into the focal axis of the camera lens or out along one edge of said curtain, and means for operating said shutter curtain adapted to be released by the outward swinging movement of said mirror, whereby said curtain is operated only after said mirror has swung out of the field of the camera lens.

1,631,302. FILM-WINDING SPOOL FOR CAMERAS. GEORGE WASHINGTON, Mendham, N. J. Original application filed Feb. 1, 1926, Serial No. 85,130. Divided and this application filed Aug. 12, 1926. Serial No. 128,740. 10 Claims. (Cl. 242—71.)



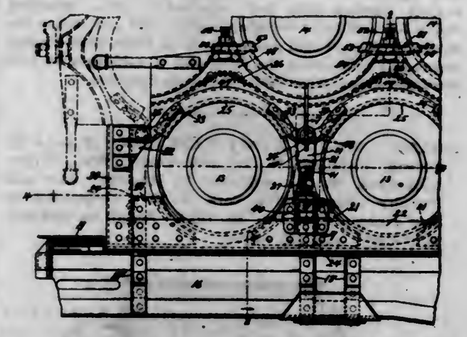
1. In a photographic camera, a take-up mechanism for the previously exposed portions of a sensitized film, which mechanism comprises, in combination, a casing, a spool adapted to fit into said casing and to be connected to that end of said film which has been previously exposed, two revoluble buttons journaled in opposite walls of said casing and having their outer faces exposed, centering means for said spool carried by said buttons, and a driving connection between one of said buttons and said spool whereby the operator may grasp the exposed surfaces of said buttons between the thumb and forefinger of one hand and by rotation of that hand positively rotate said spool.

1,631,303. FINDING AND FOCUSING DEVICE FOR CAMERAS. GEORGE WASHINGTON, Mendham, N. J. Original application filed Feb. 1, 1926, Serial No. 85,128. Divided and this application filed Jan. 4, 1927. Serial No. 158,862. 10 Claims. (Cl. 95—42.)



1. In a camera comprising a casing having an aperture in its rear wall, an objective lens, and a support for a sensitized surface coincident with the focal plane of said objective lens, the combination, with the above recited apparatus, of a mirror movable into, and away from, the focal axis of said lens in front of said sensitized surface support and inclined to said axis, a second lens located in line with said aperture, and additional reflecting means separated from said first mentioned mirror only by an open air space extending between them and so inclined as to cause the focal plane of light rays passing through said second lens to coincide with the focal plane of the objective lens at a point in said open air space, when the image of an exterior object is reflected by said first mentioned mirror to said point.

1,631,304. TANK CAR. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 15, 1926. Serial No. 116,128. 21 Claims. (Cl. 105—362.)



1. A multiple unit tank car construction comprising a car frame with tank seats; opposed connected unitary retaining frames for engaging the top sides of each tank adjacent each end thereof; and means for securing said retaining frames to the car frame.

1,631,305. SHUTTLE TENSION. GEORGE BRAHS, Paterson, N. J. Filed Nov. 17, 1926. Serial No. 148,969. 2 Claims. (Cl. 139—214.)

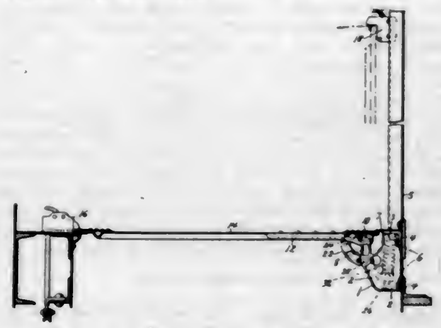
1. A tension lever for a shuttle tension device of the class described consisting of a piece of strip material having a fulcrum portion and bent into a succession of

reverse bends all of which are also bent transversely on two substantially parallel lines to form together a skeleton thread-channel, each of the portions of the strip between



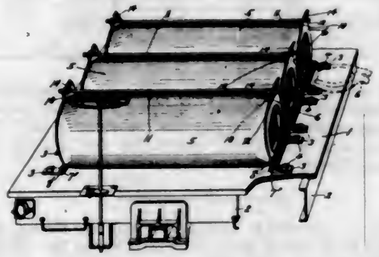
said lines being substantially straight and parallel with the axis of said fulcrum portion and forming a guide proper for contact by the thread.

1,631,306. OPERATING MECHANISM FOR CAR-VESTIBULE TRAPDOORS. ALPHONSE A. CONSTANTINE, Jeffersonville, Ind., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed July 21, 1925. Serial No. 45,092. 12 Claims. (Cl. 105—434.)



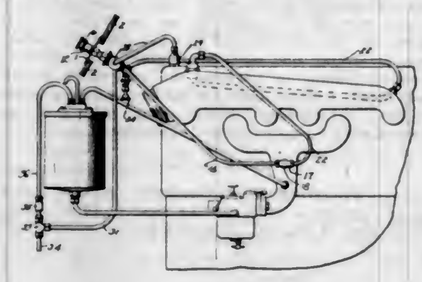
3. In a trap door operating mechanism, a hinge bracket for the door having door supporting arms, a door operating lever pivotally mounted on said hinge bracket between said door supporting arms, operating means for said lever engaging said bracket and means for hinging a door in said door supporting arms, said hinging means serving to limit the movement of said lever by said operating means when said bracket is detached.

1,631,307. MULTIPLE-UNIT TANK CAR. WARREN E. COOPER, Flushing, N. Y., and VICTOR WILLOUGHBY, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 15, 1924. Serial No. 693,002. 26 Claims. (Cl. 105—362.)



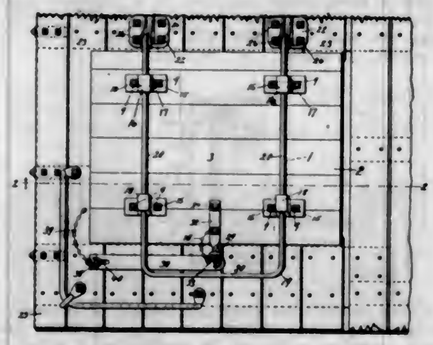
1. In a multiple unit tank car, a supporting means, tank units carried by said supporting means, securing members for said tank units pivotally mounted on said supporting means at the ends of each tank unit and means directly interconnecting the securing members of each tank unit, so as to draw on each against the other in forcing them into engagement with said tank unit.

1,631,308. HUMIDIFYING DEVICE FOR USE WITH INTERNAL-COMBUSTION ENGINES. ANDREW J. COPPOCK, Detroit, Mich. Filed Jan. 25, 1924. Serial No. 688,365. Renewed Apr. 15, 1927. 4 Claims. (Cl. 123—25.)



1. A humidifying device for use in an internal combustion engine comprising the combination with the engine having an intake manifold and a water space of a plate, a main conduit adjacent the plate and three valve members therefor manually operable from the side of the plate opposite the conduit, the said valves being in alignment and the center valve member providing an air inlet, a fuel conduit controlled by one of the end valves, a water conduit controlled by the other end valve, the said water conduit being open to the water space of the engine, and a discharge conduit opening to the intake manifold of the engine through which fluid passing any of the valves directly discharges.

1,631,309. HATCH-COVER OPERATING MEANS FOR REFRIGERATOR CARS. WILLIAM F. DIETRICHSON, Webster Groves, Mo., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 20, 1925. Serial No. 51,516. 22 Claims. (Cl. 268—98.)



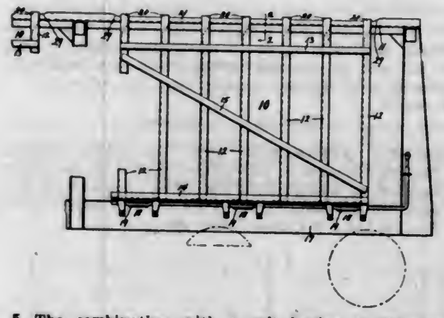
1. In a refrigerator car, a hatchway, a cover for said hatchway, and a lever for raising said cover variably connected to the cover and also having a variable hinge connection to the car.

1,631,310. COUNTER AND HEEL GUARD. MAUDE M. DORAN, Spokane, Wash. Filed Oct. 27, 1926. Serial No. 144,566. 3 Claims. (Cl. 36—72.)



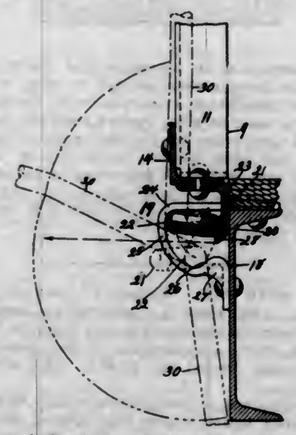
3. In a shoe counter and heel protecting device, a rubber sheet guard proportioned to extend vertically along the rear of the heel and counter of a shoe, said guard having means adapted to engage the heel for holding said guard in position and arching said guard about the heel and counter.

1,631,311. CANE CAR. THOMAS W. ELDER, Jr., Brooklyn, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed July 28, 1926. Serial No. 125,462. 10 Claims. (Cl. 105—378.)



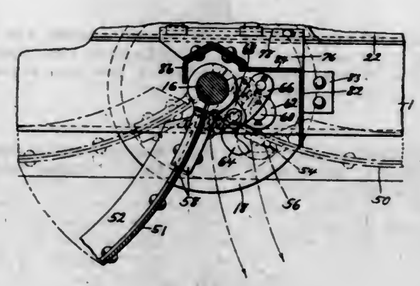
5. The combination with a rail having an inturned upper flange, of a door with biangular hooks for hooking over said flange and shoulders normally extending beneath the rail and the free ends of the hooks, so as to prevent disengagement of the hooks, but releasable by an excessive outward swing of the door, so as to allow it to be lifted off.

1,631,312. CAR-DOOR LOCK. THOMAS W. ELDER, Jr., Brooklyn, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed July 28, 1926. Serial No. 125,463. 7 Claims. (Cl. 105—308.)



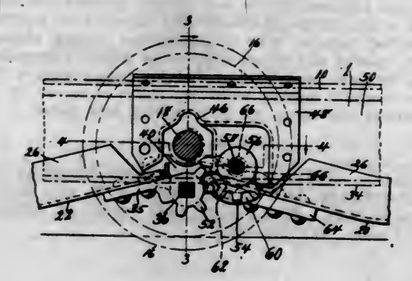
2. A door lock of the character described comprising a rotary crank rod, with portions offset laterally relative to one another, and means cooperating with said relatively offset portions to shift the rotating rod sidewise between an unlocked position where the door may open past it and a locking position in front of the door.

1,631,313. MINE CAR. HENRY P. FIELD, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 14, 1926. Serial No. 81,255. 20 Claims. (Cl. 105—364.)



11. In a mine car, a drop door, latches for holding said door closed, and a second door linked to said latches.

1,631,314. MINE CAR. HENRY P. FIELD, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed July 20, 1926. Serial No. 123,738. 14 Claims. (Cl. 105—364.)

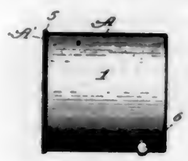


1. In a car, a pivotally mounted door, a pivotally mounted latch for said door, a second pivotally mounted door and cooperating gearing on said latch and said second door.

1,631,315. SAVINGS BANK. CHARLES FISHER, Chicago, Ill., assignor to The Automatic Recording Safe Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1923. Serial No. 670,784. 5 Claims. (Cl. 232—4.)

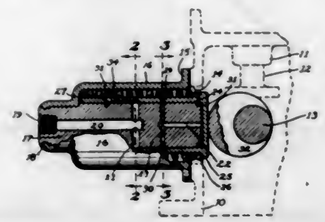
1. A savings bank comprising a casing-section having an open end, a closure having a flange extending into said open end and having an end wall provided with a key-slot and with a coin-slot, stud and slot connection between said casing-section and said flange at one point, a locking member mounted in the casing and engaging said flange at another point, a guard plate adjacent the

inner surface of the end wall of said closure, said guard plate having rearwardly extending flanges, the



flanges of said members being secured together, and a leaf spring confined between the end wall of said closure and said guard plate and having a free end serving as a guard for said coin-slot.

1,631,316. PUMP. HENRY FORD, Dearborn, Mich. Filed June 1, 1926. Serial No. 112,762. 4 Claims. (Cl. 230—27.)



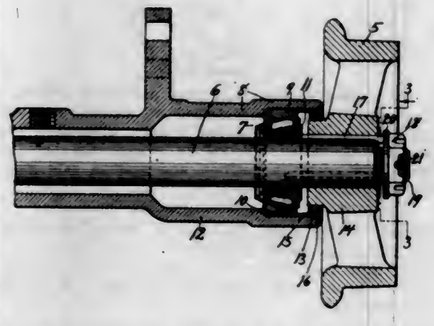
1. In a pump for creating a partial vacuum, a member having an inlet port therein and a passageway therethrough adjacent to the end thereof opposite the inlet port, a cup shaped piston member mounted on the first described member, said piston member having exhaust ports therein and recess designed to permit communication between the inlet port and the passageway in the first described member when the piston is in one of its positions, and means for reciprocating said piston.

1,631,317. BASEBALL CENTER AND PROCESS OF PRODUCING THE SAME. WILLIAM H. FOX, Minneapolis, Minn. Filed Feb. 11, 1927. Serial No. 167,478. 8 Claims. (Cl. 273—60.)



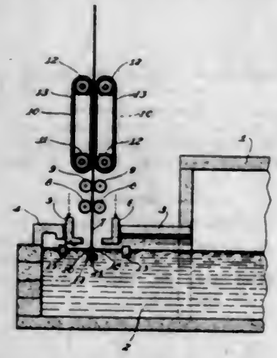
1. As a new article of manufacture, a ball center comprising a spherical center core, a thin spherical layer of rubber applied around said center core, a pair of inner semi-spherical rubber sections applied around and in contact with said spherical rubber layer, a thin outer rubber spherical rubber layer applied around said inner spherical sections, and a pair of semi-spherical outer rubber sections applied around and in contact with said outer spherical rubber layer, the said spherical rubber layers being vulcanized and connecting the contacting elements substantially as an integral structure.

1,631,318. ANTIFRICTION-BEARING APPLICATION. FREDERICK H. GIBBS, Brooklyn, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 16, 1926. Serial No. 116,370. 16 Claims. (Cl. 308—180.)



1. The combination with an axle and a wheel frictionally held thereon, of an antifriction rolling bearing for the axle at one side of the wheel, and means for adjusting said bearing operable from the other side of the wheel.

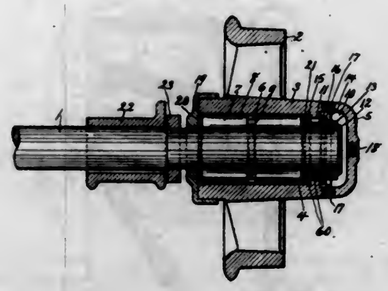
1,631,319. APPARATUS FOR DRAWING SHEET GLASS. JOSEPH S. GREGORIUS, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 21, 1926. Serial No. 143,113. 5 Claims. (Cl. 49—17.)



1. In combination in apparatus for drawing sheet glass, a glass drawing tank adapted to carry a bath of molten glass from which a sheet is to be drawn, means for drawing a sheet of glass upward from the bath with its plane of generation lying transversely of the bath, and a clay bar lying beneath the surface of the glass in alinement with the line of generation of the sheet, and provided with a central longitudinal rib, and with a slot extending through the bar on each side of said rib and parallel thereto.

1,631,320. MINE CAR. WARREN V. JOHNSON, Bloomsburg, Pa., and JOHN L. MCDOWELL, Jersey City, N. J., assignors to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 26, 1926. Serial No. 90,867. 16 Claims. (Cl. 295—49.)

1. In combination, a wheel having a hub with an axle opening therein means closing said opening at one end, an axle projecting into said opening, and means comprising thrust members detachably secured against rotation on the axle within said opening for preventing movement of the wheel along the axle in either direc-



tion, said thrust members having bearing surfaces located near the wall forming the axle opening in the hub and engaging at opposite sides of a part carried by the hub independently of said closing means.

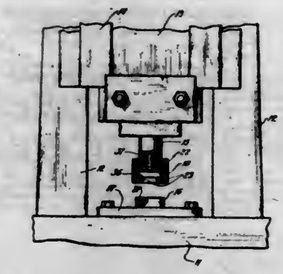
1,631,321. LOCK FOR CAR-DOOR-OPERATING MECHANISM. ADOLPH KASSLER, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,080. 23 Claims. (Cl. 105—250.)

1. In a dumping car, dumping doors, an operating mechanism for said dumping doors comprising a door operating shaft at each end of said doors operatively connected to said doors and means operatively connecting said shafts and locking means for said operating mechanism operated by said connecting means.

1,631,322. MONOLITHIC STRUCTURE AND PROCESS OF MAKING THE SAME. ANTHONY M. KOHLER, East Liverpool, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 9, 1925. Serial No. 36,057. 13 Claims. (Cl. 25—157.)

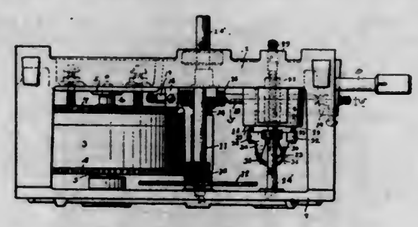
1. The method of making a monolithic structure which comprises heating a shaped plastic refractory mass containing material having a melting point in excess of 3000° F. shielded from the free flame of the furnace until the mass acquires sufficient rigidity to sustain its own weight and thereafter heating said mass with a free flame until the desired cohesion and rigidity are obtained.

1,631,323. STRIPPER DEVICE FOR PERFORATING PUNCHES. NICHOLAS LOESEL, Richmond Hill, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 23, 1925. Serial No. 17,547. 9 Claims. (Cl. 164—110.)



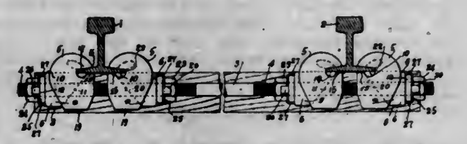
1. In a punch press, the combination of perforating punches, a die block having openings therein into which the punches are adapted to enter after perforating a blank, and resilient stripper washers disposed in said openings and extending around the punches and adapted to strip the punchings from said punches on the upward stroke thereof.

1,631,324. LOW-SPEED GOVERNOR FOR SPRING MOTORS AND THE LIKE. FRED N. MIZER, Elyria, Ohio, assignor to The General Phonograph Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Oct. 31, 1925. Serial No. 66,044. 9 Claims. (Cl. 188—184.)



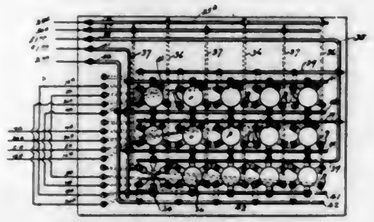
9. The combination with a motor device for use with revolving display supports, of a centrifugal governor, a rotatable shaft, means for rotating the shaft, a collar adjustably secured to said shaft, and governor arms pivotally and freely suspended from said collar, each of said arms having a twisted main arm portion.

1,631,325. RAIL BRACE. JOHN G. MUELLER, Dayton, Ohio. Filed Apr. 14, 1926. Serial No. 102,081. 6 Claims. (Cl. 238—53.)



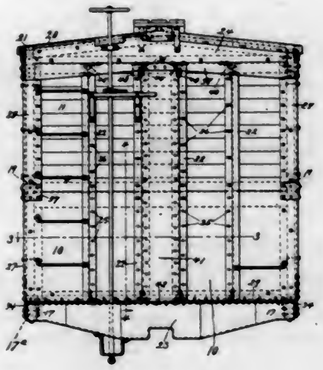
2. In a rail brace, the combination with a tie rod, of clamping members mounted on said rod, wedging members mounted on said rod, and means for urging said wedging members into contact with said clamping members and the bottom of the rail base to clamp the latter.

1,631,326. CHANGE-RETURNING DEVICE. LUDVIG B. NORDLUND, San Francisco, Calif. Filed May 21, 1924. Serial No. 714,907. 2 Claims. (Cl. 133—2.)



1. In a change returning device of the character described, a double control for a plurality of change returning circuits, one control closing gaps in circuits returning change on a possible maximum deposit and the second control completing those of the said circuits only which return change on the actual deposit.

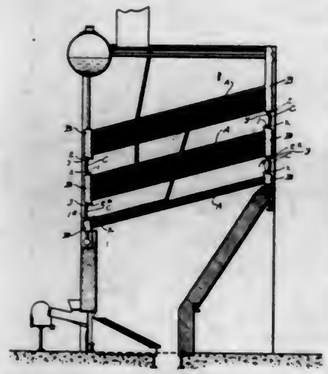
1,631,327. CAR-END CONSTRUCTION. ALLEN E. OSTRANDER, Bronxville, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 12, 1926. Serial No. 141,161. 9 Claims. (Cl. 105—410.)



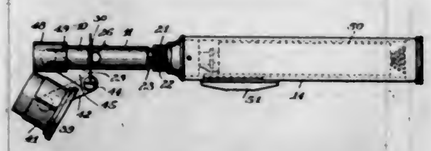
1. A car end construction comprising a sheet metal end panel, an end wall of transverse planking extending upward above said panel, a hood extending entirely across the upper end of the wood planking, external end posts for laterally sustaining said planking and panel, and vertical brace members having their lower ends attached to portions of the car and their upper ends secured within the hood.

1,631,328. BOILER. FREDERICK O. PAHMEYER, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1923. Serial No. 655,665. 1 Claim. (Cl. 122—360.)

A water tube boiler provided with a plurality of superimposed tube banks, sectional headers at the front and rear ends of each of said tube banks, and curved nipples that connect the headers of one bank with the aligned headers of an adjacent bank, the opposed end faces of the two headers to which each nipple is connected being disposed at an angle to the longitudinal axes of the headers and being oppositely inclined for the purpose described.

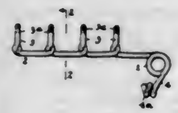


1,631,329. OPTICAL INSTRUMENT. WILLIAM L. PATTERSON, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 29, 1925. Serial No. 26,759. 10 Claims. (Cl. 88—20.)



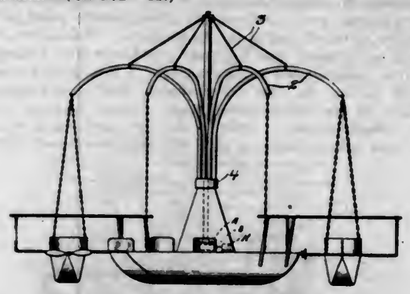
1. In an optical instrument, a casing, a lamp disposed within the casing, a light-projecting lens within the casing, an adjustable diaphragm operable within the casing between the lens and lamp, a condenser between the lamp and diaphragm and an eye piece embodying a magnifying lens mounted for universal movement upon the casing whereby its optical axis is adapted to intersect that of said projecting lens at different distances from the latter.

1,631,330. TENSION DEVICE AND THE LIKE. LUIGI PAVIA, Allentown, Pa. Filed June 23, 1926. Serial No. 118,112. 1 Claim. (Cl. 139—214.)



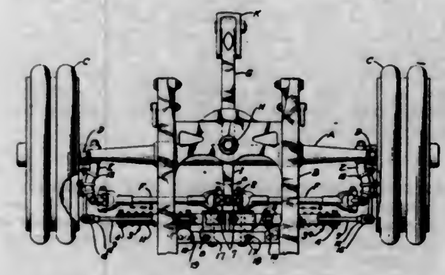
A tension lever of the class described consisting of a piece of wire bent to include a bearing portion, a shank projecting from said bearing portion and having eyelets projecting therefrom at intervals, and an arm forming one end of the wire and bent into an eye to receive the knotted end of a rubber elastic and formed as an open spiral.

1,631,331. CARROUSEL. ANGELO PINTO, Brooklyn, N. Y. Filed Oct. 6, 1924. Serial No. 741,814. 1 Claim. (Cl. 272—41.)



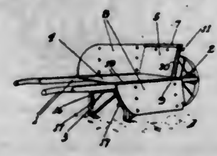
In carrousels, a casing, a shaft passing into said casing, the shaft being adapted to support rotating carriers, a thrust bearing disposed in a seat within the casing, the bearing being apertured to receive an end of said shaft, a friction disk lying under a shoulder on the shaft and thereby adapted to receive the weight of the shaft and its load, the disk being keyed to the shaft, a second friction disk loosely mounted on the shaft below the first disk and supported by said thrust bearing and means for rotating said last named disk.

1,631,332. STEERING-MECHANISM STABILIZER FOR TRAILERS. WALTER E. PLANK, San Francisco, Calif. Filed Mar. 25, 1926. Serial No. 97,473. 4 Claims. (Cl. 280—33.55.)



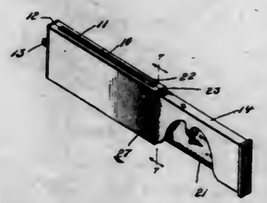
1. In a vehicle of the character described, an axle, steering wheels pivotally mounted on the ends thereof, a main frame resiliently supported with relation to the axle, a draw-bar pivotally connected with the frame, means connected with the draw-bar for controlling the movement of the pivoted steering wheels, and resilient means interposed between the steering wheels and the frame tending to normally maintain the wheels in a straight ahead position.

1,631,333. GARDEN WHEELBARROW. BERNARD PAIVAT, Stockton, Calif. Filed Jan. 16, 1926. Serial No. 81,089. 3 Claims. (Cl. 280—52.)



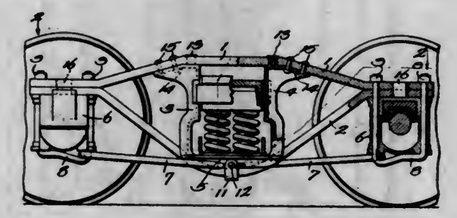
2. A wheelbarrow including fixed bottom and front end boards, side boards hinged along the bottom board and normally abutting against and extending ahead of the front end board, individual latches engaging the front ends of the side boards when the latter are raised, a spring strap mounted onto the front end board and to which the latches are fastened, said strap acting to press the latches against the side boards, and individually operable release means for the latches acting against the strap adjacent the latches for moving the same forwardly and out of engagement with the side boards.

1,631,334. RECEPTACLE. ERNEST J. QVARNSTROM, Attleboro, Mass. Filed Aug. 20, 1925. Serial No. 51,384. 4 Claims. (Cl. 206—39.)



2. A receptacle comprising a box shaped body member having an elongated slot in one of its edge walls, a sheet metal U shaped slide therein, an integral resilient stop raised from the stock of the bridge portion of said U slide to extend into said slot and a resilient portion raised from said bridge adjacent said stop to engage the end portion of the slotted edge wall to hold said slide firm when in extended position.

1,631,335. TRUCK FRAME. HERMAN C. PRIEBE, Blue Island, Ill. Filed Sept. 14, 1926. Serial No. 135,389. 9 Claims. (Cl. 105—204.)

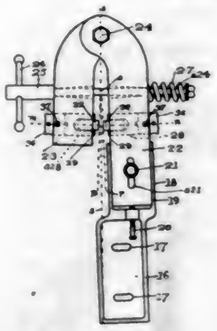


1. A truck side frame including upper and lower arch bars; two columns between said arch bars, there being a yoke joining similar ends of said columns and assembled with one of said arch bars, the ends of the columns opposite said yoke being reduced to form pins and seats at the bases of the pins, said pins entering openings formed in the other arch bar and which arch bar engages said seats, said pins having their outer ends expanded into heads that lap this arch bar; and rivets also uniting said columns and the latter arch bar.

1,631,336. BAND-SAW-TOOTH ROLLER. ALBERT E. PROCTOR, Bellingham, Wash. Filed Dec. 6, 1926. Serial No. 152,824. 8 Claims. (Cl. 76—27.)

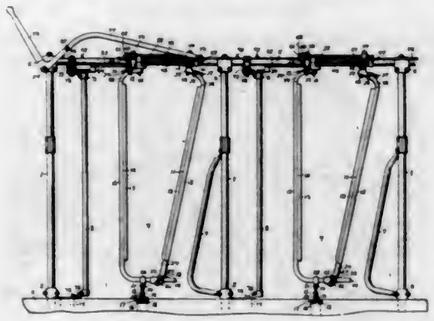
8. In a saw tooth roller in combination, two hinged jaws, each having a bore therethrough at right angles with the axis of said hinge said bores in line in one position in oscillation of said jaws on said hinge and each of said bores having a threaded outer end, a roll housing mounted in each of said bores for revolution and reciprocation therein, a roll mounted for revolution in each of

said roll housings in operative opposite proximity, a screw plug engaged in the said threaded end of each of said bores adapted to bear on said roll housing therein,



means to engage each of said screw plugs with the roll housing in said bore therewith for simultaneous movements in said bore, and means to fasten said screw plugs in desired positions in rotation.

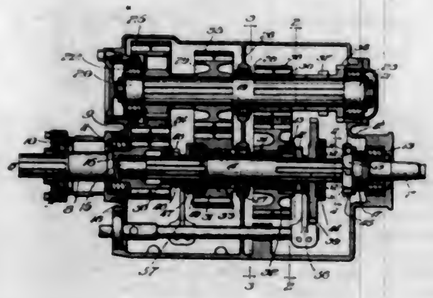
1,631,337. STALL AND STANCHION. ALFRED QUADE and ARTHUR H. KLUMB, West Bend, Wis., assignors to West Bend Equipment Corporation, West Bend, Wis., a Corporation of Wisconsin. Filed May 28, 1925. Serial No. 33,361. 11 Claims. (Cl. 119—148.)



1. The combination with the bows of a stanchion which are connected together at their lower ends for opening and closing movements, of means for confining the lower end of the stanchion without preventing rotational movements thereof, separate means for pivotally supporting the upper ends of the bows, said separate means for pivotally supporting the upper ends of the bows being provided with means for limiting the rotational movement of the bow supported thereby, and means for locking the upper ends of the bows together to permit of rotational movements of the stanchion as a whole when the bows are in closed positions.

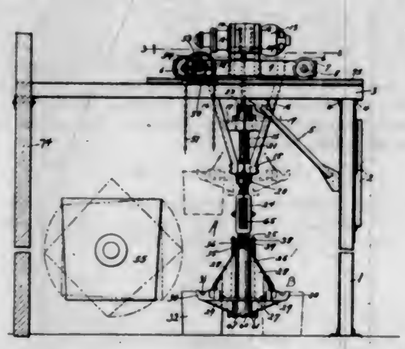
1,631,338. CHANGE-SPEED TRANSMISSION. GEORGE J. RACKHAM, Chicago, Ill., assignor to Yellow Coach Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1923. Serial No. 664,523. 2 Claims. (Cl. 74—59.)

2. In a change speed device, the combination of a driving shaft, a transmission shaft in alignment therewith, a lay shaft parallel to the transmission shaft, a sprocket and chain connection between the driving shaft and the lay shaft for driving the lay shaft in the same direction as the driving shaft, a pair of sprockets of different sizes journalled on the transmission shaft, companion sprockets keyed to the lay shaft, chain drive connections between the lay shaft sprockets and the companion transmission shaft sprockets, a low speed forward drive pinion on the transmission shaft, a reversing pinion on the transmission shaft, further removed from the sprockets thereof than is the first mentioned pinion, an idler pinion meshing with the first mentioned pinion,



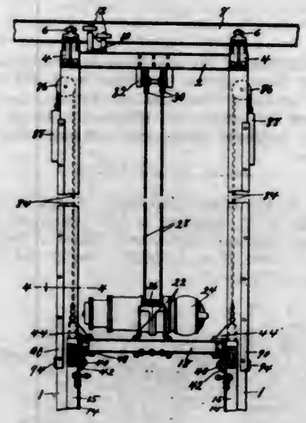
a gear splined to the transmission shaft and of proper size to engage the idler pinion when moved into one position and of proper size to engage the second mentioned larger pinion on the transmission shaft when moved into proper position, a clutch device on said gear, adapted to engage the adjacent transmission shaft sprocket when moved into another position, a sleeve on the transmission shaft, a clutch thereon adapted to engage the adjacent transmission shaft sprocket when moved into one position, and another clutch thereon adapted to engage the driving shaft when moved into another position, substantially as described.

1,631,339. LADLE ELEVATOR. JOHN M. ROHLFING, Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 7, 1923. Serial No. 637,209. 12 Claims. (Cl. 22—82.)



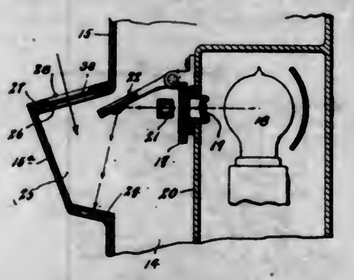
1. A shiftable turret elevator of the character described comprising a carriage, an upright movable up and down relative thereto, guide means for maintaining said upright in definite angular relation to the carriage, and a multiple ladle support rotatably mounted on said upright.

1,631,340. BRAKE FOR ELEVATORS. JOHN M. ROHLFING, Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Original application filed Dec. 15, 1923, Serial No. 680,880. Divided and this application filed Jan. 11, 1926. Serial No. 80,534. 13 Claims. (Cl. 187—81.)



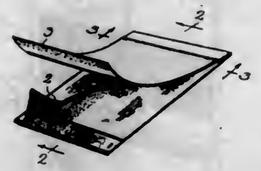
11. In a device of the class described, an elevator, guides for said elevator, supporting brackets for said elevator having surfaces inclined to said guides, counterweights, flexible means connected to said counter-weights and having connections through said brackets, followers carried by said connections, springs interposed between said followers and brackets, and brake shoes shiftable by said followers into wedging engagement with said inclined surfaces and guides upon the yielding of said springs.

1,631,341. PERSONAL WEIGHING SCALE. HARRY C. SCHAPER, St. Louis, Mo., assignor to The Weightograph Company, St. Louis, Mo., a Corporation of Missouri. Filed May 19, 1925. Serial No. 31,379. 2 Claims. (Cl. 88—24.)



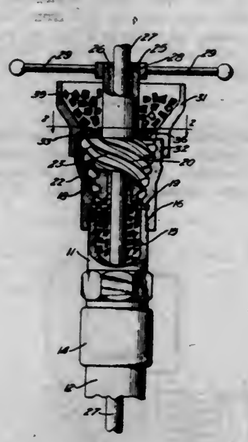
1. In a scale the combination with a housing, of weighing mechanism located within the housing including a transparent weight indicia member, a platform located exteriorly of the housing and connected with said weighing mechanism, an extension connected with the housing having a sight opening lying in substantially a horizontal plane and in view of an operator on the weighing platform, projecting means for projecting the scale indicia, a screen located within the extension and out of view except through said sight opening, and a reflector for reflecting the scale indicia image on to said screen.

1,631,342. PAD FOR HAIR WAVING. ERNST O. SCHNELL, Chicago, Ill. Filed Oct. 14, 1926. Serial No. 141,475. 5 Claims. (Cl. 132—36.2.)



1. A steam pad for the purpose described, comprising a hair treating substance in wafer form, a fabric envelope enclosing said wafer, and having its open edges sealed with a heat-resisting adhesive.

1,631,343. PACKING DEVICE. AUGUST L. SEGELHORST, Whittier, Calif. Filed Oct. 11, 1922. Serial No. 593,855. 4 Claims. (Cl. 286—38.)

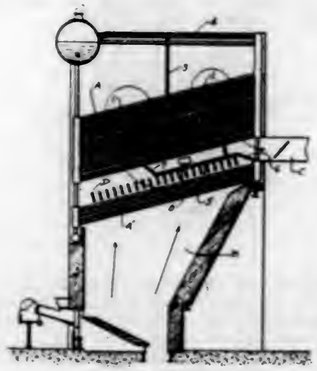


1. In a packing device of the class described, the combination of: a body providing a packing chamber directly surrounding the shaft to be packed; walls providing a receptacle for holding a packing material; and rotatable means comprising a spiral member engaging said packing material and disposed between said packing chamber and said receptacle for forcing said packing material into said packing chamber.

1,631,344. STEAM BOILER. WALTER SIEGERIST, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1928. Serial No. 655,671. 2 Claims. (Cl. 122—303.)

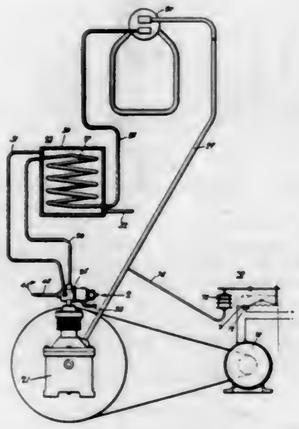
1. A steam boiler, comprising superimposed banks of water tubes that project rearwardly and upwardly from the front wall of the boiler setting, a combustion chamber whose upper portion extends substantially the full length of the boiler so as to cause the tubes of the bottom bank to be subjected to radiant heat throughout

substantially their entire length, a gas outlet at the rear end of the boiler leading from the space between said banks, a transversely-disposed baffle in the space between said tube banks disposed substantially parallel to same and arranged over the rear end portion of the



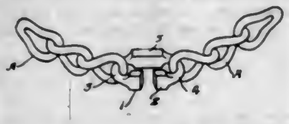
combustion chamber, and a plurality of transverse upright baffles in the upper tube bank disposed in such relation to each other and to the front and rear walls of the boiler setting as to form a first up-pass contracted at its upper end, a final down-pass contracted at its lower end, and a plurality of intermediate passes.

1,631,345. REFRIGERATING APPARATUS. ANTHONY T. STOCK, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed July 26, 1926. Serial No. 124,860. 4 Claims. (Cl. 62—4.)



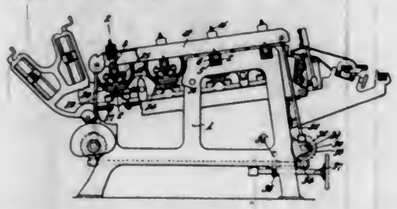
1. A refrigerating apparatus comprising a refrigerant circulatory system having means for circulating the refrigerant in said system and having a condenser portion; a cooling medium circuit for said condenser portion; and means responsive to the temperature of the refrigerant and the medium in said circuit for controlling the flow of said medium.

1,631,346. REPAIR LINK. SAMUEL FRANKLIN SWOOPE, Cincinnati, Ohio. Filed Feb. 12, 1925. Serial No. 8,843. 2 Claims. (Cl. 59—84.)



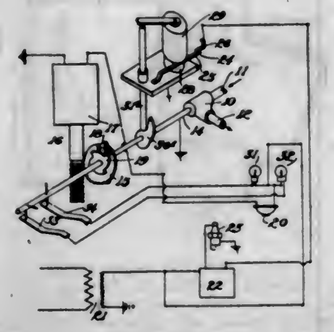
1. A repair link of the character described comprising an enlarged body portion provided with flat surfaces and having merging therefrom rounded in cross section arms adapted to receive the adjacent links of a cross chain of an anti-skid chain, and enlarged ends formed on the arms.

1,631,347. FLAT-WORK IRONER. JAMES H. TAYLOR, New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 3, 1921. Serial No. 512,444. 7 Claims. (Cl. 68—9.)



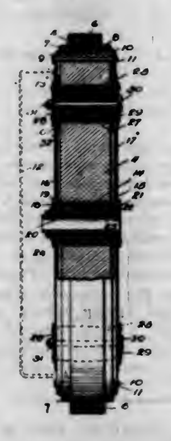
1. In an ironing machine, an ironing member, a superposed padded ironing roll cooperating with said ironing member, means for moving said ironing roll into and out of ironing position, supporting means having a constant position relative to said ironing member, means mounted upon said supporting means for supporting said ironing roll in ironing contact with but with no pressure on said ironing member when all the ironing pressure hereinafter referred to is removed from the ironing roll, and yielding means effective upon said ironing roll for producing the desired yielding ironing pressure upon the work as it passes between said ironing member and said ironing roll.

1,631,348. FURNACE IGNITER. FREDERICK P. TERRY, Alameda, Calif. Filed Aug. 10, 1925. Serial No. 49,491. 2 Claims. (Cl. 158—99.)



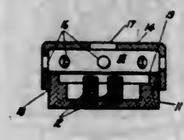
1. A furnace ignition system including a fuel control valve controlling the supply of fuel delivered to the burners of a furnace, electrically actuated means for operating said control valve, a normally open main electrical circuit for operating said means, said valve being normally closed and adapted to be opened to progressively decreasing degrees in successive steps, each step occurring upon the closing and opening of the main circuit whereby by successively closing and opening said main circuit said valve will be advanced through its cycle of operation, a second circuit for creating an ignition spark to ignite fuel delivered to the burners of the furnace, means actuated by the closing of the main circuit at the commencement of the cycle of operation of the valve for closing the second circuit, means for automatically opening the second circuit independently of the main circuit and after a predetermined time period has elapsed, further opening and closing of the main circuit during the remaining portion of the cycle of operation of the valve unaffecting the second circuit.

1,631,349. FLEXIBLE WHEEL. WILLIAM THORNTON, Salt Lake City, Utah. Filed May 17, 1926. Serial No. 109,734. 7 Claims. (Cl. 152—28.)



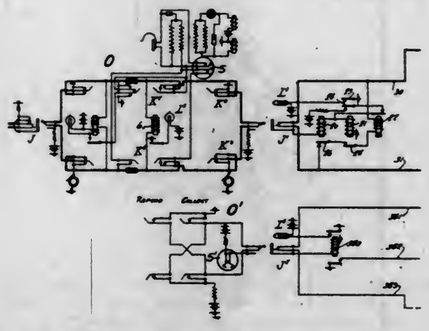
1. A flexible wheel comprising a wheel body, a road engaging tire thereon, a main flexible bushing at the central portion of the wheel, ancillary flexible bushings in the wheel body distributed about said central bushing, and a metal cage adapted to be mounted on the axle and floating in said flexible bushings.

1,631,350. TELEPHONE AND CAP THEREFOR. FRANK WALTER, Los Angeles, Calif. Filed Dec. 16, 1925. Serial No. 75,755. 1 Claim. (Cl. 179—182.)



A cap for a radio telephone receiver of the diaphragm type, said cap having an opening adapted to conduc the sound waves produced by the receiver, said cap extending over the diaphragm, the cap and said diaphragm defining a large, free space immediately interposed between the said opening and the surface of substantially the entire diaphragm, said cap having radial openings connecting said space directly with the external atmosphere.

1,631,351. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Original application filed May 6, 1920, Serial No. 379,217. Divided and this application filed Apr. 2, 1921, Serial No. 458,174. Renewed Nov. 7, 1925. 19 Claims. (Cl. 179—27.)



1. In a telephone system, a first exchange, a second exchange, a trunk line having only two conductors for connecting said exchanges and terminating in a jack in said first exchange, a cord circuit for extending a connection between said exchanges by way of said trunk line, and means operative if disconnection is effected at said first exchange while the trunk is still held at said second exchange for maintaining a busy potential on said jack until the called subscriber replaces his receiver.

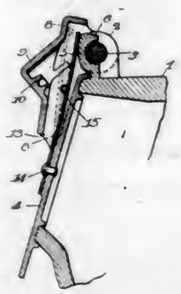
1,631,352. JOURNAL-BOX LID. GEORGE A. WOODMAN, Chicago, Ill. Filed Apr. 1, 1918. Serial No. 225,891. 4 Claims. (Cl. 308—47.)



1. A journal box having an upstanding lug, a lid pivotally mounted on said lug and provided with a housing, the front face of the lug having an intermediate convex

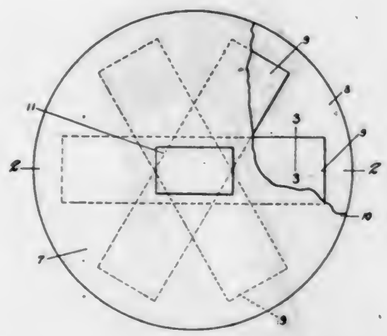
portion eccentric to the pivotal axis of the lid, a bodily movable follower slidably mounted in the housing and guided for rectilinear movement towards and away from the lug, and a spring yieldably maintaining the follower in frictional engagement with the lug, the follower having a contact face portion conforming to the convex portion of the lug for facilitating the operation of opening and closing the lid.

1,631,353. JOURNAL-BOX LID. GEORGE A. WOODMAN, Chicago, Ill., assignor to Woodman Railway Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 25, 1925. Serial No. 45,959. 2 Claims. (Cl. 308—47.)



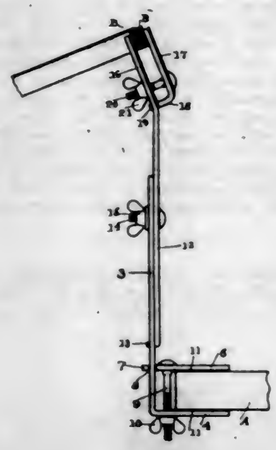
1. As a new article of manufacture, a journal box lid comprising a body provided upon its outer side with a follower-housing projecting above the top of the body of the lid, the inner side of the housing above the top of the lid being open, the outer face of the lid being provided with a raised leaf spring seat at the open bottom end of the housing, the bottom of the housing being open to receive a leaf spring upwardly therethrough, and opposite side walls of the housing having aligned perforations to receive a rod for the purpose described.

1,631,354. BLOW-OUT PATCH FOR BALLOON TIRES. CHARLES E. AYERS, Cleves, Ohio. Filed Aug. 9, 1926. Serial No. 128,081. 7 Claims. (Cl. 152—26.)



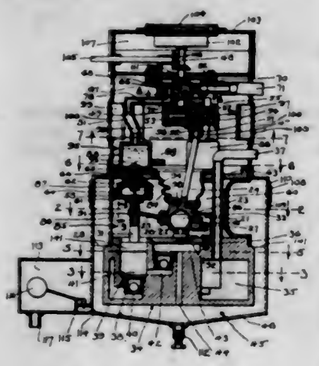
2. A tire patch comprising a rubber base, strips of uncured cord stock overlapping one another at different angles, a sheet of cushion stock superposed upon the base and strips and a piece of raw tread stock surmounting the patch above the overlapped portion of the strips.

1,631,355. EMBROIDERY-HOOP CLAMP. CLARENCE D. BALDWIN, Bellingham, Wash. Filed Jan. 2, 1926. Serial No. 78,932. 1 Claim. (Cl. 45—24.)



In an embroidery hoop clamp in combination, a standard composed of lower and upper parts having registering longitudinal slots therein, a boss on the lower end of said upper standard part engageable in the slot in said lower standard part, a clamping bolt in said slots, a fixed jaw on the lower end of said lower standard part, a loose jaw engaged with said slot in said lower standard part, a clamping bolt through both of said lower jaws, an inclined fixed jaw on the upper end of said upper standard part, a loose jaw having a boss on its lower end engageable in a hole in said upper fixed jaw, and a clamping bolt through both of said upper jaws, said upper jaws having arcuate upper ends.

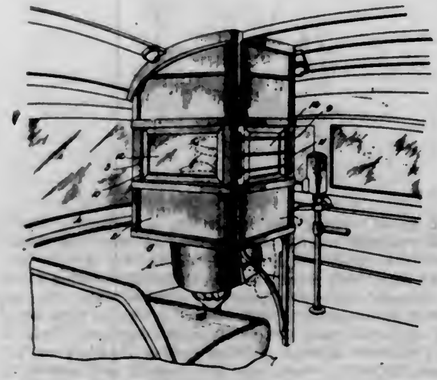
1,631,356. FUEL FEEDING AND METERING SYSTEM AND APPARATUS. THOMAS D. BANNING, Jr., Wilmette, Ill. Filed July 25, 1924. Serial No. 728,209. 43 Claims. (Cl. 103—38.)



1. Liquid metering apparatus comprising in combination three vertical cylinders located at the corners of an equi-lateral triangle, a vertically movable plunger within

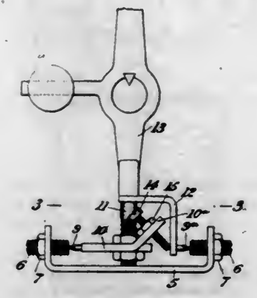
each cylinder, a stem reaching upwards from each plunger, a centrally placed rocker plate between the stems, a central ball and socket support therefor, a connection from the plate to each plunger stem, a common inlet chamber beneath all of the cylinders, an inlet check valve in the floor of each cylinder communicating with the inlet chamber, a discharge chamber beneath the inlet chamber, an outlet check valve controlling communication from each cylinder to the discharge chamber, a central upwardly reaching rocker stem on the rocker plate, a horizontal partition above the rocker plate and having a central opening through which the rocker stem reaches, a flexible gas tight diaphragm between the edge of the perforation and the central portion of the rocker plate around the rocker stem, a collapsible chamber between the partition and each plunger stem, a surge chamber above the partition corresponding to each collapsible chamber and communicating therewith, a partition enclosing the discharge chamber aforesaid and co-operating with the first mentioned partition to establish a gas tight chamber including the space around the rocker plate and around the collapsible chambers and the space above the top sides of the plungers, a partition between the rocker plate together with the plunger stems and collapsible chambers, and the discharge chamber preventing communication except at the upper end of said partition, a rotary valve, a ball and socket crank connection between the rocker stem and said valve, means for adjusting the throw of said crank connection, a motive power connection to said valve, connections from said valve to the surge chamber aforesaid, ports in the valve serving to establish alternative connection between each surge chamber and the motive power connection and atmosphere, in timed succession with respect to the movements of the plungers, suitable liquid in each collapsible cylinder and its surge chamber, and suitable oil on the top sides of the plungers and around the ball and socket joint aforesaid, substantially as described.

1,631,357. DRIVER'S COMPARTMENT FOR VEHICLES. ROBERT F. BLAIR and GEORGE HIND, Detroit, Mich. Filed Aug. 6, 1926. Serial No. 127,502. 5 Claims. (Cl. 105—342.)



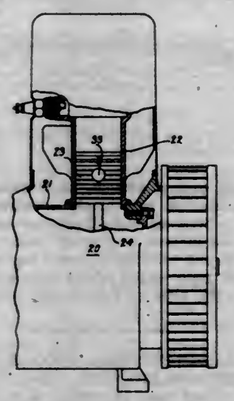
1. In a vehicle, a driver's enclosure comprising a partition including a wall situated rearward of the driver's seat, said wall having a sight opening intermediate of its height, a vertically slidable panel having a glazed portion and an opaque portion, either of which may be brought into justaposition with said sight opening by the sliding of said panel, and means for retaining said panel in either position to which it may be moved.

1,631,358. STAY CONNECTION FOR WEIGHING APPARATUS AND THE LIKE. ERNEST LESLIE BLICK, Altrincham, England, assignor to The Automatic Scale Company, Limited, Altrincham, England. Original application filed June 4, 1923, Serial No. 643,445, and in Great Britain June 24, 1922. Divided and this application filed July 29, 1924. Serial No. 728,946. 3 Claims. (Cl. 265—27.)



1. A stay for use in connection with weighing scales comprising a plate adapted for connection to the resistant mechanism of the scale, a plate adapted for connection with the indicating mechanism, a bearing stay, a cone point bearing connection between said stay and the first mentioned plate and a cone point bearing connection between said stay and the second mentioned plate whereby a substantially frictionless connection is obtained between the resistant mechanism and the indicating mechanism.

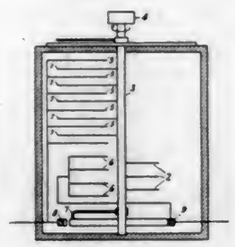
1,631,359. METHOD OF FITTING COOPERATING BODIES. CHARLES S. BROWN, Dayton, Ohio. Filed Apr. 18, 1923. Serial No. 632,958. 9 Claims. (Cl. 29—90.)



1. The method of fitting two bodies having co-operating surfaces which comprises providing one of the bodies with relatively elevated and depressed portions, and moving some of the material of the elevated portions

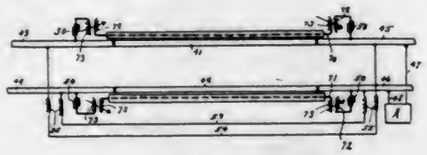
into the depressed portions by producing relative sliding movement between the surfaces while causing the elevated portions of the one body to bear with relatively great pressure on the surface of the other body.

1,631,360. VARIABLE CONDENSER. GEORGE H. CLARK, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 27, 1922. Serial No. 571,249. 8 Claims. (Cl. 250—41.)



1. A variable condenser comprising two variable portions, one portion having a maximum capacity substantially equal to the minimum capacity of the other portion and means for short-circuiting the portions in sequence.

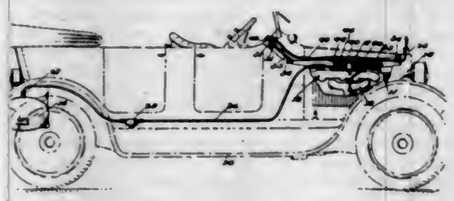
1,631,361. CONDUCTOR FOR TRAIN-CONTROL SYSTEMS. THOMAS E. CLARK, Detroit, Mich., assignor to Continuous Train Control Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 14, 1924. Serial No. 706,375. 9 Claims. (Cl. 246—41.)



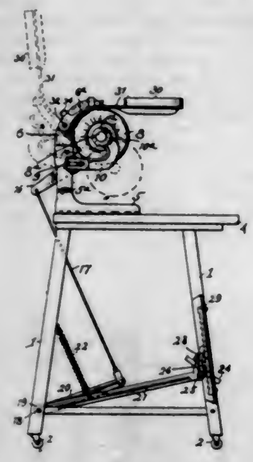
1. In a train control system, in combination with a two-rail track divided into blocks insulated from each other, means to impress radio-frequency current on one of the blocks, conductors electrically connecting the rails of said block to the rails of a second non-adjacent block in the direction from which trains approach, and a condenser between the rails of said second block.

1,631,362. CHARGE-FORMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. EMIL COLLIARD, Arcade, N. Y. Filed Mar. 12, 1924. Serial No. 698,741. 4 Claims. (Cl. 123—25.)

1. In combination with an internal combustion engine having an intake and an exhaust manifold, a water cooling system having a vapor space, and a main fuel supply tank, a combined heating and mixing chamber associated with the exhaust manifold so as to be heated thereby, a connection between the main fuel supply tank and the chamber, said connection communicating with the main fuel tank at a point above the level of the fuel therein, and having a liquid trap therein, a connection between the chamber and the vapor space of the water cooling system, and a connection between the chamber and the intake manifold.



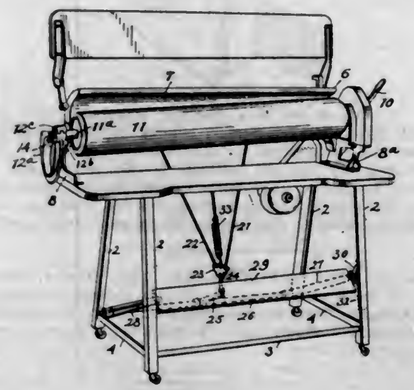
1,631,363. IRONING MACHINE. EARL B. DECKER, Cleveland, Ohio, assignor to Barton R. Deming, Cleveland Heights, Ohio. Filed Oct. 12, 1922. Serial No. 594,179. 6 Claims. (Cl. 68—9.)



1. In an ironing machine having a supporting frame and a pair of ironing elements one movable toward and from the other, means for actuating the movable element comprising a pair of levers pivoted to swing about a common axis, an operating member pivotally connected at its opposite ends to said levers to rock about a longitudinal axis, and means connecting said levers to said movable element coacting locking members on the operating member and frame for retaining said member in a position to which it has been moved, and means operable upon a rocking movement of said operating member for releasing said locking members.

3. In an ironing machine, the combination of an ironing shoe and a roller engageable therewith, means for driving the roller, a table normally extending in front of the roller with its inner edge adjacent the top of the roller and pivotally mounted to swing about an axis parallel with that of the roller and at the rear of the roller, said table being swingable about said axis to a position above and to the rear of said roller and shoe.

1,631,364. IRONING MACHINE. EARL B. DECKER, Cleveland, Ohio, assignor to Barton R. Deming, Cleveland Heights, Ohio. Filed Nov. 25, 1922, Serial No. 603,215. Renewed Nov. 3, 1926. 7 Claims. (Cl. 68—9.)



1. In combination in an ironing machine, an ironing member, a co-operating roller member, means for moving one of said members toward the other comprising independent arms which support the movable member at opposite ends thereof, a movable actuating member, connections between said actuating member and each of said arms including an equalizing mechanism whereby the engaging pressure of said members is uniform.

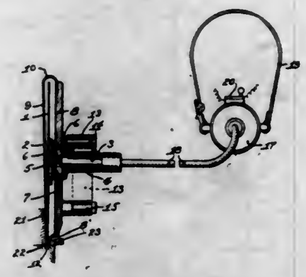
1,631,365. HINGE. FRED W. FAHRENFELD, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 10, 1922. Serial No. 551,421. 5 Claims. (Cl. 220—31.)



1. In combination, a door or cover, a base or support, said support having a trough formed therein, a slot in the support beside said trough, and a hinge member secured to the cover in such a position that an edge of the latter fits into said trough and the surface of the former rides over the opposite side of the trough when the former is inserted into said slot, said hinge member being provided with a projecting extension which engages the base at the edge of said slot, the resulting combination forming a hinge joint which allows said cover to rotate back and forth about said edge as an axis.

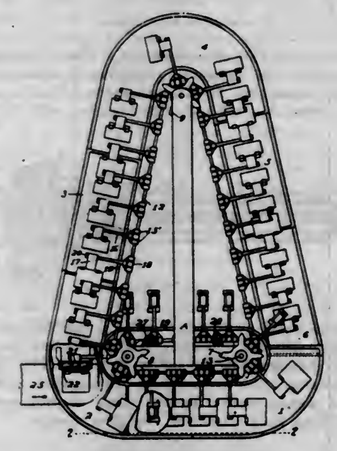
1,631,366. MEAT SAW. GEORGE F. FEISTER, Maricopa, Calif. Filed Nov. 17, 1925. Serial No. 69,589. 7 Claims. (Cl. 17—23.)

1. A sawing device comprising a rotating saw; a housing therefor formed of a pair of spaced plates between which the saw is positioned, the bottom edges of said plates lying closely adjacent to the sides of the saw and being adapted to rest upon the work, and their top edges being more widely spaced from said saw than said bottom edges; a journal member in which said saw is carried; guide means associated with one of said plates



and in which said journal member is mounted for movement toward and away from the work; and means for rotating said saw.

1,631,367. SHEET CONVEYER. ARTHUR J. FREEMAN, Alameda, Calif. Filed Mar. 18, 1924. Serial No. 700,068. 17 Claims. (Cl. 95—89.)

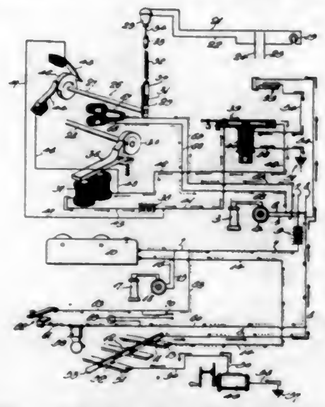


1. In a sheet conveyer a plurality of sheet holders, means for connecting said holders to form a chain, means for temporarily isolating a sheet holder to facilitate the attaching of a sheet thereto and the discharging of a sheet therefrom, mechanism for carrying and driving said chain of holders to convey sheets of material and means for discharging the sheets from the holders.

1,631,368. POLICE SIGNAL SYSTEM. WALTER EDWIN FROST, Auburn, Me., assignor of one-eighth to Mountfort Ernest Hunt and three-eighths to William Elwell Thurlow, Auburn, Me. Filed Jan. 24, 1924. Serial No. 688,310. 1 Claim. (Cl. 179—5.)

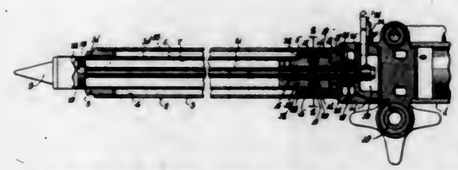
The combination with a telephone circuit from a police station to a policeman's phone box, including a normally closed switch at the station, having a handle by means of which it may be opened, of a signal in proximity to the phone box, electrical means for bringing said signal into play including a circuit formed in part by a portion of said phone circuit and a normally open switch at the station positively connected with said handle to be closed simultaneously with the opening of the first named

switch, an electrical tell-tale at the police station and conductors connecting it with the phone circuit, an automatic switch at the phone box closed by operation of



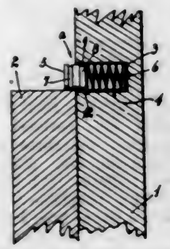
said signal, and conductors connecting said automatic switch with the phone circuit, whereby to operate said tell-tale when the signal is operated.

1,631,369. BRAKING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 21, 1921. Serial No. 454,103. 20 Claims. (Cl. 121—9.)



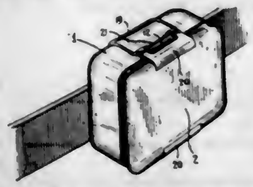
1. Feeding mechanism comprising, in combination, stationary and movable members cooperating to form an expansible chamber feeding motor, means carried by one of said members and frictionally engageable with the other, and means carried by the other of said members for controlling said frictional engaging means.

1,631,370. SASH FASTENER. WALTER H. GILLETTE, Long Beach, Calif. Filed June 2, 1926. Serial No. 113,294. 4 Claims. (Cl. 292—57.)



1. A sash fastener comprising a tubular body adapted to be embedded in the sash, a pin in said body having a pair of annular grooves therein, and a lug on said body extending into either of said grooves to hold said pin in extended or retracted position.

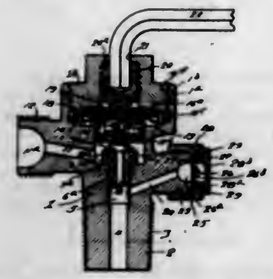
1,631,371. CASE. MICHAEL J. GREUBEL, North Plainfield, N. J. Filed Apr. 6, 1926. Serial No. 100,007. 11 Claims. (Cl. 224—26.)



1. A case of the kind described comprising two sections, means for releasably holding the two sections closed one on another to encase an article, means for attaching one of said sections to the person, and a holder to contain the article carried by the other section, the case being characterized by the fact that said holder is releasable from the section by which it is carried

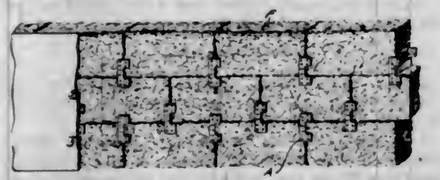
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1,631,372. VALVE FOR TANKS. JOHN HARRIS, Cleveland, Ohio, assignor to The Harris Calorific Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 19, 1924. Serial No. 720,943. 14 Claims. (Cl. 251—31.)



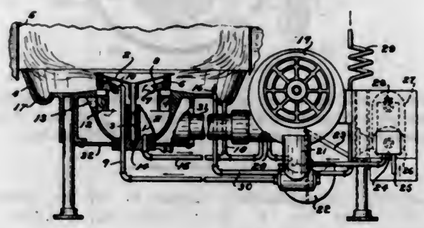
1. In a valve of the character described, the combination of a body having a passage for the supply of fluid, there being a valve seat at the delivery end of said passage, with a diaphragm chamber beyond the said seat and a delivery port communicating with the said chamber, a diaphragm extending across the diaphragm chamber, a valve secured to the central portion of the said diaphragm and adapted to engage the said valve seat, a backing on the opposite surface of the diaphragm from the said valve, a plug for securing the diaphragm to its seat, and a socketed plug threaded within the first mentioned plug, the said socketed plug having a portion adapted to be projected through the bottom of the first mentioned plug to engage said backing and the first mentioned plug being provided with a portion at its upper or outer end adapted to overhang the said plug to prevent its withdrawal in one direction from the first mentioned plug.

1,631,373. PARTITION WALL. JAMES MONROE HEWLETT, Lawrence, N. Y. Filed June 28, 1926. Serial No. 118,884. 5 Claims. (Cl. 72—32.)



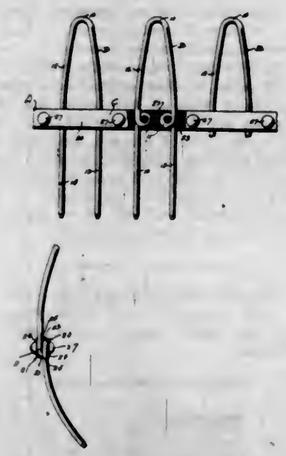
1. In a wall structure made up of courses of blocks laid in staggered relation, clips each having a central portion which extends between two adjacent blocks and having end portions connected with the central portion which end portions extend over parts of the faces of at least three adjacent blocks comprised in the wall.

1,631,374. OIL BURNER. BRUCE K. INGLIS, Milwaukee, Wis., assignor of one-half to Clement W. Inglis, Milwaukee, Wis. Filed June 25, 1923. Serial No. 647,674. 7 Claims. (Cl. 158—77.)



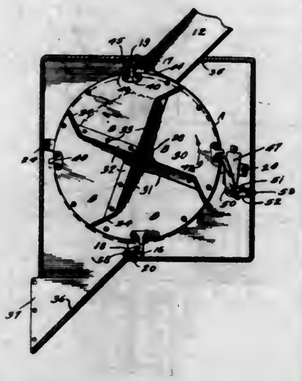
1. In combination, a rotor comprising vertically spaced walls forming an annular space surrounding and extending away from the rotor axis, an annular series of blades surrounding said axis below said space, the discharge edges of said blades being in communication with the inlet of said space, means for directing air tangentially against said blades and toward said axis to rotate said rotor, and means for delivering oil directly into said space near the inlet thereof.

1,631,375. LAWN RAKE. OLIVER C. KENYON, Geneva, Ill. Filed Mar. 14, 1924. Serial No. 699,267. 5 Claims. (Cl. 55—114.)



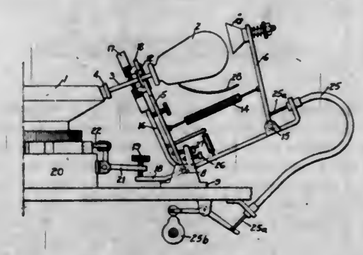
2. In a lawn rake, the combination of a rake frame comprising a pair of angle sections each comprising a short leg and a longer leg, the short leg having a plurality of spaced apart recesses leading inwardly from its free margin, means securing said angle sections together with the short legs abutting the longer legs to provide a passageway extending longitudinally thru the frame, and a series of tooth structures having complete loops intermediate their ends disposed in said passageway and with portions extending from said loops in opposite direction thru said recesses.

1,631,376. GRAIN WEIGHER. WIGGERT LANGERAK, Pella, Iowa, assignor of one-half to Meyer Langerak, Pella, Iowa. Filed Apr. 17, 1924. Serial No. 707,095. 9 Claims. (Cl. 249—19.)



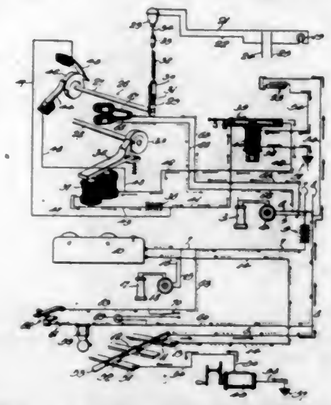
1. An automatic weigher comprising a casing having an inlet and a discharge opening therein, a weigher rotor journaled therein, said weigher rotor having a number of pockets therein adapted to register with the inlet and discharge openings in said casing, means for retaining the weigher rotor in position where a pocket registers with the inlet opening and a pocket with the discharge opening, said last means being rendered inoperative when the contents of one pocket reach a predetermined weight for permitting the pocket registering with the inlet opening to move to position where it registers with the discharge opening, lugs on said rotor and a cam arranged in said casing for engaging the lugs on the rotor and causing said weigher rotor retaining means operative immediately before a pocket registers with said inlet opening.

1,631,377. SEALING-OFF DEVICE. WALTHER-WINFRIED LOEBE and MAX GROSSMANN, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed Feb. 20, 1925, Serial No. 10,552, and in Germany Mar. 14, 1924. 9 Claims. (Cl. 176—2.)



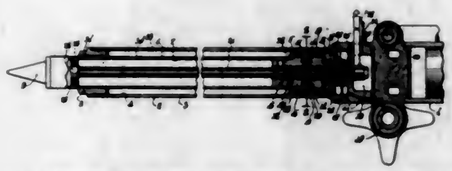
1. In a device of the character described, the combination with a head for holding a tubulated vessel by the end of the exhaust tube, of a holder bodily movable away from said head to elongate said tubulature and comprising relatively movable fingers for gripping said vessel, a burner mounted to direct the flame upon the exhaust tube adjacent said holder, and means actuated subsequent to said bodily movement of said holder to separate said fingers and deliver the vessel from said holder.

switch, an electrical tell-tale at the police station and conductors connecting it with the phone circuit, an automatic switch at the phone box closed by operation of



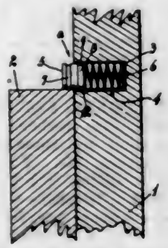
said signal, and conductors connecting said automatic switch with the phone circuit, whereby to operate said tell-tale when the signal is operated.

1,631,369. BRAKING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 21, 1921. Serial No. 454,103. 20 Claims. (Cl. 121—9.)



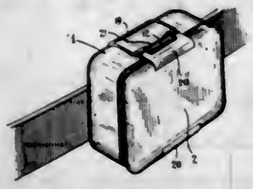
1. Feeding mechanism comprising, in combination, stationary and movable members cooperating to form an expansible chamber feeding motor, means carried by one of said members and frictionally engageable with the other, and means carried by the other of said members for controlling said frictional engaging means.

1,631,370. SASH FASTENER. WALTER H. GILLETTE, Long Beach, Calif. Filed June 2, 1926. Serial No. 113,294. 4 Claims. (Cl. 292—57.)



1. A sash fastener comprising a tubular body adapted to be embedded in the sash, a pin in said body having a pair of annular grooves therein, and a lug on said body extending into either of said grooves to hold said pin in extended or retracted position.

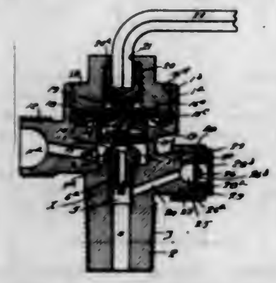
1,631,371. CASE. MICHAEL J. GARUDEL, North Plainfield, N. J. Filed Apr. 6, 1926. Serial No. 100,007. 11 Claims. (Cl. 224—26.)



1. A case of the kind described comprising two sections, means for releasably holding the two sections closed one on another to encase an article, means for attaching one of said sections to the person, and a holder to contain the article carried by the other section, the case being characterized by the fact that said holder is releasable from the section by which it is carried

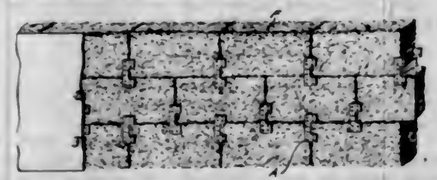
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1,631,372. VALVE FOR TANKS. JOHN HARRIS, Cleveland, Ohio, assignor to The Harris Calorific Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 19, 1924. Serial No. 720,943. 14 Claims. (Cl. 251—31.)



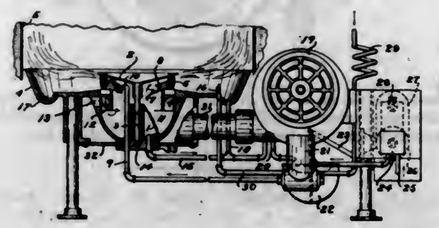
1. In a valve of the character described, the combination of a body having a passage for the supply of fluid, there being a valve seat at the delivery end of said passage, with a diaphragm chamber beyond the said seat and a delivery port communicating with the said chamber, a diaphragm extending across the diaphragm chamber, a valve secured to the central portion of the said diaphragm and adapted to engage the said valve seat, a backing on the opposite surface of the diaphragm from the said valve, a plug for securing the diaphragm to its seat, and a socketed plug threaded within the first mentioned plug, the said socketed plug having a portion adapted to be projected through the bottom of the first mentioned plug to engage said backing and the first mentioned plug being provided with a portion at its upper or outer end adapted to overhang the said plug to prevent its withdrawal in one direction from the first mentioned plug.

1,631,373. PARTITION WALL. JAMES MONROE HEWLETT, Lawrence, N. Y. Filed June 28, 1926. Serial No. 118,884. 5 Claims. (Cl. 72—32.)



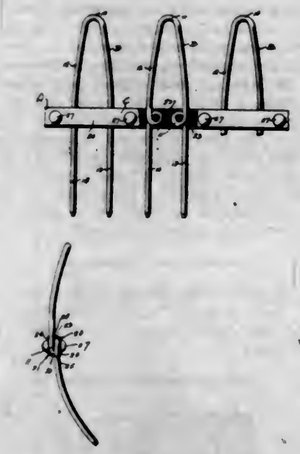
1. In a wall structure made up of courses of blocks laid in staggered relation, clips each having a central portion which extends between two adjacent blocks and having end portions connected with the central portion which end portions extend over parts of the faces of at least three adjacent blocks comprised in the wall.

1,631,374. OIL BURNER. BRUCE K. INGLIS, Milwaukee, Wis., assignor of one-half to Clement W. Inglis, Milwaukee, Wis. Filed June 25, 1923. Serial No. 647,674. 7 Claims. (Cl. 158—77.)



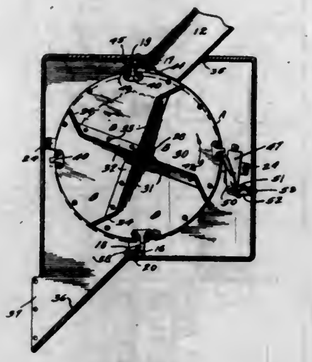
1. In combination, a rotor comprising vertically spaced walls forming an annular space surrounding and extending away from the rotor axis, an annular series of blades surrounding said axis below said space, the discharge edges of said blades being in communication with the inlet of said space, means for directing air tangentially against said blades and toward said axis to rotate said rotor, and means for delivering oil directly into said space near the inlet thereof.

1,631,375. LAWN RAKE. OLIVER C. KENYON, Geneva, Ill. Filed Mar. 14, 1924. Serial No. 699,267. 5 Claims. (Cl. 55—114.)



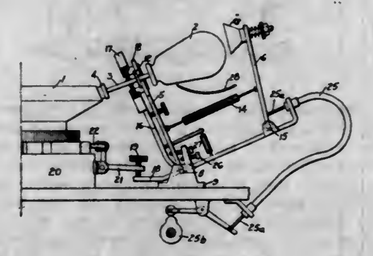
2. In a lawn rake, the combination of a rake frame comprising a pair of angle sections each comprising a short leg and a longer leg, the short leg having a plurality of spaced apart recesses leading inwardly from its free margin, means securing said angle sections together with the short legs abutting the longer legs to provide a passageway extending longitudinally thru the frame, and a series of tooth structures having complete loops intermediate their ends disposed in said passageway and with portions extending from said loops in opposite direction thru said recesses.

1,631,376. GRAIN WEIGHER. WIGGERT LANGERAK, Pella, Iowa, assignor of one-half to Meyer Langerak, Pella, Iowa. Filed Apr. 17, 1924. Serial No. 707,095. 9 Claims. (Cl. 249—19.)



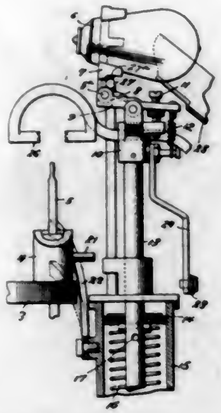
1. An automatic weigher comprising a casing having an inlet and a discharge opening therein, a weigher rotor journaled therein, said weigher rotor having a number of pockets therein adapted to register with the inlet and discharge openings in said casing, means for retaining the weigher rotor in position where a pocket registers with the inlet opening and a pocket with the discharge opening, said last means being rendered inoperative when the contents of one pocket reach a predetermined weight for permitting the pocket registering with the inlet opening to move to position where it registers with the discharge opening, lugs on said rotor and a cam arranged in said casing for engaging the lugs on the rotor and causing said weigher rotor retaining means operative immediately before a pocket registers with said inlet opening.

1,631,377. SEALING-OFF DEVICE. WALTHER-WINFRIED LOEHE and MAX GROSSMANN, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed Feb. 20, 1925, Serial No. 10,552, and in Germany Mar. 14, 1924. 9 Claims. (Cl. 176—2.)



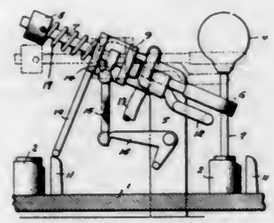
1. In a device of the character described, the combination with a head for holding a tubulated vessel by the end of the exhaust tube, of a holder bodily movable away from said head to elongate said tubulature and comprising relatively movable fingers for gripping said vessel, a burner mounted to direct the flame upon the exhaust tube adjacent said holder, and means actuated subsequent to said bodily movement of said holder to separate said fingers and deliver the vessel from said holder.

1,631,378. SEALING-OFF DEVICE. CARL MARTIN, Kearny, N. J., assignor to General Electric Company, a Corporation of New York. Filed June 4, 1923. Serial No. 643,182. 12 Claims. (Cl. 176—2.)



1. In a device for automatically sealing off a bulb from an exhaust tube comprising a movably mounted bulb fork, means adjacent said fork for heating an exhaust tube, means for automatically moving said fork to pull the bulb away from the exhaust tube sufficiently to seal it off, and means for subsequently tilting said fork to discharge the sealed off bulb from the fork.

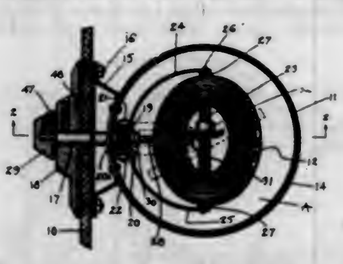
1,631,379. SEALING-OFF TORCH. LOUIS A. MAURER, Irvington, N. J., assignor to General Electric Company, a Corporation of New York. Filed June 4, 1923. Serial No. 643,166. 10 Claims. (Cl. 176—2.)



1. The combination of an exhaust head intermittently movable into and out of sealing off position, a bulb fork which registers with said head in sealing off position and tends when moved out of its normal position toward said head to move back to normal position, a burner mounted to direct a flame between said fork and said head, and means responsive to the movement of said exhaust head for first moving said fork out of normal position toward said head with its open end toward and in the path of an exhaust tube in said head and then as said head reaches sealing off position releasing said fork and leaving it free to return to normal position.

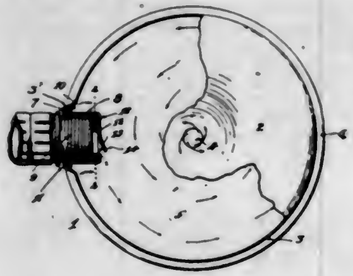
1,631,380. RADIO TUNING DEVICE. WILLIAM L. MILLER, St. Paul, Minn. Filed Sept. 2, 1925. Serial No. 54,129. 12 Claims. (Cl. 171—119.)

1. A radio tuning device for application to a fixed support comprising a coil mounted upon said support, a second coil arranged for rotation relative to said first coil about two intersecting axes, an operating member having a fixed situs relative to said support for rotating said



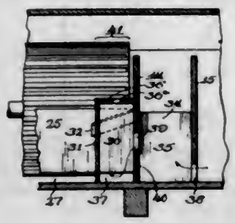
movable coil about one of its axes, and another operating member having a fixed situs relative to said support for independently rotating said coil about its other axis.

1,631,381. SPRINKLER. LEWEN R. NELSON, Peoria, Ill. Filed June 9, 1924. Serial No. 718,723. 3 Claims. (Cl. 299—114.)



1. In combination with a sprinkler head including side and top walls and having a single central discharge orifice in said top wall, a nut secured in the side wall of the head, the axis of whose bore is disposed at right angles to the axis of said orifice, both axes lying in the same plane, a wall at the inner end of said nut lying within the space of said head and at right angles to the axis of the bore of the nut, said wall being integral with said nut and arranged parallel to the axis of the discharge orifice, said wall being slitted and a portion adjacent the slit being bent outwardly to deflect the stream passing through said slit at an angle to the bore of the nut toward the sides of the head.

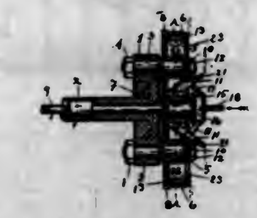
1,631,382. FLOTATION APPARATUS. TOM M. OWEN, Wallace, and MICHAEL P. DALTON, Mullan, Idaho. Filed May 29, 1925. Serial No. 33,601. 8 Claims. (Cl. 209—169.)



1. A flotation apparatus comprising a series of cells, an agitator rotor extending horizontally of each cell, an inlet chamber communicating with each cell adjacent

the bottom thereof through a discharge opening directed toward a relatively short longitudinal portion of said rotor and connected with the preceding cell through an inlet opening at a substantially higher level than said discharge opening, said portion of the rotor acting to elevate the pulp to a predetermined level in each cell.

1,631,383. CENTRIFUGAL APPARATUS FOR SEPARATING PURPOSES. FRANCISCO ANGEL QUIROZ, New York, N. Y. Filed Apr. 23, 1926. Serial No. 104,146. 10 Claims. (Cl. 233—25.)



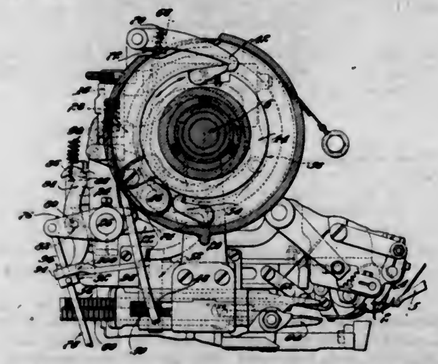
1. A centrifugal separator comprising a container, rotatable in a fixed orbit and also about its own axis, having vanes or ribs extending from one end to the other of the container in such a way that they form pockets at its periphery, said ribs or vanes being set at an angle to the radial line of the container and toward the direction of rotation of the container about its own axis, having means for introducing the material inside the container, means for withdrawing the liquids and means for withdrawing the solids out of the container.

1,631,384. LOTION. FRANCIS A. RICHMOND, Elmira, N. Y., assignor to The Frostilla Company, Elmira, N. Y., a Corporation of Delaware. Filed July 17, 1926. Serial No. 123,252. 6 Claims. (Cl. 167—9.)

1. A lotion for personal use including a base comprising substantially pure citrous pectin.

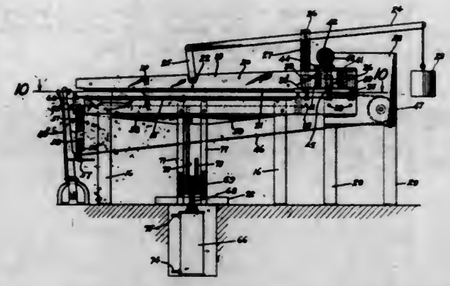
6. A lotion for personal use including a creamy emollient base which includes substantially pure citrous pectin containing not more than 3% of solid impurities.

1,631,385. SEWING MACHINE. FRED RICKS and ERNEST GEORGE EDGAR BURGOYNE, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 2, 1921, Serial No. 457,031, and in Great Britain May 31, 1920. 17 Claims. (Cl. 112—46.)



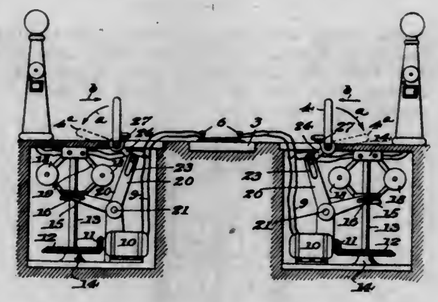
1. A welt shoe sewing machine having, in combination, stitch forming devices, power operated mechanism for severing the welt and means dependent for its actuation upon the performance of a plurality of separate operations on the part of the operator after the completion of the sewing operation for controlling the operation of said mechanism.

1,631,386. METAL-BENDING MACHINE. WILLIAM SEYMOUR, JR., JAMES O. GROFF, and ALBERT SCHAAF, Chicago, Ill., assignors to Joseph T. Ryerson & Son, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1925. Serial No. 20,216. 10 Claims. (Cl. 153—17.)



1. A machine of the class described comprising work-clamping jaws, upper and lower, bending aprons pivoted one at each side of and adjacent said jaws adapted when rocked to perform bending operations upon work clampingly held between and projecting laterally from the jaws, a cylinder centrally below the lower jaw and having a vertical piston rod, and links co-pivotally attached to the rod diverging upwardly and pivotally connecting with respective aprons.

1,631,387. RAILROAD-CROSSING SAFETY DEVICE. GARLAND P. SPRINGFIELD, Evansville, Ind., assignor of one-half to Raymond C. Smith, Vanderburg County, Ind. Filed Aug. 30, 1926. Serial No. 132,514. 1 Claim. (Cl. 39—7.)



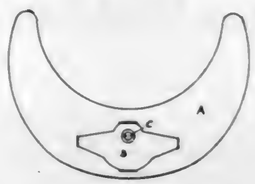
A safety device for railroad crossings comprising a gate or barrier hinged in the region of the level of the crossing and which is adapted to be arranged in an upright position to form an obstruction at the crossing to bar the passage of a vehicle, or to be lowered away from the track to permit passage from the crossing, means being provided to prevent the gate or barrier from being swung downwardly toward the track when said barrier has been raised, and power means for arranging and maintaining the gate or barrier in raised position consisting of a motor and a centrifugal weight-operated governor by which the barrier is raised and kept in raised position so long as the motor operates, the weights of said governor dropping and automatically lowering the gate or barrier when the motor ceases to operate.

1,631,388. GYMNASTIC IMPLEMENT. ALEXANDER WESCHKE, Berlin-Schoneberg, Germany. Filed Mar. 17, 1926, Serial No. 95,451, and in Germany Nov. 18, 1924. 3 Claims. (Cl. 272—84.)



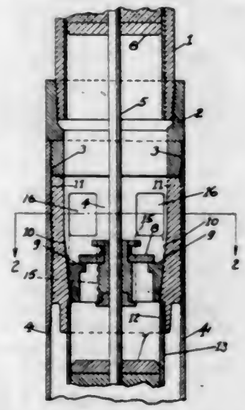
1. Gymnastic device comprising a handle and a weight, separate rods secured to said handle, and to said weight, and a resilient connection between said rods.

1,631,389. MANUFACTURE OF CAPS. MARY JANE WEST, Nelson, England. Filed May 10, 1926, Serial No. 108,085, and in Great Britain May 11, 1925. 1 Claim. (Cl. 2—195.)



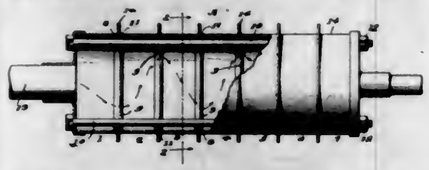
A stiffener for the peak of a cap, comprising a piece of sheet metal having a central portion and four tapering and pointed arms which project radially from the central portion, two of the arms being of greater length than the other two, the two long arms being arranged in line with each other, the two short arms also being arranged in line with each other and crosswise of the long arms, and the pointed ends of all the arms being adapted to be bent over and passed through openings in the peak of the cap and clenched to the peak.

1,631,390. DEEP-WELL-PUMP CONNECTING DEVICE. GEORGE E. WILLERS, Lawrenceburg, Ind., assignor to A. D. Cook, Inc., Lawrenceburg, Ind., a Corporation of Indiana. Filed July 16, 1925. Serial No. 44,027. 3 Claims. (Cl. 103—187.)



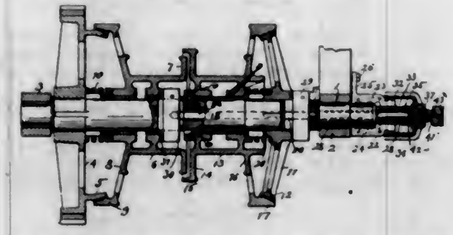
1. In a deep well pump, an upper barrel, a lower barrel casing, a lower working barrel within the lower barrel casing, a housing between the upper barrel and the lower working barrel, a bushing for connecting the lower barrel casing with the upper barrel, and an independent member mounted within the lower barrel casing supporting the lower working barrel and the housing.

1,631,391. MUFFLER. JOHN WARD WILLIAMS, Buffalo, N. Y. Filed Dec. 7, 1925. Serial No. 73,719. 1 Claim. (Cl. 137—160.)



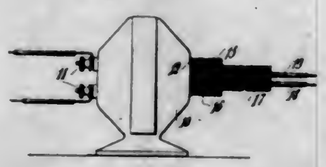
A device of the character described including a plurality of cup-shaped sections provided with outwardly extending flanges at their outer edges, the bottom portions of the sections having right-angle indentations in close proximity to the bottom edges of the sections to provide seats for the upper edges in such manner that the outer flanges are in approximately the same plane with the bottoms of the sections, suitable end sections and means for securing the several sections in their proper relationship.

1,631,392. CLUTCH-OPERATING MECHANISM. JAMES F. WRIGHT, Cleveland, Ohio, assignor to The McMyler Interstate Company, Bedford, Ohio, a Corporation of Ohio. Filed Dec. 9, 1922. Serial No. 605,830. 6 Claims. (Cl. 192—94.)



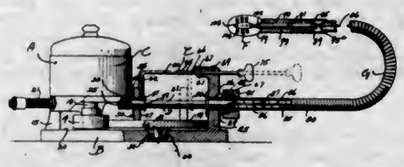
1. In a clutch controlled mechanism the combination with a hollow rotatable shaft, of clutch members slidable on the shaft, a hollow push pin within the shaft for shifting one of the clutch members, a push pin within the hollow push pin for shifting another clutch member, and means at one end of the shaft for operating said push pins.

1,631,393. TRANSFORMER. HENRY P. ANDREOLI, Long Beach, N. Y. Filed Feb. 11, 1925. Serial No. 8,358. 2 Claims. (Cl. 175—361.)



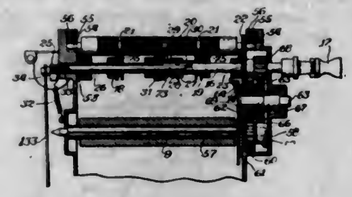
1. A transformer casing having terminals at one side thereof for the secondary winding of the transformer and provided at its opposite side with a projecting guide nipple for leads connected with the primary winding of the transformer, and said nipple provided with means for rigidly connecting the same with the wall of an outlet box or conduit member.

1,631,394. MOTOR-DRIVEN TOOTHBRUSH. GLEN WILLIAM BAIRD and ARTHUR LAMB, Drummond, Idaho. Filed Aug. 18, 1924. Serial No. 732,799. 1 Claim. (Cl. 74—26.)



In a motor driven tooth brush the combination of a horizontally supported base, a motor mounted on the base having a drive shaft vertically disposed in right angled relation with the base, a drive wheel on the shaft between the motor and the base, a relatively large wheel having a spindle extending from one side thereof and being smooth and flat on the opposite side thereof, means rotatably supporting said spindle in the horizontal base with the relatively large wheel horizontally supported above the horizontal base with its smooth flat side uppermost and at its periphery in driven engagement with the peripheral edge of the motor wheel, a standard rigid with the base in right angled vertically upstanding relation therefrom, a driven shaft horizontally supported by said standard including a horizontal portion extending substantially diametrically across the relatively large wheel above the upper surface thereof in spaced relation, a friction wheel splined on the driven shaft above the relatively large wheel and at its periphery being in driven engagement with the upper surface of the relatively large wheel, the length of the driven shaft above the relatively large wheel being such that the friction wheel may be slid diametrically across the relatively large wheel into engagement therewith at the opposite sides of the axis of rotation of the relatively large wheel, and operating means slidably carried by the standard for moving the friction wheel and holding it in a desired engagement with the relatively large wheel for drive of the driven shaft.

1,631,395. AUTOGRAPHIC-REGISTER CASH DRAWER. WALTER R. BARKER and LOUIS JENSEN, Chicago, Ill., assignors to United Autographic Register Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1923. Serial No. 673,988. 8 Claims. (Cl. 235—5.)



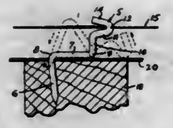
1. An autographic register comprising a frame and a normally ineffective paper feeding roller mounted thereon, a cash drawer slidable in said frame, a drawer latch, a normally ineffective drawer release, means for operating said feed roller, and a depressible key for rendering said paper feeding roller effective and set the drawer release mechanism upon an operation of said means.

1,631,396. CLAMPING DEVICE. RAYMOND E. BEEGLE, East St. Louis, Ill., assignor of one-half to William J. Steinbreder, St. Louis, Mo. Filed Oct. 23, 1924. Serial No. 745,405. 11 Claims. (Cl. 24—19.)

1. A clamping device comprising a flexible band shaped to produce an annular member, and a projecting portion on said band, said projecting portion comprising a pair of legs arranged at an angle to each other to provide an approximately V-shaped space therebetween, and said projecting portion being adapted to be bent to cause said annular member to be contracted, said band being provided with an abutment with which a portion of said band contacts when said projecting portion has been bent to contract said annular member.

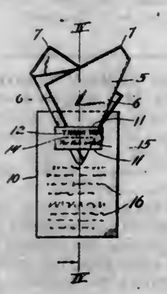


1,631,397. STUCCO NAIL. CLAUDE E. BOWERS, Los Angeles, Calif. Filed Mar. 13, 1926. Serial No. 94,385. 4 Claims. (Cl. 72—118.)



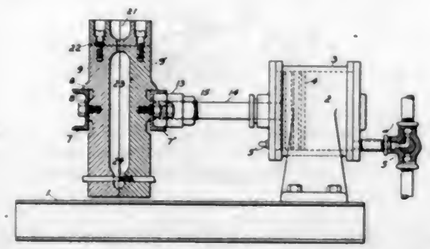
2. A stucco nail consisting of a single piece of wire provided with a wall penetrating point and bent upon itself to form an angular portion, the pointed leg of the angle when driven into the wall bending the other leg of the angle into a plane parallel with the wall surface, that portion of the wire extending beyond the angular portion being bent to form a hooked wire receiving end.

1,631,398. DISPLAY KERCHIEF. LAWRENCE A. CAMPBELL, Kansas City, Mo. Filed Sept. 22, 1924. Serial No. 739,089. 1 Claim. (Cl. 24—3.)



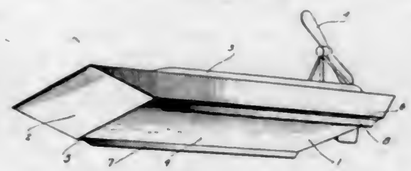
A display kerchief for outside coat pockets comprising a fabric kerchief adapted to be folded inside the top of the pocket, a flat comparatively stiff supporting and holding member of such size that when the bottom thereof is resting upon the bottom of the pocket the kerchief is in proper display position, said supporting member having a pair of spaced parallel slits for holding the lower portion of the kerchief and maintaining the kerchief in folded condition, and a row of stitching intermediate said slits adapted to secure the kerchief to the material of said flat supporting member between said slits.

1,631,399. CASTING MACHINE. WALTER J. CHRISTIE, Alameda, Calif. Filed Dec. 1, 1922, Serial No. 604,277. Renewed Nov. 1, 1926. 5 Claims. (Cl. 22—149.)



1. As an element of a casting machine, a mold section having a cavity on one face and recesses on its side faces at the parting line of the mold, such, that when similar sections are positioned side by side a vent shaft will be formed centrally between the castings for the escapement of heat radiation.

1,631,400. BOAT. T. B. COLLINS, also known as Timothy Banker Collins, deceased, Daytona, Fla., by George R. Collins, administrator, Kansas City, Mo. Filed June 17, 1925. Serial No. 37,672. 2 Claims. (Cl. 114—66.5.)



1. A boat having a smooth, flat, uninterrupted bottom, an inclined substantially plane faced bow merging therewith and a pair of substantially parallel fins extending longitudinally of said bottom adjacent the side edges thereof and depending therefrom substantially perpendicular to said bottom, said fins having bevelled forward ends.

1,631,401. PROCESS OF MAKING MOTOR FUEL. ROY CROSS, Kansas City, Mo., assignor to Gasoline Products Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 12, 1925. Serial No. 56,070. 5 Claims. (Cl. 196—37.)

1. A process of making motor fuel having antidetonating properties, comprising the steps of subjecting petroleum oil to the solvent action of sulphur dioxide, removing the undissolved hydrocarbons from the sulphur dioxide fraction, extracting the sulphur dioxide from the dissolved fraction, subjecting the residue to cracking conditions of temperature and pressure.

1,631,402. BALE-BAND BUCKLE. THOMAS J. M. DALY, Memphis, Tenn. Filed Apr. 17, 1925. Serial No. 23,927. 2 Claims. (Cl. 24—21.)

1. A buckle comprising a bail-like body having side bars, a cross bar straight between and connecting the side bars at one end, one of the side bars being extended from said cross bar in the plane of the latter and the other side bar inclining normally upward from its end connected with the cross bar toward its other or free end, an end bar extending from the free end of the inclined side bar toward the other side bar and having its extremity returned inwardly in hook form for a portion of the length of the said end bar and above the latter and the other side bar of the bail having at its



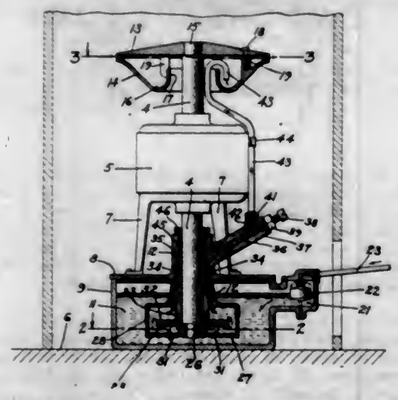
free end a short inwardly projecting arm in the plane of said side bar and the first named cross bar as and for the purpose set forth.

1,631,403. LOG RAFT. MATTHEW J. DAVIS, Portland, Oreg. Filed Dec. 1, 1924. Serial No. 753,339. 6 Claims. (Cl. 9—15.)



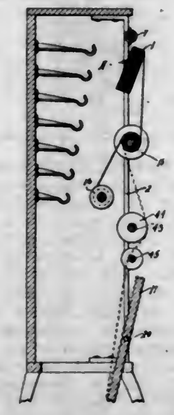
1. A log raft comprising a raft floor, and a superimposed load of logs upon the floor, means for binding the superimposed load of logs to the raft floor, transversely disposed logs upon the ends of the raft and lines binding the ends of the raft floor to the transverse logs and lines extending longitudinally of the raft to bind the transverse logs together.

1,631,404. CENTRIFUGAL FLUID-FUEL BURNER. FREDERICK S. DENISON, Minneapolis, Minn., assignor to Minneapolis Heat Regulator Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Mar. 24, 1924. Serial No. 701,480. 4 Claims. (Cl. 158—77.)



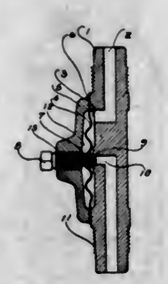
1. A device of the class described comprising a reservoir base, having a bearing in its top wall extending within the reservoir, a motor mounted above the reservoir base having a vertical shaft rotatable in the bearing, a hollow burner head upon the shaft having a vertical flange defining an opening encircling the shaft, a conduit communicating with the reservoir, leading through said bearing and including a pipe extending freely through the opening of the burner head to deliver at the inner side of the vertical flange and within the head, and a pump within the reservoir base rotatable by a shaft and adapted to deliver oil through the conduit.

1,631,405. DRY-GOODS-MEASURING MACHINE. JAMES YOUNG DOWNING, Jackson, Miss. Filed July 28, 1924. Serial No. 728,759. 1 Claim. (Cl. 33—131.)



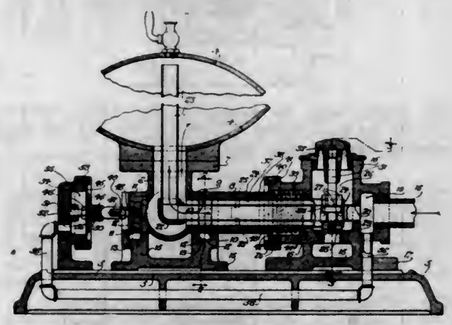
A device of the class described including a supporting frame, means detachably, removably and rotatably supporting a bolt of material in the frame, a tube removably supported in the same beneath the bolt supporting means, means whereby to impart rotative movement to said tube for winding material thereon from the bolt and means disposed between the layer of material as it is wound upon the tube whereby to measure said material when removed from the tube.

1,631,406. VALVE. CHARLES P. EISENHAUER, Dayton, Ohio, assignor to The Duro Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 23, 1925. Serial No. 70,836. 2 Claims. (Cl. 251—31.)



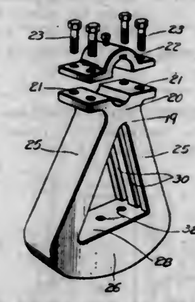
1. In a valve, a valve body having a passageway therethrough, a valve member adapted to control said passageway, a diaphragm associated with said valve member and said passageway interposed between the valve member and its actuating means, and an actuating means for said valve member, separable from said diaphragm and valve member said diaphragm being corrugated, said valve member being located in and positioned by one of the corrugations of said diaphragm.

1,631,407. TILTING TRAP. NORMAN C. ELLIS and HUBERT C. ELLIS, Evanston, Ill., assignors to Ellis Drier & Elevator Company, Chicago, Ill., a Corporation of Wisconsin. Filed Aug. 4, 1922. Serial No. 579,656. 11 Claims. (Cl. 137—103.)



3. In a tilting trap, the combination of a tiltable drum, a trunnion pipe secured to and movable with the drum, having a fluid passage connected to the drum, a stationary pipe in the trunnion pipe communicating with the drum, a stationary fitting in which the stationary pipe is secured, and a valve inside of the fitting and operated by the trunnion-pipe.

1,631,408. COUNTERBALANCING MEANS FOR WELL-PUMPING APPARATUS. CHARLIE CAMDON FETTY, Eldorado, Kans. Filed May 20, 1926. Serial No. 110,581. 5 Claims. (Cl. 74—71.)

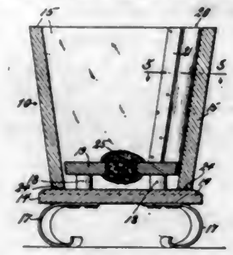


1. In pumping apparatus, a shaft, a band wheel thereon, a crank on said shaft and a counterbalancing member on said shaft, said counterbalancing member comprising a yoke-like arm having a shaft engaging portion at one end thereof and a weight removably anchored in said yoke-like arm.

1,631,409. WOODEN POT FOR PLANTS. JOHN CHARLES FINN, Los Angeles, Calif. Filed Apr. 11, 1925. Serial No. 22,394. 1 Claim. (Cl. 47—38.)

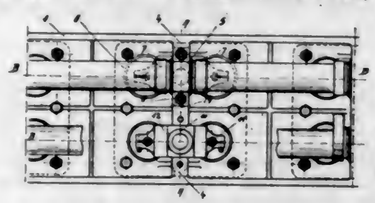
A wooden pot for plants including a thick wooden bottom and side walls, a removable rigid false bottom made of wood to support the dirt in the pot and spaced from the bottom of the pot to form a water chamber and spaced from the wall of the pot and having an opening through it, a conduit on the inside of the wall of the pot leading from the top of the pot down through the

false bottom to supply water directly to the water chamber, and a sponge filling the opening in the false bottom and held therein by expansion and extending above and



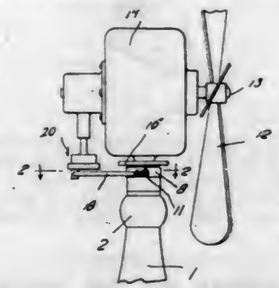
also freely below the same into the water chamber, whereby the false bottom will be kept wet and the earth irrigated from the false bottom.

1,631,410. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. GUIDO FORNACA, Turin, Italy. Filed Mar. 20, 1926, Serial No. 96,229, and in Italy Mar. 25, 1925. 6 Claims. (Cl. 123—90.)



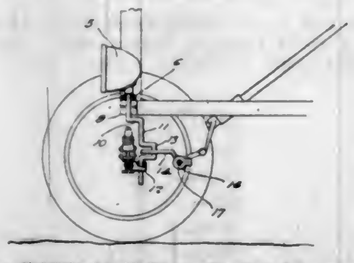
3. A valve mechanism for internal combustion engines, comprising a plurality of valves grouped in sets, and having stems in parallel relation, a cross-piece bearing on the end of the stem of each valve of a set, a shaft arranged above the cross-pieces, bearings for said shaft, mounted between the valve stems of each set, extensions formed on each bearing constituting guides for said cross pieces, and cams mounted on the shafts in proximity to and laterally of each bearing, each set of cams cooperating with a cross piece for actuating the corresponding set of valves.

1,631,411. ELECTRIC FAN. EPHRAIM GOLDFAIN and SAMUEL FOWLER, Oklahoma City, Okla. Filed Oct. 25, 1926. Serial No. 144,053. 1 Claim. (Cl. 230—256.)



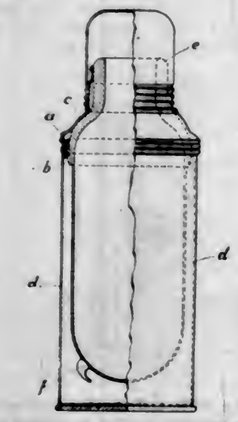
In an electric fan, an upright support, a head rotatable on the support and including a fan rotatable about an axis at a right angle to the axis of rotation of the head, an eccentric operatively connected with the fan, an annular ratchet on the support, an annulus circumjacent the ratchet, a set screw in the annulus and engageable with the ratchet to lock the ratchet and annulus together, a spring pressed pawl mounted in the annulus to engage the ratchet, and a link engaged with the eccentric and the annulus so that with one operation of the fan oscillatory movement is imparted to the head when the set screw is engaged with the ratchet or rotary intermittent motion is imparted to the head when the set screw is disengaged from the ratchet.

1,631,412. DIRIGIBLE HEADLIGHT CONSTRUCTION FOR AUTOMOBILES. FRED GREENLEE, Gallia, Ohio. Filed Oct. 7, 1926. Serial No. 140,110. 1 Claim. (Cl. 240—62.)



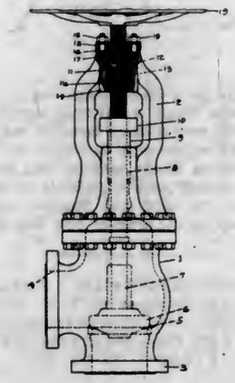
In a dirigible headlight construction for automobiles, the combination with the frame, the cross bar extending across the forward end of the frame, the front axle and the transverse connecting rod of the steering mechanism, a shaft mounted vertically for rotation at the front of the automobile, bearings arranged upon the top of the cross bar and the inner side of the front axle, the upper portion of said shaft extending through the cross bar and through the upper bearing, the lower end of the shaft being journaled in the lower bearing on the front axle, a headlight secured on the upper end of the shaft, the portion of the shaft below the cross bar being directed rearwardy and then downwardly, the lower portion of the shaft being bent to form a rearwardly extending crank at a point slightly above the front axle, a connecting arm between the crank and the connecting rod of the steering mechanism, said arm being formed at its inner end with split clamping means for engagement with the connecting rod, the forward end of the arm being formed with a longitudinal slot for receiving the crank portion of the shaft.

1,631,413. HEAT-INSULATING BOTTLE. ALBERT GÜNTHER and RICHARD GERTLOFF, Schmiedefeld in Thuringen, Germany. Filed June 8, 1926, Serial No. 114,450, and in Germany Mar. 4, 1926. 3 Claims. (Cl. 215—13.)



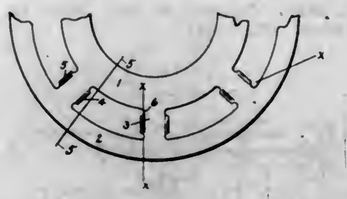
1. In an insulating bottle, a glass bottle having the upper portion thereof thickened to present an outstanding reinforce, a ring cooperating with the reinforce and having an internal diameter slightly less than the maximum external diameter of the reinforce, whereby the ring can only engage with the reinforce from the bottom of the bottle, and a casing cooperating with the ring and binding the same upon the reinforce.

1,631,414. VALVE. FREDERICK H. REHEMANN, Cincinnati, Ohio, assignor to The Lunkenheimer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 25, 1926. Serial No. 83,513. 3 Claims. (Cl. 251—49.)



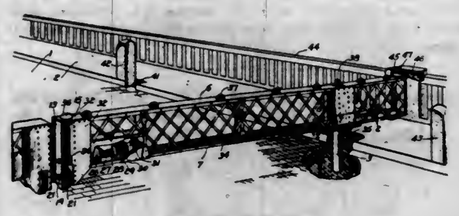
1. In combination with a valve having a stem, a valve casing, a bushing having internal threads, and the stem having threads engaging those of said bushing, said bushing slidably mounted in the casing with clamping members for controlling the extent of slidable movement of the bushing.

1,631,415. LOCK WASHER. RICHARD T. HOSKING, Wilmette, Ill., assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1925. Serial No. 9,147. 1 Claim. (Cl. 151—35.)



A spring-tooth lock washer comprising an inner and an outer concentric annular ring of spring material spaced apart and connected by a plurality of substantially radial bars spaced apart circumferentially and spanning the annular space between said rings, the two lateral margins of each bar flanged, one upwardly, the other downwardly, each of said flanged margins being of suitably narrow width to cause its gripping edge to engage the face of the work and dig into the same by a rolling movement when the work tends to turn in a direction to unscrew the same.

1,631,416. TRAFFIC GATE. ERNEST E. HOWARD, Kansas City, Mo. Filed Mar. 20, 1926. Serial No. 96,351. 10 Claims. (Cl. 39—7.)



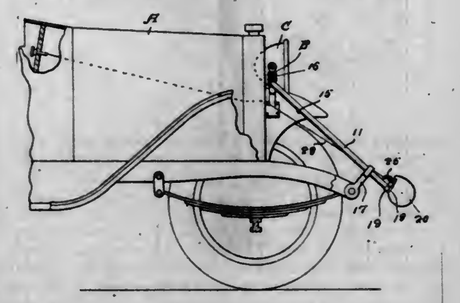
1. A traffic gate comprising a pivotally mounted barrier, having a ground wheel at its free end and a motor operatively connected with the ground wheel to rotate the same.

4. A traffic gate comprising a barrier having pivotal mounting at one of its ends, a ground wheel supporting the opposite end of the barrier, a gear wheel carried by the ground wheel, a drive pinion in mesh with the gear wheel and means carried by the gate for operating the pinion.

6. A traffic gate comprising paired barriers pivotally mounted at opposite sides of a roadway in a line perpendicular to the roadway, the combined length of the barriers being greater than the width of the roadway, whereby the ends of the barriers must contact as they approach said perpendicular line to lock the barriers against continued movement in the direction of said line, supporting ground wheels on said barriers, and an individual motor on each barrier operatively connected with the corresponding ground wheel.

10. In combination with a roadway, a sidewalk and a rail for the sidewalk, the rail having a vertical shouldered recess and a switch shifting surface within the recess, a pivotally mounted barrier having roadway and sidewalk sections, the end of the sidewalk section movable into and from the railing recess, and a motor for operating the barrier.

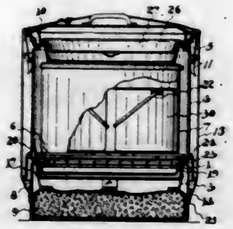
1,631,417. FENDER ATTACHMENT FOR AUTOMOBILES. HENRY H. IRWIN and WILLIAM ATTOR CARPENTER, Greenville, S. C. Filed Sept. 8, 1926. Serial No. 134,250. 3 Claims. (Cl. 293—26.)



2. An automobile attachment of the character described comprising a frame mounted on the front of the machine and including spaced parallel limbs, rods slidable in said limbs and normally held in retracted positions, a casing supported by said rods and normally arranged for use in the capacity of a bumper for the machine, a

roller journaled in said casing, a netting normally wound about the roller and having one end secured to said frame, means for automatically projecting said rods in advance of said frame and simultaneously unwind the netting from said roller incident to the release of said rods, and manually operable means for releasing said rods from a point adjacent the driver's seat of the machine.

1,631,418. COOKING APPARATUS. PHILIP T. JACKSON, Toronto, Ontario, Canada. Filed May 21, 1926. Serial No. 110,710. 12 Claims. (Cl. 126—38.)



1. In cooking apparatus the combination of a fuel basket; and a cylinder adapted, when positioned one end up, to rest on the rim of the fuel basket, and when turned with the other end up, to slip over and enclose the fuel basket.

1,631,419. APPARATUS FOR PLUGGING WELLS. MYRON M. KINLEY, Tulsa, Okla. Filed June 4, 1926. Serial No. 113,712. 5 Claims. (Cl. 166—13.)



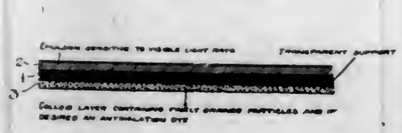
1. Apparatus for plugging wells comprising a rupturable container, a plug of expansible material in the lower portion of the container providing an upper space for sealing material and having a chamber for containing a charge of explosive, and fulminating means comprising a cap located in said chamber.

1,631,420. MUD GUARD FOR VEHICLES. ALEX KLOSS, Aachen-Rothe Erde, Germany. Filed Jan. 2, 1926, Serial No. 78,940, and in Germany Nov. 7, 1924. 4 Claims. (Cl. 280—152.)



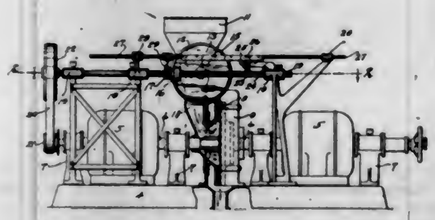
1. A mud guard for vehicles comprising a rigid skirt secured to a vehicle frame, a catching member supported solely by the skirt said member being of flexible material and formed with a plurality of beads on one surface thereof for stiffening of the material and means carried by the skirt to interfit with a plurality of said beads to thereby interlock the skirt and member, and provide a means for supporting the member over the skirt.

1,631,421. PHOTOGRAPHIC FILM. WILHELM LOHÖFER, Leipsic, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Nov. 3, 1923, Serial No. 672,650, and in Germany Mar. 9, 1923. 4 Claims. (Cl. 95—9.)



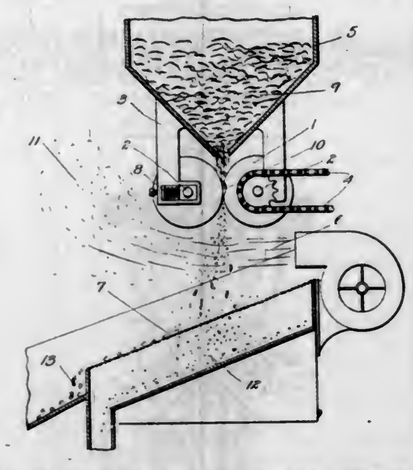
1. A film for photographic work with visible light rays comprising a supporting flexible sheet having on one side thereof a coating of material sensitive to visible light rays and upon the other side a coating of a colloid material containing finely grained particles in an amount and with a grain size enabling retouching.

1,631,422. ATTRITION MILL. WEBSTER LOKEM, Windom, Minn. Filed Oct. 30, 1926. Serial No. 145,203. 6 Claims. (Cl. 83—44.)



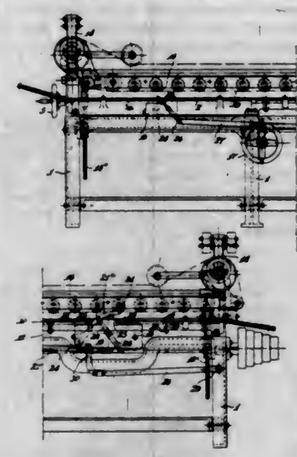
1. The combination with a pair of co-operating members, and power means for operating the same, of a corrugated feed roll for the members, and friction, variable speed, driving connections for the feed roll from the power means.

1,631,423. METHOD OF PURIFYING IRON SCALE. ANTON LUCAS, Kansas City, Mo. Filed Nov. 16, 1925. Serial No. 69,333. 2 Claims. (Cl. 209—2.)



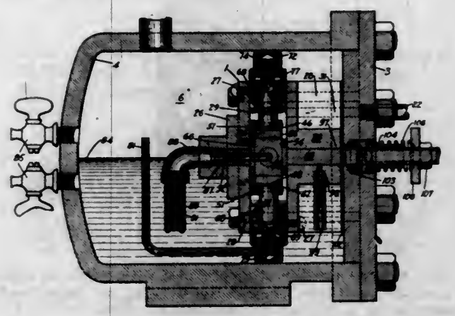
1. The method of purifying iron scale, consisting of crushing the scale between crushing elements yieldable to substances of greater hardness than the scale and then separating the light crushed substances from the other substances, and then separating the scale from the remaining substances.

1,631,424. CAN-SOLDERING MACHINE. WILLIAM JOHN LUXTON and WILLIAM AHIRA GREEN, London, England. Filed Dec. 16, 1926, Serial No. 155,221, and in Great Britain Oct. 20, 1925. 2 Claims. (Cl. 113—78.)



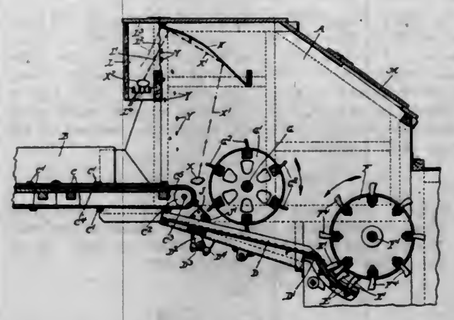
1. In a can soldering machine of the type wherein solder is elevated from a low well to a high well, a plurality of ladle devices for lifting the solder from a low well to a high well, pivoted arms carrying said ladle devices, a reciprocable member connecting said arms, a reciprocating connecting rod, and a loose connection between said rod and said member whereby the latter is moved by the former under normal working conditions, but rides free thereof when abnormal resistance is encountered by the ladles.

1,631,425. COMPRESSOR. HENRY C. MARCUS, San Francisco, and WILFRED FOURNESS, Oakland, Calif. Filed Mar. 1, 1923. Serial No. 622,023. 12 Claims. (Cl. 230—27.)



1. In a compressor, a housing enclosing a supply chamber and formed with bores comprising cylinders, pistons arranged in said cylinders, means for reciprocating said pistons, means for introducing the gas to be compressed into said chamber, means for establishing communication between each cylinder and said chamber prior to the beginning of the compression stroke of the piston therein, means for permitting the escape of the compressed gas from the cylinder, a receiver for said compressed gas enclosing said housing and adapted to hold a quantity of oil, and passages extending from below the oil lever to said pistons and said reciprocating means.

1,631,426. HULLER. FRANK H. MOENING, Coe Township, Isabella County, Mich. Filed Apr. 10, 1925. Serial No. 22,013. 17 Claims. (Cl. 130—30.)

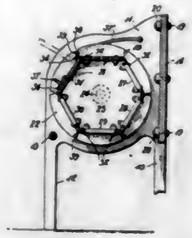


2. A stone picker adapted to remove stones and other foreign material from a stream of grain which includes a rotating cylinder mounted in the path of the grain and provided with members adapted as the cylinder is rotated to contact the stones and drive them upward from the stream of material, in combination with a deflector and a receiving compartment having an open side closed by a swinging flexible cushioning curtain whereby material removed by the stone picker is deflected from the deflector against the curtain and into the receiving pocket.

1,631,427. REVOLVING GRATE. ERNEST R. MOORE, Gadsden, Ala. Filed Feb. 23, 1926. Serial No. 89,907. 2 Claims. (Cl. 126—181.)

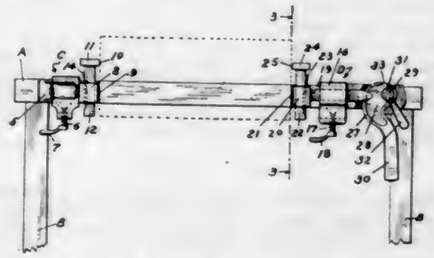
1. A basket grate comprising end supports and connecting members, journals in said supports, a hollow polygonal

grate having end members provided with trunnions adapted to be mounted in said journals, certain of the sides of said grate being provided with relatively large open-



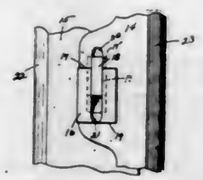
ings, at least one side being provided with relatively small openings, and one of said sides being an imperforate cover.

1,631,428. BENCH CLAMP. MARTIN EVALD OLSON, Minneapolis, Minn. Filed May 17, 1926. Serial No. 109,802. 1 Claim. (Cl. 144—307.)



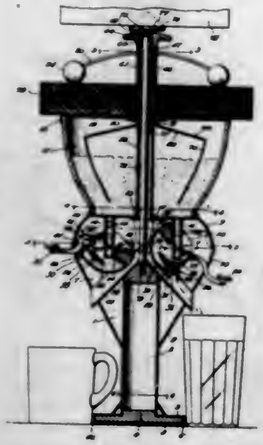
A bench clamp comprising a pair of opposed units one of which is provided with a normally stationary clamp member, a horizontally movable bar carried by the other unit and having a complementing clamp member, a cam member having a flange for engagement with and to actuate the bar, said flange having a notch which when registered with the bar will permit the removal of the same from the unit.

1,631,429. TELESCOPING TIRE RIM. ALBERT ROSS PARSONS, Bonaparte, Iowa, assignor of one-half to Paul Woods, Bonaparte, Iowa. Filed Jan. 15, 1926. Serial No. 81,391. 1 Claim. (Cl. 301—35.)



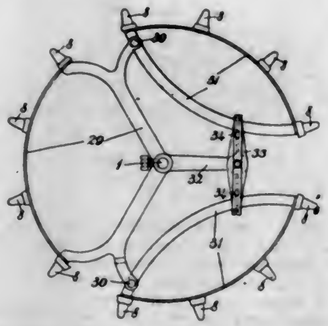
A demountable rim comprising an outer section formed with a projection on its inner face, said projection being formed with a dove tail groove opening to one end only of said projection, an inner section formed with a notch at one edge adapted to embrace said projection and formed with a dove tail groove adapted to aline and co-act with the first mentioned groove when said sections are in normal position, a slidable key designed to be completely received in the first mentioned groove and adapted to be moved to a position where it will project partly within the second mentioned groove, and an annular flange on each of said sections designed to embrace one side of a tire.

1,631,430. DISPENSING APPARATUS. SIGMOND SCHREIBER, Pittsburgh, Pa. Filed July 27, 1925. Serial No. 46,433. 4 Claims. (Cl. 221—98.)



1. In dispensing apparatus, a reservoir, a spout in communication with the bottom thereof, a delivery spout below the first mentioned spout, a measuring and delivering valve rotatably mounted upon the first mentioned spout and arranged to receive material therefrom in one position of adjustment and in another position of adjustment to deliver the material into the second mentioned spout, means for actuating the valve, and buffer elements carried by the valve for coaction with the first mentioned spout to cushion the movement of the valve to the said positions of adjustment thereof.

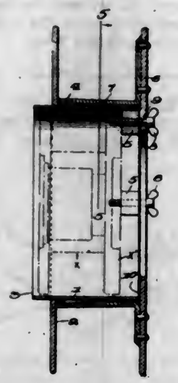
1,631,431. COLLAPSIBLE REEL FOR WINDING FILAMENTS, YARNS, THREADS, SILKS, AND THE LIKE. FRIEDRICH WILHELM SCHUBERT, Apperley Bridge, near Bradford, England, assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Filed June 21, 1926. Serial No. 117,538, and in Great Britain July 2, 1925. 2 Claims. (Cl. 242—111.)



1. Collapsible reels for winding filaments, yarns, threads, silks and the like, wherein the filament supporting surface or surfaces comprise three segmental portions,

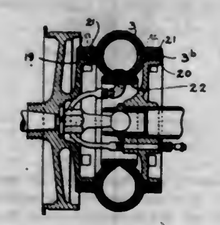
two of which are pivotally connected to the third and adjustably secured to each other, means being provided for locking the segments in the extended or erected position.

1,631,432. TAKE-UP REEL. THOMAS JOSEPH SCHUETZ, Tulsa, Okla., assignor to Braden Steel & Winch Company, Tulsa, Okla. Filed Dec. 27, 1926. Serial No. 157,374. 6 Claims. (Cl. 242—95.)



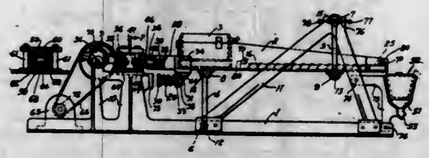
6. In combination with a winch secured to the driving wheel of a motor vehicle, a take-up reel comprising an inner member consisting of a cylinder adapted to fit over said winch and having a circumferential flange extending therefrom, a beveled ring on said cylinder immediately adjacent said flange, a plurality of internally threaded lugs on the inner surface of said cylinder at its outer extremity, an outer member comprising a disc having a plurality of angle spring bars secured thereto, the free arms of said bars extending approximately at right angles thereto, said spring bars being adapted to be slipped over said cylinder, and expanded by said beveled ring on said inner member, a plurality of apertures in said disc member arranged adjacent said internally threaded lugs on said inner member, and bolts adapted to be inserted through said apertures and screwed through said lugs into apertures provided in the outer wall of said winch, whereby said inner and outer members are secured together and operatively engage said winch.

1,631,433. YIELDING ROTARY DRIVING MECHANISM. FREDERICK RICHARD SIMMS, London, England. Filed July 29, 1924, Serial No. 728,990, and in Great Britain Aug. 10, 1923. 6 Claims. (Cl. 64—96.)



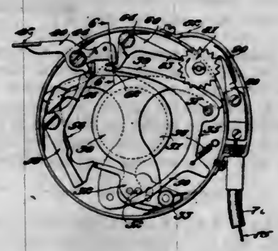
1. Yielding rotary driving mechanism comprising a driving member, a driven member, and a pneumatic cushioning means interposed between and positively secured to said members and placed in sheer stress when transmitting a driving torque from one member to the other, said cushioning means comprising a unitary outer flexible casing and an inflatable inner tube.

1,631,434. AMALGAMATING MACHINE. CHARLES E. SMITH, Azusa, Calif. Filed Sept. 28, 1925. Serial No. 59,079. 2 Claims. (Cl. 209—14.)



1. In an amalgamating and concentrating machine of the class described, a frame, a sluice operatively mounted in said frame upon two sets of links, one set of said links being extended upwardly from said frame to the front-bottom end of said sluice, and the other set of said links being extended downwardly from said frame to the rear-bottom end of said sluice, an adjustable vibrating means adapted to regulate the vibratory movements thereof, a power transmission means connected to said vibrating means, a riffle means positioned in the rear portion of said sluice adapted to concentrate the minerals escaping in the tailings from said amalgamated ores, a pan positioned in the forward end of said sluice adapted to hold mineral amalgamating elements, a box positioned above said pan, there being an ore screening means in the forward bottom end of said box, and an adjustable shock and stroke compensating means adapted to regulate the movements of said vibratory means.

1,631,435. SHUTTER CONTROL FOR CAMERAS. RICHMOND W. SMITH, Walpole, Mass. Filed Apr. 19, 1921. Serial No. 462,546. 7 Claims. (Cl. 95—31.)

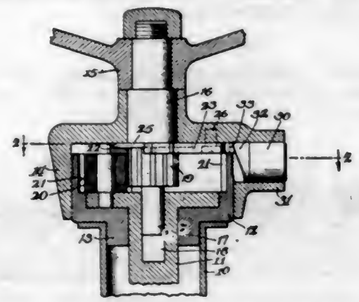


1. A camera comprising a shutter control lever, a shutter mechanism cooperating therewith and adapted to open the shutter upon movement of the control lever from its initial position, a pivoted locking dog adapted to engage the control lever to prevent the return of the lever to initial position, a ratchet wheel engaging the locking dog, and means for turning the ratchet wheel upon movement of the film spool for releasing the locking dog to permit return of the control lever.

1,631,436. STEERING-WHEEL LOCK FOR AUTOMOBILES. FRANKLIN W. STEWART, Chicago, Ill. Filed Dec. 7, 1923. Serial No. 679,089. 1 Claim. (Cl. 70—129.)

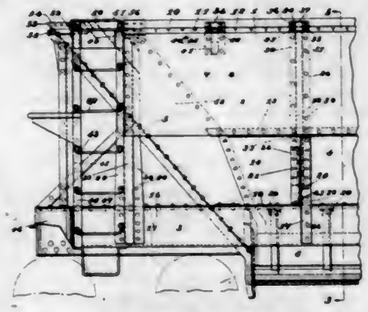
The combination with a steering wheel, of a shaft, a steering wheel post and a housing, planetary gears mounted in said housing, one of said gears being mounted

on said shaft, a flange on said shaft of greater diameter than said gear, a ratchet wheel of greater diameter than



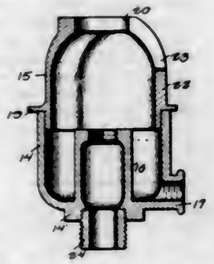
said flange and having a recess therein which receives said flange and a spring pawl mounted within said housing whereby it normally engages said ratchet.

1,631,437. CAR CONSTRUCTION. JOHN F. STREIB, Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 5, 1923. Serial No. 660,984. 5 Claims. (Cl. 105—247.)



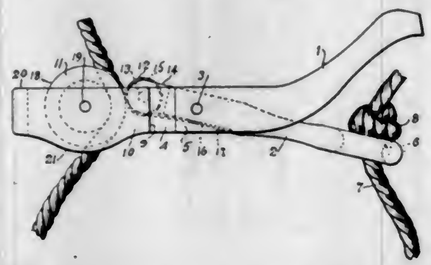
1. In a freight car, a wall having a vertically disposed upper portion and an inwardly extending lower portion, a side sill, a brace between the lower portion of said wall and said sill and secured thereto and adapted to fill the space therebetween, a stake on the inside of said wall, and a stake arranged on the outside of said wall and secured to said sill brace and first mentioned stake.

1,631,438. VALVE SHIELD. MAURICE SULLIVAN, Brooklyn, N. Y. Filed Dec. 16, 1925. Serial No. 75,811. 1 Claim. (Cl. 137—53.)



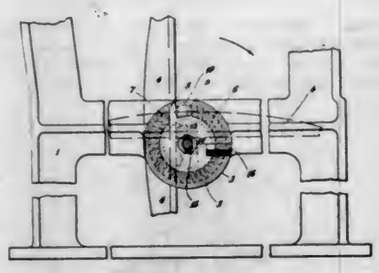
A shield for steam valves comprising a lower housing section of semi-spherical formation open at its upper end and formed with a restricted opening at its lower end adapted to engage a support member, a valve supporting tube formed integral with and centrally in said lower section and provided with a screw threaded opening at its upper end to accommodate a valve, a laterally extending drain nozzle formed at the lower end of the said section, a complementary cover section of semi-cylindrical formation adapted to be telescopically fitted in the upper edge of the lower section and having an annular flange formed adjacent its lower edge resting on the upper edge of the lower section, a steam escape opening formed at the upper edge of the said cover section, and an arcuate slot formed in the side of the upper section communicating with the opening adapted to accommodate a valve operating lever.

1,631,439. LOCKING MECHANISM FOR SHOCK ROPES. ANDREW TIMEUS, Sidney, Ohio. Filed Aug. 17, 1926. Serial No. 129,836. 1 Claim. (Cl. 100—31.)



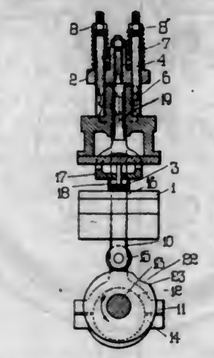
In combination, a frame having a slot in the side thereof communicating with a slot passing fore and aft thereof, a lever pivoted therein having an eye at one end and jaws at the other, a ratchet wheel pivotally supported between said jaws, a spring pawl carried by said lever for preventing the return movement of said ratchet wheel, a pulley mounted in said frame pivotally adapted to be engaged by said ratchet wheel, and a handle on said frame disposed at an angle thereto and depending flanges on the side wall of the frame extending below the margins of the pulley.

1,631,440. TIP-UP AND LIKE CHAIR. DAVID EDWARD TURNER, London, England. Filed June 9, 1924, Serial No. 718,920, and in Great Britain Oct. 17, 1923. 5 Claims. (Cl. 155—85.)



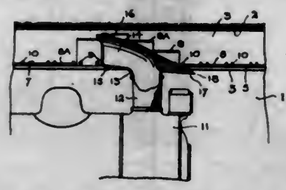
1. A tip-up chair including a pair of spaced standards, a seat supported by and between the standards, a casing mounted on one of the standards and disposed approximately midway of the front and back of the standard with which the casing is associated, a helical spring arranged in the said casing, a projection carried by the seat and adapted to move therewith so as to engage and effect shortening of the length of the spring as a whole and as the seat is lowered, a second projection carried by the seat, and means carried by the casing to be engaged by said second projection to limit movement of the seat when being lowered.

1,631,441. BISCUIT-MAKING AND THE LIKE MACHINE. EDWARD LYNTON VICARS, Earlestown, England. Filed Nov. 13, 1925, Serial No. 68,832, and in Great Britain Dec. 13, 1924. 2 Claims. (Cl. 107—26.)



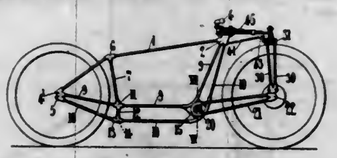
1. A biscuit-making machine comprising in combination, means for supporting a sheet of dough, cutters adapted to act on the dough, embossing tools disposed within said cutters and adapted also to act on the dough, means for moving the cutters initially only partially into the dough clear of the supporting means therefor to incompletely sever the dough, means for moving the embossing tools toward the dough while the cutters are moved into partial severance thereof and to thereafter effect an impression upon the portions of the dough held partially severed by the cutters while severance movement of the latter is temporarily interrupted, means for thereafter effecting a further movement of the cutters to completely sever the previously partially severed portions of the dough while gradually retracting the embossing tools therefrom, and means for retracting the cutters at a differential speed with the embossing tools to overtake and uncover the latter as said elements are moved away from the supporting means for the dough and cause the release or ejection of the embossed and severed portions of the dough from the cutters.

1,631,442. SMOKE-EXTRACTING DEVICE FOR TUNNELS. PETER WAGICH, Connaught, British Columbia, Canada. Filed Dec. 22, 1925, Serial No. 77,069, and in Canada Aug. 24, 1925. 2 Claims. (Cl. 98—49.)



1. In a smoke extracting device for tunnels the combination with a duct having a bottom opening extending longitudinally and a plurality of independently displaceable panels normally closing said opening and adapted to be successively displaced to open position, of a locomotive having the stack thereof equipped with a cowl adapted to project upwardly through the bottom opening of the duct and provided at the front with an inclined plane for initiating displacement of the panels to open position.

1,631,443. MOTOR CYCLE. GEORGE LESLIE WALLIS, Bromley, England. Filed Jan. 30, 1926, Serial No. 85,037, and in Great Britain Jan. 30, 1925. 17 Claims. (Cl. 208—97.)



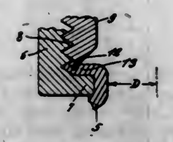
1. In a motor cycle, the combination of, a frame, a wheel, co-acting articulated members on which said wheel is mounted together with arms attached to said frame, certain of which are pivoted and certain others resilient, said pivoted arms being connected on one of said articulated members and said resilient arms to the other of said articulated members.

1,631,444. SHOULDERING ATTACHMENT. COLEMAN B. WARREN, Norfolk, Va. Filed May 29, 1926. Serial No. 112,648. 12 Claims. (Cl. 32—10.)



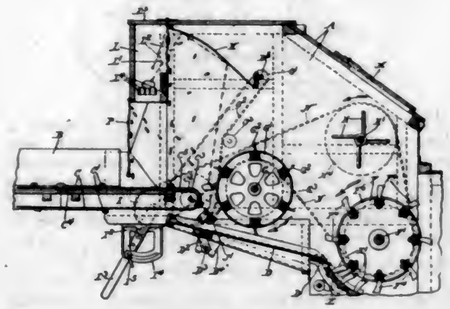
1. In a device of the character described, a housing, a cutter driving head, a cutter carried by the driving head, means for mounting said head within said housing for rotational and reciprocatory motion, a driving shaft and driving gearing between said shaft and said cutter driving head to rotate said cutter driving head and said cutter around a common axis, and means engaging said cutter head and said casing to cause said cutter to be reciprocated along its axis as it is being rotated around its axis, thereby giving the cutter a vibratory motion around its axis.

1,631,445. DRUM TRAP. RICHARD WENSLEY, Denver, Colo. Filed Oct. 11, 1926. Serial No. 140,835. 1 Claim. (Cl. 137—76.)



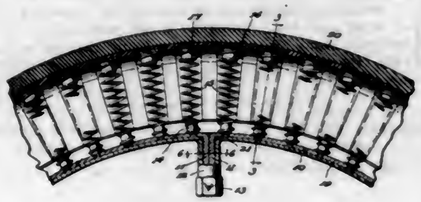
A structure of the class described, having a cylindrical member formed from soft metal, one end of which is closed and forms the bottom and the other end of which is open, an internally threaded ring surrounding the upper portion of the body of the structure and having an interiorly projecting flange over which the top of the structure is bent and a cap or closure having a depending flange externally threaded to engage the interior threads of the ring, the bottom of the flange of the cap being provided with a thin edge adapted to indent that portion of the body of the structure which is engaged by the flange of the ring, said thin edge having a diameter substantially equal to the root diameter of the threads on the depending flange, and formed in part by a continuation of said external thread.

1,631,446. HULLER. WAYNE H. WORTHINGTON, Battle Creek, Mich., assignor to Advance-Rumely Company, La Porte, Ind., a Corporation of Indiana. Filed Mar. 20, 1925. Serial No. 16,875. 15 Claims. (Cl. 130—30.)



1. A stone picker, adapted to remove foreign material from the stream of grain, which includes a rotating member mounted in the path of the grain and adapted, as it is rotated, to drive the foreign material from the stream of grain, in combination with a beater adapted to drive the grain raised by the stone picker downward, and a yielding closure mounted in and partially closing the opening through which the grain is introduced.

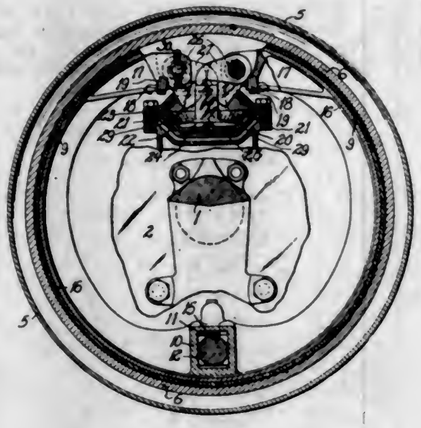
1,631,447. CUSHIONING UNIT FOR VEHICLE TIRES. HEDWIG ZUBROW and EMIL SOLOMON, Philadelphia, Pa. Filed Jan. 14, 1926. Serial No. 81,286. 2 Claims. (Cl. 152—8.)



1. The combination with a rim provided with an opening, of a split clamping band encircling the rim and provided at its ends with mating lugs extending through said opening, means engaging said lugs and adjustable thereon for contracting the band tightly about the rim, radial load carrying springs carried by the band, transversely disposed tread springs carried by said load springs, and a casing engaged with the rim to enclose said springs and normally held distended thereby.

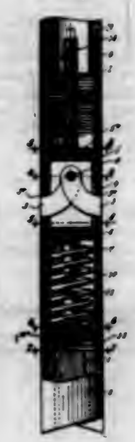
1,631,448. BRAKE FOR AUTOMOBILES. HERBERT W. ALDEN and GEORGE HUFFERD, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Michigan. Filed July 31, 1924. Serial No. 729,298. 8 Claims. (Cl. 188—152.)

6. A brake for automobiles comprising a brake band having free ends, bell crank levers pivotally mounted at said ends, and each having one end formed into a cam surface that works against the cam surface of the other lever, an operating block for operating against the other ends of said levers, said operating block being provided



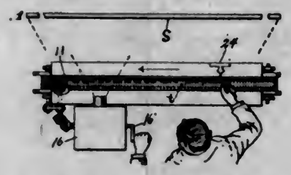
with a slot in which said cam arms are disposed, and fluid pressure operated means for actuating said operating block.

1,631,449. REAMER DRILL BIT. ALLEN D. ALFORD, Dallas, Tex. Filed Dec. 6, 1926. Serial No. 152,767. 2 Claims. (Cl. 255—75.)



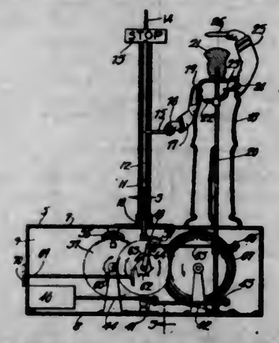
1. A reamer drill having a hollow cylindrical body, a drill bit on the end thereof, a slidable head within the drill body, reamer bits carried by said head, said head having an opening in its top and a series of openings in its lower end to admit water under pressure, the lower end of said head formed integrally with a downwardly projecting pin, a movable nut with an upwardly projecting pin below the upper pin, and a coil spring encircling and resting on the shoulders of said pins.

1,631,450. ART OF AND MEANS FOR METRICAL OPTIC AND ACOUSTIC RECORDING AND REPRODUCTION. CYRUS NEWTON ANDREWS, Yucaipa, Calif. Filed Feb. 3, 1920, Serial No. 356,037. Renewed Nov. 11, 1925. 13 Claims. (Cl. 88—16.2.)



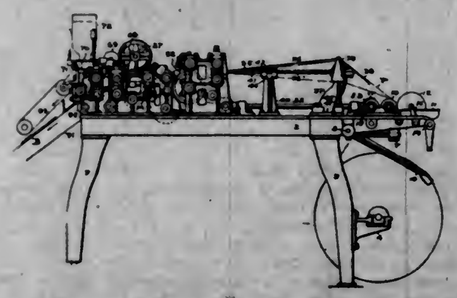
12. Apparatus for producing talking motion pictures comprising a mechanically driven reading record having markings indicating the time in which its parts shall be read, and mechanically driven motion picture projection mechanism and sound producing mechanism, marked, adapted, and arranged to operate in time with the reading record.

1,631,451. MECHANICALLY-OPERATED FIGURE TOY. ARTHUR W. ANKENY, Indiana, Pa. Filed Apr. 21, 1926. Serial No. 103,647. 5 Claims. (Cl. 46—40.)



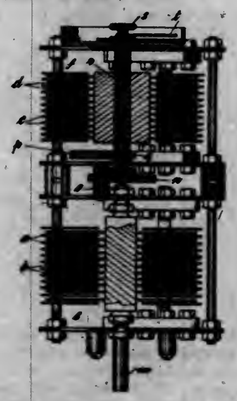
1. A toy comprising a semaphore, a figure representing a traffic officer, means for operating said semaphore, a connection between said figure and said semaphore, a movable arm on the figure, a movable head on said figure, and means operated by said semaphore operating means for moving the head and arm of said figure simultaneously.

1,631,452. MACHINE FOR MAKING PAPER BAGS. DANIEL APPEL, Cleveland, Ohio, assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio, a Corporation. Filed Sept. 18, 1924. Serial No. 738,537. 19 Claims. (Cl. 93—14.)



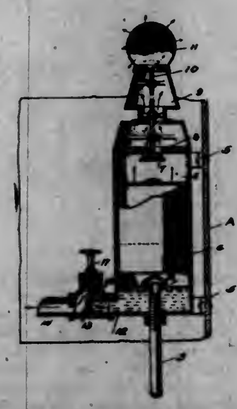
1. A machine for making paper bags, comprising means for slitting a strip of paper longitudinally at spaced intervals, means for producing a plicated tube from the slitted paper, said means being adapted to form the fold lines of the tube on lines coincident with the longitudinal slits in the paper, and means for producing completed bags from each slitted section of the tube.

1,631,453. VARIABLE CONDENSER. RALPH LEONARD ASPDEN, Chorley, England. Filed May 29, 1926, Serial No. 112,546, and in Great Britain May 7, 1925. 2 Claims. (Cl. 175—41.5.)



1. In the combination of two variable condensers arranged in coaxial alignment, a shaft on which said condensers are mounted, the stationary and movable plates of one condenser being each provided with a plurality of similar tongues and slots whereby the capacity is varied from minimum to maximum a plurality of times for a rotation of 180°, the other condenser being provided with fixed and movable plates providing a change from minimum to maximum for a rotation of 180°, and means on said shaft connecting both sets of movable plates for rotating one from the other.

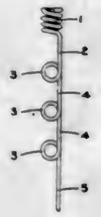
1,631,454. LIQUID-DISPENSING APPARATUS. JOHN J. BAMBACH and MARTIN W. COLLINS, Wilkes-Barre, Pa. Filed July 6, 1926. Serial No. 120,634. 4 Claims. (Cl. 221—100.)



1. In combination with a liquid dispensing apparatus including a liquid storage tank, a pipe line connected with said storage tank at one end and a dispensing hose at the other end, a flow meter in said pipe line adjacent said hose, a foot valve for said pipe line located within said tank, and a pump connected in said pipe line, of

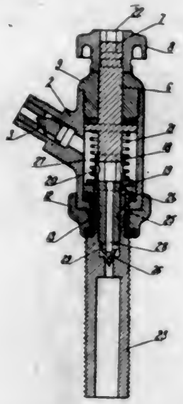
valve means connected in the high point of said pipe line, said valve means automatically opening to vent said pipe line when the pump is in operation and closing to prevent admission of air when the pump is idle, whereby said pipe line is maintained filled with liquid to the high point in the line.

1,631,455. TINE FOR HAYMAKING AND LIKE MACHINERY. JOSEPH BAMFORD and CYRIL JOSEPH BAMFORD, Uttoxeter, England. Filed Sept. 10, 1925, Serial No. 55,566, and in Great Britain Oct. 7, 1924. 5 Claims. (Cl. 56—400.)



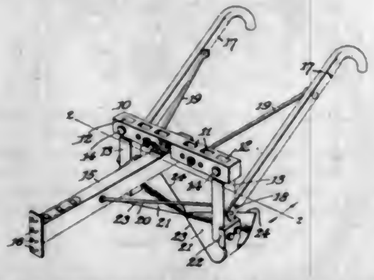
1. A tine for the rotary tine carrying members of haymaking and harvesting machines comprising a head formed as an open coil for receiving a securing bolt, and a shank for engaging in the crop, said shank having, intermediate its ends, a plurality of projecting portions for the purpose of taking hold of the crop more effectually.

1,631,456. VALVED PIPE COUPLING. VICTOR BARDIN, St.-Denis, France. Filed Feb. 3, 1925, Serial No. 6,647, and in France Feb. 6, 1924. 1 Claim. (Cl. 152—11.5.)



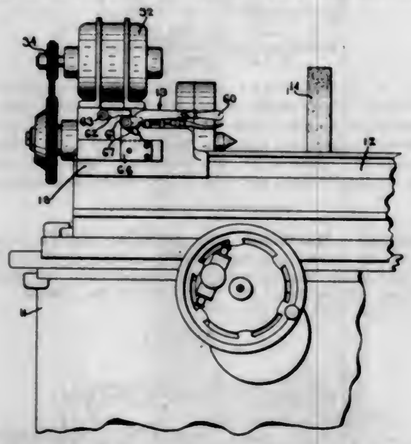
A valved pipe-coupling comprising a valve body, a threaded needle in said valve body, a seat provided on the valve body for said needle, a passage formed in said needle, lateral openings at the bottom of said passage, a central opening at the top of same, a polygonal head formed on the top of needle, an internal connection screwed on the valve body, an external connection surrounding said internal connection, a threaded sleeve inserted between the internal and external connections, a plug screwed in said sleeve, a chamber provided in same and communicating with the exterior, a polygonal slide fitting on the polygonal head of the needle and resting on the internal connection inside the chamber, holes in the walls of the slide, a shaft fitting inside the slide above the polygonal head and pressing through the plug, a spring disposed round said shaft and urging the slide downwards, and an external knob actuating the shaft.

1,631,457. PEANUT AND POTATO DIGGER. BELA K. BASHO, New York, N. Y. Filed July 26, 1924. Serial No. 728,290. 4 Claims. (Cl. 55—106.)



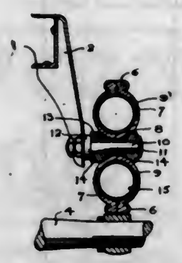
1. In a peanut and potato digger, a frame comprising a cross beam and a draft beam secured thereto, posts bolted to said cross beam, cutting blades carried on the posts, said blades having inwardly and backwardly directed cutting edges with the inner ends touching or overlapping to effect a complete cross cut, said blades also being turned upwardly at the rear edges, the same being inclined backwardly and outwardly from the free ends of the blades for the purpose specified, and means for guiding the digger.

1,631,458. MACHINE-TOOL WORK SUPPORTING AND DRIVING MECHANISM. ALBERT G. BELDEN, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1924. Serial No. 693,890. 7 Claims. (Cl. 192—18.)



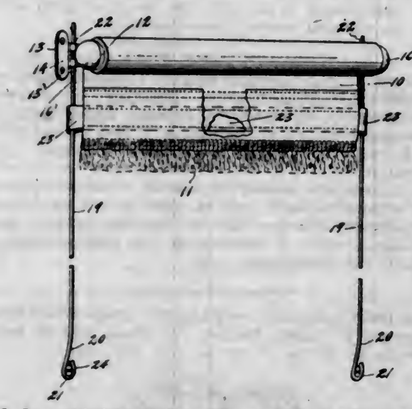
7. A headstock for a machine tool comprising a work-driving member, a shaft mounted on the headstock and connected to rotate said member, a positively driven pulley rotatably mounted on the shaft, a friction clutch having one member rotatable with the pulley and a second member slidably connected with the shaft, a friction plate fixed to said second clutch member, a yoke operably connected with the slidable clutch member to operate the clutch and having a portion arranged to engage the friction plate when the clutch members are disengaged, a spring tending to hold the clutch members in engagement and manually operable means to move the yoke against the tension of the spring.

1,631,459. SHOCK ABSORBER. ARTHUR BENNETT, Chilliwack Township, British Columbia, Canada. Filed Sept. 22, 1925. Serial No. 57,938. 2 Claims. (Cl. 267—35.)



1. A shock absorber comprising a tire detachably carried in a rim and having a tread upon its inner periphery, means for supporting the rim upon a wheel axle, and means for supporting a vehicle frame upon the tire tread, said supporting means characterized by a pin having a two member bushing adapted to engage the tread of the tire.

1,631,460. WINDOW-SHADE GUIDE. JAMES R. BINFORD, Dallas, Tex. Filed May 14, 1926. Serial No. 109,008. 3 Claims. (Cl. 156—26.)



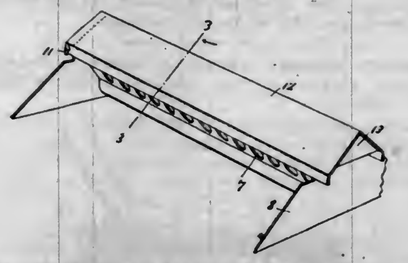
1. In a window shade guide, a shade bracket having an outwardly directed loop upon its shank, and a vertical guide rod having a plurality of projections at its upper portion engaging said loop and bent upon itself to form a securing eye at its lower end.

1,631,461. COMMUTATOR AND METHOD OF MAKING SAME. LE BONSIEUR, Elyria, Ohio, assignor to The General Phonograph Manufacturing Co., Elyria, Ohio, a Corporation of Ohio. Filed Dec. 1, 1924. Serial No. 753,411. 3 Claims. (Cl. 171—321.)



1. The method of making a commutator comprising a plurality of segments, consisting of cutting from sheet metal a piece having radially extending arms joined at their inner ends, then bending the arms so as to approximately define a cylindrical cup, then in placing a plastic congealable insulating compound within the substantially cup-shaped article thereby produced and permitting a portion of the compound to flow between the arms to form a band surrounding the arms but united thereto, and to the rest of the compound within the arms, permitting the compound to congeal, and subsequently removing the portion of the sheet metal joining the inner ends of the arms.

1,631,462. CHICKEN FEEDER. WILLIAM D. BOTTERBUSCH, Bluffs, Ill. Filed June 19, 1926. Serial No. 117,085. 1 Claim. (Cl. 119—61.)



In a feeder of the character described, a feed trough open at its top, a pair of apertured ears extending from one end of the feed trough in spaced parallel relation, a lid of substantial V-shaped cross section having parallel spaced flange edges, said apertured ears being received between the flange edges, and a pin piercing apertures in the flange edges and the apertures of the ears to hingedly mount the lid on the trough so that it may be disposed over the trough or in extension thereof in an open position at which time it may be utilized as a water trough, the lid being maintained in said horizontal open position by the abutment of one end of the said lid against the adjacent end of said trough.

1,631,463. PROCESS OF SMOKING MEAT. MAX BRITT, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a Corporation of Illinois. Filed May 5, 1926. Serial No. 106,854. 1 Claim. (Cl. 99—9.)



The process of curing meat which consists in wrapping an individual sling around each piece of the same to cover the edges thereof and leaving the major portions of its surface exposed, suspending the sling from a hanger so that the weight of the meat causes pressure of the sling against the butt and side edges of the meat and then subjecting the same to the action of heat and smoke.

1,631,464. SEALING MEANS. WINFRED M. BROOKS, West Orange, N. J. Filed Nov. 11, 1925. Serial No. 68,260. 2 Claims. (Cl. 292—308.)

1. Sealing means including: a sealing member provided with a duct and having two sets of oppositely tapering cut-away portions at an angle to the lengthwise axis of

the duct, said cut-away portions forming two substantially parallel spaced-apart bending lines, and an element to be sealed insertable lengthwise in said duct before bending the member, extending across the plane of said



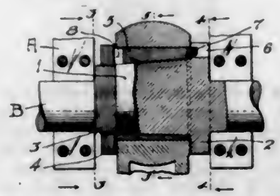
bending lines and sealed by bending the member, and therewith the element to be sealed, on both bending lines to thereby cause the taper faces of each set of cut-away portions to close up against each other and the member to assume the shape of an open rectangle.

1,631,465. BROOM. WINFRED A. BROWN, Minneapolis, Minn. Filed Oct. 8, 1925. Serial No. 61,286. 1 Claim. (Cl. 306—3.)



In a broom, a brush having a horizontally elongated back, an elongated plate resting on the upper side and extending lengthwise of said back, said plate having an inclined handle near one end and an opening in said one end, said plate being of a length slightly more than one-half that of the brush back and having a longitudinal slot from its inner end to the handle, a fastener passing through said slot and engaged with the medial portion of the back to pivotally and longitudinally slidably mount the plate for adjustment lengthwise of the back of the brush, said back having openings spaced longitudinally from opposite sides of the fastener, and a second fastener passing through the first named opening for selective reception in the spaced openings to permit securing of the handle at either end or the center of the back whereby one end of the brush will project a considerable distance beyond the point of connection of the handle with the plates.

1,631,466. ADJUSTABLE ECCENTRIC. PASQUALE BUFFARDI, Irvington, N. J., assignor to Edmund W. Zeh, Newark, N. J. Filed Sept. 24, 1924. Serial No. 739,504. 5 Claims. (Cl. 74—1.)



1. A shaft having spaced journals and an eccentric portion between said journals, a pitman on said eccentric portion, an eccentric bushing between said eccentric portion and pitman and capable of movement both longitudinally and rotatably with respect to said parts, cooperating means at one end of said eccentric portion and on said bushing adapted to engage and disengage upon longitudinal movement of said bushing in opposite directions to hold and release said bushing respectively against and for rotation on said eccentric portion, and means at the other end of the eccentric portion for releasably holding the bushing against longitudinal disengagement of the said cooperating means at the first-mentioned end of the eccentric portion and bushing.

1,631,467. SMOKER'S ARTICLE. EDWIN CALDWELL, New York, N. Y. Filed Jan. 14, 1924. Serial No. 686,039. 6 Claims. (Cl. 131—12.)

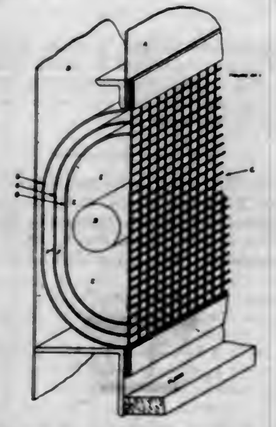


6. A pipe support comprising a metal stamping upon which the bottom of a pipe bowl may rest and being flanged upon three sides to support the bowl in a substantially upright position, said stamping having opposite edges at one end turned over to form guiding means, and also having in its bottom a struck up strap, a blade insertable into the guide means and having its inner end narrowed to fit under said strap when the blade is in the guide means, the narrowed end of the blade serving when the blade is removed from the stamping, as a pick for removing coke balls from the bottom of the bowl cavity of a pipe, the other end of the blade supporting the pipe stem when attached to the stamping and being shaped to fit and ream the bowl cavity of a pipe for removing encrustations therefrom.

1,631,468. CELLULOSE-ACETATE COMPOSITION OF LOW INFLAMMABILITY. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 27, 1925. Serial No. 26,309. 9 Claims. (Cl. 134—79.)

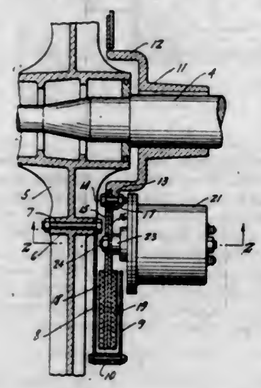
1. An effective neutral composition of matter comprising cellulose acetate, and at least one of the bromnucleo-substitution products of the phenols and their homologues which is substantially free form uncombined bromine and hydrobromic acid.

1,631,469. HEATING APPARATUS FOR VEHICLES. EUGENE P. CHASE, Altoona, Pa. Filed Sept. 5, 1925. Serial No. 54,744. 7 Claims. (Cl. 257—133.)



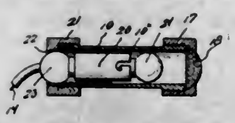
2. In a heating apparatus for vehicles, the combination of a vehicle wall; a heating member adjacent to the wall; means forming a plurality of air circulating and heat insulating passages between the member and the wall, said passages being open to the vehicle above and below the member; and means forming a dead air space between the outer passage and the wall.

1,631,470. VEHICLE BRAKE. HAMILTON C. CHASE, Los Angeles, Calif., assignor of one-half to Tobias Weber, Los Angeles, Calif. Filed Mar. 22, 1926, Serial No. 96,501. Renewed Apr. 9, 1927. 5 Claims. (Cl. 188—163.)



1. A brake comprising a rotatable element, a disk member having spaced plates, a working disk member comprising a pair of plates arranged side by side and mounted for being spread laterally so as to expand said working member and frictionally engage the plates of the other member, one of said members being secured to said element so as to be rotated therewith and the other being held against rotation, a plunger secured to one of the plates of said working member, and means for moving said plunger secured to the other plate of said working member providing a motor whereby said working member may be spread.

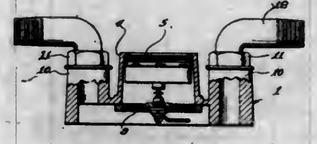
1,631,471. AUTOMOBILE SIGNAL. JOHN T. CHRISTIAN, Bremerton, Wash. Filed Mar. 20, 1925. Serial No. 16,997. 1 Claim. (Cl. 177—329.)



A device of the class described including a cylinder having one end thereof enlarged and externally threaded, an insulating sleeve disposed in said cylinder and having an enlarged end disposed in said enlargement of the cylinder to prevent longitudinal movement in one direction, said insulating sleeve adapted to receive a socket, and a cap threadedly engaged on the enlargement of the cylinder and adapted to engage a socket in the insulating sleeve and to engage the outer edge of the enlarged portion of the insulating sleeve to hold it in place in the cylinder.

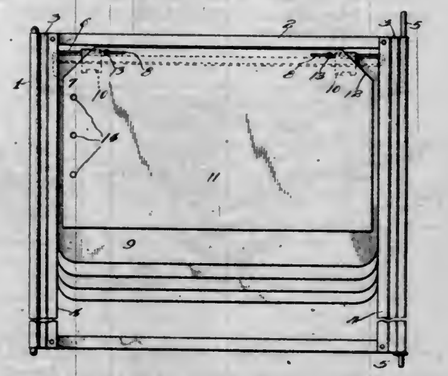
1,631,472. METER TOP AND INDEX BOX. EARLE A. CLARK, Tulsa, Okla. Filed Jan. 5, 1924. Serial No. 684,540. 1 Claim. (Cl. 73—1.)

A meter top comprising a body portion provided at its outer extremities with an apertured flange adapted to receive bolts, unobstructed vertically extending tubular members serving as inlet and outlet, integral with said body portion and located centrally of the longitudinal extremities thereof, connecting elbows removably mounted at the upper extremities of said tubular members, an upwardly extending hollow index box provided with a transparent upper face between said tubular members, spaced apart therefrom and also integral with said body



portion, said index box being provided on its under side with a plurality of threaded apertures, and a plate provided with corresponding apertures and adapted to receive screws for securing the same rigidly against the under side of said index box to enclose the mechanism within the same.

1,631,473. VISIBLE INDEX. WILLIAM CURTIS CLARK, San Francisco, Calif., assignor, by mesne assignments, to Acme Card System Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1924. Serial No. 701,045. 2 Claims. (Cl. 129—16.)

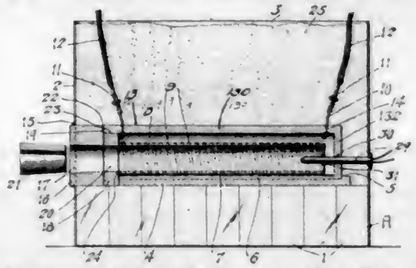


1. In a visible index, the combination with a frame, of flexible metallic hangers having return-bent portions adapted to be detachably mounted thereon, master index cards detachably mounted by metallic hinges on the return-bent portions of the hanger, auxiliary sheets having holes adjacent one longitudinal edge also engaging the ends of the return-bent portions, said sheet being removable from said hangers without removing the master cards from the hangers nor the hangers from the frame.

1,631,474. MUFFLE FURNACE. EDWARD A. COLBY, Maplewood, FREDERICK MAEULEN, East Orange, and GEORGE L. VAN ALLEN, Newark, N. J., assignors to Baker & Company, Inc., a Corporation of New Jersey. Filed July 12, 1926. Serial No. 121,792. 3 Claims. (Cl. 219—36.)

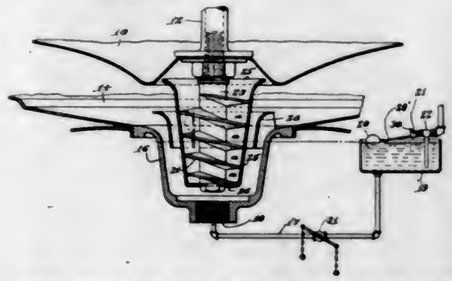
1. In a muffle furnace, the combination of a casing to receive a muffle and having an opening at its top to receive granular heat insulating material and an opening in one side, a muffle housing including a base having an end wall formed with a charging opening accessible through said side opening of the casing, a closure for said charging opening, and a muffle cover having an open bottom with its edges removably resting upon said base and one end open the edges of which separably abut said end wall of said base, a muffle removably mounted upon said base and having one open end the edges of which abut said end wall of said base around said charging opening, the top, sides and other end of said muffle being in spaced relation to said cover to form a

closed air heat insulating space between the muffle and said cover, an electric heating coil surrounding said muffle, and granular heat insulating material in said cas-



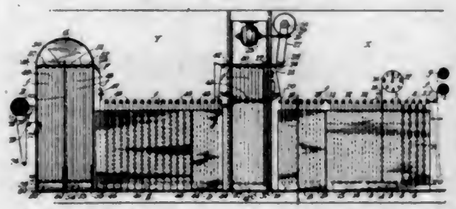
ing surrounding said muffle housing, said muffle housing protecting said muffle against the weight of said granular insulating material.

1,631,475. CONTROL MEANS FOR REGULATING THE OUTPUT OF ATOMIZERS AND THE LIKE. FRANK B. COMINS, Newton, Mass., assignor to American Moistening Company, Boston, Mass., a Corporation of Maine. Filed Mar. 6, 1924. Serial No. 697,365. 1 Claim. (Cl. 103—89.)



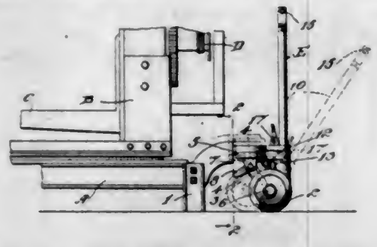
Means for lifting liquid from a supply to the rotor of a humidifier or the like, comprising a rotatable shaft having a helical worm thread and a housing therefor, having an opening below the level of the supply, for admission of liquid to the space between the convolutions; said opening being of such small area and so arranged that under the working head it does not admit as much water as the worm can lift, so that a variation of head of the water to which it is exposed makes material variation in the amount of water that flows through the worm, thus regulating the output of the humidifier.

1,631,476. PHOTOGRAPHIC FILM-DEVELOPING MACHINE. CHARLES DE MOOS, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 9, 1922. Serial No. 567,146. 21 Claims. (Cl. 95—94.)



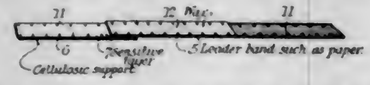
1. In a film-treating machine, the combination with means for moving a film band through a series of treatment baths, of means for automatically stopping the movement of a portion of the film band in advance of stopping the movement of the entire film.

1,631,477. COLLAPSIBLE HANDLE FOR PORTABLE ELEVATORS. FRANK L. EIDMANN, North Bergen, N. J., assignor to Henry S. Germond, jr., Bayonne, N. J. Filed Jan. 2, 1924. Serial No. 683,917. 14 Claims. (Cl. 280—46.)



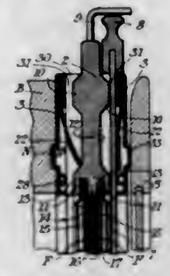
1. The combination with a wheeled truck having certain of the wheels swiveled on a vertical axis for steering the truck, of a telescoping multi-part pull handle having one part thereof pivotally connected to said wheels to swing in a vertical plane, the parts of said handle constructed to releasably interlock and being capable of telescoping movement when released from interlocking relation, whereby the handle may be swung about its pivot to the floor, collapsed, and swung beneath the truck by rotation of said wheels on said swivel.

1,631,478. MOTION-PICTURE-FILM STRIP. PAUL FAVOUR, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 23, 1926. Serial No. 130,805. 8 Claims. (Cl. 95—9.)



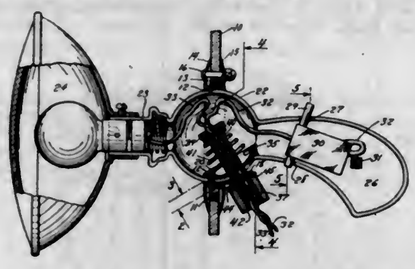
1. A motion picture film strip including a band of sensitized material and a protective band, forming a continuation thereof and having a deposit of a soft, solid lubricant upon a small portion only of one surface of the protective band.

1,631,479. CUT-FILM HOLDER. WILLIAM F. FOLMER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed July 28, 1923. Serial No. 654,489. 8 Claims. (Cl. 95—67.)



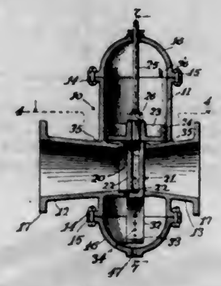
1. In a holder for photographic film, the combination with a frame including a top bar, of a plate spaced from the top bar throughout a portion of its length leaving a slot therebetween, a dark slide adapted to pass into the slot, a spring light-excluding member adapted to normally lie across the slot when the dark slide is removed from the camera, said spring light-excluding member being carried by the plate.

1,631,480. DIRIGIBLE LIGHT MOUNTING. ROBERT R. FREUND, Denver, Colo. Filed June 6, 1925. Serial No. 35,454. 7 Claims. (Cl. 240—61.)



1. In dirigible light mountings, the combination of a ball seating rim of approximately spherical curvature, a ball mounted therein and thereby as a sole bearing support for said ball, lamp supporting means associated with said ball, the rear of said rim having a bifurcated ear, forming a slot open at its outer end, and said ball having an interior chamber with a peripherally opening elongated slot, for registration with the slot of said ear, a radial rod longitudinally movable through said slots, a retaining member within said ball and associated with said rod to be held thereby in engagement with the inner peripheral face of said ball, and external means coacting with said ear and the outer end of said rod for radially adjusting said rod.

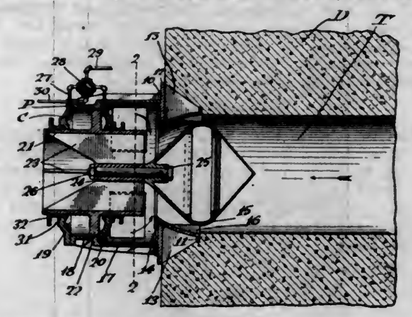
1,631,481. WATER-SHUT-OFF VALVE. FREDERICK GUELLER, Alhambra, Calif. Filed Mar. 10, 1925. Serial No. 14,465. 6 Claims. (Cl. 137—139.)



1. A valve comprising a cylindrical body, closures for the top and bottom of said body, a pair of aligned conduits extending into said body having their adjacent ends disposed in spaced relation therein, webs connecting the sides of the conduits to the sides of the body and cooperating with the conduits in defining an upper piston cylinder and a lower chamber in said body, a closure adapted to be disposed between the adjacent ends of said conduits for preventing the passage of fluid therethrough, a piston reciprocable in said piston cylinder and secured directly to the closure, and means for admitting fluid pressure to the piston cylinder upon either side of the piston so as to move the piston and closure.

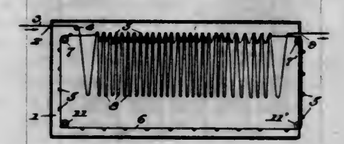
1,631,482. WATER-DISCHARGE VALVE. FREDERICK GUELLER, Alhambra, Calif., assignor to Joshua Hendy Iron Works, Sunnyvale, Calif., a Corporation of California. Filed Dec. 23, 1925. Serial No. 77,391. 12 Claims. (Cl. 137—139.)

1. A valve comprising an outer stationary annular seat, an inner movable closure adapted to seat thereon, a tubular member behind the closure through which fluid passes after passing the closure when the closure is open, said tubular member being secured to said closure, and means for seating and unseating the closure, there being



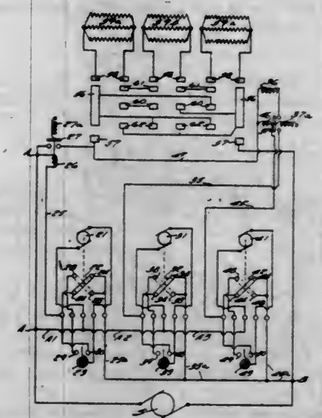
a passage whereby air may enter the tubular member and mix with the liquid therein as it passes therethrough so as to destroy partial vacuums which may tend to form in the tubular member.

1,631,483. DRYING APPARATUS. FRANCIS HEAD, New York, N. Y. Filed Jan. 7, 1926. Serial No. 79,758. 9 Claims. (Cl. 34—12.)



1. In a drying apparatus, in combination, a drying chamber; an endless, flexible stick carrier; drying sticks fixed thereto; means for giving a continuous travelling motion to the carrier; and means for nesting the sticks in an intermediate portion of the stick carrier, and for moving them continuously at a slow speed while so nested.

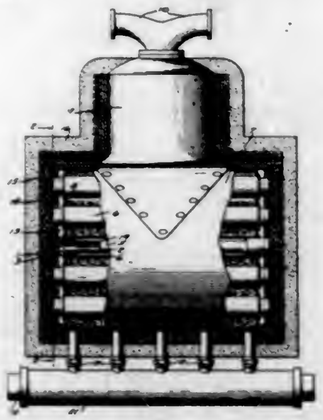
1,631,484. ELECTRIC HEATER. WALTER E. HUDSON, Amagansett, N. Y., assignor to Hudson Heating Systems, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 30, 1925. Serial No. 19,202. 17 Claims. (Cl. 219—20.)



1. In an electrical system for heating buildings and the like the combination of a suitable heat conveying medium, an electrical heating unit in operative relation with said medium and adapted to transfer heat thereto,

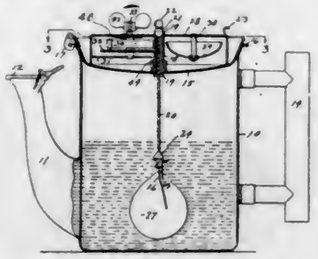
which said unit comprises a plurality of separate current resistors, a current supply circuit of substantially constant voltage, means responsive to variations in temperature of said medium for connecting said resistors in parallel or in series with said supply circuit and independent means for controlling current in said supply circuit responsive to variations in temperature of the atmosphere of the space being heated.

1,631,485. ELECTRIC-HEATING SYSTEM. WALTER E. HUDSON, Amagansett, N. Y., assignor to Hudson Heating Systems, Inc., New York, N. Y., a Corporation of New York. Original application filed Mar. 5, 1924, Serial No. 697,030. Divided and this application filed Mar. 30, 1925. Serial No. 19,203. 7 Claims. (Cl. 219—38.)



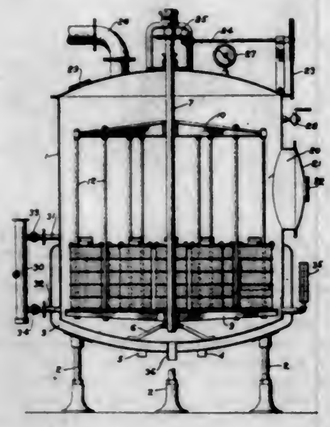
1. The combination, with a tubular boiler, of a plurality of electric heating elements adapted to be inserted in the tubes of such boiler, each of said heating elements being composed of a spool having heads adapted to fit closely into a boiler tube, an intermediate portion of less diameter on which a coil of resistance wire is wound, and an electrically insulating coating mass of refractory material in which said coil is embedded, the exterior diameter of said spool coating being less than the diameter of the spool heads, whereby closed annular spaces are found between said spool and its containing tube in which spaces the air heated by contact with the spool may circulate.

1,631,486. COFFEEPOT. LEON W. HYDE, Hillsboro, Oreg. Filed Oct. 28, 1925. Serial No. 65,324. 4 Claims. (Cl. 53—3.)



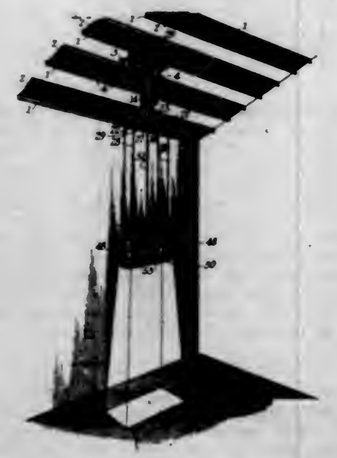
1. A coffee pot having, in combination, a container; a closure for hermetically sealing said container; a sound-producing means; and means for actuating said sound producer when the temperature of liquid in said container reaches a predetermined height.

1,631,487. PROCESS FOR MAKING GLACÉ FRUIT. ERNEST ENGLER JACOBS, San Francisco, Calif., assignor to Lyons' California Glacé Fruit Company, San Francisco, Calif., a Corporation of California. Filed July 15, 1925. Serial No. 43,666. 3 Claims. (Cl. 99—16.)



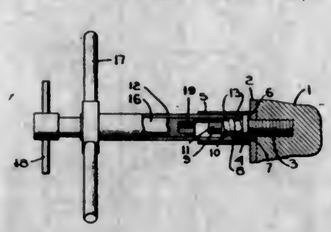
1. A process of preparing glacé fruit which comprises the steps of preparing the fruit, blanching the fruit in water to render it tender, permitting the fruit to remain submerged in cold syrup for a short period of time to remove the water therefrom and treat the fruit so that the cells will not become disrupted, then cooking the fruit in the syrup solution while under vacuum and in a manner saturating the fruit with the syrup, and thereafter permitting the fruit to stand in the solution until equilibrium take place between the syrup in the fruit and the syrup surrounding the fruit.

1,631,488. ILLUMINATING APPARATUS. LOYD A. JONES, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 19, 1924. Serial No. 757,072. 14 Claims. (Cl. 240—67.)



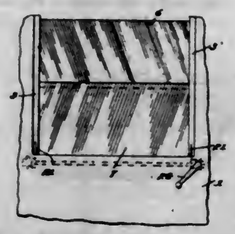
1. Illuminating apparatus comprising an elevated support, a lamp carriage, a plurality of lines extending from separated points on said lamp carriage to said support whereby said lamp carriage is suspended, independent means for adjusting said lines selectively to vary the inclination of the lamp carriage, and means for connecting said adjusting means whereby the lamp carriage as a whole may be adjusted vertically said last named means being operative to disconnect the adjusting means.

1,631,489. TOOL FOR INSERTING OR REMOVING SCREWS. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Nov. 18, 1924. Serial No. 750,526. 3 Claims. (Cl. 81—53.)



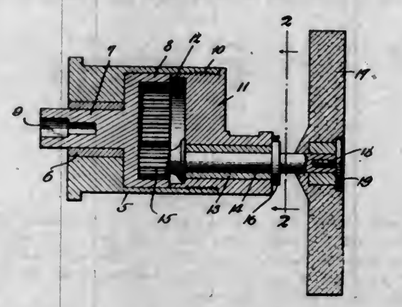
1. A tool for removing or inserting a screw having a screw-threaded shank and a head, said head having thereon a coarse and a fine screw thread, the coarse screw thread being on a portion of larger diameter than the fine screw thread, said tool comprising a tubular member having on one end interior screw threads to engage the coarse screw threads of the screw head and provided at the other end with a handle, and a locking member telescoping within the tubular member and provided at one end with interior screw threads adapted to engage the finer screw threads of the screw head, said end of the locking member being larger than the screw-threaded portion of the bore of the tubular member, whereby when both the tubular member and the locking member have been screwed tightly to the head the tubular member is locked to the head and the screw can be manipulated by manipulating the tubular member.

1,631,490. WINDOW OPERATOR. FRANK G. KITCHIN, Anne Arundel County, Md. Filed Jan. 10, 1927. Serial No. 160,044. 15 Claims. (Cl. 268—132.)



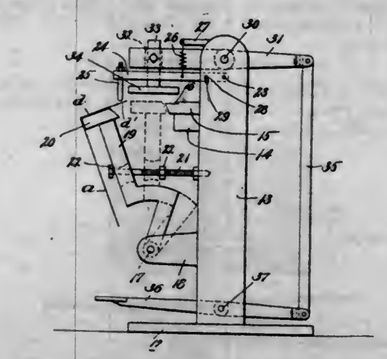
1. In a window construction, upper and lower transparent panels, adapted to lie side by side when the window is open, operating means for raising said panels, said panels being provided with interengageable means at the sides, coacting when the lower edge of the upper panel is about to assume an inactive position with respect to said operating means, to draw said lower panel up to a point at which said lower panel becomes active with respect to said operating means, said operating means engaging the lateral edges of said upper panel but inactive toward said lower panel in the initial side by side position of said panels, and engaging the lateral edges of the lower panel when the two panels are inter-engaged.

1,631,491. KNIFE-GRINDING ATTACHMENT FOR MEAT-GRINDING MACHINES. GEORGE S. KLEIN, Granger, Wash. Filed Mar. 27, 1926. Serial No. 98,040. 1 Claim. (Cl. 51—241.)



In a device of the character described, a casing having internal threads, a ring gear positioned within the casing and embodying a shaft, said shaft extending through the casing and having a socket to be positioned over the shaft of a meat grinding machine, a bearing member having external threads to be fitted within the casing to engage the internal threads and connect the bearing member and casing, a circular flange forming a part of the bearing member and contacting with one edge of the ring gear to hold the same against movement longitudinally of the casing, a shaft extending into the bearing member and having a pinion meshing with the ring gear, and a grinding stone mounted on the shaft.

1,631,492. APPLIANCE FOR MAKING SET-UP BOXES. ELIE W. LABOMBARDE, Nashua, N. H. Filed June 15, 1926. Serial No. 116,223. 7 Claims. (Cl. 93—39.)



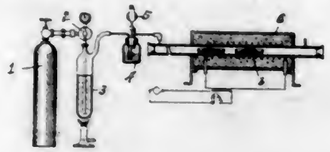
1. Mechanism of the character described, comprising a divided support for a box end, one of the members of said support being movable relatively to the other, and a presser movable toward and from the surface of said support.

1,631,493. REFRACTORY METAL PRODUCT AND PROCESS OF MAKING SAME. CLEMENS A. LAISE, Toledo, Ohio, assignor to The Electron Relay Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 18, 1924. Serial No. 707,325. 5 Claims. (Cl. 176—132.)

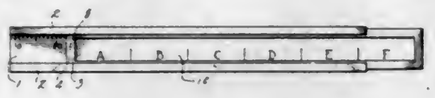
1. A composition of matter composed of tungsten, a refractory nitride, and alkali bronzes of tungsten.

5. The herein described method consisting in mechanically working metallic bars of tungsten or tungsten alloys containing refractory nitrides at yellow and red heats

with intermediate annealings, thereby reducing size of said bars by hammering and drawing processes to about 40 mil. diameter; then heating the resultant wire in an atmosphere containing oxygen so as to form a compact coating of refractory oxide on same and further annealing said coated wire so as to produce a ductilizing effect on the metallic core; then dissolving the oxide coating in an alkaline solution and drawing the wire down to finer sizes using hot circulating lubricants on the wire during the drawing operation.

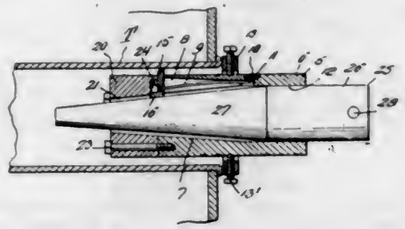


1,631,494. SCALE PLATE FOR TYPEWRITING MACHINES. WILLIAM EDWARD LANE, St. Louis, Mo., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 10, 1925. Serial No. 36,272. Renewed Apr. 30, 1927. 2 Claims. (Cl. 197—194.)



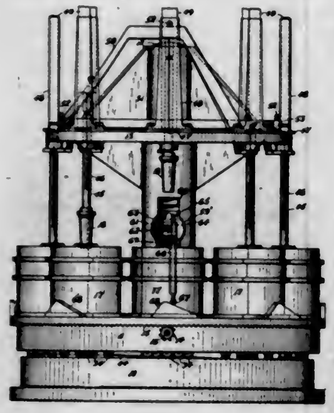
1. In a scale plate for typewriting machines, a flat metal plate adaptable for mounting and demounting in and from retaining means formed in a main typewriter scale, a shallow, rectilinear, four-walled recess formed in one face of said plate, the said recess being adapted to receive a characterized paper inlay adhesively secured to its floor.

1,631,495. BOILER-TUBE-CUTTING DEVICE. FRANK W. LARC, Panuco, Mexico. Filed July 13, 1925. Serial No. 43,390. 2 Claims. (Cl. 81—195.)



1. A cutting tool of the class described, including a mandrel having a longitudinally extending bore and on one end provided with radially extending recesses, said bore of the mandrel being provided with longitudinally extending pockets, springs supported in the pockets, knives located in the recesses, a collar having radially extending recesses registering with the first mentioned radially extending recesses, said collar being provided with a bore registering with the bore of the mandrel, said knives being provided with shoulders extending into the second mentioned recesses, said springs having their extremities engaging the knives, and means slidable through the bore for projecting the knives.

1,631,496. METHOD AND APPARATUS FOR FORMING HOLLOW WARE. HARRY LUNDGREN, Oakland, Calif., assignor to Fulcher Pulp Bottle Company, Oakland, Calif., a Corporation of California. Filed Mar. 16, 1921, Serial No. 452,814. Renewed Nov. 1, 1926. 20 Claims. (Cl. 92—64.)



16. A machine for producing containers from paper pulp comprising vertically movable cores adapted to be projected into said molds, means for simultaneously and intermittently creating pressure between the sections of the mold and the core as the said mold and core travel, means for partially rotating the core and the container being formed theron between intervals of pressure exerted by the mold sections, means for stretching the wall of the container circumferentially at the conclusion of the pressure forming operations of the mold, and means for automatically withdrawing the core from the mold.

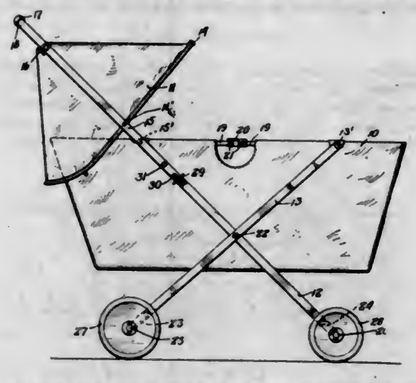
1,631,497. DENTAL X-RAY-FILM PACKAGE. HARRY I. MARLER, New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 20, 1923. Serial No. 663,929. 2 Claims. (Cl. 250—34.)



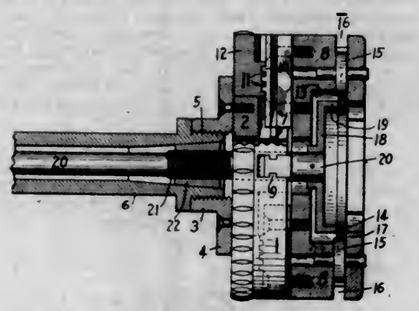
1. A dental X-ray package comprising a sheet of sensitive material, protective sheets on opposite sides thereof and an edge beading comprising a soft rubber band, said band being under tension and embracing and contacting the edges of the said sheets.

1,631,498. COLLAPSIBLE BABY CARRIAGE. ABRAHAM MELNIKER and SAUL CALMANSON, Brooklyn, N. Y. Filed Dec. 9, 1925. Serial No. 74,244. 4 Claims. (Cl. 280—41.)

1. A collapsible carriage comprising a flexible hammock portion connected to rail members, said rail members having their adjacent ends pivotally connected to intermediate members having a substantially U-shaped cross section, leg members pivotally connected to said rail members and to each other, and axles provided with wheels connected to said leg members, the rear legs having awning supporting means pivotally connected thereto, and releasable clamping means adapted to rigidly connect said awning supporting means to said rear legs.

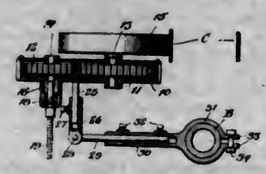


1,631,499. CHUCK. JOHN F. MORGAL, Springfield, Ohio. Filed July 13, 1922. Serial No. 574,793. 5 Claims. (Cl. 279—114.)



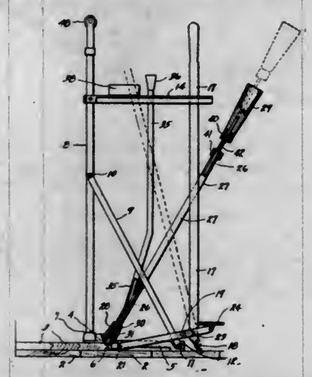
1. In a device of the character described, a supporting structure, compression members carried by said structure and having relatively small contact surfaces to engage the periphery of a split ring and compress the same, said members having parts to engage one of the lateral faces of said ring, an annular member arranged to engage the other face of said ring and clamp the same against said parts of said members, and means to actuate said annular member.

1,631,500. POWER-TRANSMISSION DEVICE. AARON S. NEWMARK, Brooklyn, N. Y. Filed Dec. 16, 1925. Serial No. 75,836. 5 Claims. (Cl. 74—21.)



1. A power transmission attachment of the class described, including a fan belt engaging pulley, a flexible shaft driven thereby, and means for supporting the pulley in operative relation to the fan belt, said means consisting of a member to which the pulley is journaled, an adjustable clamping bracket comprising hingedly connected arms each having telescopically associated sections, one of which sections is attached to said member and the other of which is designed to be clamped to a stationary element adjacent the fan belt.

1,631,501. FLOOR-LAYING MACHINE. HENRY HARRIS PAYZANT, Everett, Wash. Filed Oct. 5, 1925. Serial No. 60,445. 6 Claims. (Cl. 1—46.)



1. A device of the character described comprising a base plate provided with an abutment and having a nailing opening therethrough at the face of the abutment, a hand actuated jack lever provided at its lower end with means for holding contact with a floor or support, links pivotally connecting the jack lever at a point near its lower end with the base, a plunger tube mounted on the base coaxial with said nailing opening, a nail delivery tube opening into the first tube for the delivery of nails into the nailing opening, and a plunger reciprocally operable in the plunger tube for driving the nails.

1,631,502. SCREED SUPPORT. GEORGE F. PAWLING, Philadelphia, Pa. Filed Aug. 9, 1924. Serial No. 731,055. 4 Claims. (Cl. 72—101)

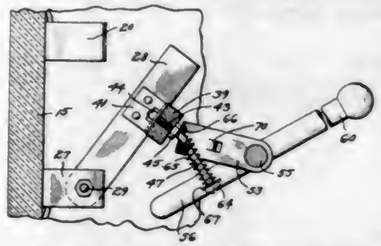


1. In a construction of the character stated suitably supported metal lath, a screed-support supported wholly by said lath which screed-support includes side members and a cross-piece to accommodate a screed, said side members each terminating in a tongue for interlocking connection with said metal lath, a screed supported upon said cross-piece and means for attaching said screed to said side pieces.

1,631,503. QUICK-BREAK SWITCH. JOSEPH H. PENGILLY, Los Angeles, Calif., assignor to Brown & Pengilly, Inc., Los Angeles, Calif., a Corporation of California. Filed June 29, 1925. Serial No. 40,230. 2 Claims. (Cl. 200—73.)

1. In a switch, the combination of: a base; jaws secured to said base; pivoted blades so placed as to close the circuits between said jaws; a cross bar secured to said blades; an operating member; a plunger rigidly secured to said cross bar and projecting outwardly there-

from; a stirrup hinged upon said operating means and having an opening through which said plunger projects; a compression coil spring surrounding said plunger and



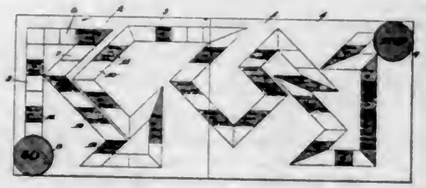
bearing at one end on said stirrup and at the other end on the outer end of said plunger; and means formed on said stirrup for limiting the compression of said spring.

1,631,504. GOLF CLUB. CHARLES H. REDMAN, East Orange, N. J. Filed July 3, 1924. Serial No. 723,905. 3 Claims. (Cl. 273—77.)



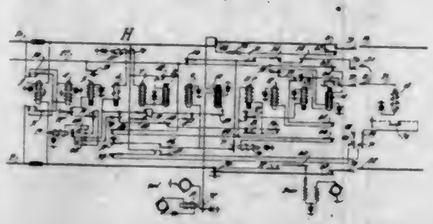
1. A golf club embodying a head having substantially parallel upper and lower surfaces and a staff portion connected to said head at the end more remote from the handle portion at such an angle as to cause the staff to extend longitudinally over and completely across the said head when the same is in playing position, whereby the staff will intersect the line of vision of the player.

1,631,505. EDUCATIONAL GAME. IVALOU B. SAMIS, Los Angeles, Calif. Filed Oct. 20, 1926. Serial No. 142,861. 5 Claims. (Cl. 273—134.)



1. The combination with an educational game of the character described, a pair of dice, one of said dice having on its opposed surfaces numbers, the sum of which equals 7, the other of said dice having two of its surfaces colored, one of these surfaces being colored green and the other of said surfaces being colored red, said green surface having printed thereon in lieu of the number the word "Go," said red surface having printed thereon in lieu of the number the word "Stop," whereby a player may be instructed in the way of safety.

1,631,506. AUTOMATIC SWITCH. CLINTON R. SIPE, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 11, 1922, Serial No. 587,502. Renewed Oct. 30, 1926. 26 Claims. (Cl. 179—18.)



1. In a telephone system, a rotary connector, lines divided into groups and subgroups accessible to said connector, means for directively controlling the operation of said connector in a primary movement to select a group, means for continuing the primary movement to automatically select a sub-group in said group, directively controlled means for operating said connector in a secondary movement, means for preventing the operation of said last mentioned directively controlled means, means for automatically starting the secondary movement, and means for automatically continuing the secondary movement to select an idle line in said sub-group.

1,631,507. OUTLET RECEPTACLE. HAROLD E. SLADE, Newark, N. J., assignor to Beaver Machine & Tool Co., Inc., Newark, N. J. Filed Feb. 16, 1924. Serial No. 693,195. 1 Claim. (Cl. 173—330.)

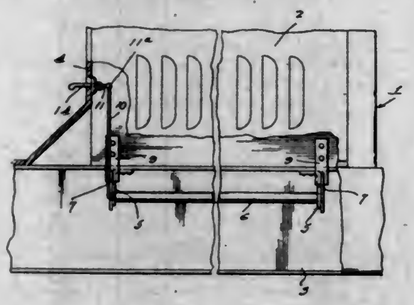


A contact member for an outlet receptacle comprising a base member, a binding screw member formed at right angles to said base member, a contact member formed at right angles to said base member, a second contact member formed at right angles to said base member and at an obtuse angle to the first contact member; said first contact member being provided with a projecting member formed so as to be parallel to and coact with said second contact member; said second contact member being provided with a projecting member formed so as to be parallel to and coact with said first contact member; said coaction to produce a positive gripping action on both sides of an attachment plug cap blade when inserted between said contact members.

1,631,508. AUTOMOBILE HOOD LATCH. RICHARD WAGNER, Flint, Mich. Filed July 1, 1926. Serial No. 119,878. 2 Claims. (Cl. 292—214.)

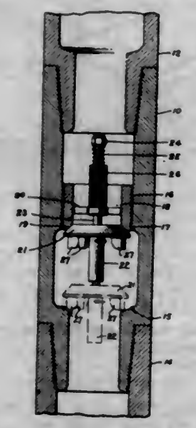
1. A hood latch of the class described comprising a mounting bracket adapted to be mounted on the interior of one of the channel bars of an automobile chassis frame,

said bracket including a bearing opening, a shaft mounted for oscillation in said bearing opening, a holding cam carried by said shaft, a keeper bracket adapted to be secured to the interior of one of the swingable sides



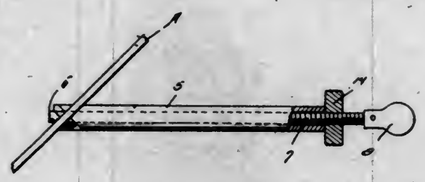
of a hood, said bracket being provided with a slot for passage of a part of said cam, a rock shaft adapted to be mounted upon a part of the automobile, an operating connection between the rock shaft and the cam, and actuating means for the rock shaft.

1,631,509. WELL-DRILL-PIPE FLOAT COUPLING. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, a Corporation of California. Filed Dec. 1, 1926. Serial No. 151,862. 5 Claims. (Cl. 255—28.)



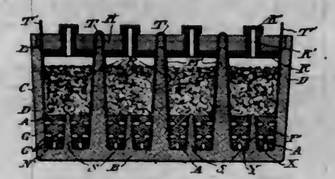
1. A drill pipe float coupling comprising a cylindrical coupling adapted to connect aligned sections of drill pipe, said coupling having a central chamber formed longitudinally therethrough, said chamber being reduced in diameter at one end of the coupling forming an annular shoulder within the coupling, a valve cage detachably secured within the chamber of the coupling, said valve cage having a valve seat, a valve guided by said cage for cooperation with the seat to control the passage of fluid through the coupling, said valve opening toward the reduced end of the chamber, and means on the valve adapted to engage with said shoulder to prevent the valve from interrupting the flow of liquid through the coupling in the event that the valve should become disengaged from the valve cage.

1,631,510. WIRE HOLDER. LEWIS B. BARRETT, Bangor, Me. Filed Dec. 4, 1925. Serial No. 73,191. 2 Claims. (Cl. 81—3.)



2. In a wire holder of the class described, an elongated member having a central bore, a rod slidable in said bore, and cooperating wire engaging and clamping means on corresponding ends of the member and rod respectively, said means embodying a cut away portion at the extreme end of the tubular member, cooperating wire receiving grooves communicating with said cut away portion and disposed in divergent relation with respect to each other, and a cut out portion in the corresponding end of the rod, the outer wall of which is constructed to provide a tooth to bite into the wire.

1,631,511. STORAGE BATTERY. RAYMOND C. BENNER, Bayside, N. Y., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Feb. 29, 1924. Serial No. 696,029. 16 Claims. (Cl. 136—15.)

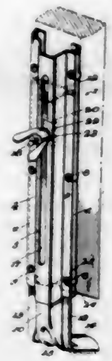


1. In a storage battery, the combination of a container, a series of horizontally arranged cells in said container having walls separating them from one another, each cell having a partition therein dividing the lower portion thereof into electrode compartments communicating with one another through a space above such partition, electrodes substantially filling said compartments, conductors connecting the electrodes of opposite polarity in adjoining cells of the series and extending over the intervening walls, such conductors being at least partly imbedded in a substance resisting creepage of electrolyte, and electrolyte in said cells above the electrodes therein.

1,631,512. METHOD FOR PRODUCING RUSTLESS IRON AND STEEL. DAVID WERNER BERLIN, Rasunda, near Stockholm, Sweden, assignor to Aktiebolaget Ferrolegeringar, Stockholm, Sweden, a Joint Stock Company. Filed July 20, 1923, Serial No. 652,866, and in Sweden Aug. 28, 1922. 1 Claim. (Cl. 204—63.)

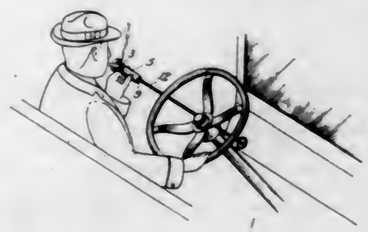
The method of producing rustless iron and steel, characterized by the feature that chromium or chromic alloy is formed into electrodes which are brought into an electrical furnace, against a bath of molten iron, whereby the electrodes melt after a time in the voltaic arc created in the passage between the electrodes and the bath or the resistance heat generated in the said passage.

1,631,513. EXTENSION-LEG ATTACHMENT FOR LADDERS. FRED FORREST BERRY, Concord, N. H. Filed June 17, 1926. Serial No. 116,700. 5 Claims. (Cl. 228—63.)



1. An extension leg attachment for a ladder comprising a guide section attachable to the lower end portion of a leg of a ladder, an extension leg slidable in said guide section, and means for locking said extension leg to said guide section, said extension leg having an inclined foot portion, the inclination of said foot portion being in a downward and laterally outward direction and said foot portion being curved transversely substantially along the arc of a circle so that the lower surface thereof is concave.

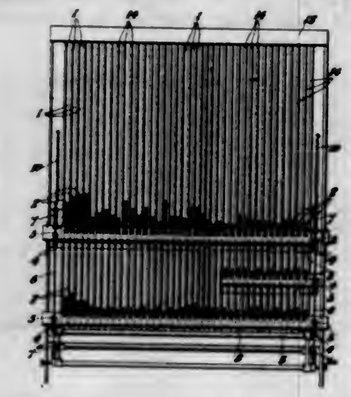
1,631,514. CIGARETTE LIGHTER. DOROTHY SNOW BRUSH and ABBOTT P. BRUSH, Greenwich, Conn. Filed Nov. 26, 1926. Serial No. 150,674. 5 Claims. (Cl. 219—32.)



1. A cigarette lighter comprising an electric lighter head, a casing in which said head is freely movable, means for resiliently supporting said head in the casing with a sufficient range of movement and sufficiently yieldable within said range to prevent the breaking of a cigarette held against said head and means for completing the circuit to said head in all positions throughout its range of yieldability.

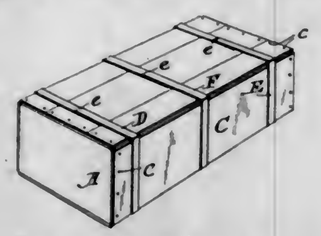
1,631,515. TYPESETTING APPARATUS. CHARLES ASHTON HENRY BULLOCK, London, England. Filed May 15, 1926, Serial No. 109,342, and in Great Britain June 25, 1925. 8 Claims. (Cl. 276—45.)

1. Typesetting apparatus comprising channels in each of which types of one designation are arranged one above the other, a sliding plate behind the lowest row of types and means for causing this plate to move forward at will and push the lowermost type in each channel



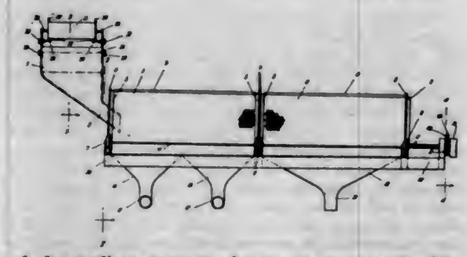
to a position of accessibility for extraction, and including a frame subdivided laterally so as to provide tiers of channels one above the other.

1,631,516. SHIPPING PACKAGE. SPENCER C. CARY, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed May 6, 1919. Serial No. 295,245. 9 Claims. (Cl. 217—5.)



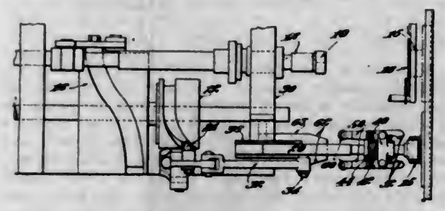
1. A shipping container comprising a pair of rectangular box ends, three box sides, secured to said ends, a fourth box side made of springy sheet material, applied upon said ends and cut away at its longitudinal edges, so as to be adapted to be forced inwardly intermediate said ends between the adjacent edges of the adjacent sides, and tensional binding means applied upon said box under heavy pressure and maintaining said fourth side in its distorted position.

1,631,517. GRADER. WILLIAM F. CHRISTEL, Valders, Wis. Filed Jan. 10, 1925. Serial No. 1,676. 10 Claims. (Cl. 209—289.)



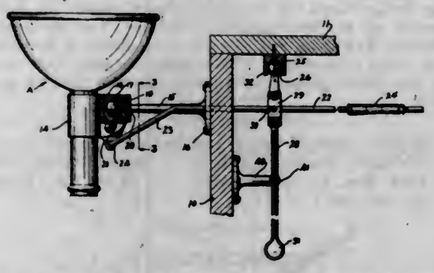
1. In grading apparatus for green peas and the like, the combination of a grading, screening reel, means for delivering peas thereto, and a reel arranged at right angles to the first-mentioned reel and disposed to receive the discharge through the reticulations of the first-mentioned reel for further grading.

1,631,518. BOX-MAKING MACHINE. WILLIAM S. CLEAVES, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a Corporation of Massachusetts. Filed Sept. 29, 1925. Serial No. 59,359. 6 Claims. (Cl. 93—58.)



1. In a box making machine, in combination, a die for holding a box or cover, having an adhesive banding strip wrapped around the same and projecting beyond the edge of the cover, a plunger movable into the die to fold inwardly and adhesively affix the projecting portion of the banding strip to the interior of the cover, and upon which the box or cover is positioned when the same is withdrawn from the die, means for moving the plunger, and thumb hole cutting means cooperating with the box or cover while positioned on the plunger.

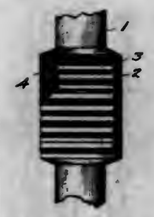
1,631,519. DIRIGIBLE LAMP FOR AUTOMOBILES. LUCIUS D. COPELAND, Los Angeles, Calif. Filed Jan. 22, 1925. Serial No. 4,010. 4 Claims. (Cl. 240—61.)



1. In combination with an automobile having a body and having a steering wheel, a spot light adjacent to one side of the body, means to mount said spot light for universal movement, means to control universal movement of said spot light, said means comprising a single rod extending across the body of the automobile, said rod having its axis coincident with one of the axes of the spot light, said rod being bent at each end, a wing on said spot light, said bent portion of the rod pivotally engaging said wing in an elongated bearing, the axis of said last mentioned engagement being at one side of the axis of said rod.

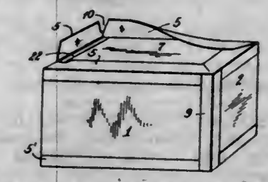
1,631,520. PACKING. JOHN L. CREEVY, New Orleans, La. Filed Mar. 29, 1923. Serial No. 628,610. 1 Claim. (Cl. 288—3.)

A packing of the character described, comprising a pair of spaced end rings surrounding a piston rod, a plurality of dished split rings arranged in spaced relation about said rod, each of said rings having a groove formed about the periphery thereof, resilient packing between the separate rings, and an annular binding element surrounding each of the rings and lying in the grooves thereof to hold the rings in position, the plane of compression of the binding element surrounding each of the dished rings, passing through the depressed face of



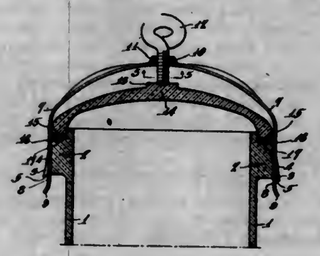
the ring at the inner edge thereof, to cause the ring to be compressed against the resilient packing lying against the depressed face thereof.

1,631,521. CORRUGATED-BOARD CONTAINER AND BLANK THEREFOR. CHARLES H. CROWELL, White Plains, N. Y. Filed Dec. 11, 1923. Serial No. 679,880. 5 Claims. (Cl. 229—23.)



5. A shipping container having a stepped edge with a projecting edge flange and a seam reinforcing tape secured to the inner face of the container and extending over the step and projecting flange into secured engagement with the outer face of the container.

1,631,522. CAP-FASTENING MEANS FOR PRESERVING JARS. LEWIS O. CULVER, West Pittston, Pa., assignor, by direct and mesne assignments, to Culver-Bevan Fruit Jar Company, Wilkes-Barre, Pa. Filed Aug. 25, 1925. Serial No. 52,283. 4 Claims. (Cl. 215—88.)

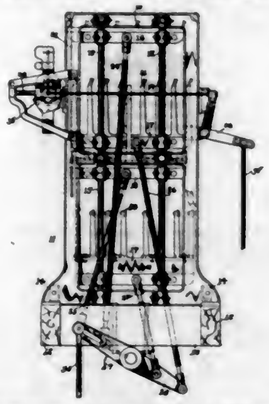


1. Cap fastening means for jars including lugs secured to the opposite sides of the jar having vertical grooves and inclined under faces; said lugs having front faces inclining toward the top of the jar; a yoke having T-shaped ends adapted to fit in the grooves and engage the inclined under faces; threaded means in the yoke, and means engaging therewith for holding the cap to the jar.

1,631,523. JACQUARD MECHANISM FOR LOOMS. EDWARD J. DACEY, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 2, 1924. Serial No. 735,258. 6 Claims. (Cl. 139—59.)

1. In a jacquard mechanism for a double fabric loom having duplicate sets of pile forming yarns, one set for each fabric, a pair of movable members for each set of

yarns, means to move one pair of members in a direction opposite to that in which the other pair of members moves, each pair lifting all the yarns corresponding there-



to on each movement of the jacquard whereby the weight of the yarns carried by the members moving in one direction is balanced by the weight of the yarns carried by the members moving in the opposite direction.

1,631,524. PROCESS FOR PHOTOGRAPHIC PRINTING IN COLORS. LOUIS DUFAY, Versailles, France. Filed Jan. 25, 1924. Serial No. 688,568. 1 Claim. (Cl. 101—211.)



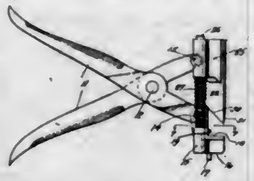
A process for color printing comprising the following steps, producing a plurality of color-separation negatives from a colored original, making a similar number of printing plates from these color-separation negatives, printing said printing plates with a fatty ink on a single support, powdering the printed impression after each impression with a water-soluble dye, said dye corresponding in color to the color filter used in making the printing plate, moistening a sheet of material adapted to receive a colored impression, pressing the material against the composite powdered impression whereby a transferred impression is obtained on the material reproducing the colored original.

1,631,525. CAP FOR PASTE TUBES. DELBERT L. GALLETT, Aberdeen, S. Dak. Filed June 3, 1926. Serial No. 113,536. 3 Claims. (Cl. 221—60.)



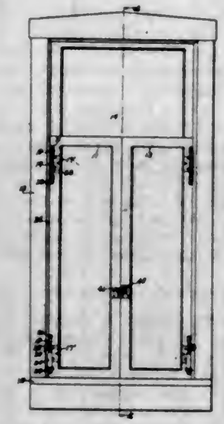
1. A cap for paste tubes comprising inner and outer sections assembled for rotative adjustment one with respect to the other and one being a fixed section, the sections having openings to be placed in and out of communication in the adjustment of the movable section, and an element passing through the sections and maintaining the sections adjustably assembled with each other and for connecting the assemblage to the neck of a paste tube.

1,631,526. MOLDING CUTTER. WILLIAM W. HARTMAN, Los Angeles, Calif. Filed Aug. 27, 1925. Serial No. 52,839. 1 Claim. (Cl. 144—117.)



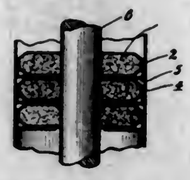
A device of the character described comprising two relatively movable elements, the lower one of which carries upwardly extending guide posts and the upper one of which is slidable on said guide posts, means connected with the two elements for moving them toward each other, springs around the guide posts tending to move the elements away from each other, the lower element having a flat under face and having a downwardly projecting gauge shoulder thereon, and said lower element having an upwardly facing work supporting surface and a vertical work backing surface above the work supporting surface, a V-shaped notch cut into said lower element through its two last mentioned surfaces, said notch having cutter guiding faces that lie at predetermined angles to the work backing surface, an upward extension to said lower element carrying upward extensions of said cutter guiding faces and also upward extensions of said work backing surface, said cutter guiding faces meeting along a vertical line situated behind the work backing surfaces; a pair of shearing cutters carried by the upper element with their two outside faces directly in the planes of the two cutter guiding faces, the lower ends of said cutters being formed with diagonal cutting edges in their outer faces, said diagonal edges being arranged so that they tend to press the work back against the work backing surface when the cutters are urged toward the work carried by the first mentioned element; and the gauge shoulder having an end adapted to be placed in a corner and lying substantially in line with the line where one of said cutter guiding faces meets the work backing surface.

1,631,527. HINGE WITH AUTOMATIC LIFTING AND LOCKING MEANS. JOHN L. C. HEINZ, Chicago, Ill. Filed Mar. 17, 1926. Serial No. 95,183. 4 Claims. (Cl. 16—160.)



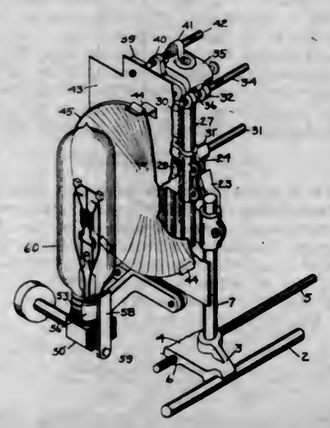
1. A hinge comprising a part with spaced pintle barrels and a casing thereon, having a pocket with a slot, a second part with a pintle barrel movable between the spaced barrels longitudinally on said pintle, a plunger provided with a spring in said pocket and with transverse means slidable in said slot to prevent rotation therein, said plunger having an integral finger to automatically move in the path of the pintle barrel on the movable hinge part for locking it in position, and a spring on said pintle to automatically move the movable pintle barrel out of such locked position when the locking finger is released.

1,631,528. DRY CELL. WILLIAM F. HENDRY, Ossining, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 23, 1924. Serial No. 688,058. 6 Claims. (Cl. 136—123.)



1. A dry cell composed of a plurality of tablets compacted of depolarizing and bibulous materials, the latter forming an adhering coating on the former.

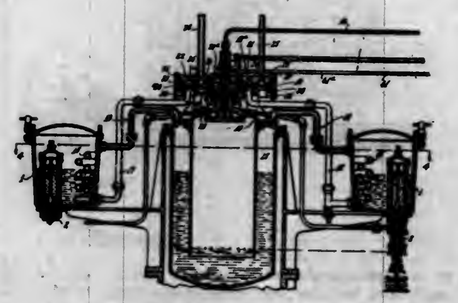
1,631,529. ILLUMINATING DEVICE FOR PROJECTION PURPOSES. ROGER M. HILL, Washington, D. C. Filed Mar. 1, 1923. Serial No. 622,219. 26 Claims. (Cl. 88—24.)



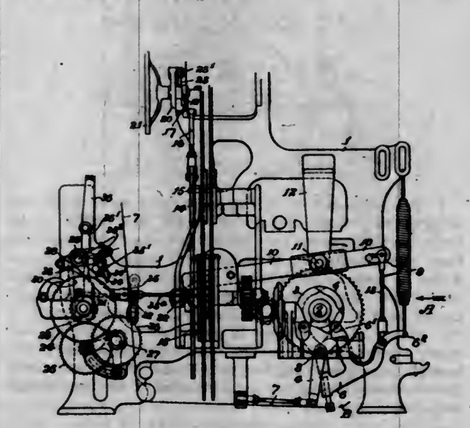
2. In a projection apparatus the combination of a supporting block, guides positioned in the block, one of said guides being fixed the other vertically movable, an adapter bracket secured at the lower end of the fixed guide, a lamp supported by said bracket, a turret swivelled at the upper end of said movable guide, remote control means connected with said turret to swivel the latter and a reflector carried by said turret.

1,631,530. BOTTLING MACHINE. ALBERT F. HOFFMAN, Newark, N. J. Filed Apr. 16, 1926. Serial No. 102,383. 5 Claims. (Cl. 226—70.)

1. A bottling machine comprising a rotative chamber for beverages and the like, a cooling pipe associated with the chamber to rotate therewith, cooperative members having means in communication with said pipe and with supply and exhaust pipes to maintain circulation of cooling fluid through said pipe during rotation of the chamber, one of said members being rotative with the chamber, means retaining the other member from rotation, and spaced rings carried by the last named member and supporting the rotative member.



1,631,531. LOOM FOR WEAVING CHENILLE AXMINSTER AND LIKE CARPETS, BLANKETS, AND OTHER FABRICS. EDWARD HOLLINGWORTH, Dobcross, England, assignor to The Crompton and Knowles Loom Works, Worcester, Mass. Filed Aug. 14, 1925, Serial No. 50,324, and in Great Britain Aug. 15, 1924. 6 Claims. (Cl. 139—24.)

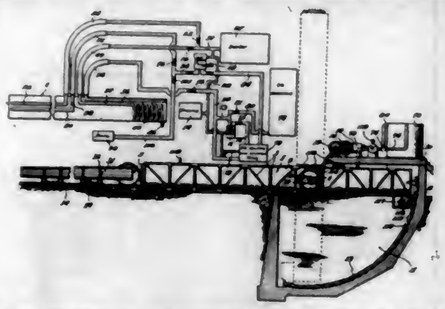


1. In a loom having two or more shifting shuttle boxes at each end of the lay, in combination, box shifting mechanism, means for rendering the box shifting mechanism inoperative, take-up mechanism and simultaneously operative means for varying the rate of speed of the take-up mechanism according as the box shifting mechanism is operative or inoperative.

1,631,532. APPARATUS FOR TREATING PILES. ANDREW G. HOWERTON, Memphis, Tenn. Filed June 25, 1926. Serial No. 118,543. 7 Claims. (Cl. 98—12.)

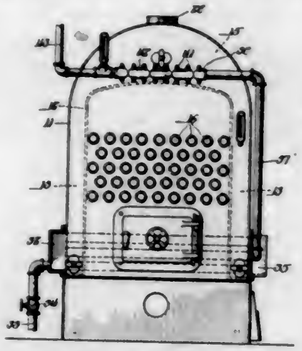
7. An apparatus for impregnating piles with a preservative, a cylinder, means for supporting the cylinder for adjustment to horizontal and upright position, rails

extending longitudinally within the cylinder, and upon which are guided the wheels of a truck supporting piles



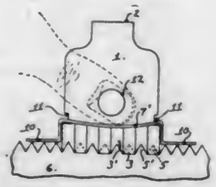
to be impregnated, and cooperative means carried by the truck and cylinder for maintaining truck wheels upon the rails when the cylinder is upright.

1,631,533. WATER HEATER. ADOLPH T. JOHANSON, Benton Harbor, Mich., assignor of one-half to Harry V. Tutton, Benton Harbor, Mich. Filed June 21, 1926. Serial No. 117,445. 2 Claims. (Cl. 122—20.)



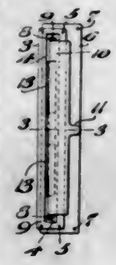
1. The combination of a boiler having outer walls and adapted to contain a body of water, said boiler in its lower portion having two combustion chambers separated from one another by a hollow wall adapted to contain water, a lower pipe extended through the water of said hollow wall, upper pipes extended through said first mentioned body of water and through the opposite walls of the boiler, means outside of said walls connecting said upper pipes together, means connecting said lower pipe to said upper pipes, and means to feed water to said lower pipe, whereby the water may be heated in flowing through said lower pipe and upper pipes.

1,631,534. SAW SET. AXEL JOHNSON, Oakland, Calif. Filed June 10, 1926. Serial No. 115,142. 3 Claims. (Cl. 76—72.)



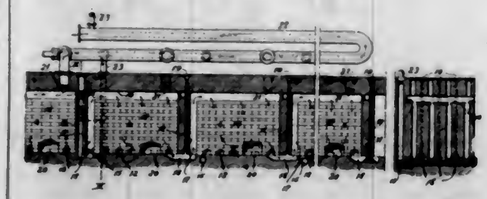
1. A saw-setting tool comprising a body adapted to be held in the hand and struck with a hammer, said body having upon its lower edge a plurality of teeth with oppositely and alternately inclined operative faces adapted to contact with and set the teeth of a saw, and a gage movably associated with said body and adapted for contact with both the saw teeth and the hand of the user to indicate the amount of set produced.

1,631,535. CORSET CLASP. ALMA KAUTZSCH, Philadelphia, Pa. Filed Aug. 25, 1926. Serial No. 131,365. 1 Claim. (Cl. 24—69.)



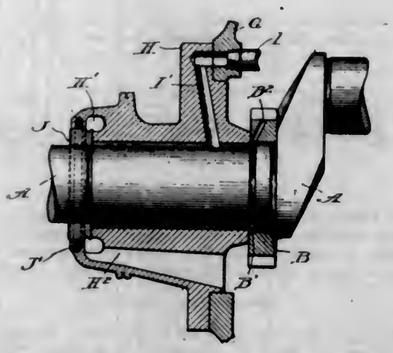
In a corset opening upon a front vertical medial line, the combination of a plurality of thin flat, elongated plates secured adjacent to one vertical edge of the corset each plate having a spring pressed, elongated clamp pivotally mounted thereon, provided with a finger piece, a leaf spring for each pivotal clamp arranged in alignment with the pivot points, said leaf spring being elongated and riveted intermediate of its ends to said plate in a plane below the said pivotal clamp and substantially in alignment with the axis of the latter, portions of said spring on each side of the riveted portion being bowed upwardly to contact with the inner pivotal edge of said clamp, and a plurality of other thin, flat and slotted plates secured to the opposite vertical edge of the corset, said pivotal clamps being co-extensive with the slotted plates throughout the major portion of their extent and each clamp being adapted to penetrate said slotted plates and to be moved about their pivot points for clamping upon said first mentioned plates to interlock said corset front.

1,631,536. APPARATUS AND PROCESS FOR BURNING CERAMICS AND THE LIKE. HEINRICH KOPPERS, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1921, Serial No. 497,367, and in Germany Aug. 21, 1919. 11 Claims. (Cl. 25—137.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. An annular oven for burning ceramic ware and the like, in combination: a series of connected oven chambers adapted to be operated successively as cooling, burning and preheating chambers; partitions separating said chambers; a plurality of passage openings in said partitions, one set in the upper portion of said partitions providing a communication from the upper part of one chamber to the lower part of the next adjacent chamber and the other set of passage openings located in the lower portion of the partitions and communicating with the lower part of the said next adjacent chamber, each of said passage openings adapted to be opened and closed; openings in the lower portions of said chambers for admission of cooling air; heat supply openings located in the lower part of the chambers adjacent said partitions; the passages in the upper part of said partition adapted to be opened and the passages in the lower part of said partitions adapted to be closed between the cooling and burning chambers; the upper passages adapted to be closed and the lower passages adapted to be opened between the burning and preheating chambers and between each preheating chamber.

1,631,537. LUBRICATION SYSTEM FOR TRAIN OF GEARS. JOHN GEORGE KRENZKE, La Porte, Ind., assignor to Advance-Rumely Company, La Porte, Ind., a Corporation of Indiana. Filed Apr. 17, 1922. Serial No. 553,726. 3 Claims. (Cl. 184—6.)



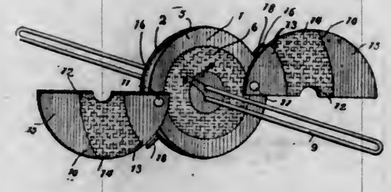
2. In combination with a crank shaft of an engine supported by a bearing means for lubricating said bearing and for lubricating from such bearing other parts, said means including a lubricant retaining groove formed on said shaft, a collar on said shaft adjacent said groove and a pinion fixed on said collar and overlying said groove, ducts through said pinion communicating with the groove whereby lubricant is fed from the groove to the periphery of said pinion after having passed from the bearing to such groove.

1,631,538. WINDING SHAFT. FRANK E. LANGDON, Vancouver, Wash. Filed Apr. 28, 1926. Serial No. 105,104. 2 Claims. (Cl. 242—72.)



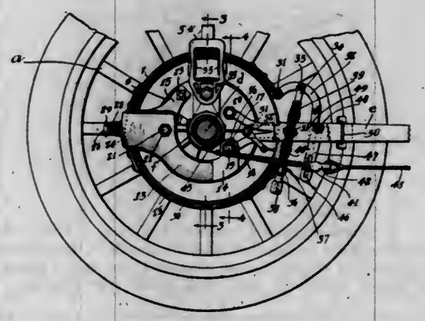
1. A winding shaft having an inner tubular shaft member; a plurality of radially movable longitudinal curved sections forming an outer shaft around said inner shaft; wedges between each of said longitudinal sections and said inner shaft; means for sliding said inner shaft with relation to said outer sections; and a spring within said inner tubular shaft adapted to hold said sections in an expanded position.

1,631,539. WHIRLIGIG. GEORGE M. LARRAIR, Indianapolis, Ind. Filed July 1, 1926. Serial No. 119,946. 4 Claims. (Cl. 46—14.)



2. A whirligig comprising a disk-like body, means to rotate said body, wings pivoted against one side face of said body at opposite sides of its center and adapted to be swung outwardly in opposite directions by centrifugal force when the body is rotating, lugs extending from said wings adjacent their pivoted ends and projecting across the peripheral edge of said body to limit outward pivotal movement of the wings, and means to yieldably retain said wings retracted.

1,631,540. BRAKE. ETHAN C. LE MUNYON and HENRY N. MOORE, Los Angeles, Calif., assignors, by mesne assignments, to Rocky Mountain Steel Products, Inc., Los Angeles, Calif., a Corporation of California. Filed Dec. 8, 1921, Serial No. 521,073. Renewed Nov. 5, 1926. 4 Claims. (Cl. 188—77.)



1. In a brake, the combination with a vehicle wheel and an axle housing having a flange, of a brake drum fitting loosely over the flange, a second brake drum of substantially greater diameter than the first drum open to the air at its face and riveted to the first drum independently of the wheel, bolts passing through both drums and through the wheel, a bracket mounted on the inner face of the flange and bridging across a portion of the space between the flange and the periphery of the second drum and provided with a flange extending parallel with said periphery, a brake shoe yieldingly mounted on the second flange and partly surrounding the second drum, and means to control the brake shoe.

1,631,541. LIQUID-MEASURING TANK. GEORGE W. MACKENZIE, Beaver, Pa., assignor to Correct Measure Company, Rochester, Pa., a Corporation of Pennsylvania. Filed May 24, 1926. Serial No. 111,270. 3 Claims. (Cl. 116—135.)

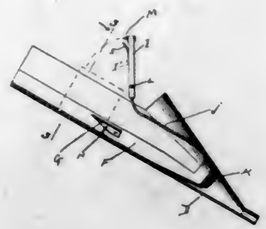
3. An indicator for a cylindrical glass-walled container consisting of a band of rigid material adapted to

be coiled within the cylinder, said band being provided adjacent one end with a keeper, the band at its opposite end extending through said keeper and slidably



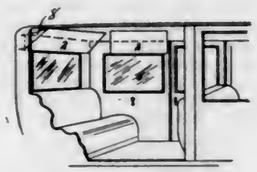
engaged thereby, and at its tip secured to the web of the band adjacent the keeper-provided end, and means for reducing the divergence of the overlapped ends between the keeper and the point of securing.

1,631,542. FUEL FILLER FOR TANKS. THOMAS DAVID MANUEL, Bellville, South Africa. Filed Mar. 26, 1926, Serial No. 97,722, and in the Union of South Africa Dec. 10, 1925. 2 Claims. (Cl. 226—29.)



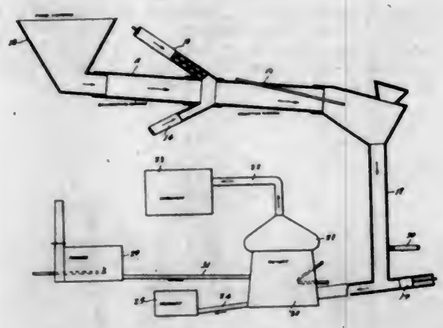
1. A liquid dispensing device including a funnel supported in fixed inclination, and a removable strip therein, a strainer at the lower end of said strip, and a puncturing device carried by said strip above said strainer.

1,631,543. CLOTHING AND PACKAGE CARRIER. ORREN I. MASSEY, Elk City, Okla., assignor of one-half to Samuel Williams, Elk City, Okla. Filed Aug. 28, 1925. Serial No. 53,079. 3 Claims. (Cl. 224—29.)



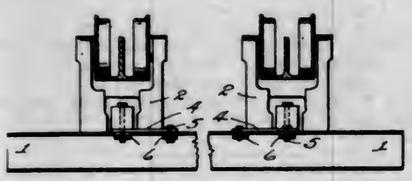
1. A clothing and package carrier comprising a frame and a sheet of supporting material attached to said frame, flexible side members attached to the lateral edges of said frame, means for hingedly connecting one edge of the carrier to a vehicle frame, and yielding means normally inclosed in said side members for holding the free edge of said carrier against the top of the vehicle.

1,631,544. PROCESS FOR THE PRODUCTION OF METALLIC MAGNESIUM AND FIXED NITROGEN. CLAUDE G. MINER, Berkeley, Calif., assignor, by mesne assignments, to Anglo-California Trust Company, trustee, San Francisco, Calif. Filed Nov. 6, 1922. Serial No. 599,289. 20 Claims. (Cl. 75—17.)



1. Process of preparing metallic magnesium which comprises reacting upon a compound of magnesium having a heat of formation less than that of magnesium oxid with an agent capable of liberating magnesium therefrom.

1,631,545. ADJUSTABLE END TRUCK. RUSSELL E. NELLES, Reading, Pa., assignor to Reading Chain & Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Jan. 28, 1927. Serial No. 164,269. 1 Claim. (Cl. 105—163.)

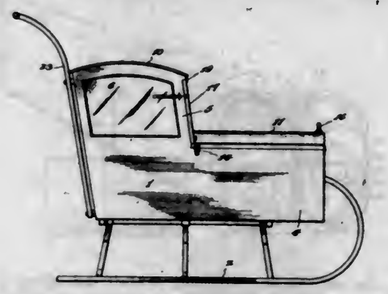


In an adjustable end truck for overhead carriers, the combination of a truck member, a plate on which it is mounted, said plate having a series of bolt receiving perforations, an I-beam on which the truck is adapted to travel, and a set of clamping plates secured and carried by the plate and having bent extremities adapted to engage the flange of the I-beam and to hold the truck end in adjustable position thereon.

1,631,546. INFANT'S CONVEYANCE. SEBASTIAN NISTLER, Buffalo, N. Y. Filed July 31, 1924. Serial No. 729,369. 1 Claim. (Cl. 296—1.)

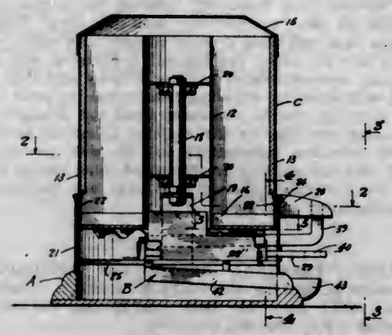
A child's vehicle comprising a body having a forward extension, a cover closing the forward extension and hinged thereto at its front end to swing upwardly at its rear end to an open position, a rail at the rear end of the cover having an upstanding flange along its rear edge, and a shield closing the front of the body above the forward extension thereof and hinged at its top and adapted to swing forwardly and upwardly at its bottom to

an open position and when closed having its lower end portion fitted close against the top face of the rail and front face of the upstanding flange whereby the shield



may securely hold the cover closed and the flange of the rail limit closing movement of the shield and form a tight joint between the shield and cover.

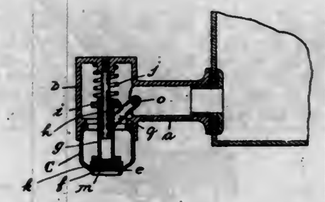
1,631,547. VENDING MACHINE. JAMES E. OLVIS, Los Angeles, Calif. Filed Sept. 9, 1925. Serial No. 55,828. 5 Claims. (Cl. 211—8.)



1. In a device of the class described, the combination of a base having a delivery passageway for articles to be vended, a stock container rotatably mounted on said base and having a plurality of compartments adapted to have the articles stacked therein, said compartments being peripherally arranged in said container, each of said compartments having a delivery outlet in the outer wall at the bottom thereof so that the container may be turned to register a selected outlet with said passageway, alignment means for finally locking a selected outlet in registration with said passageway, and operating means in said base for ejecting articles from a selected compartment into said passageway, said alignment and operating means being manually operable by a single movement.

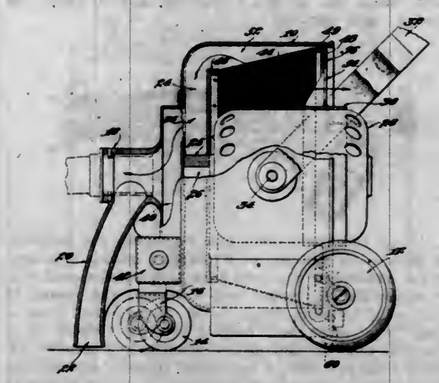
1,631,548. DISPENSING FAUCET. WILLIAM E. PATNAUDE, Stoughton, Mass. Filed May 26, 1926. Serial No. 111,872. 5 Claims. (Cl. 251—156.)

1. In a liquid dispensing faucet, a depending tubular casing having a discharge port at its lower end, the walls of which terminate at a uniform level, said casing being internally constricted to form an upwardly facing valve seat and constructed to provide a relatively short annular lip depending from said seat and forming the lower end portion of the casing, and a valve vertically movable in said casing to engage said seat and having a flat, circular, horizontally disposed drop-sustaining face at its lower end arranged, when the valve is seated, to effect a sufficiently tight closure of the top portion of the space encircled by said lip, at a level slightly above



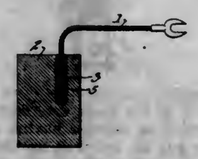
the level of the edge of the lip, to form a shallow recess adapted to retain undischarged drops of liquid which have passed the valve seat.

1,631,549. VACUUM CLEANER. FRED FORREST PEASE, East Braintree, Mass., assignor to F. F. Pease Inc., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 9, 1923. Serial No. 630,707. 4 Claims. (Cl. 183—63.)



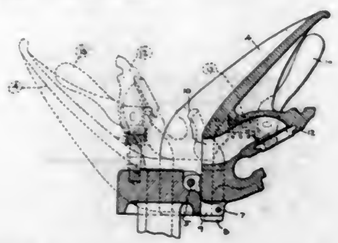
1. The combination in a vacuum cleaner of an electric motor, a fan connected to one end of the motor, a tubular screen beyond the fan and extending about the motor, and means for rotating the screen with the fan.

1,631,550. ELECTRICAL CONNECTION. PHILIP ROBERG, Elmhurst, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 26, 1921. Serial No. 495,499. 12 Claims. (Cl. 171—326.)



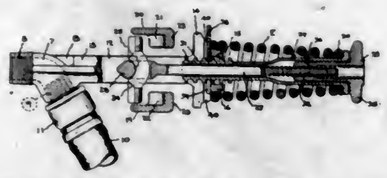
3. The combination of a carbon brush having a cavity therein, a carbon-containing metallic plug in said cavity and a conductor secured in good electrical connection with the brush by the metallic plug.

1,631,551. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH ROBINSON, New York, N. Y. Filed Mar. 22, 1921. Serial No. 454,545. Renewed Nov. 3, 1925. 10 Claims. (Cl. 285—58.)



9. In an automatic train pipe connecter, a coupling head having a coupling face provided with a port, a guiding prong secured to said head and having a portion movable into position adjacent said face of the head, said portion of the prong having a port adapted to cooperate with the port in said head.

1,631,552. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH ROBINSON, New York, N. Y. Filed Apr. 14, 1921. Serial No. 461,298. Renewed Nov. 3, 1925. 18 Claims. (Cl. 285—58.)



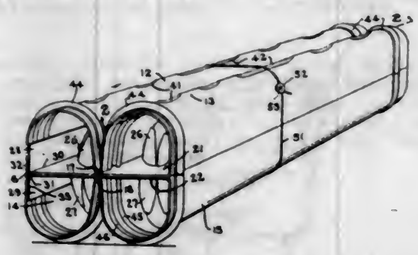
1. In an automatic train pipe connecter, the combination with a car coupler, of a coupling head and a support for suspending the head from said coupler, said support comprising a bracket and a spring, and means to permit said coupling head to be disconnected from a mating head while said coupler remains coupled to a companion coupler, said means comprising a member extending from the rear of said head through said bracket and carrying a perforated projection, a device extending into said perforation and having abutting relation to said spring, and means to anchor said device to said member to maintain said spring under compression while effecting such disconnection.

1,631,553. BLOOD-TESTING DEVICE. CHARLES E. RODERICK, Battle Creek, Mich. Filed Apr. 20, 1925. Serial No. 24,569. 5 Claims. (Cl. 88—14.)



5. In a device of the class described, the combination of a cylindrical casing member having a peripheral sight opening therein and an end wall provided with a central hub, a drum rotatable within said casing provided with an end wall having a spindle disposed in said hub, a finger piece on said spindle for rotatably adjusting said drum, and a gauge strip mounted on the periphery of said drum whereby the indicia thereof may be brought into register with said opening.

1,631,554. EGG CARTON. ERICH SCHINSCHOLL, Cincinnati, Ohio. Filed Sept. 26, 1924. Serial No. 740,119. 4 Claims. (Cl. 229—29.)



1. An egg carton comprising a shell embodying a pair of substantially semi-cylindrical sections forming shell-halves hinged together by a score integral in said shell at one side of said substantially semi-cylindrical sections, egg-nest sections extending laterally from the opposite sides of said respective shell-sections toward said score and provided with mating egg-pockets, the bodies of said substantially semi-cylindrical sections provided with radially outwardly extending ribs forming grooves at the inner surfaces of said substantially semi-cylindrical sections, said ribs extending about said substantially semi-cylindrical sections adjacent to the ends thereof for strengthening the substantially semi-cylindrical forms of said sections and resiliently spacing the intermediate portions of said substantially semi-cylindrical sections between said ribs from a plane surface upon which said carton may be placed, and the wall portions of said substantially semi-cylindrical sections between said ribs provided with inwardly extending indentations in axial lines with said egg pockets, and constructed and arranged for cushioning the eggs by the conjoint action of said inwardly extending indentations and the wall portions in which said indentations are contained being spaced from said plane surface, whereby said eggs are individually and collectively cushioned.

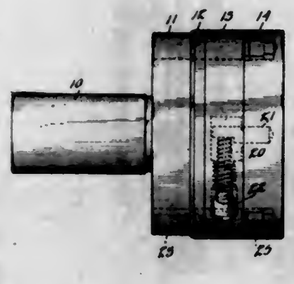
1,631,555. TERMINAL PROTECTIVE APPARATUS. EDWARD A. SEWARD and ELLIS B. RODGERS, Columbus, Ga. Filed Mar. 24, 1923. Serial No. 627,503. 5 Claims. (Cl. 136—163.)



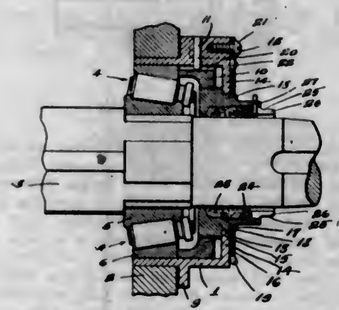
1. A protective apparatus for the terminal of a secondary battery comprising a base adapted to surround the terminal, a casing removably mounted thereon, a cover for the casing, means for locking the casing onto the base, and means for locking the cover onto the casing in position for preventing release of the locking means for the casing to the base.

1,631,556. DIE HEAD. HARRY T. SHEARER, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed Nov. 11, 1924. Serial No. 749,222. 15 Claims. (Cl. 10—100.)

10. A die head comprising tangential thread-cutting chasers, means movable either clockwise or counter-clockwise for locking the head closed to cut right-hand and left-hand threads respectively, means for locking the ring in head-closing position including a pair of apertures in the ring adjacent each pin adapted to receive the pins to lock the head in right-hand or left-hand cutting position respectively, and means permitting overtravel of the ring about the head in its movement toward either closed position, substantially as set forth.



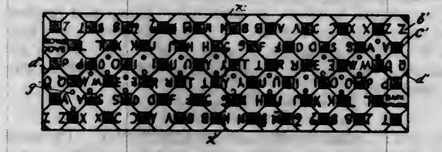
1,631,557. EXTERNAL BEARING-ADJUSTING MEANS. GEORGE W. SPONABLE, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 710,099. 11 Claims. (Cl. 308—207.)



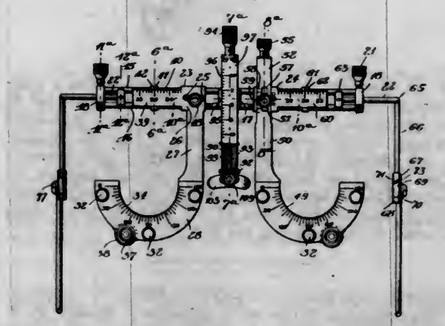
1. The combination of a support, a shaft and a bearing for the shaft carried by the support, the bearing including an axially adjustable part, an internally threaded nut thrusting against said part, means for holding the nut from relative turning movement and an adjusting member arranged concentric with the shaft and threading into the nut and operable upon turning to move the nut lengthwise of the shaft.

1,631,558. GAME APPARATUS. ALFRED JAMES STEVENS, London, Ontario, Canada. Filed Jan. 2, 1926. Serial No. 78,998. 2 Claims. (Cl. 273—131.)

1. A game device comprising a board, the face of which is divided into a series of play areas alternating with separating areas, the respective areas having distinguishing characteristics and being so placed as to present the same arrangement from either side of the board, and two sets of distinguishable markers adapted to be placed upon said play areas, said play areas having thereon two sets of characters which comprise the letters of the alphabet, the play areas on which the vowels are placed having characteristics to readily distinguish them from other play areas.

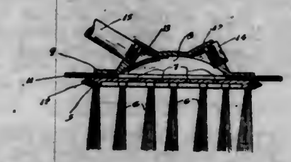


1,631,559. OPHTHALMIC TEST-LENS FRAME. CLARENCE M. STEVENSON, Los Angeles, Calif., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed July 11, 1922. Serial No. 574,207. 7 Claims. (Cl. 88—20.)



1. In an ophthalmic test lens frame, a bridge comprising a pair of parallel bars connected adjacent their centers and ends, inner and outer heads slidably supported for independent movement upon the bars on each side of their central portion, temple members carried by the outer heads, lens supporting elements depending from each of the inner heads, one of said elements being vertically adjustable upon its head, separate operating members engaging the last mentioned head one of which is adapted to move the head upon the guides and the other to move the adjustable lens supporting element upon said head and a nose piece carried by the bridge.

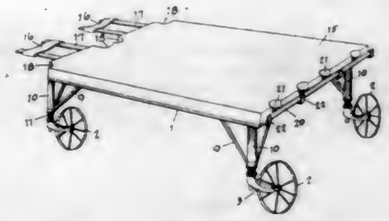
1,631,560. BRUSH. CLARENCE H. STRUBLE and SAMUEL W. HALL, Chicago, Ill. Filed Oct. 12, 1925. Serial No. 61,883. 1 Claim. (Cl. 15—128.)



A fountain brush comprising a body; bristles mounted in said body and projecting from one side thereof, there being perforations extending through said body inter-

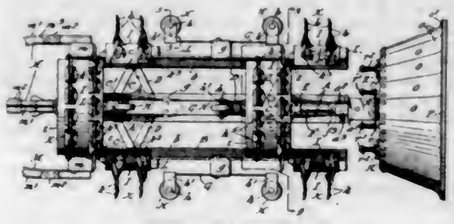
spersed between said bristles; a removable cover for said body forming therewith a distributing chamber over said perforations; a rubber gasket between said cover and body, said gasket being in the form of a flat annular ring extended radially beyond said body to form a guard, a rubber guard member on said body below said gasket, said body being formed with a peripheral groove and said guard member being set in said groove; and means for supplying washing fluid to said chamber, substantially as described.

1,631,561. AGRICULTURAL INSTRUMENT. CHARLES D. SYMMES, Cygnet, Ohio. Filed Mar. 1, 1926. Serial No. 91,413. 2 Claims. (Cl. 280—29.)



1. In a vehicle, a platform part for supporting a vegetation operator face down, a pair of arms connected to one end of the platform and a flexible strap connecting the ends of the arms and forming a forehead support for the operator, the platform supporting part having a recess located on each side of the forehead support for receiving the arms of the operator, the platform operating to support the chest of the operator while using his arms in manipulating the soil.

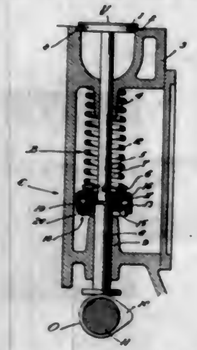
1,631,562. PIPE-LINE-CLEANING DEVICE. JOHN M. THOMPSON and WILLIAM H. THOMPSON, Buffalo, N. Y. Filed Sept. 19, 1923. Serial No. 663,646. 26 Claims. (Cl. 15—104.06.)



4. In a pipe cleaning device, the combination of a supporting frame, curved plates rigidly mounted on said frame and having their front edges sharpened, a plurality of scrapers mounted on each of said plates and having cutting edges arranged in a circle of greater diameter than the cutting edges of said plates, and means for yieldingly holding said scrapers in their operative position on said plates.

1,631,563. AUTOMATIC ADJUSTER FOR PUSH RODS. JOHN E. TITUS, Chicago, Ill. Filed Feb. 5, 1924. Serial No. 690,878. 6 Claims. (Cl. 123—90.)

1. In combination with a poppet valve stem and a push rod in axial alignment and approximately abutting end to end, the push rod being slightly larger in diameter than the valve stem, a cone member seating on the extending edge of the push rod and receiving the end of the valve stem, a cup seated on and concentric with the valve stem and disposed above the cone with the outer walls over-



hanging and surrounding the cone forming an annular wedging space, clutch balls disposed in said space, and a spring acting between the cone and cup.

1,631,564. VALVE FOR MAKING CONNECTION BETWEEN UNDERGROUND MAIN PIPING AND UNDERGROUND BRANCH PIPING. DIEDERIK LODEWIJK HENDRIK VAN RAALTE, Vlissingen, Netherlands. Filed July 16, 1926, Serial No. 122,839½, and in Germany July 14, 1925. 2 Claims. (Cl. 137—73.)

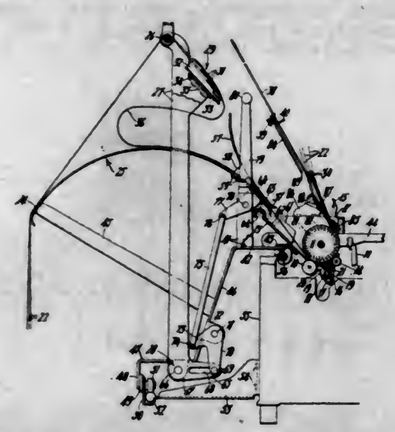


2. A valve including a screw plug having an external shoulder affording a seat for a packing and being provided interiorly with a bore and a larger counter-bore, the wall of the latter being threaded, the junction of said bore and counter-bore forming a shoulder, said screw plug being formed with lateral ports in a zone intermediate the length of said counter-bore, a one piece casing screwing upon said screw plug having the lower end thereof adapted to form a fluid tight joint with the packing on said external shoulder, said casing being formed with a perforated cap, a packing within said cap, said casing having a lateral passage communicating with said ports, a stopper threaded within said counter-bore having valve seats at its opposite ends engageable alternatively with said internal shoulder and the packing within said cap, said casing being of such depth as to maintain a space between the packing in the cap and the end of the screw plug when the lower end of said casing is in fluid tight relation with the external shoulder, said stopper being of such length as to be entirely below the zone of said ports when seated upon said internal shoulder.

1,631,565. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1923, Serial No. 659,273. Renewed Oct. 10, 1924. 12 Claims. (Cl. 197—126.)

1. In a continuous billing typewriting machine, the combination of a carriage, a revoluble platen on said carriage around which a work-web comprising continuous

work-sheets may be fed with interleaved carbon-sheets, a pivoted carbon-carrier to travel with said carriage to retract the work-sheets with the carbon-sheets around the platen to free the carbon-sheet from the platen, a curved table over which the web is stretched when retracted, said table pocketed at its forward end to receive a loop



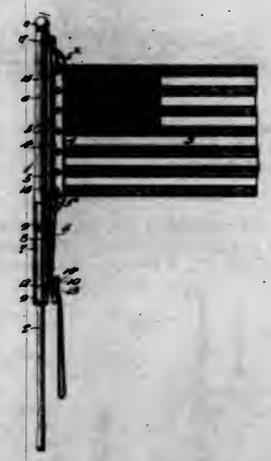
of work-web, feed-rolls to advance the web while the carbon-sheets are held, a gage to determine the extent of advancement of said work sheets, said carbon-carrier movable forwardly from sheet-retracted position to gather the web into a loop upon said table, and means to detain said carbon-carrier in its forward position during the taking up of the loop by the platen.

1,631,566. ROTATABLE FLAG SUPPORT. ROBERT T. WALTON, Philadelphia, Pa. Filed July 2, 1926. Serial No. 120,074. 1 Claim. (Cl. 116—173.)



In a device of the character stated, a flag staff, an elongated sleeve extending longitudinally of, and surrounding the upper end of said flag staff and freely rotatable thereon and provided with parallel vertical flanges, a flag having its inner edge clamped between said vertical flanges, and means comprising a pin in said sleeve engaging a groove in said flag staff for preventing longitudinal shifting of said sleeve and flag with respect to said flag staff.

1,631,567. FLAG SUPPORT AND ACTUATING DEVICE THEREFOR. ROBERT T. WALTON, Philadelphia, Pa. Filed Oct. 12, 1926. Serial No. 141,043. 4 Claims. (Cl. 116—173.)



3. The combination of a flag staff, a sleeve rotatably mounted on the upper end thereof, an upper pulley carried by said sleeve, pendant rods secured to the bottom of said sleeve, a flag, a clamp in which the inner edge of said flag is secured, a cord having its ends secured to the upper and lower portions of said clamp, the upper portion of said cord passing over said pulley, and means on one of said rods for fastening said cord, in combination with integral guide rings formed on one of said rods, and adapted to engage said flag staff.

1,631,568. DRY BATTERY. VICTOR YNGVE, South Orange, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,790. 1 Claim. (Cl. 136—109.)

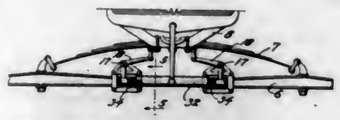


In a dry battery, a box of insulating material, separators of insulating material dividing said box into a plurality of watertight compartments, zinc electrodes shaped into two rectangular plates of unequal size joined by a narrow band mounted in said box with the two plates enclosing a separator and the narrow bands straddling the upper edge of the separator, said narrow bands being used as connection terminals, a coating of conducting paint covering the smaller one of the plates, a layer of porous absorbent material covering the free side of the other plate, and a rectangular tablet compacted of depolarizing mixture in each compartment.

1,631,569. SHOCK ABSORBER. LEONARD ALDRIN, Denver, Colo. Filed Oct. 9, 1925. Serial No. 61,465. 3 Claims. (Cl. 267—20.)

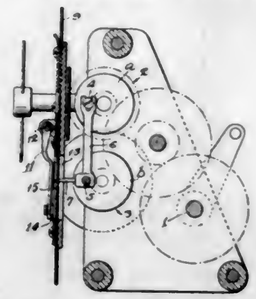
1. A shock absorber for a vehicle comprising a cylinder arranged for attachment to the axle of said vehicle; opposed pistons carried in said cylinder; piston rods ar-

ranged to project from opposite ends of said cylinder; bell crank levers arranged for attachment to the body of said vehicle at their one extremity and operatively con-



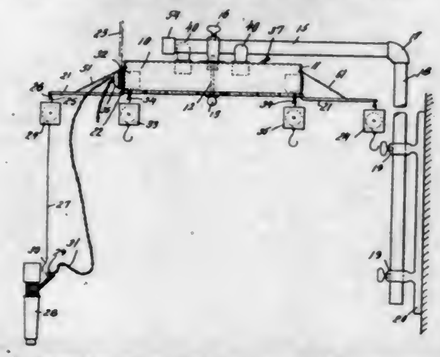
nected to said piston rods at their other extremity so as to cause said pistons to approach each other as said body moves upward.

1,631,570. MOTION-PICTURE-FILM FEED. EDWARD H. AMET, Redondo Beach, Calif. Filed Sept. 15, 1926. Serial No. 135,540. 2 Claims. (Cl. 88—18.4.)



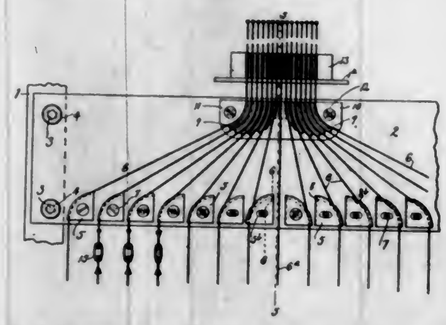
1. A motion picture film feed comprising a film guideway, a dog having an elongate arm and having a detent to enter a hole in the film to hold the film stationary; a reciprocating tooth adapted to pass through a hole in the film to engage said arm to lift the detent from the film and to move the film longitudinally; and means for moving the tooth to and from the arm and along the film-way while in contact with the arm, and for withdrawing the tooth from the film and returning the tooth to initial position to again lift the dog and its detent and to move the film as before.

1,631,571. HAIR-WAVING APPARATUS. HAZEN BOTSFORD BAIRD, New York, N. Y. Filed July 3, 1926. Serial No. 120,382. 13 Claims. (Cl. 132—36.)



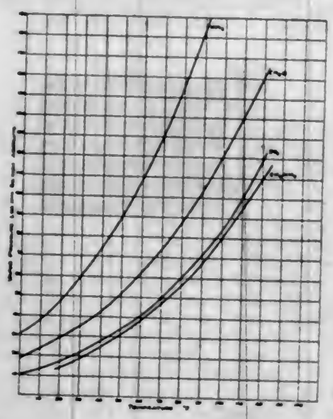
1. Apparatus for treating hair comprising the combination of a support, a casing carried thereby, a plurality of arms extending outwardly from the casing, a plurality of heaters arranged in an inner and an outer series, and individual devices for adjusting the positions of the heaters with reference to the casing, the devices for the heaters of the outer series being carried by the said arms and the devices for the heaters of the inner series being carried by the casing.

1,631,572. TRANSMITTING MECHANISM. CLYDE C. BALSTON, New York, N. Y. Filed Apr. 8, 1927. Serial No. 182,140. 16 Claims. (Cl. 197—1.)



1. A transmitting mechanism comprising a plurality of spaced guides, a second plurality of guides spaced nearer together than the spacing between the first named guides, the second named guides having curves of varying diameters, and flexible connections passing along said guides.

1,631,573. REFREGERANT. GEORGE BARSKY, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Mar. 5, 1926. Serial No. 92,429. 5 Claims. (Cl. 252—5.)

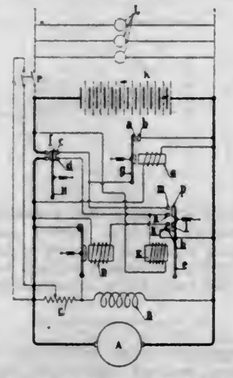


1. A refrigerating composition comprising mono-methylamine and ammonia.

1,631,574. SYSTEM OF ELECTRICAL SUPPLY. HENRI BENIT, Paris, France, assignor to l'Eclairage des Vehicules sur Rail, Paris, France, a French Corporation. Filed Nov. 9, 1923, Serial No. 673,647, and in France Nov. 9, 1922. 6 Claims. (Cl. 171—314.)

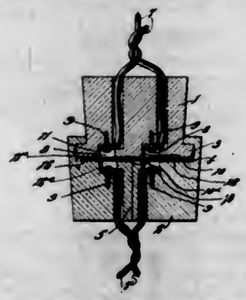
1. In a system of electrical supply, a generator, an accumulator, a circuit connecting said generator and said accumulator in parallel, a current-limiting device controlling the output of said generator, an automatic

switch in said circuit, a relay adapted to condition said current-limiting device for operation, and means associated with said automatic switch for preventing said



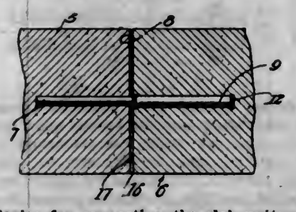
relay from functioning when the resistance of the accumulator is high at the beginning of the charging operation.

1,631,575. ELECTRICAL CONNECTION. CLARENCE C. BERRY, Valley Park, Mo. Filed Sept. 29, 1928. Serial No. 665,585. 2 Claims. (Cl. 173—324.)



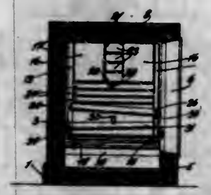
1. In an electrical connection, a cylindrical member having an external peripheral flange, a cylindrical member axially aligned with said first-mentioned member and having an internal peripheral recess adapted to rotatably receive said flange, said latter-mentioned member being divided longitudinally to permit assembly with and disassembly from said first-mentioned member, each of said members having longitudinal passageways for wires therethrough, the passageways in said divided member being spaced from the dividing surface, and individual terminal elements for said passageways providing cooperating contact surfaces on the opposing faces of said members.

1,631,576. DEVICE FOR CONNECTING THE ABUTTING ENDS OF CONCRETE SLABS. CLAUDE E. BOWERS, Los Angeles, Calif. Filed Oct. 11, 1926. Serial No. 140,739. 6 Claims. (Cl. 94—18.)



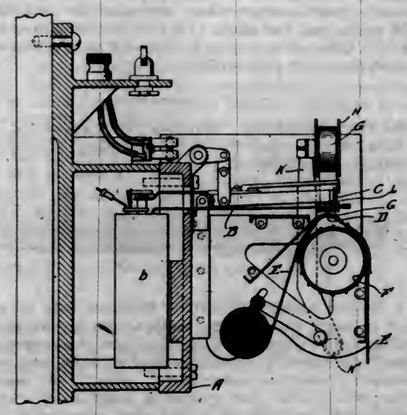
1. In a device for connecting the slab units of a concrete roadway, a plurality of rods adapted for embedment in an edge of one of the concrete slab units, a portion of the rods extending beyond the edge, and a contractible metal sleeve for each of said rods, said sleeves being embedded in the abutting edge of the adjacent concrete unit.

1,631,577. REFRIGERATOR. CLIFFORD F. BOYER, Webster Groves, Mo. Filed June 24, 1925. Serial No. 39,258. 8 Claims. (Cl. 62—37.)



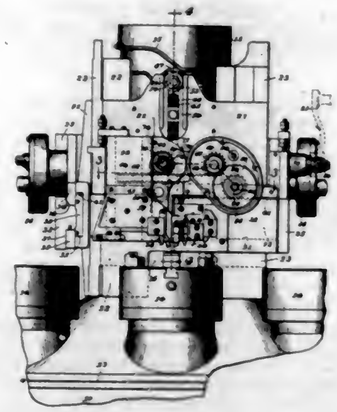
3. A refrigerator comprising a case, a refrigerating compartment at one end of the case, a display compartment adjacent thereto, a refrigerant container within the refrigerating compartment, internal pockets formed in the upper part of the refrigerant container, said pockets adapted to receive and hold a quantity of refrigerant, an air chamber between said pockets, open troughs running transversely of the side of the refrigerant container adjacent to the display compartment of the refrigerator case adapted to receive liquid discharged from the refrigerant container through said air chamber, an open drip pan located in the bottom of the display compartment of the refrigerator case, and pipes communicating the troughs with the open drip pan.

1,631,578. RECORDING INSTRUMENT. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 1, 1925. Serial No. 33,944. 3 Claims. (Cl. 234—1.)



1. In a recording instrument comprising a meter pointer, means for supporting and advancing a record sheet, a transfer medium interposed between the record sheet and the pointer, and means for intermittently depressing the latter to cause the transfer medium to make a mark on the record sheet, the improvement which consists in a flexible shield interposed between the needle and the transfer medium.

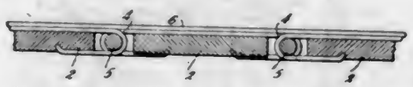
1,631,579. TOOL-SLIDE MECHANISM. EDWARD P. BULLARD, Jr., Stratford, Conn., assignor to The Bullard Machine Tool Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 8, 1924. Serial No. 691,334. 18 Claims. (Cl. 29—38.)



1. In a tool slide mechanism, a support, a pair of tool slides mounted on said support and adapted to have angular movement with respect to each other, a common drive means, gear means between said common drive means and one of said slides, gear means between said first gear means and said other slide, and means for manually connecting and disconnecting said gear means, whereby said slides may be manually reciprocated independently of each other.

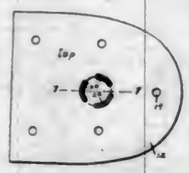
15. In a tool slide mechanism, a vertically movable saddle, a plurality of tool slides mounted to reciprocate thereon, a rack carried by said saddle, gearing carried by said saddle meshing with said rack and adapted to reciprocate said tool slides, means adapted to reciprocate said rack, and means adapted to lock said rack to said saddle and to release it at a predetermined point, and whereby initial reciprocatory movement is imparted to said saddle and tool slides as a unit and secondary movement in different directions is imparted to said tool slides independently of said saddle.

1,631,580. BELTING. WILLIAM M. CAVANAUGH, New York, N. Y. Filed Dec. 8, 1923. Serial No. 679,284. 2 Claims. (Cl. 74—64.)



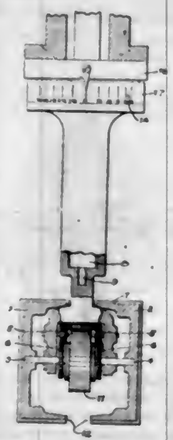
1. Belting comprising leather vertebræ each of which is of a length equal to the width of the belting and extending transversely of the belting, sets of non-extensible connecting members attached to said vertebræ, each set of connecting members comprising a plurality of members lying side by side and extending longitudinally of the belting and transversely of the said vertebræ the connecting members of one set overlapping the adjacent set of connecting members said overlapping ends being given a reverse bend to form loops the ends of which are embedded in the said leather vertebræ and means passing through the loop portions of the overlapping ends of the connecting members to attach the connecting members of one vertebra to the connecting members of the adjacent vertebra to provide a non-extensible articulated structure.

1,631,581. NAILING PLATE FOR LASTS. HENRY O. DAVIS, Plymouth, Mass. Filed Sept. 16, 1926. Serial No. 135,767. 6 Claims. (Cl. 12—140.)



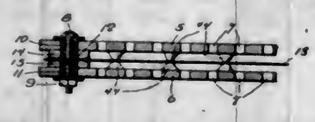
1. As an article of manufacture, a nailing-plate having a puncture-resisting clinching portion and a puncturable nail-engaging portion surrounded by and interlocked with the clinching portion, said portions being positively connected, so that the plate is attachable as a unit to a last.

1,631,582. DEVICE FOR MILLING POLYGONAL HOLES. PAUL DEMMEL, Frankfort-on-the-Main-Rodelheim, Germany. Filed Dec. 4, 1925, Serial No. 73,133, and in Germany Jan. 31, 1922. 10 Claims. (Cl. 90—11.)



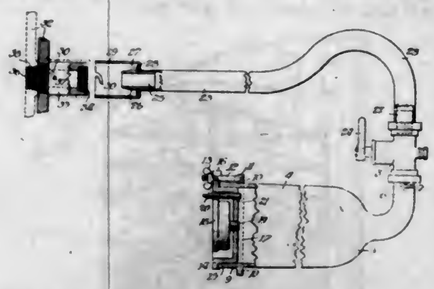
1. A device for milling polygonal holes comprising two spaced coaxial roller milling cutters and a plurality of roller milling cutters intermediate said two cutters with their axes parallel to that of the cutters first mentioned.

1,631,583. CAPACITATIVELY-ACTUATED LOUD SPEAKER. JOHN DEPEW, New York, N. Y., assignor to Ignatz Lauter, New York, N. Y. Filed Feb. 12, 1926. Serial No. 87,974. 6 Claims. (Cl. 179—106.)



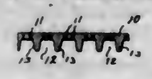
1. A device of the class described comprising two plates of conducting material spaced apart and insulated from each other, an acoustical diaphragm made of insulating material and located between said plates of conducting material, and means for subjecting said plates of conducting material to varying potentials in order to cause said plates to attract and repel said diaphragm and thus to actuate said diaphragm.

1,631,584. DIRECT MIXER. FRANK DIETRICH, JOHN DIETRICH, and WILLIAM E. MINER, Chicago, Ill. Filed June 1, 1926. Serial No. 112,801. 6 Claims. (Cl. 221—74.)



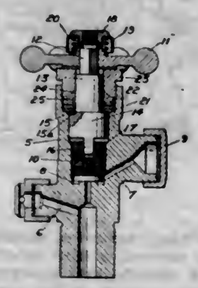
1. A mixer of the type described, comprising a container adapted to hold a leak-preventing fluid and having a relatively large filling opening in the top thereof, a detachable closure for said opening, said closure having means permitting air under pressure to be supplied to the container, said container being symmetrically tapered from top to bottom to facilitate the discharge of fluid therefrom, the bottom portion of said container converging to a funnel-shaped member, the discharge end of which extends laterally from said container and is provided with a valve to control the discharge of fluid from the container.

1,631,585. SCREEN PLATE. WILLIAM L. D'OLIER and THEODORE TOHLIN, Philadelphia, Pa.; said Tohlin assignor to said D'Olier. Filed Nov. 1, 1921. Serial No. 512,046. 1 Claim. (Cl. 210—169.)



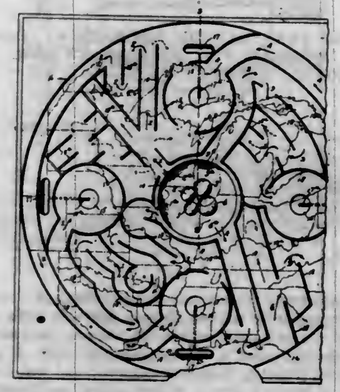
A screen plate having a plurality of uniformly spaced parallel clearance spaces in the back thereof, said spaces being relatively long and narrow, and relatively long and narrow screening slits in the front of the plate and parallel to said spaces and arranged in groups, each group comprising a plurality of said slits side by side with the slits in each group communicating with one of said clearance spaces, the distance between the slits comprising each group being less than the distance between the groups.

1,631,586. VALVE. JOHN S. FORBES, Pittsburgh, Pa., assignor, by mesne assignments, to Kerotest Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 9, 1923. Serial No. 637,653. 2 Claims. (Cl. 251—48.)



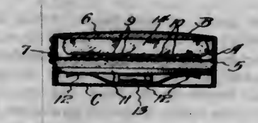
1. A valve including a body having a valve chamber therein, a plug screwed into the valve chamber, a valve stem having a hand wheel and a tang, said tang engaging the plug for turning it, a seating shoulder on the stem, a fibre washer in the valve body around the stem and above the seating shoulder, a mass of packing material above the fibre washer, a rigid member interposed between the fibre washer and the packing and vertically movable relatively to the stem, and a nut having a lower beveled portion to receive a portion of the mass of packing material, said nut acting to force the washer down into sealing relation with the seat and simultaneously compressing the mass of packing material about the stem.

1,631,587. PUZZLE OR GAME. ERNEST W. GATES, Needham, Mass. Filed Oct. 12, 1926. Serial No. 141,050. 5 Claims. (Cl. 273—116.)



1. A symbolic puzzle comprising a base on which balls may roll when the base is manipulated to incline it, a central depression in the base symbolizing a broadcasting station, a plurality of pockets in the base, grouped around the central depression, a continuous curb surrounding the portion of the base containing the depression and the pockets, a plurality of loose balls corresponding in number to the pockets and symbolizing radio signals, inscribed annunciator members associated with the pockets, each member being normally concealed and movable to a displayed position by a ball arrested by a pocket, each pocket and the accompanying annunciator member symbolizing a receiving station, and baffle members symbolizing static, projecting above the base and arranged to cause each ball to move in an irregular course from the central depression to a pocket, and to cause each ball to take a different course from that of any other ball, the relative arrangement of the central depression and the pockets being such that the manipulation of the base required to cause the movement of a ball to either pocket, differs from that required to cause the movement of a ball to any other pocket.

1,631,588. VANITY CASE. LESLIE J. GREENWALD, Chicago, Ill. Filed Dec. 13, 1926. Serial No. 154,331. 2 Claims. (Cl. 132—83.)



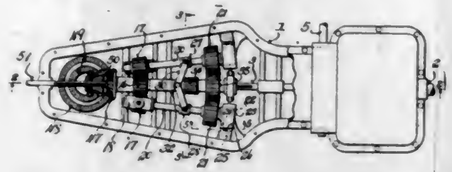
1. A vanity case in which is provided a loose material compartment having one side formed by a sifter plate wherein are parallel slits with intervening bars extending angularly in parallelism in a single direction whereby to

present upper and lower edges sharply to the associated contents, and means whereby to press a body of loose material against one set of edges of such angular bars, substantially as described.

1,631,589. ANTHRAQUINONE PASTE AND METHOD OF MAKING THE SAME. WILLIAM M. GROSVENOR and VICTOR P. GERSHON, New York, N. Y.; said Gershon assignor to said Grosvenor. Filed Oct. 10, 1921. Serial No. 506,788. 9 Claims. (Cl. 260—57.)

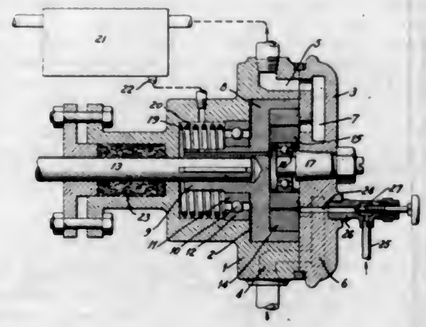
1. The improved anthraquinone paste, comprising a mixture of sublimed anthraquinone and water, and capable of holding about 80% of water without substantial separation thereof on standing.

1,631,590. TRANSMISSION MECHANISM. JAMES C. HEYDA, Pittsfield, Wis. Filed Oct. 11, 1926. Serial No. 140,860. 6 Claims. (Cl. 74—58.)



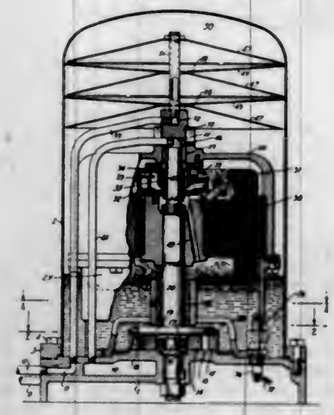
2. A transmission mechanism comprising a shaft having a sliding sleeve splined thereon provided with a large gear and a small gear, means for shifting said sleeve, a second shaft having a rigidly mounted gear, a pair of jack shafts pivotally mounted adjacent one end and provided with gears meshing with said last mentioned gear and having gears adapted to mesh with either the large gear or the small gear.

1,631,591. COMBINED LIQUID AND AIR PUMP. EBENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed June 7, 1926. Serial No. 114,136. 5 Claims. (Cl. 103—6.)



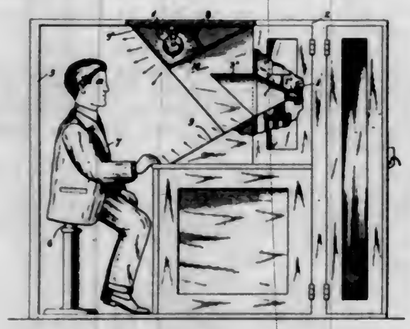
1. A rotary pump comprising a casing containing a pumping chamber, an annular toothed rotor and a pinion rotor rotatable in said chamber, said annular and pinion intermeshing and mounted in eccentric relation with the latter having fewer teeth than the former, whereby pockets that open and close are produced between the teeth as the rotors turn, a discharge port opening through the casing from the path of contracting pockets, and a plurality of intake ports opening through the casing to the path of the pockets, between the teeth as said pockets expand.

1,631,592. ROTARY PUMPING MACHINE. EBENEZER HILL, North Stamford, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 1, 1926. Serial No. 132,941. 15 Claims. (Cl. 230—30.)



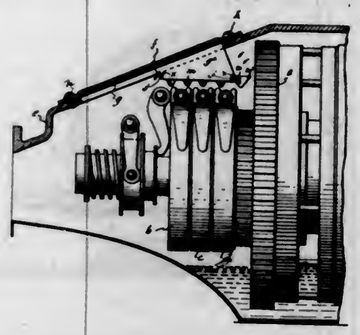
1. A pumping machine comprising intermeshing toothed pumping elements eccentric with relation to each other and mounted to rotate in a horizontal plane, a shaft extending vertically upward from the pump rotor, and an electric motor mounted above the pumping elements with its rotor fixed to said shaft and adapted to rotate in a horizontal plane with its weight transmitted by the shaft to the pump rotor.

1,631,593. PHOTOGRAPHIC APPARATUS. ANATOL M. JOSEPHO, New York, N. Y., assignor to Photomaton Inc., New York, N. Y., a Corporation of New York. Filed Mar. 27, 1925. Serial No. 18,662. 4 Claims. (Cl. 95—82.)



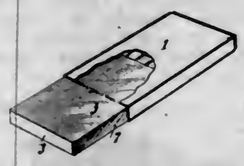
1. In photographic apparatus, lighting means comprising a lighting element, a light reflector disposed rearwardly of said lighting element and forwardly inclined relatively to the position of the subject to be photographed and a rearwardly inclined light reflector disposed below said first named mirror, as and for the purpose set forth.

1,631,594. OIL FILTER. EMIL KAEGI, Detroit, Mich., assignor to Dawson J. Burns, Bronxville, N. Y. Filed May 24, 1924. Serial No. 715,509. 4 Claims. (Cl. 184—11.)



2. In a vehicle power unit, the combination of a transmission case, a plurality of transmission elements including transmission bands and a fly wheel running in an oil well all contained within the transmission case, and a filtering unit removably supported in the transmission case, and comprising a plurality of filtering portions arranged each to drip the filtered oil over the transmission bands.

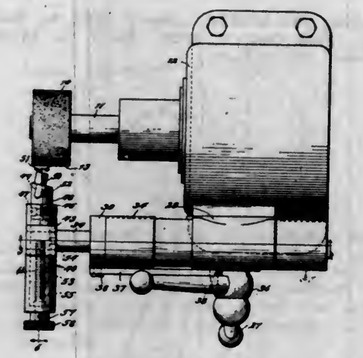
1,631,595. PAPER BOX. CARL H. KAPPES, New York, N. Y., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 22, 1923. Serial No. 614,062. 1 Claim. (Cl. 229—11.)



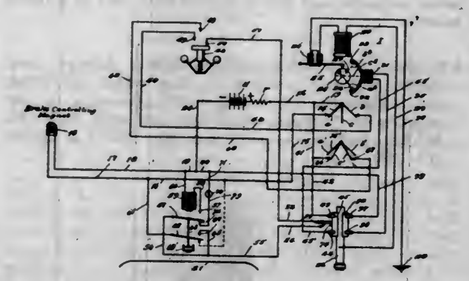
A packing and display box for pencils and the like, comprising a box member formed from a single blank, comprising a body portion having side flaps, a bottom covering flap integral with the body portion, and having side flaps, the corresponding side flaps of the body and covering flap overlapping for stiffening the box longitudinally, a top covering flap, hinged to the body portion at the other end of the blank, the total length of the two covering flaps being less than the length of the body portion, whereby a display opening it formed near the middle of the box, and a tubular cover slidable over the box member, the tubular cover being about half as long as the box member, whereby it will cover the display opening, or may be slid to the bottom end of the box member for uncovering the display opening and releasing the top covering flap for displaying the goods.

1,631,596. WHEEL-DRESSING MECHANISM. HERBERT E. KEMPTON, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed July 12, 1923. Serial No. 650,988. 10 Claims. (Cl. 125—11.)

1. A wheel dressing mechanism having, in combination, a pivotal body, lugs on said body, means for engaging said lugs to limit the pivotal movement of said body, means for locking said body in position, a reciprocable sleeve mounted in said body, means for reciprocating said sleeve, a rod adjustably mounted in said sleeve, a casing supported by said rod, a tool rod mounted in said casing, a cutting tool supported by said tool rod, and means for adjusting the position of said tool rod at right angles to the direction of reciprocation of said sleeve.



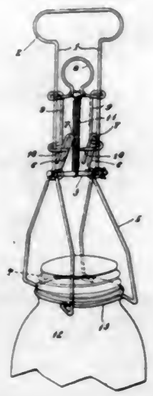
1,631,597. TRAIN-CONTROL SYSTEM. ALLEN B. KENDALL, Niagara Falls, and BENJAMIN W. MEISEL, Crestwood, N. Y., assignors to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,569. 18 Claims. (Cl. 246—182.)



1. In a manual-automatic speed control system for vehicles, a vehicle carried mechanism comprising a device for controlling the movement of the vehicle, an indicating means operable in response to roadside conditions for producing a "clear" or "non-clear" indication, means under the control of said indicating means in "clear" indicating position for producing a normal operation of the said device, additional means under the control of the speed of the train and of said indicating means in "non-clear" indicating position for controlling the operation of the said device so that when and only when the indicating means is changed from its "clear" to its "non-clear" position and the speed of the vehicle is at or below a permissive speed, the said device may be operated by intervention of the engineman to maintain its normal operation but without such intervention and with the change of the indicating means to the "non-clear" position the device will be automatically operated to reduce the speed of the vehicle, such automatic operation persisting regardless of the subsequent decrease of speed of the vehicle below the permissive speed, and manual means under the control of the engineman for operating the said

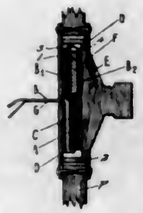
additional means to restore the normal operation of the device when the speed of the vehicle has been reduced to or below the said permissive speed so as to permit vehicle movement at or below such speed.

1,631,598. JAR LIFTER. JOHN F. LEHR, Sr., Baltimore, Md. Filed Nov. 10, 1926. Serial No. 147,406. 5 Claims. (Cl. 294—28.)



1. A jar lifter comprising a substantially vertical member, a depending bowed member rigid with respect to said vertical member, an oppositely bowed member pivoted to the lower part of said vertical member, opposite inwardly directed concaved jaws at the lower ends of said bowed members, and means to hold said jaws in gripping position.

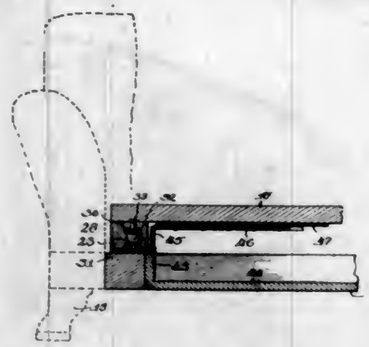
1,631,599. VARIABLE CONDENSER. AUGUST LEIB, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Sept. 14, 1923, Serial No. 662,612, and in Germany Aug. 17, 1922. 3 Claims. (Cl. 175—41.5.)



1. A variable condenser comprising a rotatable dielectric, a condenser plate fixed on one side of said dielectric, a stationary liquid condenser plate on the other side of said dielectric, and fluid means for preventing undesired motion of the liquid condenser plate, due to its sensitiveness to shock and vibration.

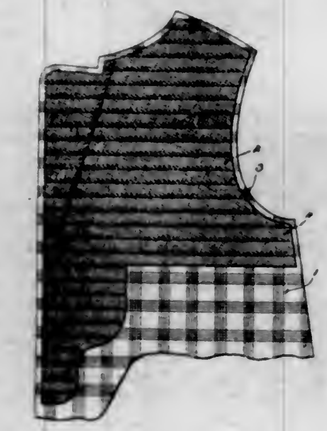
3. In combination, a panel having an opening therein and an annular bearing member fixed to said panel, a rotatable dial within said opening having an annular journal portion cooperating with said bearing member and also having a knob and an indicating portion extending from said knob to said journal portion, said dial containing means for varying a constant of an electric circuit.

1,631,600. DAVENPORT BED. THEODORE S. MORRISON, Chicago, Ill. Filed Aug. 14, 1924. Serial No. 731,977. 1 Claim. (Cl. 5—58.)



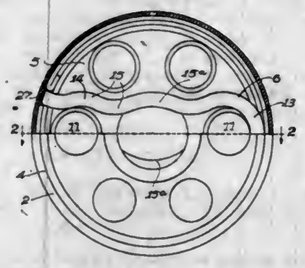
A davenport having a main frame and supporting legs adjacent the corners thereof, an upholstered seat portion, telescoping guide means at opposite ends of said seat portion permitting limited extension thereof substantially its own width forwardly of said main frame, a receptacle carried in fixed position on said main fr me between and below said guide means and beneath said seat portion, a removable cover for said receptacle hinged along the rear edge thereof, said frame having its sides formed of inverted L-shaped metal pieces extending vertically above said receptacle to a level with the top of said telescoping guide means, and being provided with resilient spring means substantially flush with the tops of said L-shaped pieces extending thereacross.

1,631,601. REENFORCED FABRIC FOR GARMENT CONSTRUCTION. ERNEST M. ORLOW, Milwaukee, Wis., assignor of one-half to Arthur J. Schmitt, Milwaukee, Wis. Filed Nov. 15, 1924. Serial No. 750,139. 1 Claim. (Cl. 2—97.)



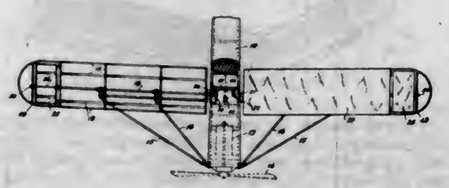
In a coat, the combination of a body portion formed of fabric with the threads running horizontally and vertically, a stiffener for the front thereof extending across the lapel to the arm pit and to the seam below the arm pit, said stiffener being formed of fabric with its threads running diagonally in all portions of the stiffener both in the lapel and in the body portion, and horizontal lines of stitching attaching said stiffener to said body portion.

1,631,602. SNAP FASTENER. JULIUS C. PETERSON, Elgin, Ill. Filed Apr. 10, 1922. Serial No. 551,167. 19 Claims. (Cl. 24—218.)



1. In a snap fastener socket, in combination, spaced discs, registering sewing holes in said discs, and lips bent down around the edges of said holes to define tubular passageways through both discs.

1,631,603. AEROPLANE. LAURENCE RAYNOLDS, New York, N. Y. Filed June 27, 1924. Serial No. 722,684. 4 Claims. (Cl. 244—12.)



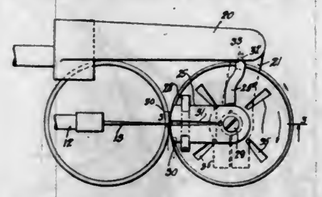
1. In an aeroplane, the combination of a fuselage, a plurality of main sustaining planes pivotally mounted thereon, mechanism whereby said main planes are capable of being swung as units on their pivots from normal sustaining positions through arcs of not less than 90° and locked in adjusted positions, ailerons combined with said planes and adjusting means independent of said mechanism for adjusting said ailerons independently of said main planes.

1,631,604. ROOFING ELEMENT. THOMAS ROBINSON, Babylon, N. Y., assignor to Anaconda Sales Company, a Corporation of Delaware. Filed Nov. 21, 1923. Serial No. 675,998. 3 Claims. (Cl. 91—68.)



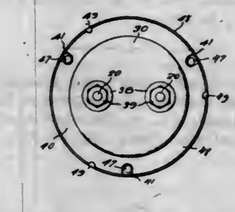
1. A roofing element which comprises a substantially rigid body of compressed cork particles bound together by the adhesive resinous constituents thereof, and a layer of finely divided metallic particles adhesively affixed to the surface of the body.

1,631,605. NEEDLE PLATE FOR FUR-SEWING MACHINES. HARRY ROSS, New York, N. Y., assignor to Fur Guide Machine Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1926. Serial No. 129,898. 4 Claims. (Cl. 112—16.)



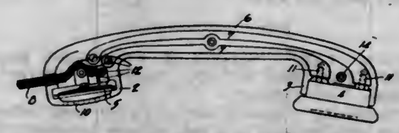
1. In a sewing machine, a bearing, a material feeding disk, rotatably mounted on the said bearing, a needle plate associated with the said feeding disk, a reciprocating needle associated with the disk, and a resilient member on the needle plate bearing against the disk to prevent the said disk from tipping upwardly into the path of the needle.

1,631,606. CASING FOR ELECTRICAL MEASURING INSTRUMENTS. WALTER M. SCOTT, Lakewood, and RALEIGH E. TRESISE, Cleveland, Ohio. Filed Jan. 7, 1922. Serial No. 527,552. 7 Claims. (Cl. 220—82.)



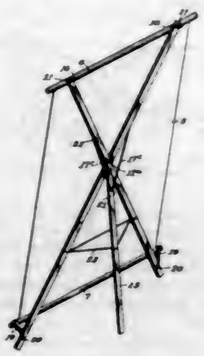
6. A casing for an instrument of the character set forth comprising two members, the abutting edges of each of said members being provided each with a flange and each of said flanges being provided with a plurality of apertures, the apertures in one of said flanges being adapted to align with the apertures in the other of said flanges, a plurality of projections formed on one of said flanges, the other of said flanges having a plurality of notches therein extending to and including the edge thereof, said projections being adapted to enter the last mentioned notches and engage the other flange through relative rotary movement of said members whereby to fasten said members together and bring the first mentioned notches in alignment whereby to receive means for preventing relative rotation of said members.

1,631,607. HAND TELEPHONE. OTTO SOLDAN, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt, near Berlin, Germany. Filed Sept. 11, 1925, Serial No. 55,641, and in Germany Dec. 5, 1924. 7 Claims. (Cl. 179—103.)



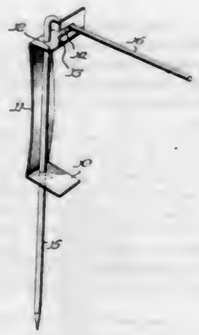
1. A hand telephone having a handle consisting of two detachably mutually connected halves, each half provided at its ends with hollow places for the reception of the microphone and receiver.

1,631,608. STAND FOR POSTERS. CHARLES F. WALLACE, Westfield, N. J., assignor to Wallace & Tiernan Products, Belleville, N. J., a Corporation of New Jersey. Filed May 4, 1925. Serial No. 27,916. 18 Claims. (Cl. 40—125.)



17. In combination with a flexible poster, pivotally connected crossed braces for supporting the same in extended relation, a support for said braces and spring means for tensioning the braces and the support in the poster supporting position.

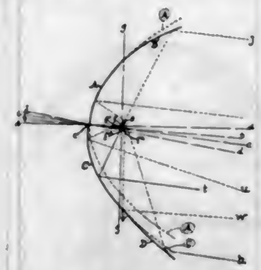
1,631,609. GAUGE AND SUPPORT FOR BARS. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 4, 1925. Serial No. 66,750. 9 Claims. (Cl. 91—8.)



1. In a device of the class described, the combination of a stake and a stop member, said stop member having a bowed body and laterally projecting apertured ends adapted to receive said stake, the bowed body being in contact with said stake.

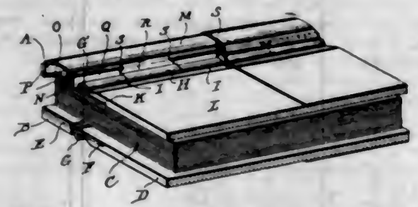
1,631,610. LAMP. WILLIAM H. WOOD, South Euclid, Ohio. Filed June 20, 1924. Serial No. 721,148. 5 Claims. (Cl. 240—41.)

1. In a lamp, a concave one piece sheet metal reflector located with its main axis substantially horizontal, and a light source located therein and displaced above such axis, the upper heel portion of said reflector conforming substantially to a parabola whose axis coincides with the first named axis, the portions of said reflector adjacent its mouth and forward of said light source consisting of paraboloid segments leaned downwardly as regards the paraboloid surface defined by said heel portion, and the



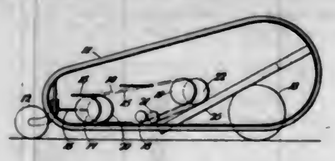
focal points of said sections all located in the region of the parameter of the paraboloid surface defined by said heel portion.

1,631,611. CASING AND METHOD OF MAKING THE SAME. CLINTON B. ALEXANDER, Washington, D. C. Filed Apr. 15, 1922. Serial No. 553,117. 17 Claims. (Cl. 129—23.)



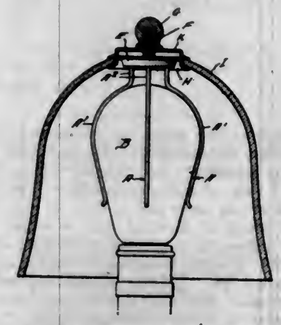
13. The process of forming a binder casing comprising forming a channeled member with flat side walls in converging relation and a second channeled member with flat side walls in diverging relation, each of said channeled members being of uniform cross section from end to end, compressing together the end portions of the walls of said second channeled member and inserting them within an end of said first channeled member with said channeled members in inverted relation, and sliding said channeled members together longitudinally.

1,631,612. MACHINE FOR HARVESTING FLAX AND OTHER PLANTS. SIDNEY ALLINGHAM, London, England, assignor to Robert Boby Limited, Bury St. Edmunds, England, a British Company. Filed June 18, 1925. Serial No. 37,901, and in Great Britain Oct. 6, 1924. 3 Claims. (Cl. 55—66.)



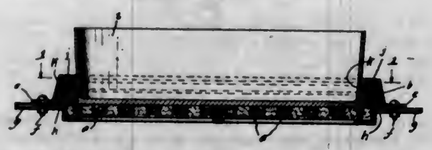
1. In a travelling machine for uprooting flax and other fibre producing plants, means for erecting the stalks of said plants before their natural connection with the ground is disturbed, in combination with uprooting devices adapted to seize said stalks after erection, said erecting means comprising an endless flexible needle carrier adapted to move in a vertical plane, said carrier having an inclined operative portion travelling in a direction approximately opposite to that of the advance of the machine and a return portion vertically superposed over said inclined portion, said carrier being arranged obliquely in relation to the advance of the machine and provided with a series of substantially horizontal needles projecting transversely from the plane of the path of the carrier and pointing throughout their forward and return travel toward the ungathered crop, each of said needles being adapted to rise in free contact with any stalks of the crop it may encounter and to rub along said stalks lengthwise thereof to erect said stalks and then leave them free to be seized by said uprooting devices, the oblique arrangement of the carrier causing the needles thereon to be consecutively protruded beyond the side of the machine and retracted into the machine solely by the travel of said carrier.

1,631,613. SHADE HOLDER. LAURITZ W. ANDERSEN, Waterbury, Conn. Filed July 18, 1925. Serial No. 44,432. 6 Claims. (Cl. 240—138.)



1. A shade holder comprising a plurality of bulb engaging wires having their upper ends bent at an angle, a center to which the upper ends of said wires are connected, said center comprising a pair of telescoping shells said wires being arranged between said shells with their angled ends effectng an interlocking engagement one with the other, a threaded stud connected to said center, and a detachable supporting member arranged upon said center and stud, and a knob screwed upon said stud and securing said member upon said center and stud.

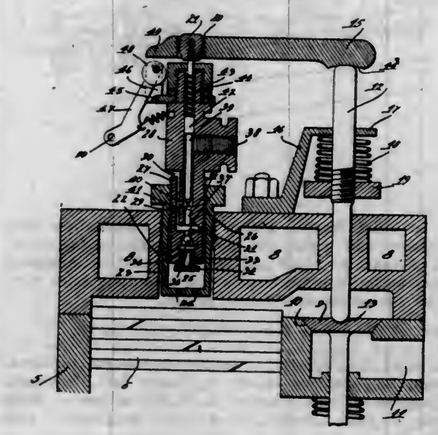
1,631,614. HEATING DEVICE. HART W. ATWOOD, Portland, Oreg. Filed July 13, 1925. Serial No. 43,268. 6 Claims. (Cl. 219—43.)



1. An attachment for a heating element comprising a ring-like housing adapted to be mounted thereon, having substantial height, the interior diameter of said housing being of such size as to exactly accommodate the utensil to be heated, and heat resisting, resilient insulation included interiorly of said ring-like housing and adapted to form a heat seal with the exterior of said utensil.

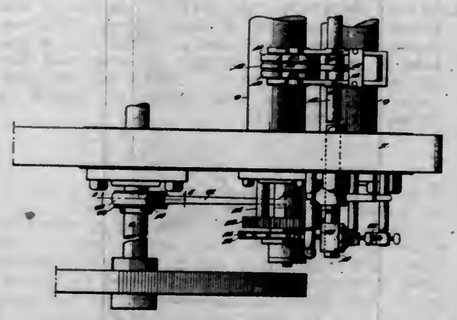
1,631,615. INTERNAL-COMBUSTION ENGINE. JOSEPH EDW. BLANDINO, New London, Conn., assignor of one-half to Patrick B. McNamara, Groton, Conn. Filed Jan. 10, 1923. Serial No. 611,753. 3 Claims. (Cl. 123—33.)

1. An internal combustion engine including a cylinder, a hollow valve supporting member removably supported within the cylinder and having openings to establish communication between the cylinder and valve supporting member, a valve casing within the support, said valve casing having a longitudinal bore and having a lateral bore establishing communication between the first mentioned bore and atmosphere, a vertically movable valve in the bore for controlling the passage of fuel to the



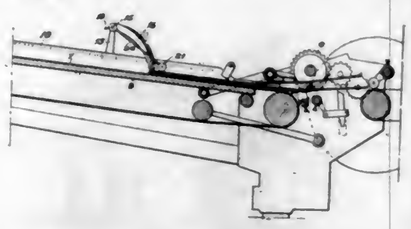
valve support, a rocker arm connected with the valve at a point intermediate the ends of the rocker arm, means at the outer end for moving the rocker arm to operate the valve, and adjustable means arranged adjacent to the valve casing for engagement with the rocker arm to throw the rocker arm into and out of operation.

1,631,616. COUNTING AND INDICATING MECHANISM. ALBERT BROADMEYER, Harrisburg, Pa., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Jan. 2, 1923. Serial No. 610,357. 7 Claims. (Cl. 93—93.)



1. Article counting mechanism, comprising a movable indicting device, and means for operating it, including an endless flexible belt, means for giving a step-by-step movement to the belt, means for varying the amount of each step movement of the belt, an actuating element carried by the belt and an actuated element located in the path of the actuating element and connected to the indicating device.

1,631,617. SHEET-RETARDING MEANS FOR SHEET-FEEDING APPARATUS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa., a Corporation of Pennsylvania. Filed Nov. 28, 1923. Serial No. 677,455. 12 Claims. (Cl. 271—18.)



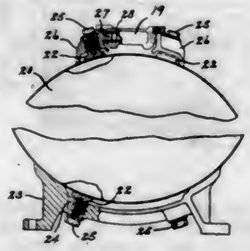
1. In sheet feeding apparatus, the combination with a support and means for delivering sheets therefrom, of a plurality of freely and relatively movable retarding fingers having a common mounting and by gravity resting on the sheets at different points.

1,631,618. UNDERLIFT. ALBERT BROADMEYER, Harrisburg, Pa., assignor to W. O. Hickok Mfg. Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed July 2, 1925. Serial No. 41,160. 11 Claims. (Cl. 33—39.)



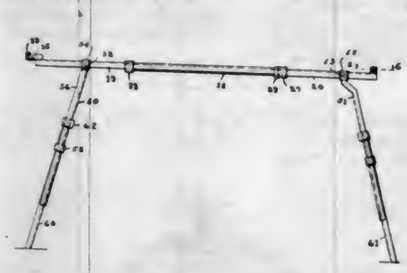
1. The combination with a pen beam, of an underlift for a pen carried thereby, said underlift comprising a pen-engaging element and a flexible arm carrying the element, and means for flexing the arm to cause the element to engage and disengage the pen.

1,631,619. PUMPING APPARATUS. GEORGE A. BUSINGER and CLARENCE WARNER, Dayton, Ohio, assignors to Delco Light Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Mar. 19, 1923, Serial No. 626,174. Divided and this application filed Aug. 25, 1924. Serial No. 733,875. 6 Claims. (Cl. 103—218.)



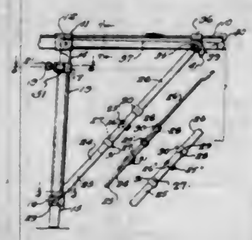
1. Pumping apparatus comprising in combination, a tank, a base structure, a pump support structure, and means for connecting one of said structures with the tank including a threaded member permanently attached to the tank and a threaded member co-operating therewith for securing the tank to one of said structures.

1,631,620. KNOCKDOWN BED FRAME FOR AUTOMOBILES. THOMAS E. CARRIGAN, Milwaukee, Wis. Filed Nov. 13, 1922. Serial No. 600,658. 5 Claims. (Cl. 5—114.)



1. A knock-down bed frame for automobiles comprising a pair of spaced longitudinally adjustable side members; a transversely adjustable end member vertically pivoted to one end of each of said side members; members vertically pivoted to the other end of each of said side members, one of which is provided with a recess; a second transversely adjustable end member pivotally carried by said vertically pivoted members for rotation about a horizontal axis; and slidable means carried by said second end member, adapted to enter said recesses and to prevent rotation of said end member.

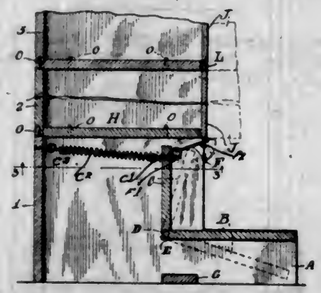
1,631,621. KNOCKDOWN BED FRAME. THOMAS E. CARRIGAN, Milwaukee, Wis. Filed May 14, 1923. Serial No. 638,862. 6 Claims. (Cl. 5—316.)



3. In a bed frame of the class described, a substantially horizontal frame member; a leg pivotally connected to said frame member; a collar slidably mounted on said frame member; a collapsible brace having one of its ends pivotally secured to said leg and its other end pivotally secured to said collar; means for preventing the collapsing of said brace; and means for preventing said collar from sliding on said frame member relative to said leg pivot.

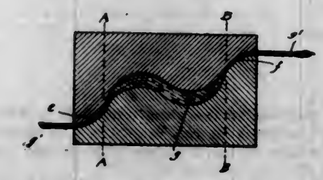
1,631,622. BOOKCASE. GEORGE BOWEN CLEVELAND, Mobile, Ala. Filed Oct. 22, 1925. Serial No. 64,265. 1 Claim. (Cl. 45—1.)

In a sectional book case, a base section open at the front, a pedal pivoted at its rear edge within the base section, a riser fixed to and extending upwardly from said rear edge, springs normally holding the pedal in substantially horizontal position and resisting depression of the pedal, book sections arranged one above the other with the lowermost book section resting on the base section, doors hinged to each of the book sections, the doors of each section being detachably connected to the



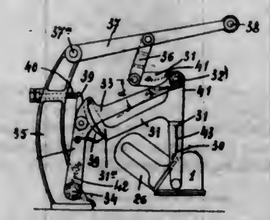
doors of the adjacent section for simultaneous movement, and links connecting the doors of the lowermost book section with said riser.

1,631,623. METHOD OF FORMING CUTTING TOOLS. ALBERT W. COCHRAN, Portland, Oreg. Filed July 13, 1925. Serial No. 43,285. 2 Claims. (Cl. 76—101.)



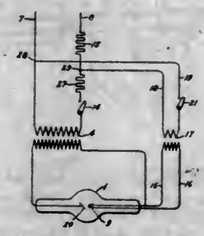
1. The improved method of producing a cutting tool consisting in placing a block of metal between companion dies whose working faces are shaped to form the tool to and including the cutting edge thereof and extended beyond said cutting edge to confine the flow of excess metal in substantial uniformity with the confinement at the cutting edge, whereby the grain of the metal is elongated through and beyond the cutting edge line to insure that said grain structure will be elongated transversely at the cutting edge line.

1,631,624. STAMPING AND REGISTERING APPARATUS. JAMES TIBURCE FELIX CONTI and PHILIPPE HENRI LOUIS TIRANTY, Paris, France. Filed Aug. 14, 1924, Serial No. 732,050, and in France Aug. 18, 1923. 8 Claims. (Cl. 101—328.)



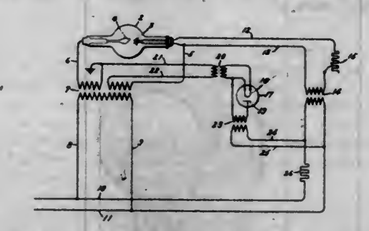
1. A stamping and registering apparatus comprising: a closed and sealed casing, an opening in said casing, a rotary printing cylinder mounted within said casing in such a manner as to project slightly from the outer plane of said opening, an inking roller, recesses and plain portions provided on the inking roller and the printing roller respectively, gearings provided between the inking roller and the printing cylinder in order to rotate both devices at the same rate, and means to prevent the printing roller turning backwards.

1,631,625. REGULATING METHOD AND APPARATUS. WILLIAM D. COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 30, 1923. Serial No. 615,952. 7 Claims. (Cl. 250—34.)



1. An apparatus for maintaining substantially constant voltage at chosen points in a circuit subject to voltage variations comprising a voltage-consuming device, an electron discharge device having substantially constant vacuum conditions, connections for supplying current from said circuit to said device in series with said voltage-consuming device, means for varying the current drawn by said discharge device in such measure when voltage variations occur in said circuit that the voltage drop in said voltage-consuming device will vary in magnified measure with said voltage variations and a second voltage-consuming device in said circuit between a point of connection of said voltage-consuming device and a point at which constant voltage is desired.

1,631,626. REGULATOR FOR ELECTRICAL DISCHARGES. WILLIAM D. COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 30, 1923. Serial No. 615,953. 10 Claims. (Cl. 250—34.)

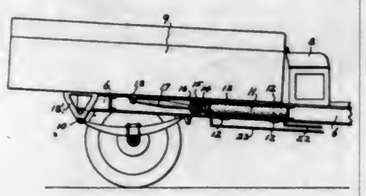


1. The method of controlling the current value of an electron discharge which consists in producing an independent electron discharge, varying the current-carrying capacity of said second discharge in accordance with the variations of current to be regulated, producing a substantial drop of voltage by said second discharge proportional to the current value thereof, and varying the electron-generation at the cathode of said first discharge inversely with said voltage drop.

1,631,627. DUMPING TRUCK. JAMES P. EGHOLM, Chicago, Ill. Filed Aug. 21, 1925. Serial No. 51,566. 1 Claim. (Cl. 298—22.)

In a device of the class described a truck chassis frame including generally parallel, inwardly channelled frame members lying in a generally horizontal plane, a dumping body pivotally mounted at the rear of said truck chassis

frame and arranged to rest upon the frame when in normal position, and means for raising and lowering said body about said pivot, including a plurality of hydraulic cylinders and pistons therein, said cylinders and pistons being located within the space bounded by the horizontal

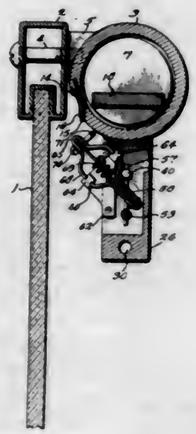


planes in which lie the upper and lower edges of the frame members, an actuating connection between the outer ends of said pistons and the dump body, and rollers connected with the free ends of the piston rods, riding in the chassis frame member channels, and adapted to guide the pistons in parallelism with said channels.

1,631,628. COLORING GRANULATED MINERAL, PARTICULARLY SLATE. HARRY C. FISHER, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed July 21, 1925. Serial No. 45,133. 4 Claims. (Cl. 91—70.)

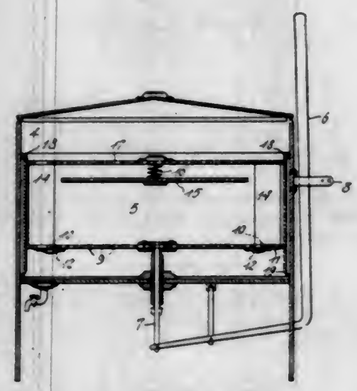
1. In a process of coloring mineral granules, those steps which consist in wetting mineral granules sufficiently to coat them with a water solution of silicate together with an insoluble pigment in minute division, and then roasting the mineral with agitation, to a heat which shows a reddish color.

1,631,629. WINDSHIELD CLEANER. FREDERICK G. FOLBERTH and WILLIAM M. FOLBERTH, Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Filed Mar. 21, 1923. Serial No. 626,654. 13 Claims. (Cl. 121—164.)



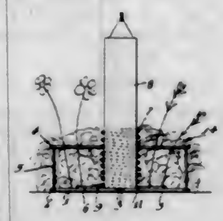
1. In a suction operated motor for windshield cleaners, a casing, a piston member arranged in said casing, said casing being provided with a slot, wiper actuating member extending through said slot and connected to said piston member, and means for normally closing said slot.

1,631,630. WASHING MACHINE. FRANK J. GENSLEY, Victor, Iowa. Filed July 2, 1923. Serial No. 649,076. 2 Claims. (Cl. 68—37.)



1. In a machine of the class described, a tub, a reciprocating container in the tub, open top conduits in the container and spring actuated valves in the conduits.

1,631,631. TABLE DECORATION. GERTRUDE GERLINGER, Montebello, Calif. Filed Feb. 16, 1926. Serial No. 88,532. 4 Claims. (Cl. 41—12.)

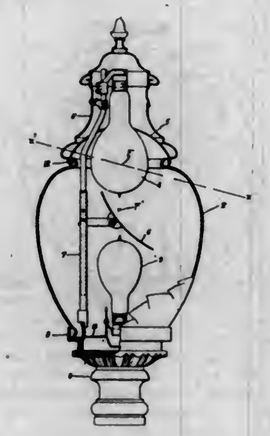


1. A table decoration consisting of a holder formed of wire and operating to hold moss or the like, and a candle-holder attached to the moss-holder and disposed within the same so that the candle-holder is surrounded by the moss held in the moss-holder.

1,631,632. LIGHTING UNIT. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 28, 1925. Serial No. 12,425. 1 Claim. (Cl. 240—25.)

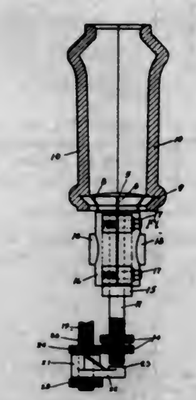
In a lighting unit, an ellipsoidal reflector and a pair of light sources located along the axis of the reflector, an auxiliary concave reflector located across said axis, one of said light sources being located at one of the focal

regions of the ellipsoidal reflector, said auxiliary reflector having a focal region coincident with another focal region of the ellipsoidal reflector, said ellipsoidal reflector serv-



ing to produce a beam along the axis of the unit and the auxiliary reflector serving to produce a beam diverging from the axis of the unit.

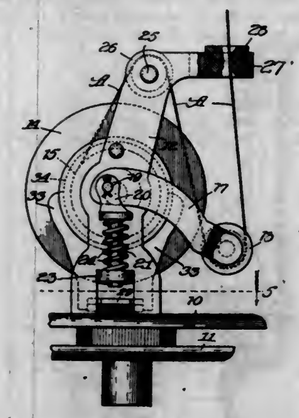
1,631,633. GLASS-FORMING APPARATUS. ORIN A. HANFORD, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed July 9, 1923. Serial No. 650,337. 6 Claims. (Cl. 49—65.)



1. In a device for forming hollow glass articles the combination of a mold and a bottom plate, said bottom plate having a molding surface of plaster of Paris.

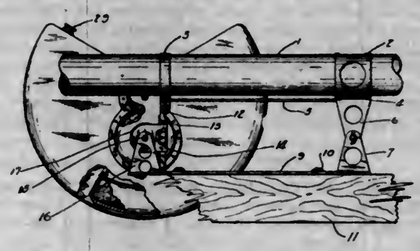
1,631,634. BRAIDING CARRIER. ARTHUR C. HOPKINS, Niles, Mich. Filed Sept. 10, 1925. Serial No. 55,467. 4 Claims. (Cl. 96—18.)

1. In a braiding carrier, a base, a standard rising therefrom, a laterally projecting arm adapted to receive a spool of wire, a sheave and a guide adjacent the spool, a lever arm adapted to swing about an axis substantially coincident with the axis of the spool, a sheave carried thereby, means for braking said spool including a member having an annular groove operably associated with said spool, a brake shoe operable in said groove, a plunger



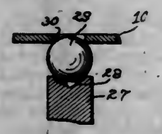
operable by said lever, a member operably connected to said brake shoe and operable by said plunger to release said braking means.

1,631,635. PENDULUM-CONTROLLED SIGHT. ROBERT KAUCH, Dayton, Ohio. Filed Feb. 13, 1923. Serial No. 618,822. 5 Claims. (Cl, 33—46.5.)



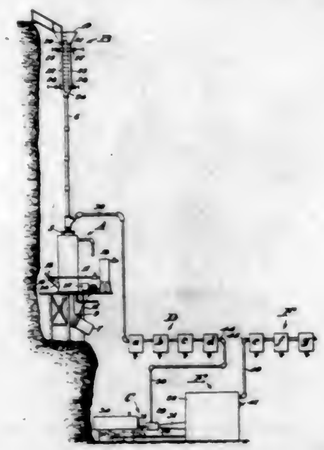
1. In a device of the character described, a mobile base, a sight member pivotally mounted on said base, a pendulum whose motion relative to said base is adapted to move said sight member to control the angular relation of said sight to said mobile base, and reduction gear means between said pendulum and said sight member controlling the degree of movement of the pendulum to be transmitted to said sight member.

1,631,636. VARIABLE CONDENSER. EARLE BARNES LEWIS, Waterbury, Conn. Filed June 17, 1925. Serial No. 37,700. 8 Claims. (Cl. 250—41.)



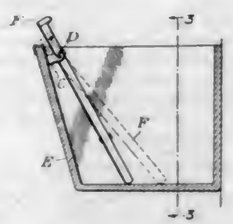
8. In a variable condenser having alternately arranged movable and stationary contact plates, a supporting frame, a post for supporting said stationary plates, said post having a recess in its end, and an insulated ball seated in said recess, said supporting frame having a seat for the outer side of said ball, whereby electrical leakage will be reduced to the minimum.

1,631,637. PROCESS OF DISTILLING OIL SHALE. CARL T. LOUGHREY, Los Angeles, Calif. Filed May 5, 1921. Serial No. 467,157. 1 Claim. (Cl. 202—16.)



The method of distilling oil shale consisting in moving a column of finely divided oil shale in a downward direction introducing a heating medium into the column of shale to distill the shale, withdrawing the distillation vapors by suction in a direction opposite to the direction of the moving column of shale, directing a liquid under pressure into the withdrawn distillation vapors so as to create said vacuum, collecting the liquid with the absorbed distillation vapors, recirculating said liquid to the point of injection of the liquid into the distillation vapors.

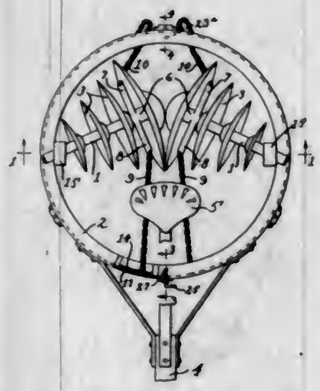
1,631,638. ADJUSTABLE WASHBOARD SUPPORT. EMMA A. MCCLAFERTY, Los Angeles, Calif. Filed Apr. 6, 1926. Serial No. 100,071. 1 Claim. (Cl. 68—29.)



In a wash board support, a body member provided with means for engaging the top edge of a tub, slotted ears projecting inwardly from said body member, a wash board having pins projecting outwardly from each side of said board and adapted to engage the slots in said ears to hold the board at various predetermined angles to suit the requirements of the user.

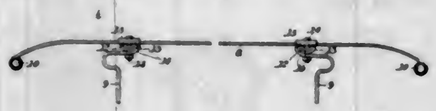
1,631,639. DITCHING MACHINE. WILLIAM H. MCDONALD, Overton, Nev. Filed June 21, 1926. Serial No. 117,304. 5 Claims. (Cl. 37—98.)

1. In a ditching machine, the combination of a frame adapted to be drawn over the ground, a pair of shafts supported on the frame and converging toward each other toward the rear of the frame, said shafts having a plurality of cutter discs of different diameters with



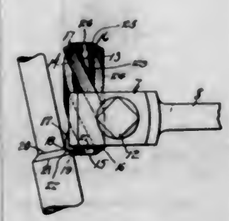
the larger discs disposed toward the rear ends of the shafts, and means connecting the rear ends of the shafts with the frame for limiting their rearward movement.

1,631,640. AUTOMOBILE BUMPER. WILLIAM R. MCGOWEN, McKees Rocks, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Oct. 8, 1926. Serial No. 140,303. 13 Claims. (Cl. 293—55.)



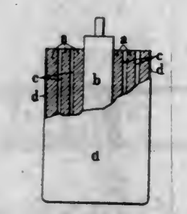
1. Bumper structure, comprising an impact-receiving bar having an offset portion intermediate its ends, a member formed to fit said offset portion, and means for securing said member to a supporting member.

1,631,641. CUTTING TOOL. JOHN H. MONTGOMERY, Hartford, Conn. Filed Mar. 1, 1923. Serial No. 622,231. 8 Claims. (Cl. 29—95.)



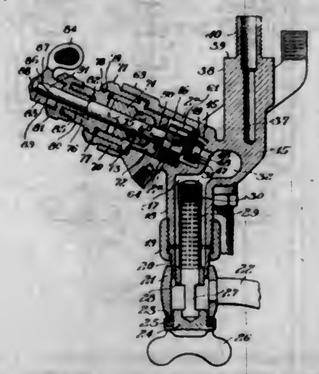
1. A cutting tool comprising a body, a rib extending spirally about said body, and a cutting edge forming the cutting extremity of said rib and straight from its inner to its outer edge, said cutting edge being formed with an angle gradually varying in degree along said edge from one end to the other thereof.

1,631,642. POSITIVE ELECTRODE FOR ELECTRIC BATTERIES. RENÉ OPPENHEIM, Levallois-Perret, France, assignor to Société Anonyme le Carbone, Levallois-Perret, France. Filed Jan. 3, 1925, Serial No. 428, and in France Nov. 19, 1924. 9 Claims. (Cl. 136—136.)



1. A process of manufacturing positive electrodes with an agglomerated depolarizer for electric batteries consisting in preparing a depolarizing composition by mixing manganese dioxide, plumbago and wood charcoal, moistening the said mixture with a concentrated solution of ammonium chloride, compressing this composition tightly around the carbon positive electrode, forming in this agglomerate channels designed to permit of the access of the outer air to the interior of the depolarizing composition, evaporating the liquid with which this latter is moistened, covering the external surface of the depolarizing agglomerate with a colloidal pectized coating.

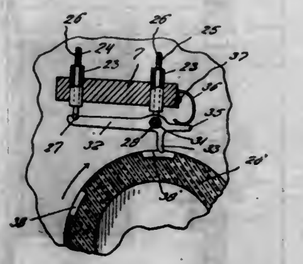
1,631,643. VALVE. ALPHONSE F. PIEPER, Rochester, N. Y. Filed June 23, 1924. Serial No. 721,685. 7 Claims. (Cl. 277—7.)



1. A multiple valve comprising a casing having a valve chamber therein provided with an inlet port and spaced outlet ports, a rotary spindle extending into said chamber, a valve body rotated by said spindle for cooperation with said outlet ports and movable toward and from the latter transversely of said spindle, said parts being arranged for connecting said outlet ports selectively with said inlet port and spring means connecting said spindle and valve body for maintaining the latter in contact with the chamber wall in which said outlet ports are formed.

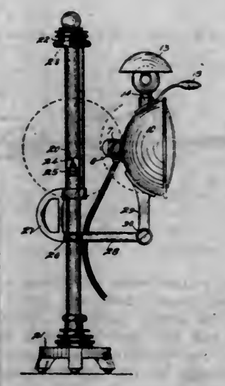
7. In a multiple valve, a casing having a plurality of outlets and a supply passage, valve means controlling said outlets and passage, a supply line communicating with said passage and having an external opening in line with the latter, and a detachable screen unit comprising a sleeve threadedly engaged with the casing between said passage and supply line, a cylinder of foraminous material fixed on the sleeve and extending into said passage and having a detachable inner end closure, an externally accessible head for supporting said screen and closing said supply line opening through which said screen is inserted and removed, and means connecting said head and sleeve arranged to afford communication from said supply line to the interior of said screen cylinder.

1,631,644. TIME-OPERATED CIRCUIT CLOSER. GEORGE F. RAUCH, Pukwana, S. Dak. Filed May 19, 1925. Serial No. 31,827. 2 Claims. (Cl. 200—27.)



1. A circuit closing mechanism, comprising a supporting structure, a bar member mounted on said supporting structure, a plurality of circuit closing mechanisms mounted in spaced relation on said bar member, each of said mechanisms including a pair of insulating sleeves mounted in spaced relation in the bar member, rods mounted in said insulating sleeves, said rods having lateral projections from corresponding ends thereof, a switch member pivotally mounted on the lateral extension of one of said rods and formed for engagement with the lateral extension of the other rod, said switch member having a lateral extension therefrom, and resilient means mounted on the bar member normally engaging the switch member to operate said switch member to engage the lateral extension of the bar member.

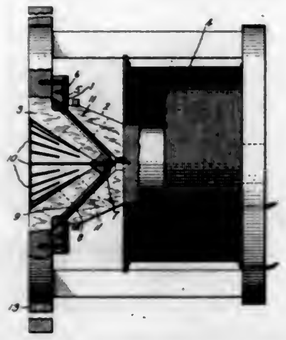
1,631,645. ILLUMINATING AND HEATING DEVICE. JAY J. REKAR, Los Angeles, Calif. Filed Jan. 31, 1925. Serial No. 6,044. 12 Claims. (Cl. 219—34.)



1. In combination, in an electric, portable heater, a supporting column, a handled slide, having a bracket

arm, on said column, and a heating structure adjustably supported on the slide to change the angle of direction of the heat beam, said slide being counterbalanced on the column.

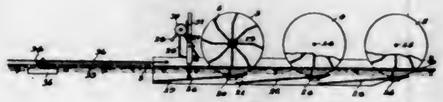
1,631,646. SOUND-REPRODUCING APPARATUS. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 27, 1924. Serial No. 702,452. 17 Claims. (Cl. 179—115.)



1. The combination in a sound reproducing apparatus of a diaphragm, actuating means for said diaphragm and a baffle surrounding said diaphragm, said baffle having such configuration as to materially decrease the solid angle into which energy will be radiated from said diaphragm without at the same time introducing resonant effects which would modify materially the sound reproduction.

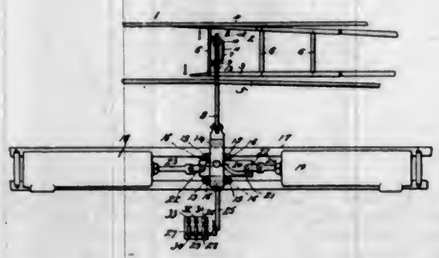
12. A diaphragm for sound reproduction comprising a sheet of rubber of conical form in which an actuating coil is embedded, said diaphragm having at its base a flange formed by an extension of the rubber sheet, said flange extending at a right angle to the axis of the diaphragm.

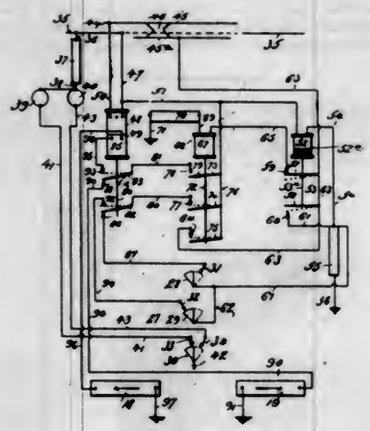
1,631,647. CURRENT MOTOR. HARVEY W. ROBINSON, New Orleans, La. Filed Sept. 29, 1925. Serial No. 59,425. 1 Claim. (Cl. 170—104.)



In a current motor device comprising a float, an undershot wheel, and current deflecting plates arranged to cooperate with the wheel, one plate extending rearwardly of the wheel and one plate extending forwardly of the wheel, means for pivotally connecting the plates in spaced relationship to the wheel, consisting of a supporting element secured in a suitable location to the float underneath the wheel, the inner edge of both the forward and rear plate being pivoted to the supporting element, and means for raising and lowering the plates.

1,631,648. SWITCH AND SIGNAL SYSTEM. ROBERT M. ROBINSON, Louisville, Ky., assignor to Cheatham Electric Switching Device Co. Inc., Louisville, Ky., a Corporation of Kentucky. Filed Mar. 29, 1923. Serial No. 628,573. 13 Claims. (Cl. 246—228.)

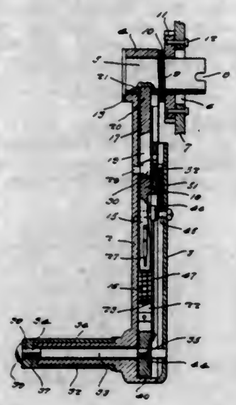




13. In an electric switch operating device a solenoid for operating a track switch, a source of power, a trolley pan; a normally energized slow release relay controlling the operation of said solenoid and means for shunting said slow release relay controlled by the position of the track switch.

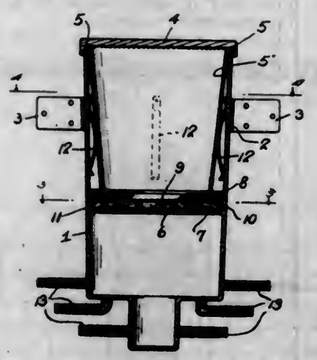
1,631,649. ANTIKICK AUTO CRANK. NELS SALO, Watton, Mich. Filed July 30, 1926. Serial No. 125,989. 2 Claims. (Cl. 123—185.)

2. An anti-kick automobile crank comprising in combination, a rotatable crank bar, a hollow body member, a sleeve formed on the upper end of the hollow body member and rotatably mounted on the crank bar, a slidable plunger mounted in the upper portion of the hollow body member, said crank bar being provided with a notch for the reception of the upper end of said plunger member whereby the hollow body member will be locked to the crank bar for simultaneous actuation, means for normally urging the slidable plunger member upwardly into cooperative relation with said crank bar, a pawl and ratchet mechanism for releasing the plunger from said notch when a back fire occurs, means for retaining



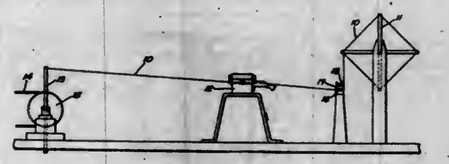
the slidable plunger in a retracted position, and additional means for actuating the last mentioned means to effect the return of the slidable plunger to its normal position.

1,631,650. LUBRICATING MEANS FOR AUTOMOBILE CHASSIS. DALE M. SIX, Los Angeles, Calif. Filed Oct. 23, 1925. Serial No. 64,458. 1 Claim. (Cl. 184—7.)



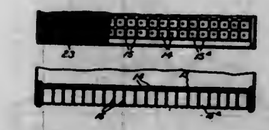
A lubricating reservoir of the character set forth, comprising an outer casing having supports thereon, an annular flange internally secured to the sides of the casing above the lowermost wall thereof, an oil container supported by the annular flange, a filtering member seated on the flange beneath the container, an adhesive ring seated upon the filtering member and having an aperture therein registering with an outlet aperture in the container, resilient means retaining the oil container in spaced relation to the interior walls of the casing, and nipples on the lower part of the casing.

1,631,651. METHOD OF MAKING TUBING. CHARLES SKOGLUND, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 31, 1922. Serial No. 533,072. 10 Claims. (Cl. 91—68.)



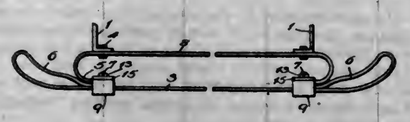
2. The method of giving tubular form to fabric tubing flattened into a ribbon which consists in inserting a ball in the tubing, and then passing the tubing through a die so as to force the ball therethrough.

1,631,652. SUCTION DEVICE FOR MICA COATING MACHINES. RICHARD SPRENGER and HERMANN CONRADT, Hennigsdorf, Germany, assignors to General Electric Company, a Corporation of New York. Filed Oct. 17, 1925, Serial No. 63,157, and in Germany Jan. 9, 1925. 4 Claims. (Cl. 154—25.)



1. A suction device for mica coating machines and the like, comprising a member provided with a plurality of apertures arranged to present a high resistance to the entrance of air when uncovered, said apertures being enlarged at their outer ends to give high holding effect and being mechanically independent of each other so that one or more may be uncovered without opening the adjacent apertures.

1,631,653. BUMPER. OSCAR E. STOKES, Streator, Ill. Filed Nov. 19, 1923. Serial No. 675,579. 18 Claims. (Cl. 293—55.)

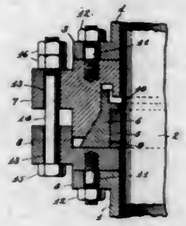


1. A bumper comprising a pair of bars, a tie member having its free ends turned back and slotted, a strip adapted to be arranged longitudinally of said tie member and having bolt holes therethrough, bolts extended through the ends of said bars and through said slots to interconnect said parts, and means on said tie member engageable to lock said bolt against rotation.

1,631,654. PACKING RING. OSKAR STOFFEL, Baden, Germany. Filed Feb. 3, 1922, Serial No. 533,837, and in Germany July 30, 1921. 1 Claim. (Cl. 286—39.)

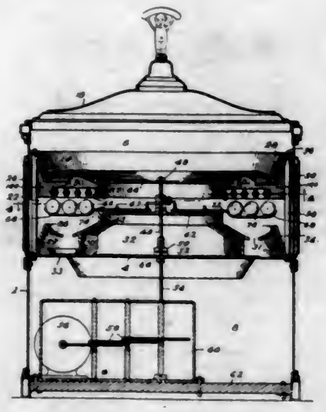
The combination with a tubular member and perforated lugs projecting therefrom, of a packing including a packing ring, a contractile metal ring receiving the packing ring and holding the same against longitudinal expansion, a longitudinally movable outer ring, a second

outer ring with which the first outer ring and said contractile ring telescopes, said last-mentioned ring being secured respectively to said lugs, means guiding the first outer ring and holding the same against possibility of



radial expansion, said first outer ring and said contractile ring having longitudinally beveled or tapering engaging faces, and means for moving the outer ring longitudinally.

1,631,655. BROILING APPARATUS. JAMES C. SUNDERLAND and JOHN F. COSTELOW, Kansas City, Mo. Filed Apr. 19, 1926. Serial No. 102,950. 8 Claims. (Cl. 126—41.)



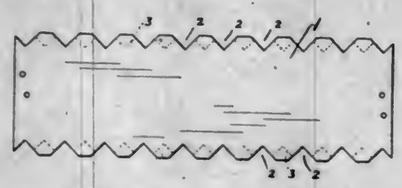
1. In an apparatus of the character described, an oven having an opening in its lower portion, an unbalanced carrier having horizontally disposed fingers for supporting food and arranged to travel around in said oven and dump the food at said opening, and means for restoring and retaining said carrier in normal position throughout the remainder of each revolution.

1,631,656. COMBINED MATTRESS AND BEDPAN. HELOISE SWEENEY, Richmond, Va. Filed July 24, 1926. Serial No. 124,733. 1 Claim. (Cl. 4—112.)



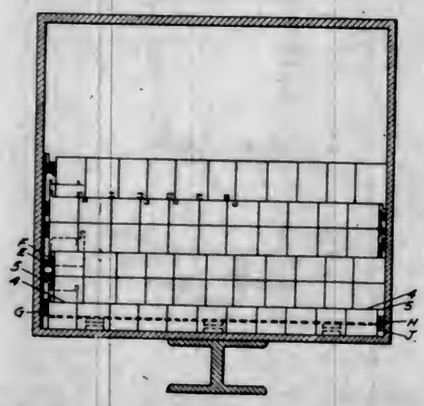
As a new article of manufacture, a bed pan especially adapted for use in association with a bed mattress, said pan comprising comparatively shallow receptacle of general rectangular configuration provided with an outstanding marginal supporting ledge provided at one end with a confining flange overhanging the bottom in spaced relation, said flange being shaped to conform to a part of the body adapted to contact it, a hingedly mounted plate at the opposite end of the receptacle adapted to be disposed in an upright position to function as an antisplash guard, said plate being provided with end stops to limit the downward swinging movement and to maintain it in flush relation with the top of the receptacle, and keeper pins carried by the side walls of the receptacle, together with pivotally mounted longitudinally bowed slotted retainers cooperable with said pins for maintaining said plate in operative position.

1,631,657. METHOD OF MAKING SAWS. LEWIS E. SWETT, York, Pa., assignor to Pennsylvania Stamping Corporation, York, Pa., a Corporation of Delaware. Filed Oct. 23, 1925. Serial No. 64,394. 2 Claims. (Cl. 76—29.)



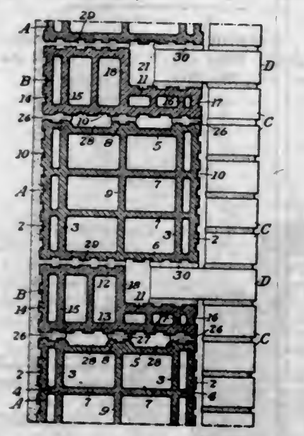
2. The method of making saws which consists in die cutting alternate tooth root spaces on both edges of a blank at a single operation, thereby providing burrs, inverting the blank, die cutting intermediate tooth root spaces on each edge of the blank at a single operation, thereby providing oppositely arranged burrs setting the teeth appropriately for presenting a burred portion of each tooth on the leading faces of the teeth, and separating the blank into two saws.

1,631,658. PROCESS OF LOADING BATTERY BOXES. HERBERT TREPZGER, Melrose Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed July 16, 1925. Serial No. 43,986. 9 Claims. (Cl. 105—369.)



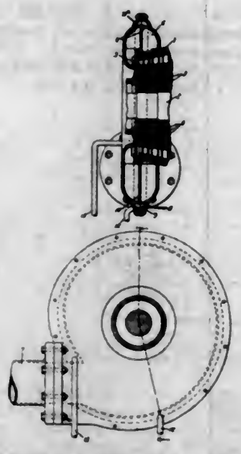
9. That process of packing battery boxes for shipment in a car which consists in disposing strips to hold rows of nested boxes in tiers of rows of alternately inverted and upright rows of boxes, with the handles of the boxes in the rows extended within boxes in adjacent rows and interspaced from end and compartment walls of the boxes in said adjacent rows, and providing blocks to support the strips to permit them to bear yieldingly against the rows of boxes.

1,631,659. WALL CONSTRUCTION. ROBERT G. WALLACE, Ben Avon, Pa., assignor to National Fire Proofing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 14, 1924. Serial No. 743,539. 3 Claims. (Cl. 72—41.)



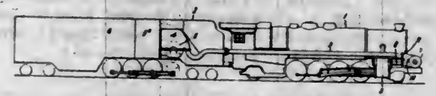
1. A composite wall comprising a brick facing on the outer face thereof, formed of a plurality of stretcher courses between spaced header courses, and a backing formed of alternate courses of hollow main and header tiles, the header tiles having recesses into which the inner portions of the header bricks of the facing extend, there being a web in each tile in close proximity to and parallel with the outer wall of each tile, at the inner face of the wall structure and sufficiently close to said outer walls of the tiles and the inner plane of the wall, that if the outer walls of some of the tiles spall off, the load bearing portions of the tiles from the webs of the said spalled tiles to the faces of the tiles adjacent to the brick facing will be of sufficient strength to support the load for which the wall was designed.

1,631,660. ELASTIC-FLUID TURBINE. GLENN B. WARREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 5, 1925. Serial No. 67,134. 9 Claims. (Cl. 253—76.)



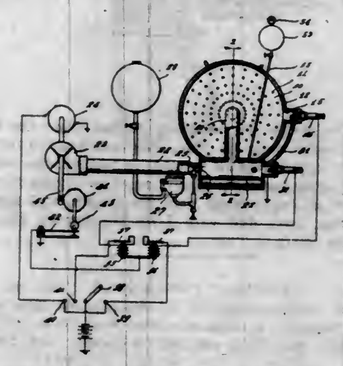
1. The combination with an elastic fluid turbine of an admission chamber from which elastic fluid is supplied to the turbine, said chamber having a curved wall, means for directing elastic fluid along said wall, means providing an annular liquid discharge chamber adjacent the first-named chamber and separated therefrom by said wall, and a slot in said wall connecting said chambers.

1,631,661. LOCOMOTIVE. GLENN B. WARREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 30, 1925. Serial No. 78,430. 5 Claims. (Cl. 105—38.)



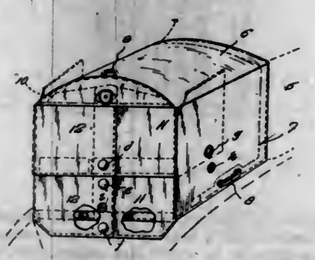
1. The combination with a locomotive comprising a high pressure engine, a low pressure condensing turbine, and auxiliaries, of a turbo-generator set for supplying power to drive the auxiliaries, said turbo-generator set and low pressure turbine being operated by exhaust elastic fluid from the high pressure engine.

1,631,662. OIL BURNER. JARL M. WEYDELL, Indianapolis, Ind., assignor of one-half to Edward E. Stout, Indianapolis, Ind. Filed Oct. 23, 1922. Serial No. 596,234. 19 Claims. (Cl. 158—28.)



1. In combination, a cup, a spark-plug having its electrodes within said cup, an air tube having its discharge end in position to blow air from a distance into the mouth of said cup, means for producing a blast of air through said air tube, and a fuel nozzle in position to discharge fuel into said air blast.

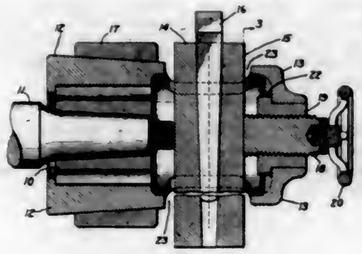
1,631,663. MOTOR-VEHICLE HOOD COVER. CHARLES WILHELM, Bayville, N. J. Filed Nov. 3, 1925. Serial No. 66,571. 3 Claims. (Cl. 257—132.)



1. An automobile hood cover comprising a body including an arched top shaped to conform to the top of the hood and radiator, a pair of depending side walls to

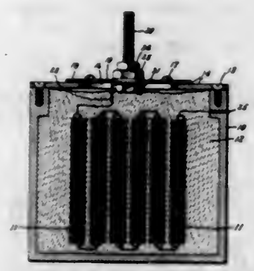
cover the sides of said hood, a web depending from the forward end of said top, a pair of swingably mounted radiator flaps carried by the forward ends of the side walls, the adjacent edges of said flaps being disposed in overlapping relation with the upper ends located beneath said web when said flaps are in operative position, and means for detachably connecting the overlapping ends of said flaps together.

1,631,664. PINION PULLER. JAMES L. WILLIAMSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 17, 1924. Serial No. 726,620. 4 Claims. (Cl. 29—85.)



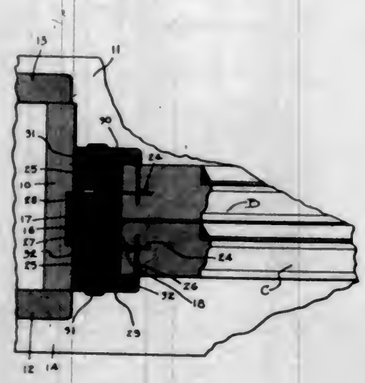
2. In a device for removing pinions from the ends of motor shafts and the like, the combination of longitudinally tapered jaws formed to engage the pinion, a ring engaging the tapered portion of said jaws for clamping them in engagement with the pinion, and means between the shaft and said jaws for forcing the pinion along the shaft.

1,631,665. ELECTRIC CONDENSER. WALTER R. G. BAKER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 7, 1921. Serial No. 442,942. 4 Claims. (Cl. 175—41.)



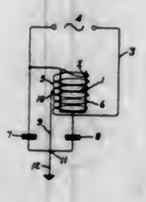
1. A device of the character described comprising condenser elements and a housing therefor containing fusible insulating material in which said elements are embedded, said housing comprising a metallic casing connected with one terminal of said condenser elements, a removable metallic cover plate for said casing having a central opening therein secured to said casing, a mica sheet secured to said plate to cover said opening, and a terminal member connected with the opposite terminal of said condenser elements and secured to said mica sheet centrally of said opening.

1,631,666. WINDOW. CHARLES E. BATEMAN, Minneapolis, Minn. Filed Oct. 5, 1926. Serial No. 139,630. 4 Claims. (Cl. 20—52.)



1. A window comprising a frame, a column positioned along said frame, a pair of sashes slidably mounted within said frame having the edges of the stiles thereof abutting against said column, one stile overreaching said column at one side thereof and the other stile overreaching the column at its other side, sliding friction strips attached to said sashes and adapted to co-act with said column, and guide strips attached to the sides of said column for bringing said sliding friction strips in frictional engagement therewith.

1,631,667. ELECTRIC-FURNACE SYSTEM. JOHANNES BECKMANN, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 3, 1927, Serial No. 172,446, and in Germany Aug. 19, 1926. 4 Claims. (Cl. 204—64.)



1. The combination with a high frequency electric furnace, of a high frequency coil therefor divided into sections, and condensers connected across said sections.

1,631,668. METHOD OF MAKING MOLDED ARTICLES. WILLIAM N. BAGGS, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 2, 1926. Serial No. 78,780. 6 Claims. (Cl. 18—55.)



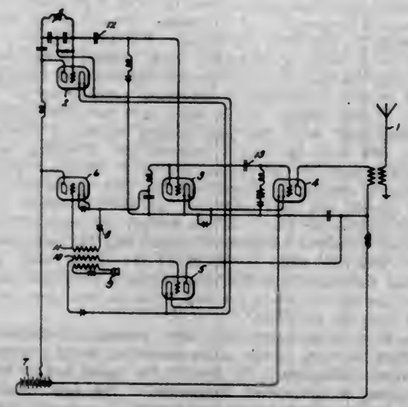
1. The method of forming a molded article which consists in loosely assembling a plurality of layers of sheet material, compressing said layers edgewise while cold into a solid mass having approximately the dimensions desired, and then further compressing said mass uniformly in all directions in a heated mold.

1,631,669. ELECTRIC FUSE. GEORGE R. BROWN, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed June 13, 1924. Serial No. 719,776. 2 Claims. (Cl. 200—135.)



1. A unitary fuse link comprising a sheet of metal having longitudinal apertures of differing lengths in the body thereof to provide multiple bars of different conductive capacities.

1,631,670. HIGH-FREQUENCY SIGNALING SYSTEM. IRVING F. BYRNES, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 11, 1925. Serial No. 29,304. 5 Claims. (Cl. 179—171.)

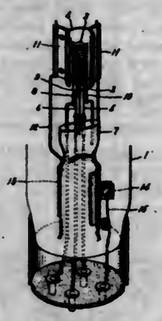


1. A transmitting apparatus for a high frequency signaling system comprising a source of high frequency oscillations, an amplifying tube having a plate circuit which includes an impedance of such value that normally substantially no current will flow therein, means for supplying high frequency oscillations from said source to the grid of said amplifier tube, means for lowering said impedance in response to signaling potential sufficiently to permit current to flow in the plate circuit of the amplifier, and means acting independently of said impedance for modulating the amplified high frequency currents.

1,631,671. WATERPROOF CEMENTING COMPOSITION. GUSTAVE F. DREHER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 8, 1922. Serial No. 542,082. 2 Claims. (Cl. 87—17.)

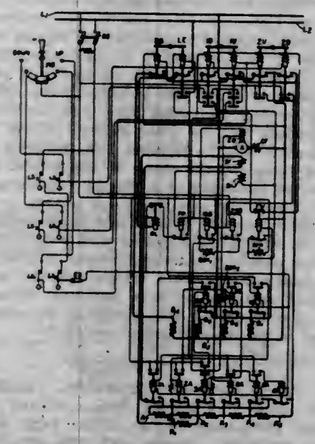
1. A cement comprising blood albumen, gelatine and hexamethylene tetramine.

1,631,672. VACUUM DISCHARGE APPARATUS. SAUL DUSHMAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 4, 1919, Serial No. 280,632. Renewed Sept. 29, 1923. 12 Claims. (Cl. 250—27.5.)



10. In a vacuum discharge device, an electrode having an opening therethrough and a plurality of heat radiating surfaces extending outwardly therefrom and in an axial direction along the entire length of the electrode.

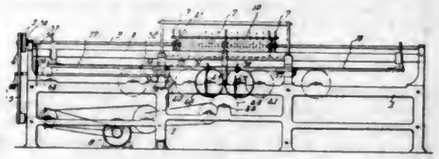
1,631,673. MOTOR-CONTROL SYSTEM. JOHN EATON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 26, 1925. Serial No. 58,940. 9 Claims. (Cl. 172—152.)



1. In combination in a system of motor control, means including a plurality of electromagnetic switches for controlling the motor speed, and connections through

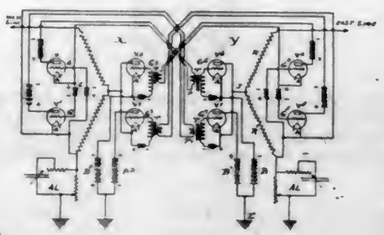
which said switches control the motor to at times exert a direct effect on the control of the motor speed and at other times a portion thereof serves solely as time element controlling means for other of said switches.

1,631,674. MACHINE FOR WORKING CYLINDRICAL MEMBERS OF FUSIBLE MATERIAL. PIERRE ANDRÉ FAVRE, Crosne, France. Filed Nov. 14, 1925, Serial No. 69,139, and in Belgium Dec. 19, 1924. 7 Claims. (Cl. 49—7.)



1. A machine of the class described comprising in combination gripping means for holding a rod of fusible material at a plurality of points, means for heating said rod intermediate said points, means for moving said gripping means so as to draw the fusible material and means for cutting the rod.

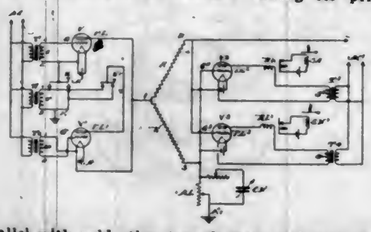
1,631,675. ALTERNATING-CURRENT TELEGRAPH REPEATER. JOHN P. FERRITER, Oceanport, and WESLEY T. GUEST, Eatontown, N. J. Filed Sept. 3, 1925. Serial No. 54,289. 1 Claim. (Cl. 178—56.)



A vacuum tube alternating current telegraph repeater comprising two alternating current quadruplex sets, each suitably arranged for the transmission and reception of four messages simultaneously, two in one direction and two in the other, means for repeating the signals received from the line of one set directly to the transmitting circuit of the other set, said means comprising in each set a pair of receiving and a pair of transmitting tubes, one of each pair of receiving tubes being adapted to receive negative impulses and the other of each pair to receive positive impulses from its adjacent line, the grids of said transmitting tubes and the plates of said receiving tubes being connected by means of a step-up transformer, the plate current from said receiving tubes causing, by means of said transformers, the grids of said transmitting tubes to take on an alternating potential with relation to their filaments and produce a pulsating current in their plates, a pair of equal-arm resistance bridges adapted to divide the pulsating currents in their adjacent transmitting tubes, half of said current being passed to the corresponding line and to the desired distant station.

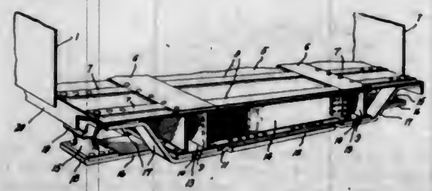
1,631,676. ALTERNATING-CURRENT TELEGRAPH SYSTEM. JOHN P. FERRITER, Oceanport, and WESLEY T. GUEST, Eatontown, N. J. Filed Sept. 3, 1925. Serial No. 54,290. 3 Claims. (Cl. 178—55.)

1. A system of telegraphy comprising a source of alternating current, means for utilizing the positive half-cycles of said current to operate a telegraph circuit and the negative half-cycles to operate a second telegraph circuit, said means comprising a pair of transmitting tubes, a pair of transformers each of which have their secondary windings connected to the grid of the adjacent tube, an intermediate transformer having its primary



in parallel with said other transformers and said current source, keying means associated with said intermediate transformer for producing, through said secondary, negative pulses to affect a plate current in one of said tubes and positive pulses to affect plate current in said other tube.

1,631,677. LOCOMOTIVE OR CAR BODY. BERTON A. GARRETT, Ballston Spa, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 21, 1925. Serial No. 76,590. 7 Claims. (Cl. 105—226.)



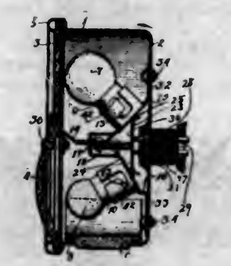
1. In a locomotive or car, a body frame comprising a bolster having spaced upper and lower plates, and a lifting lug secured between said plates.

1,631,678. COMBINATION REAR LIGHT FOR VEHICLES. CHARLES E. GODLEY, Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company, a Corporation of Wisconsin. Filed July 25, 1924. Serial No. 728,085. 10 Claims. (Cl. 177—329.)

1. In a lamp, a forwardly open casing, a partition dividing the casing into two compartments and having a pair of webs extending in diverging relation up to the back of the casing, means upon each web for holding a lamp bulb with the base thereof extending through that web into the space between the diverging webs and the back of the casing, a pair of circuit terminal members, means for supporting the said members from the casing and for insulating the said members both from each other and from the casing, two resilient conducting elements respectively connecting the said members with the axial terminals of the lamp bulbs, and means for supporting the said elements from the partition and for insulating the said elements from each other and from the partition.

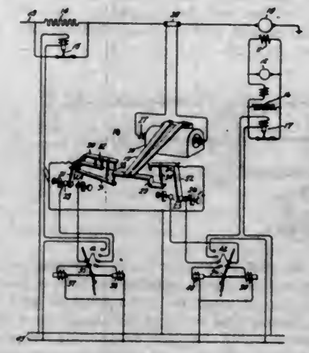
9. In a lamp, a forwardly open casing, a partitioning member mounted in the casing including means providing a chamber adjacent to the back of the casing and dividing the part of the casing forwardly of the said chamber into upper and lower compartments, a pair of circuit terminals extending through the back of the casing into the said chamber, means for supporting the said circuit terminals from the back of the casing and for insulating the circuit terminals both from each other and from the back of the casing, means upon the partitioning member for supporting two lamp bulbs with their bulbs respectively in the said upper and lower compartments and

with the base terminals both disposed in the said chamber, two resilient conducting members both disposed in the said chamber and each connecting one of the circuit terminals with one of the said base terminals, and means



carried by the partitioning member for supporting the said conducting members and for insulating the conducting members both from each other and from the partitioning member.

1,631,679. THERMAL RELAY. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Dec. 16, 1924. Serial No. 756,343. 9 Claims. (Cl. 200—122.)

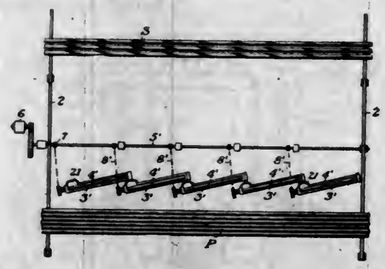


8. In a temperature protective relay for an electric translating device, the combination of a pair of pivotally mounted circuit controlling members, each having an "off" position between two circuit closing positions, an electrically heated heat storage mass having thermal characteristics substantially duplicating those of the mass of the electric translating device to be protected, a bimetallic thermal responsive movable element having one end secured in heat conducting relation with said mass, and means yieldingly connecting the other end of said element to each of said circuit controlling members to successively operate the same to each circuit closing position responsively to variations in the temperature of said storage mass from a predetermined value.

1,631,680. METHOD AND APPARATUS FOR MARKING ARTICLES. JOSEPH A. HALL, Jr., and OTTMAR M. TISHLARICH, Pittsburgh, Pa., assignors to A. M. Byers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 24, 1924. Serial No. 739,606. 16 Claims. (Cl. 91—12.)

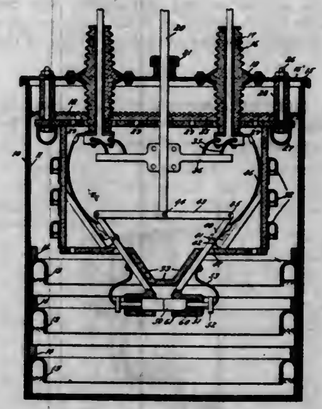
1. In the method of marking articles, the steps of rotating an article in contact with a coated roll and causing the contacting portion of the roll to move along the article while in rolling contact with each other to produce a spiral stripe on the article.

15. In the method of marking articles, the steps consisting of causing relative movement between a cylindrical article and a series of elongated coating rolls each having a length materially greater than the width of the mark it is desired to produce, and maintaining the axes



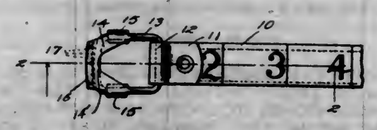
of the article and the rolls at angles to each other to cause the points of contact between the roll and article to travel along both the rolls and article to form spiral stripes on the article.

1,631,681. ELECTRIC SWITCH. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 20, 1922. Serial No. 601,955. 6 Claims. (Cl. 200—150.)



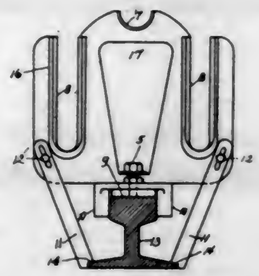
2. A fluid break switching apparatus comprising a tank, means forming a chamber within said tank, primary contacts separable within said chamber, secondary contacts separable beneath said chamber, and cushioning means in contact with the exterior surface of said chamber, the arrangement being such that pressure produced by an arc between said secondary contacts is absorbed by said cushioning means.

1,631,682. MEASURING DEVICE. GEORGE O. HOFFSTETTER, Fidelity, Ill. Filed Nov. 28, 1925. Serial No. 71,987. 1 Claim. (Cl. 33—137.)



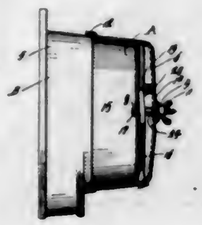
As an article of manufacture, an attachment for the terminal ring of a tape measure comprising a plate having a substantially V-shaped recess in one end, laterally extending tubular portions at the sides of the plate, and a transversely extending and angularly disposed toothed portion on the other end of the plate.

1,631,683. HOLDER FOR DRILLING MECHANISM. EDWARD C. HOLMES, Cincinnati, Ohio. Filed Sept. 8, 1925. Serial No. 54,884. 10 Claims. (Cl. 144—32.)



1. A holder for screw spike driving mechanism comprising in combination a base member adapted to support the holder, swivelling uprights with means for detachably securing the uprights in the base member and a pair of opposed elongated slots in the uprights adapted to guide spider arms of the driving mechanism, and means for aligning said base member on a rail, and means extended from the uprights adapted to prevent tilting of the holder.

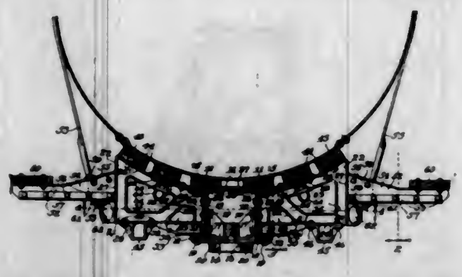
1,631,684. ELECTRIC-METER COVER. JOHN L. HOYLE, New Orleans, La. Filed Nov. 2, 1925. Serial No. 66,429. 4 Claims. (Cl. 171—34.)



1. The combination with an electric meter including a base and a transparent cover therefor, including a flange arranged to engage said base, of a protecting cover for the operating parts of the meter comprising a sheet metal body having an outer side wall arranged to engage the base inwardly of the flange of the transparent cover and of a width to extend across the inner face of the side wall of said cover to a point adjacent the front of the same, and a convex front wall covering substantially three-quarters of the lower forward portion of said protecting cover for overlying the operating parts of the meter and having a sight opening formed therein.

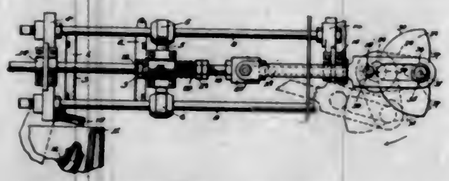
1,631,685. CAR UNDERFRAME. PAUL KLEMOFF, Chicago, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed Oct. 10, 1924. Serial No. 742,864. 8 Claims. (Cl. 105—362.)

1. A car underframe comprising a center-sill structure, bolster-members located at opposite sides of said center-sill and extending outwardly therefrom, said members being provided with webs and flanges extending crosswise thereof, each of said webs containing a plurality of openings therethrough so shaped as to cause each web to present a stress-resisting portion which inclines downwardly in a direction away from said center-sill, certain



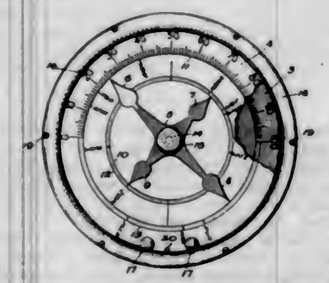
of said flanges being provided along the marginal edges of said apertures, and means connecting said members to said center-sill.

1,631,686. DIE-CASTING MACHINE. TORBJORN CONRAD KORSMO, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Original application filed Mar. 6, 1925. Serial No. 13,543. Divided and this application filed Feb. 5, 1926, Serial No. 86,285, and in Great Britain Oct. 28, 1925. 5 Claims. (Cl. 22—92.)



1. In a die casting machine, the combination of a pair of co-operating die parts adapted to form a mold, means for moving one of said die parts towards and from the other for closing and opening the mold, and means for causing said movable die part to dwell in its closed position and to begin its opening movement and end its closing movement abruptly with sudden transition to or from approximately its maximum speed of motion.

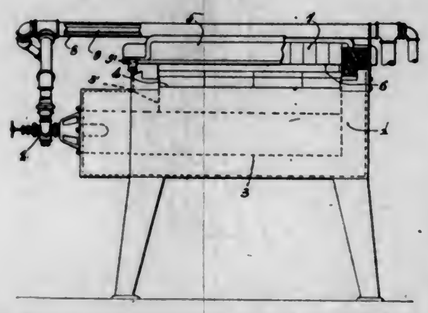
1,631,687. DIAL. RALPH H. LANGLEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 17, 1924. Serial No. 714,185. 3 Claims. (Cl. 116—129.)



1. The combination in a wireless apparatus of a shaft adapted to carry a tuning element and adapted to rotate through an angle of one hundred and eighty degrees, a

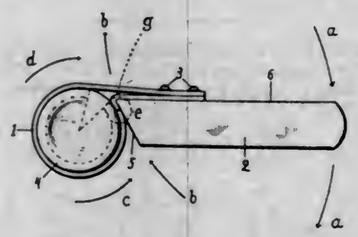
circular dial surrounding said shaft, a pointer on said shaft for indicating the angular position thereof, said pointer having four integral arms spaced ninety degrees apart, two of said arms which are spaced one hundred and eighty degrees apart being shorter than the other two arms and a pair of circles marked on said dial, one of said circles having a radius substantially equal to the length of the shorter arms and the other having a radius substantially equal to the length of the longer arms.

1,631,688. OIL-BURNING DEVICE. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 23, 1920. Serial No. 432,858. 13 Claims. (Cl. 158—4.)



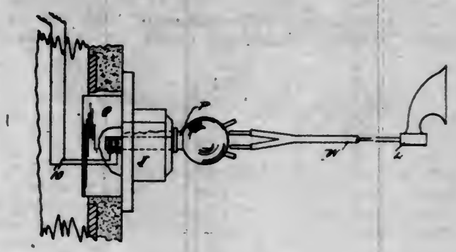
5. The combination with a furnace provided with a combustion chamber and an oil burner and a relatively long narrow flue for the escape of the waste products of combustion disposed over said combustion chamber, of means disposed over said flue for preheating the air and oil comprising independent supply pipes for each located directly over said flue, the pipe conveying oil being shielded by the other pipe from direct exposure to the waste products of combustion.

1,631,689. WRENCH FOR SCREW-TOP JARS. FELIX MOSER, Holland, Mich. Filed Apr. 7, 1926. Serial No. 100,337. 1 Claim. (Cl. 81—3.1.)



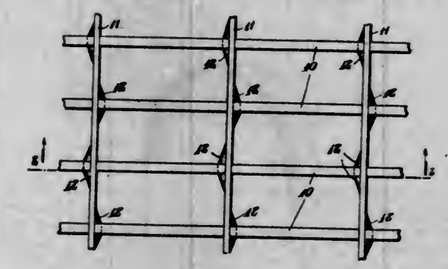
A jar-top wrench including a handle having opposite sides of different lengths and beveled or tapered at one end at an angle of about sixty degrees adjacent the longer side, and having a loop or strap of flexible material secured at both its ends to the said longer side of the handle, the said tapered end being adapted to press into the bight of the loop and draw it closely around the jar top thus enabling the strap to grip about nine-tenths of the object to be turned.

1,631,690. UNIVERSAL RADIO AND DIRECT-SERVICE SYSTEM. EDWARD MCLARTY, Sr., and STANLEY L. BLANKENSHIP, Los Angeles, Calif. Filed Sept. 2, 1925. Serial No. 54,059. 1 Claim. (Cl. 179—2.)



In a radio and telephone system, a line outlet device having line terminals, a key lock including contacts coordinate to the terminals, and a key-plug having conducting leads cooperating with the contacts to close a telephone receiver circuit.

1,631,691. CONNECTED BAR STRUCTURE. HARRY NAGIN, Brooklyn, N. Y., assignor to The Grating Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 28, 1926. Serial No. 84,311. 3 Claims. (Cl. 189—82.)



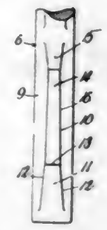
1. A connected bar structure comprising a plurality of girder bars having slots formed in a side thereof, and cross bars lying in the slots, a slot in one girder bar being of a different cross sectional shape than a slot in an adjacent girder bar which is engaged by the same cross bar, the portions of the cross bar which are engaged by the slots being permanently deformed to fit the slots.

1,631,692. FELTED FABRIC AND PROCESS FOR THE MANUFACTURE THEREOF. ELIO ADOLFO PEROGIO, Montelupone, Italy. Filed Nov. 21, 1922, Serial No. 602,479, and in Italy Dec. 8, 1921. 2 Claims. (Cl. 28—5.)

1. A process for the manufacture of a fabric composed of non-feltable material such as human hair and animal hair consisting in intermingling the hairs thor-

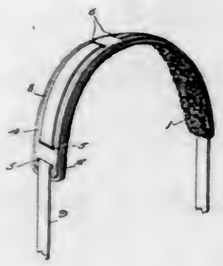
oughly moistened with a frothy lubricating emulsifying liquid in their natural state so as to form a stratified mass of suitable thickness, rubbing the upper surface of the said stratified mass in all directions at first lightly, then turning the stratified mass upside down and repeating the rubbing action, then rubbing the entire outer surface of said stratified mass more energetically, pressing the edges of the mass so as to obtain the desired shape and finally allowing the mass to dry.

1,631,693. BROACHING TOOL. GEORGE H. RICHEY, Boston, Mass., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 18, 1926. Serial No. 142,482. 4 Claims. (Cl. 255—36.)



1. A broaching tool of the impact type comprising a shank having a cylindrical body portion forming a guide, and a laterally projecting wing formed on said body portion, said wing having a percussive surface tapering outwardly and receding rearwardly, an upper surface likewise tapering outwardly but sloping forwardly, an outer surface joining said other surfaces, and lateral plane surfaces.

1,631,694. SHOULDER PAD. GEORGE A. RICK, Woodhaven, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Sept. 3, 1925. Serial No. 54,308. 1 Claim. (Cl. 2—3.)



A shoulder pad comprising a fleece covered leather shield adapted to lie next to the wearer's shoulder, padding material lying on top of the leather shield, an upper leather overlying the padding and stitched around its periphery to the leather shield, said upper leather having a series of slots therein, through which a carrying strap may be threaded.

1,631,695. PORCELAIN. FRANK H. RIDDLE, Detroit, Mich., assignor to Champion Porcelain Company, Detroit, Mich., a Corporation of Michigan. Filed June 1, 1920. Serial No. 385,512. 75 Claims. (Cl. 106—11.)

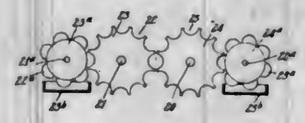
50. The process of forming a ceramic material containing crystals that are not subject to volumetric changes, other than those that can be explained by thermal expansion, within the range of temperature used in forming said product, which consists in forming a mixture containing at least 20% of such crystals and other material from which additional crystals having said characteristics may be formed, and firing the mixture to produce such additional crystals.

1,631,696. DOMESTIC FIREPLACE STRUCTURE. NEIL ROBERTSON, Vancouver, British Columbia, Canada. Filed Mar. 14, 1927, Serial No. 175,356, and in Canada Feb. 2, 1927. 1 Claim. (Cl. 126—121.)



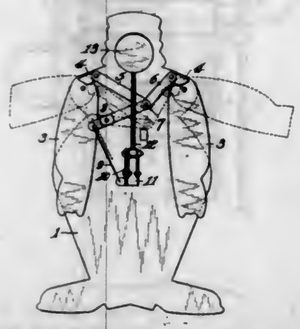
In a domestic fireplace structure the combination comprising, a vertical front plate having a grid-covered aperture in its upper portion, said aperture opening into the apartment, a vertical hearth boundary plate adapted to act as a rear and side fence to the hearth of the said fireplace, said boundary plate having vertical corrugations and being secured by its front vertical edges to the said front plate by a tight seam, the rear portion of said vertical boundary plate having a horizontally disposed angle iron along its top rear edge forming a joint at its intersection with the chimney brickwork, an air flue separate from the chimney at the rear and sides of said boundary plate, said air flue at the rear of the said hearth extending from a maximum width at the hearth level to a minimum width at the top of said boundary plate, an aperture in the hearth plate within said air flue, said aperture communicating with an air-flue below said hearth and with a fresh air supply, the said air-flue being adapted to form an independent conduit between the said fresh air supply and the said grid covered aperture in the upper portion of said front plate.

1,631,697. FRANKFURTER-ROLL-FORMING MACHINE. KARL SCHEERDEL, Fitchburg, Mass. Filed July 14, 1926. Serial No. 122,331. 2 Claims. (Cl. 107—10.)



2. A roll forming machine comprising a frame, a trough supported above said frame, said trough being adapted to be filled with dough, means for forming said dough into cylindrical portions of predetermined length comprising cylinders rotatable in the bottom of said trough, semi-cylindrical grooves formed peripherally on said cylinders, means for coating said grooves successively with grease comprising cylinders complemental to the roll forming cylinders, means for rotating said second-named cylinders synchronously with the first-named cylinders, and pads on the complemental cylinders entering into the grooves of the first-named cylinders successively for lubricating the surfaces of said grooves.

1,631,698. VEHICLE SIGNALING APPARATUS. ADOLPH M. SCHICK, Wheeling, W. Va. Filed Sept. 9, 1926. Serial No. 134,388. 7 Claims. (Cl. 116—37.)



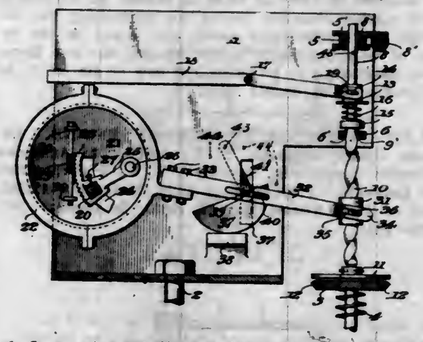
1. In a signaling device for vehicles, a body member adapted to be carried by a vehicle, a vertically movable semaphore arm pivotally mounted on said body, a weighted member pivoted on said body, and mechanism intermediate said weighted member and said arm whereby movement of the former actuates the latter to and from signaling position, said weighted member being adapted to be moved in one direction by momentum upon reduction in the velocity of movement of the vehicle.

1,631,699. SAND-HEATING APPARATUS FOR BUILDING PURPOSES. FREDRIK SELMER, Christiania, Norway. Filed Oct. 30, 1924, Serial No. 746,901, and in Norway Nov. 9, 1923. Serial No. 29,473. 1 Claim. (Cl. 122—247.)



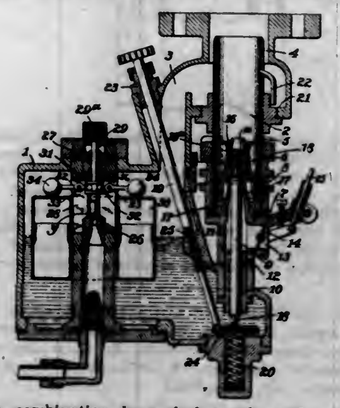
A combined sand and water heating apparatus comprising a shell, a fireplace, a water tubing including arch forming portions arranged in direct supporting and heat interchanging relation with said shell, about said fireplace, and means for circulating water through said tubing.

1,631,700. MACHINE FOR GRINDING VALVES. FRANKLIN S. SIMPSON, Alton, Ill. Filed July 23, 1924. Serial No. 727,729. 7 Claims. (Cl. 51—29.)



1. In a valve grinding machine, the combination with a spindle, of means for reciprocating said spindle longitudinally and for rotating it, comprising an eccentric the throw of which both reciprocates and rotates said spindle.

1,631,701. CARBURETOR. WARD T. SIMPSON, Ann Arbor, Mich., assignor, by mesne assignments, to Albert G. Dickinson, Grand Rapids, Mich. Filed Oct. 21, 1920. Serial No. 418,418. 6 Claims. (Cl. 261—76.)

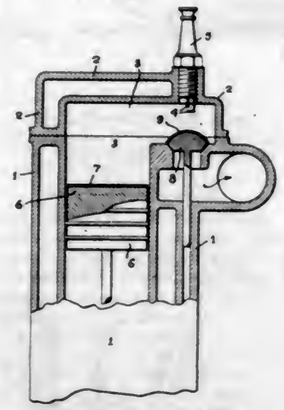


1. In combination in a fuel supply and carburetion system an air tight fuel chamber, a fuel tube leading from the lower part thereof up toward a mixing chamber which is in direct communication with said fuel chamber, said direct communication keeping the pressures in mixing chamber and fuel chamber always substantially equal and holding the fuel in balance, and an air nozzle surrounding the fuel tube and having a passage between itself and the fuel tube for receiving and directing air at high velocity along and by the end of the fuel tube for drawing fuel therefrom, a supplemental nozzle extending into the lower part of the main air nozzle and spaced apart therefrom to provide an annular air inlet for air at high velocity at the lower end of the first mentioned air nozzle, the upper end of the air nozzle being flared outwardly to provide a restriction between itself and the wall of the mixing chamber to increase the flow of air by the fuel tube when the high velocity air is not available.

2. In combination, a mixing chamber, a fuel chamber, a fuel pipe, a main air nozzle within the mixing chamber and surrounding the upper end of the fuel pipe and spaced apart therefrom, a supplemental nozzle within the mixing chamber, surrounding the fuel pipe and having its upper end discharging its air into the lower end

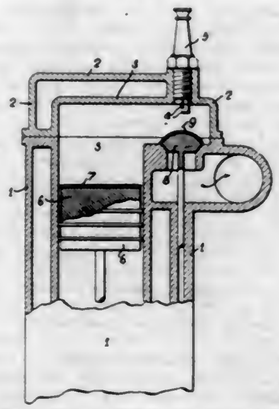
of the main nozzle, said nozzles having an annular passage between them for the induction of air from the space between the supplemental nozzle and the wall of the mixing chamber, an anterior valve to control an air supply to the mixing chamber, means for controlling the air through the supplemental nozzle, and means on the exterior of the supplemental nozzle adjacent the base thereof for obstructing or retarding the flow of air let in by the throttle valve, during idling.

1,631,702. INTERNAL-COMBUSTION ENGINE. EDWARD SOKAL, Brooklyn, N. Y., assignor to American Katalite Corporation, Brooklyn, N. Y., a Corporation of Delaware. Filed July 9, 1925, Serial No. 42,583, and in Great Britain May 11, 1925. 20 Claims. (Cl. 123—191.)



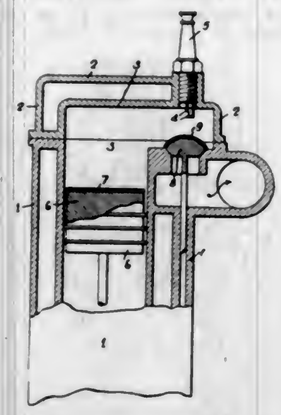
1. In an internal combustion engine, the combination with a combustion chamber, of a relatively permanent detonation counteractant fixedly disposed therein, said detonation counteractant comprising a material which acts endothermically to absorb heat during those periods of engine operation when the temperature within the chamber is the greatest, and which is capable of releasing heat during intermediate periods of engine operation.

1,631,703. INTERNAL-COMBUSTION ENGINE. EDWARD SOKAL, Brooklyn, N. Y., assignor to American Katalite Corporation, Brooklyn, N. Y., a Corporation of Delaware. Filed Oct. 18, 1926. Serial No. 142,247. 20 Claims. (Cl. 123—191.)



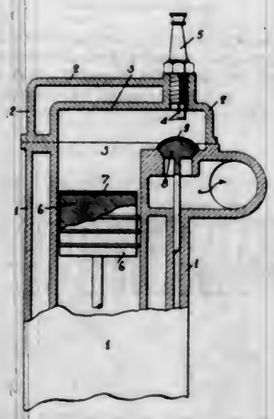
1. In an internal combustion engine, the combination with a combustion chamber, of a relatively permanent detonation counteractant fixedly disposed within said chamber, and consisting of a material which is chemically endothermically reactive under engine operating conditions.

1,631,704. INTERNAL-COMBUSTION ENGINE. EDWARD SOKAL, New York, N. Y., assignor to American Katalite Corporation, Brooklyn, N. Y., a Corporation of Delaware. Original application filed July 9, 1925. Serial No. 42,583, and in Canada July 6, 1925. Divided and this application filed Dec. 18, 1926. Serial No. 155,586. 5 Claims. (Cl. 123—191.)



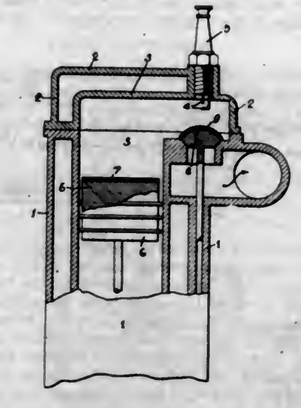
1. In an internal combustion engine, the combination of a combustion chamber, and a detonation counteractant comprising antimony and fixedly disposed within said chamber.

1,631,705. INTERNAL-COMBUSTION ENGINE. EDWARD SOKAL, New York, N. Y., assignor to American Katalite Corporation, Brooklyn, N. Y., a Corporation of Delaware. Original application filed July 9, 1925. Serial No. 42,583, and in Canada July 6, 1925. Divided and this application filed Dec. 18, 1926. Serial No. 155,587. 5 Claims. (Cl. 123—191.)



1. In an internal combustion engine, the combination of a combustion chamber, and a detonation counteractant comprising tellurium and fixedly disposed within said chamber.

1,631,706. INTERNAL-COMBUSTION ENGINE. EDWARD SOKAL, New York, N. Y., assignor to American Katalite Corporation, Brooklyn, N. Y., a Corporation of Delaware. Filed Jan. 11, 1927. Serial No. 160,327. 8 Claims. (Cl. 123—191.)



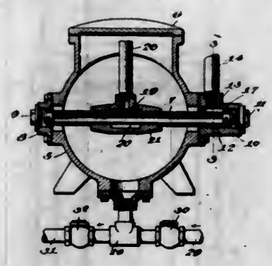
1. In an internal combustion engine, the combination with a combustion chamber, of a chemically endothermically reactive compound of a metal included in the alkali and alkaline earth groups fixedly disposed within said chamber.

1,631,707. VULCANIZING METHOD AND APPARATUS. JAMES D. TEW, Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 25, 1926. Serial No. 118,445. 9 Claims. (Cl. 18—53.)



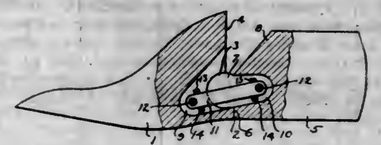
1. The method of treating articles with a liquid which comprises passing them through a gas lock into a liquid-containing chamber, there submerging them in a liquid contained in the chamber, lifting them from the liquid, and passing them, through a gas lock, out of the chamber.

1,631,708. BOILER FEED TRAP. STEVEN L. TILL, Chicago, Ill. Filed Oct. 15, 1926. Serial No. 141,795. 13 Claims. (Cl. 137—103.)



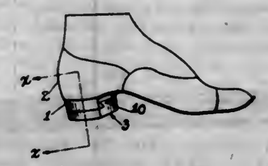
1. A feed trap comprising a housing, a tubular shaft rotatably arranged therein, steam feed and exhaust pipes communicating with said shaft, a water pipe entering the housing and means within the housing for rotating the shaft to selectively register with either the steam feed or exhaust pipe.

1,631,709. LAST. HARRY A. TOULMIN, Jr., Dayton, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Sept. 13, 1926. Serial No. 135,049. 4 Claims. (Cl. 12—136.)



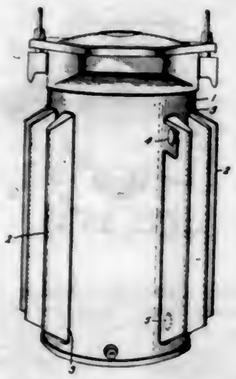
1. In a last, a toe part and a heel part adapted to rock upon one another, transverse pins located in said parts so arranged that in the extreme positions of said parts a line drawn between the centers of said pins will be to one side of the center of movement of said parts, yielding supports for said pins located therebetween, a rigid link connecting said pins whereby when the parts move from one position to the other said yielding supports will be actuated and said link will pass over the center of movement of said parts, and means on said yielding supports for positioning said pins.

1,631,710. DETACHABLE HEEL. ELIAS TRANIDES, New York, N. Y. Filed Aug. 25, 1926. Serial No. 131,481. 2 Claims. (Cl. 36—42.)



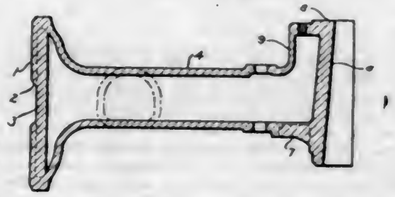
1. A two-piece heel, comprising an upper heel member having longitudinal grooves and a central rib, a lower heel member having longitudinal tongues to resiliently fit the groves aforementioned, a front face member fitting against the central rib and a longitudinal screw upwardly inclined through the front face member into the body of the central rib.

1,631,711. RADIATOR TANK. EDWARD D. TRBANOR, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1921. Serial No. 490,358. 3 Claims. (Cl. 257—191.)



2. A container for oil immersed electrical apparatus, said container including a metal body portion with a plurality of openings in its wall, and a hollow radiating member open at one side to form an edge, the edge portion of the radiating member being welded to the outer surface of said wall around said openings in the wall.

1,631,712. PRODUCING OF CAST-METAL WHEELS. GEORGE WALTHER, Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Original application filed May 10, 1920, Serial No. 380,217. Divided and this application filed June 16, 1921. Serial No. 478,130. 4 Claims. (Cl. 22—193.)



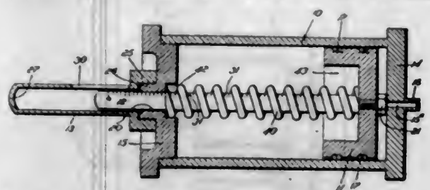
4. The method of forming a core for use in casting wheels which consists in making the major portion of the core in one piece and thereafter applying to said core means for increasing the width of the rim and other means to vary the internal diameter of the hubs of the wheels to be cast.

1,631,713. MERCURY-TUBE SWITCH. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, Ashland, Mass., a Corporation of Maine. Filed Sept. 21, 1923. Serial No. 664,098. 6 Claims. (Cl. 200—152.)



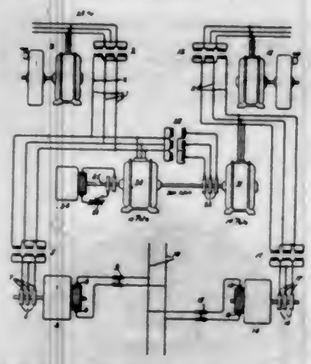
1. An electric circuit controller comprising a tubular sealed chamber of insulating material, a pair of electrodes sealed into said chamber, so as to provide considerable arcing space between said electrodes, the interior surface of the chamber closely adjacent one electrode being smooth and the interior surface between the electrodes being roughened and a conducting fluid such as mercury contained within said chamber in sufficient quantity to electrically connect said electrodes when the chamber is in one position, the circuit controller being constructed so that the circuit therein is broken by the separation of the mercury over the roughened surface of said chamber when tilted toward the open position.

1,631,714. LOCOMOTIVE-FEED-PUMP GAUGE. WILLIAM W. WELLMAN, Las Vegas, Nev. Filed Sept. 8, 1926. Serial No. 134,319. 2 Claims. (Cl. 73—111.)



1. A locomotive feed water pump gauge including, a cylinder having a head closing one end and a cap closing the other end, there being an opening at the head end of the cylinder to admit pressure from the pump, a piston slidably carried in the cylinder, a spring normally holding the piston at the head end of the cylinder, and means at the cap end of the cylinder to indicate the position of the piston in the cylinder, said means including a stem projecting from the piston through the cap and a tubular housing carried by the cap to receive the stem, the stem being graduated and the housing having a sight opening so that the graduations can be seen.

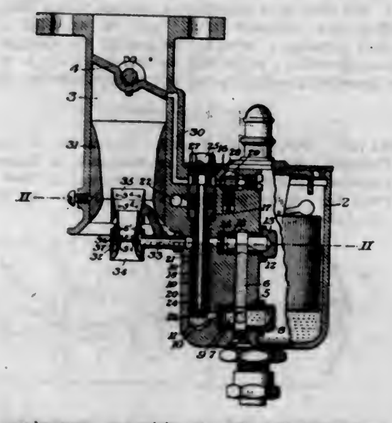
1,631,715. SYSTEM OF DISTRIBUTION. THEOPHILUS F. BARTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 30, 1923. Serial No. 628,886. 4 Claims. (Cl. 172—281.)



1. An electric distribution system comprising a plurality of alternating current systems of different frequencies, rotary converters connected between said systems and a common direct current system, and means for maintaining a voltage and frequency tie between said alternating current systems, comprising an electrodynamic transformer of large capacity with respect to the capacities of the interconnected systems and of sufficiently low reactance to permit substantially instantaneous interchanges of reactive k. v. a. between said systems in amounts sufficient to maintain the voltage relation between said systems substantially fixed.

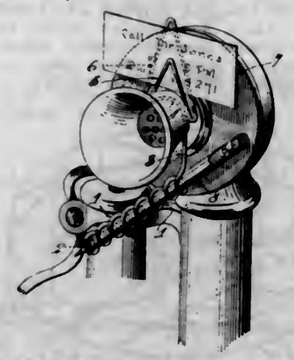
2. In an electric distribution system means for maintaining a frequency and voltage tie between the high tension alternating current systems of different frequencies comprising a synchronous dynamo electric machine connected to one of said system a low reactance, induction dynamo electric machine of the wound secondary type, having its primary windings connected to the other of said systems, the rotary elements of said machines being mechanically connected together in such a speed relation that the secondary frequency of said induction machine is equal to the frequency of the system to which the synchronous machine is connected and a transformer connected between said secondary winding and the system to which the synchronous machine is connected, said induction dynamo electric machine serving as a substantially constant voltage ratio transformer at all loads.

1,631,716. CARBURETOR. FRANÇOIS BAVEREY, Lyon, France, assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Dec. 27, 1920, Serial No. 433,477, and in France Oct. 24, 1919. 12 Claims. (Cl. 261—41.)



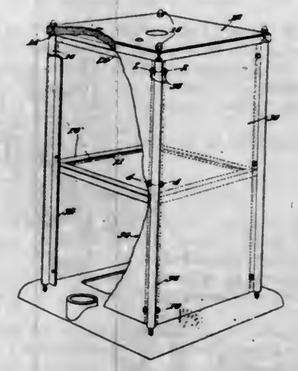
1. A carburetor, comprising a carbureting chamber, a constant level chamber, an atmospheric well, a plurality of fuel feeds for said well from said constant level chamber, a tube in said well, means restricting the suction exerted on one of said feeds by said carbureting chamber, and means in said carbureting chamber receiving fuel from said well, substantially as described.

1,631,717. TELEPHONE NOTE RACK AND PENCIL HOLDER. THEODORE V. BRETER, New Philadelphia, Ohio. Filed Feb. 28, 1927. Serial No. 171,666. 2 Claims. (Cl. 40—10.5.)



1. An attachment for telephones comprising a wire formed into a coil to constitute a pencil receiver, a flat curved portion adapted to be secured between the transmitter case and the mouth piece of a telephone, and a clip for holding cards, pads and the like.

1,631,718. CABINET. CHARLES EDWARD CAMPBELL, Lynn, Mass., assignor to Campbell Electric Company, Lynn, Mass., a Corporation of Massachusetts. Filed June 14, 1920, Serial No. 388,777. Renewed May 1, 1926. 2 Claims. (Cl. 211—7.)



1. A cabinet comprising a base, corner posts secured to the base, sheet metal corner moldings enclosing the corner posts provided with side flanges, a top supported upon and secured to the corner posts, an angle iron support within the cabinet secured to the corner posts, and panels secured to the side flanges of the corner moldings, the support comprising an angle iron bar bent to form an open rectangular frame and having its free ends spot welded.

1,631,719. CONNECTING DEVICE. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 20, 1924. Serial No. 700,517. 7 Claims. (Cl. 173—263.)

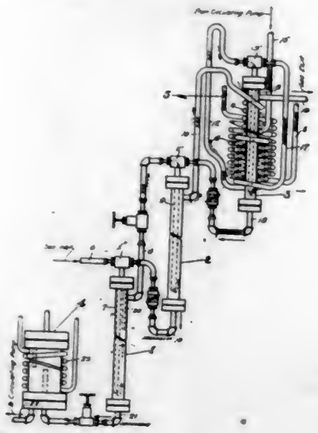


1. A fastening device to connect two cables with coinciding axes comprising a sleeve member of yieldable material having a longitudinally disposed channel therethrough and a V-shaped tongue and groove forming a longitudinal slot along one side and opening into said channel and adapted to be formed about the ends of the cables placed in said channel, the channel being of elliptical cross-section and spaced means on one edge of the adjacent edges of the sleeve member forming the slot adapted to engage with spaced means on the opposite edge of the slot when the sleeve is in the formed position to maintain the slot open between the said means, the transverse crosssection of the sleeve increasing in thickness from the edges of the slot toward the oppositely disposed point of the sleeve.

1,631,720. PROCESS OF RECOVERING AMMONIA FROM GASES CONTAINING SAME. ROYALL O. E. DAVIS, Chapel Hill, N. C., and LEWIS B. OLMSTEAD, Peru, Nebr. Filed June 13, 1921. Serial No. 477,256. 7 Claims. (Cl. 23—96.) (Granted under the act of Mar. 3, 1883. 22 Stat. L., 625.)

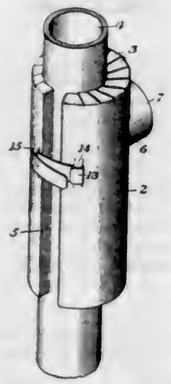
1. The method of removing ammonia from gases which consists in absorbing the ammonia from a gaseous mixture containing free ammonia in a fluid absorbent sub-

stance therefor having a low vapor pressure of ammonia at approximately zero degrees centigrade and a high vapor pressure of ammonia at temperatures between forty and fifty degrees centigrade, while maintaining said substance during said absorption sufficiently cool to secure effective absorption of said ammonia and its



separation from said gases under treatment, separating said absorbent containing said ammonia from contact with said gases and then raising the temperature of the absorbent so separated to a sufficient degree to drive off absorbed ammonia and separately recovering the absorbent and ammonia.

1,631,721. HOT-AIR STOVE. HENRI DE BOISCHEVALIER, Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Oct. 20, 1922. Serial No. 595,879. 14 Claims. (Cl. 257—241.)



1. As an article of manufacture, a hot air stove for carburetors, comprising a casing adapted to be bent around heating members of different diameters, said casing having a flexible end wall adapted to seal one end thereof irrespective of the diameter of the heating members, substantially as described.

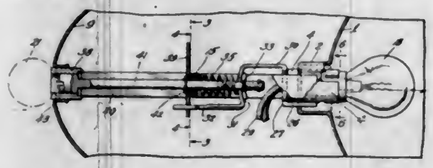
1,631,722. PROCESS OF SURFACE-FINISHING RUBBER GOODS AND PRODUCT OF SAME. HERBERT W. EMERY, Holliston, Mass., assignor to Archer Rubber Company, Milford, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1926. Serial No. 146,065. 13 Claims. (Cl. 91—68.)

1. A process of superficially finishing rubber goods which comprises applying to the rubber surface a coating of lacquer comprising shellac and capable of being hardened by halogenization and halogenizing the lacquered surface.

1,631,723. METHOD OF PREPARING WIENER SAUSAGES. ERWIN O. FREUND, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 19, 1926. Serial No. 130,363. 4 Claims. (Cl. 99—11.)

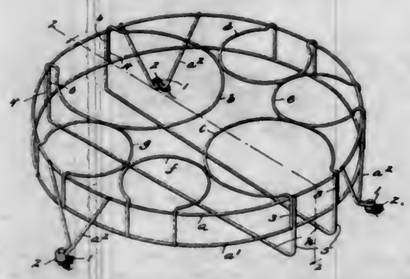
1. The process of preparing a sausage which comprises: stuffing the prepared meat into an artificial casing, thereby forming a sausage; subjecting the sausage to a curing operation; subjecting the cured sausage to a cooking operation; and stripping the casing from the sausage.

1,631,724. FOCUSING LAMP. CHARLES E. GODLEY, Ypsilanti, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Oct. 9, 1926. Serial No. 140,610. 15 Claims. (Cl. 240—44.)



1. In a lamp, a reflector having a substantially axial perforation, a lamp socket extending slidably through the perforation and adapted to rock in one plane about the wall of the perforation, a supporting member fast on the reflector, a screw effectively swiveled upon the supporting member and threadedly connected to the socket to adjust the socket axially, a cam member rotatably mounted on the screw, a tilt-effecting member fast on the socket and in operative engagement with the cam portion of the cam member, and means to rotate the cam member to tilt the socket.

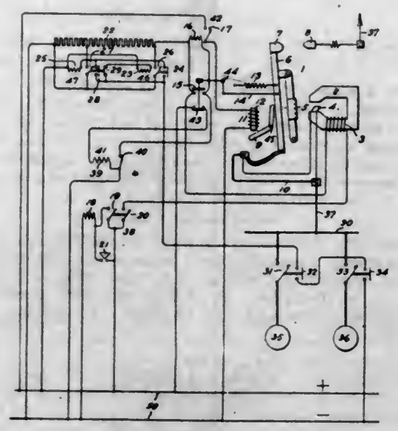
1,631,725. RACK FOR TEA, COFFEE, AND SPICE CONTAINERS. AXEL I. S. HALVORSEN, Albany, Ind., assignor to McCormick Brothers Company, Albany, Ind., a Corporation of Indiana. Filed June 14, 1926. Serial No. 115,912. 1 Claim. (Cl. 211—14.)



A rack for condiment jars and other containers comprising a frame composed of a pair of concentric wire rings spaced apart and having feet for supporting the

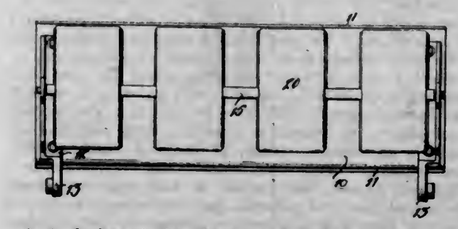
frame horizontally, two relatively large arcuate wire loops projecting inwardly from opposite sides of the upper ring, a plurality of relatively small wire loops projecting inwardly from the upper ring at the sides of the large loops, the ends of said loops being bent downwardly and connected to both rings, and supporting wires extending across the lower side of the frame, under said relatively large loops and having their ends bent upwardly and secured to both of said rings.

1,631,726. PROTECTIVE DEVICE FOR DYNAMO-ELECTRIC MACHINES. HAMMOND CHARLES HASTINGS and CYRIL JOHN SARJEANT, Rugby, England, assignors to General Electric Company, a Corporation of New York. Filed Nov. 13, 1923, Serial No. 674,584, and in Great Britain Dec. 14, 1922. 5 Claims. (Cl. 175—294.)



1. The combination with an automatic circuit breaker arranged to interrupt a controlled circuit in response to a predetermined value of current, of a calibrating device for varying the value of current at which the circuit breaker automatically interrupts the controlled circuit, a plurality of dynamo electric machines arranged to be connected in the circuit through the said circuit breaker, and means automatically operated in response to the number of said machines included in the said circuit for varying the said calibrating device.

1,631,727. TOP CLEARER FOR ROVING FRAMES. WYLIE E. HENDERSON, Lanett, Ala. Filed Dec. 18, 1926. Serial No. 155,729. 7 Claims. (Cl. 19—139.)



1. A device of the character described comprising a cover, a longitudinally arranged rod slidably secured thereto, clips secured to said rod, and adapted to support a cot.

1,631,728. ART OF TREATING WOOD. WILLIAM HOSKINS, Chicago, Ill. Filed Apr. 21, 1924. Serial No. 708,009. 2 Claims. (Cl. 175—298.)

1. A radio panel consisting of wood in its natural state superficially impregnated with sulphur.

1,631,729. CERAMIC INSULATING MATERIAL. JOSEPH A. JEFFERY and EARLE T. MONTGOMERY, Detroit, Mich., assignors, by mesne assignments, to Champion Porcelain Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 24, 1919. Serial No. 278,879. 41 Claims. (Cl. 106—12.)

1. A ceramic material consisting of sillimanite crystals and a glassy matrix.

1,631,730. CERAMIC MATERIAL. JOSEPH A. JEFFERY and EARLE T. MONTGOMERY, Detroit, Mich., assignors, by mesne assignments, to Champion Porcelain Company, Detroit, Mich., a Corporation of Michigan. Filed May 24, 1919. Serial No. 299,574. 12 Claims. (Cl. 106—11.)

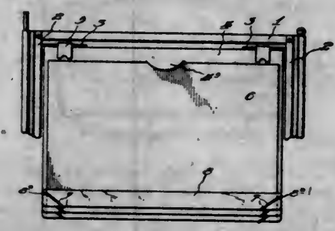
1. A batch for ceramic material comprising a material amount of a heat-formed constituent containing alumina, silica and a flux, the proportion of alumina to silica in said constituent being nearer their proportion in sillimanite than is their proportion in clay.

1,631,731. RULER. EARL R. JOHNSON, Chicago, Ill. Filed Sept. 27, 1926. Serial No. 137,852. 3 Claims. (Cl. 33—107.)



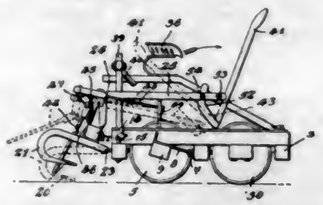
3. A ruler construction comprising a sheet metal body element having a ruling edge and linear scales on its opposite faces along said ruling edge; flanges bent from the stock of the body element and jointly comprising means for holding an insert in place thereon; certain of said flanges being struck out of the stock inwardly of the linear scales on the opposite faces of the body element, substantially as described.

1,631,732. VISIBLE-CARD SYSTEM. FRANK H. JOHNSTON, Chicago, Ill., assignor, by mesne assignments, to Acme Card System Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1922, Serial No. 563,237. Renewed Jan. 14, 1926. 6 Claims. (Cl. 129—16.)



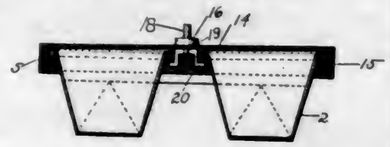
1. In a visible card system, the combination with a frame of a plurality of overlapping card holders mounted on said frame, said holders comprising diagonally positioned retaining members and protective strips engaged by the retaining members and covering the exposed edges of cards in the card holders.

1,631,733. WEEDER. MORGAN D. KAST, Pendleton, Oreg. Filed June 29, 1925. Serial No. 40,347. 6 Claims. (Cl. 97—144.1.)



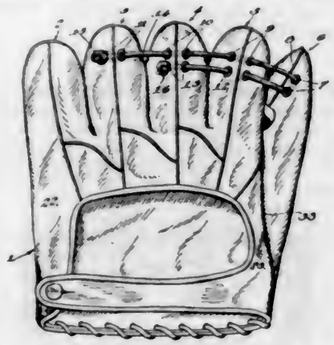
1. An implement of the character described comprising a gathering blade, means to move the blade to a dumping position, and pivotally mounted means moved upon its pivotal mounting to beat upon the blade thereby to loosen the gathered material.

1,631,734. COVERED BAKING PAN. ARTHUR KATZINGER, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Filed Sept. 9, 1926. Serial No. 134,487. 1 Claim. (Cl. 53—6.)



A multiple of pans attached together to form a unit, a reinforced lip extending outwardly around the upper edges of each of said pans, a detachable cover for said pans carrying a rotatable catch attached to its inner surface at a substantial distance from the edge of the cover with a handle for said rotatable catch extending through the outer surface, said catch being located so as to engage the adjacent lips of two adjacent pans.

1,631,735. BASEBALL GLOVE. PHILIP KENNEDY and BERT KENNEDY, Gloversville, N. Y. Filed July 3, 1925. Serial No. 41,363. 2 Claims. (Cl. 2—19.)



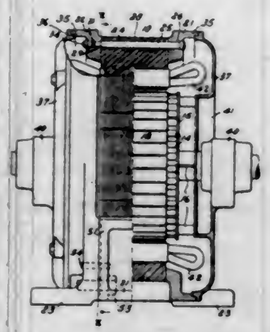
1. A glove having a body formed with a thumb and finger portions, said thumb having spaced openings in the back of a cover thereof adjacent to the inner side of the thumb and a plurality of said fingers having spaced openings in the back portions of the covers and at opposite sides of the longitudinal median lines thereof, and a flexible connecting member threaded through said openings in said fingers of the glove and in the thumb for adjustably connecting said fingers of the glove to one another and to said thumb.

1,631,736. BEARING FOR SPINNING SPINDLES. JOSEF KIRNER, Stuttgart, Germany. Filed June 26, 1922, Serial No. 571,057, and in Germany July 28, 1921. 7 Claims. (Cl. 308—228.)



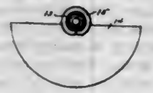
6. A support for spinning spindles comprising in combination, a bolster adapted to receive the spindle, and an anti-friction bearing mounted in said bolster and comprising a plurality of rollers surrounding the spindle and in contact therewith and annular guide means for the rollers coacting with the ends of the same and arranged in spaced relation to the spindle.

1,631,737. DYNAMO-ELECTRIC MACHINE. EARLE R. KNIGHT, Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 17, 1922, Serial No. 553,912. Renewed July 29, 1925. 17 Claims. (Cl. 172—36.)



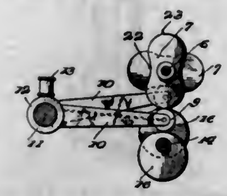
13. In a dynamo-electric machine, a stator element comprising in combination, separately formed and spaced end heads each having an annular radially extending portion and individual integral supporting feet adapted to carry the weight of the stator, a core consisting of assembled laminæ having spaced and apertured enlargements at the outer periphery thereof, said peripheral enlargements of the laminæ being transversely alined and providing therebetween substantially unobstructed peripheral surface portions extending across the core, and means associated with said end heads and passing through the enlargements on said core for clamping and holding said laminæ in assembled condition with said annular radially extending portions of the end heads bearing against and confining said laminæ, said clamping means cooperating with said laminæ to hold said end heads in spaced operative relation, said end heads extending radially beyond said assembled laminæ at points intermediate said enlargements and provided with through apertures affording ventilating passages substantially unobstructed by said laminæ.

1,631,738. VERNIER CONDENSER. FREDERICK KOCH, Newark, N. J., assignor to U. S. Tool Company, Inc., a Corporation of New Jersey. Filed Apr. 28, 1924. Serial No. 709,397. 1 Claim. (Cl. 175—41.5.)



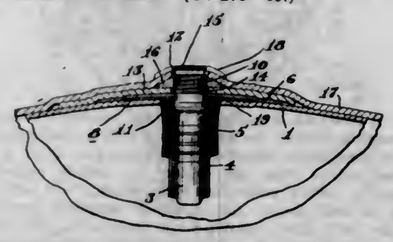
In a variable condenser, the combination of a supporting frame, a rotor shaft mounted therein, said shaft having a polygonal cross-section for a portion of its length, a plurality of rotor plates having apertures therethrough to fit the polygonal section of said shaft, and spacing washers surrounding said shaft between said plates, said washers each being formed of a single convolution of flattened wire and having its off-set ends inwardly bent to conform to a face of said polygonal shaft.

1,631,739. SPEED-REDUCTION MECHANISM. ARTHUR JOSEPH KRAUSE, Cleveland, Ohio. Filed Aug. 8, 1924. Serial No. 730,957. 1 Claim. (Cl. 74—14.)



A speed reduction device comprising a counter shaft, a valve shaft spaced from the counter shaft and provided with a plurality of angularly arranged members fixed to said valve shaft, a plurality of cams angularly arranged and fixed on the counter shaft, rock arms having rollers at the free ends, said rollers being operatively disposed between the cams and the angularly arranged members, said members on the valve shaft comprising elongated members having their opposite ends curved on the arc of a semicircle with the sides of said elongated members being provided with depressions, said cams adapted to be actuated when the counter shaft is rotated for causing actuation of the angularly arranged members and through the cooperation of the rollers on the free ends of the arms.

1,631,740. GAME-BALL BLADDER. GEORGE L. LAWRENCE, Jr., Melrose, Mass. Filed Dec. 15, 1926. Serial No. 154,992. 1 Claim. (Cl. 273—65.)



An inflated ball having a rubber bladder with a hole therethrough, a valve stem wrapped with a plurality of layers of suitable material throughout varying portions of its length, and inserted through said hole without distortion of the material surrounding said hole, a portion of said valve projecting outside of the bladder, a composite fabric and rubber washer to which said valve wrappings and valve are secured, said combined washer being adhered to the outside of the bladder surrounding said valve stem and hole, a cover for enclosing said bladder having a flap attached thereto and formed with a hole through which said protruding portion of the valve extends, the outer portion of said valve being threaded, and a threaded washer adapted to be threaded on said valve casing and clamp the said flap, and hence the cover, to the bladder.

1,631,741. HEEL FOR SHOES. LEONE LAZZARI and DOMINIC SAUDINO, New York, N. Y. Filed Feb. 18, 1925, Serial No. 9,915. Renewed Apr. 27, 1927. 1 Claim. (Cl. 36—59.)



A cushion heel comprising an upper member of rubber, having a plane surface and a plurality of projections extending from one of its faces, two of said projections being toward the front and a curved projection being toward the rear of said member, and one or more of said projections being joined to said upper member by spaced legs, and a second member composed of leather and substantially rigid in form, said leather member having openings corresponding with the projections of the rubber member and being of less thickness than the depth of said projections.

1,631,742. LUBRICATOR. CHARLES LEA, Boston, Mass., assignor, by mesne assignments, to Frederick C. Blanchard, Dorchester, Mass. Filed Jan. 31, 1923. Serial No. 616,062. 10 Claims. (Cl. 184—65.)

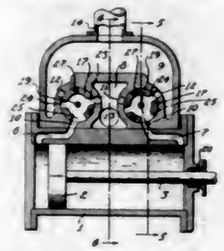


6. A lubricator having a reservoir presenting an inlet for the introduction of oil, two passages for the flow of oil from said reservoir to a common point of delivery, a permeable barrier controlling the flow of oil through one of said passages and disposed about the other, and an axially and laterally displaceable rigid member presenting a cover for said inlet and a valve for such other passage.

1,631,743. STEAM ENGINE. WILLIAM B. LIPSCOMB, Washington, D. C. Filed June 20, 1922. Serial No. 569,080. 3 Claims. (Cl. 121—186.)

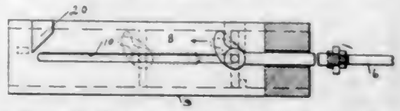
1. In a steam engine, the combination with a reciprocating driving piston and a cylinder surrounding the piston and having two ports communicating with its interior beyond the ends of the path of movement of the piston in either direction, of two valve seats of cylindrical form in cross section, each provided with an inlet port, an exhaust port, and a third port communicating with one of the ports of the driving cylinder, means for supplying steam to the inlet ports of both valve seats,

and a tubular oscillatory valve in each valve seat having two ports, one adapted to connect the interior chamber of the valve with the valve seat inlet port only and the other adapted to connect said interior valve chamber with the exhaust port of the valve seat only, said valves being alternately brought into operative position by oscillation of the valve in its seat, the valve having



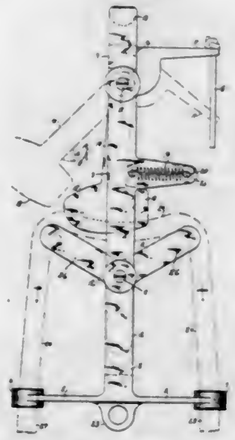
also a third port connecting the aforesaid interior valve chamber with the intermediate port of the valve seat when either the valve inlet or exhaust ports are operative, the said interior chamber of the valve constituting a common conduit for supplying live steam to the cylinder and for the passage of exhaust from the cylinder.

1,631,744. PROPELLER FOR SHIPS OR THE LIKE. JAMES K. LOWE, Baltimore, Md. Filed Oct. 14, 1926. Serial No. 141,645. 4 Claims. (Cl. 115—31.)



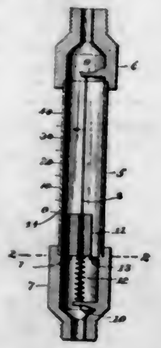
1. A propeller for ships or the like, comprising tunnel shaped members, push plates located in said members, means for alternately reciprocating said push plates, and means for changing the angular arrangement of said plates in said tunnel members.

1,631,745. ROPE GRIP. ANDREW LUCIBELLO, New Haven, Conn. Filed July 15, 1926. Serial No. 122,542. 1 Claim. (Cl. 188—64.)



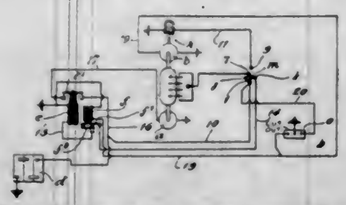
A rope-clamp, comprising a cross-arm formed at opposite ends with eyes, through which the rope passes, a slotted post extending upward from said cross-arm and provided at its upper end with an eye and with a stop, a three-armed rope-guide rotatably mounted in said post, the ends of the arms formed with notches, a latch mounted in said post above said guide and provided at its lower end with a block extending into the path of the arms of the guide, said latch formed at its upper end with a stop and with a releasing-arm extending outward therefrom, and a spring tending to draw the latch into the path of movement of one of the arms of the said guide.

1,631,746. FLOW METER. GEORGE P. LUCKEY, Dayton, Ohio. Filed Jan. 26, 1923. Serial No. 615,093. 3 Claims. (Cl. 73—167.)



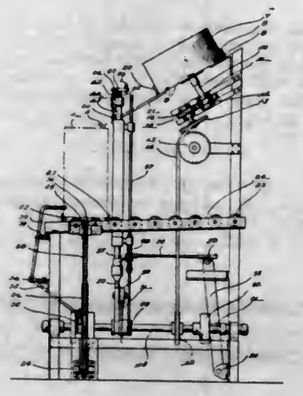
3. In a flowmeter for liquids, a tubular casing of uniform diameter, a body movable longitudinally within said casing by the friction of the liquid flowing through the casing, said body being of the same weight as an equal volume of said liquid, a guide for said body extending axially of the casing, and mechanical means for resisting such movement of the body with progressively increasing force.

1,631,747. STARTER FOR INTERNAL-COMBUSTION ENGINES. FREDRICK W. MABY, New York, N. Y., assignor to Royalty Holding Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,197. 4 Claims. (Cl. 290—37.)



1. A starting device for internal combustion engines embodying therein the combination with a motor adapted to be operatively connected with an engine shaft, a generator driven from the engine, an electric battery, a magnetic switch controlling the circuit from said battery to said motor, and a second magnetic switch in circuit with said generator and controlling the circuit from said battery to said first named magnetic switch, whereby when the engine is operating under its own power, the circuit to said motor will be opened, of a manually operative switch having a fixed contact, a binding post in electrical connection therewith, electrical connections between said contact, said binding post and said battery, a fixed contact adapted to be electrically connected with a magneto driven from the engine, a movable switch member electrically connected with the engine ignition system and adapted to be selectively engaged with either of said fixed contacts, and electrical connections between said binding post and said second magnetic switch whereby said manually operative switch may be actuated to close the circuit from said battery to the ignition system and simultaneously cause the closing of the circuit to said motor, or to close the circuit from the magneto to the ignition system while still permitting the closing of the circuit from said battery to said motor.

1,631,748. SEALING MACHINE FOR CONTAINERS OR THE LIKE. CHARLES E. MARTIN, Paulsboro, N. J., assignor to Vacuum Oil Company, New York, N. Y., a Corporation of New York. Filed Feb. 13, 1926. Serial No. 88,158. 12 Claims. (Cl. 113—18.)



1. A machine of the class described comprising a supporting means for the can to be sealed, a magnetized expanding head, mechanism for moving said expanding head to cause it to carry a sealing device from a registered position to a can on the supporting means, and mechanism for operating said expanding head to cause the sealing device to interlock with the container to which the sealing device is fed by said head.

1,631,749. OVERSHOE. FREDERICK H. MARTIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 14, 1923. Serial No. 632,011. 2 Claims. (Cl. 36—55.)
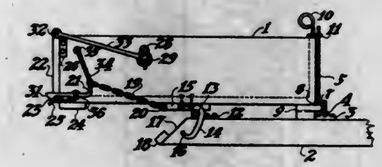


2. An overshoe having side lining members of heavily-napped cloth and a rear antifriction lining member of sateen cloth for slipping over the heel of the inner shoe, the said member presenting an uncoated, unimpregnated, sateen surface to the inner shoe.

1,631,750. PAPER PRODUCT AND METHOD OF MAKING SAME. JAMES MCINTOSH, Norristown, Pa., assignor to Diamond State Fibre Company, Bridgeport, Pa., a Corporation of Delaware. Filed Mar. 2, 1926. Serial No. 91,815. 10 Claims. (Cl. 92—21.)

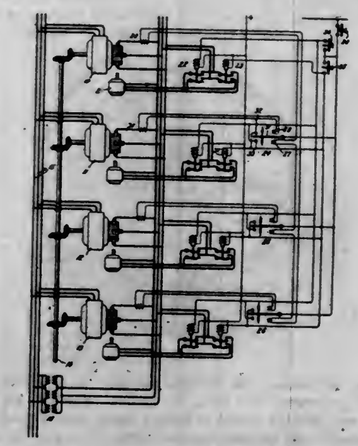
1. The process of making a paper product which comprises adding a cellulose ester to the paper and rag fibres prior to the Fourdrinier machine, processing the paper in the usual manner, parchmentizing the paper, and thereafter subjecting the sheet to heat and pressure to cause the cellulose ester to flow throughout the mass.

1,631,751. GRAVITY-DUMP BODY FOR TRUCKS OR WAGONS. FRANK J. MELTON, Clayton, N. Mex. Filed July 15, 1926. Serial No. 122,593. 1 Claim. (Cl. 298—23.)



In a gravity tilting body, a bolster positioned on a frame below the normal position of the body, a chain positioned on said body and engaging said bolster when the said body is in the tilted position, a bell crank connected to said chain, a spring to restrain said bell crank, a finger on said bell crank, an end gate on said body carrying on its lower edge a bar to engage said finger, fingers on said body to restrain said bar against said bell crank, an eye on the upper part of said end gate, a rod having a hook at one end to engage said eye and an eye at the other end of said rod, a strap on said body having an outwardly turned portion whereon said rod may rest, and a pin positioned on said body to receive said eye on said rod.

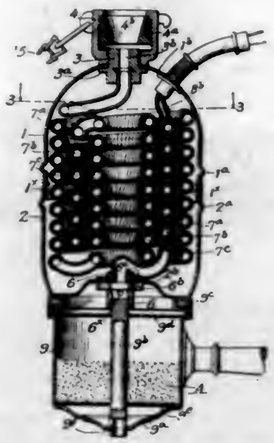
1,631,752. AUTOMATIC LOAD EQUALIZATION. WILBUR L. MERRILL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 22, 1927. Serial No. 162,881. 4 Claims. (Cl. 171—312.)



1. In a system for maintaining a predetermined distribution of load between a plurality of electric motors arranged to drive a common load, load adjusting means for each of a plurality of said motors, and an electro-responsive device associated with each of said load ad-

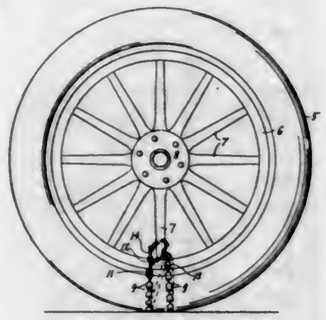
justing means, each of said devices being connected to respond to the difference between the load on the motor controlled thereby and the load on another of said motors to effect load corrective operation of said adjusting means.

1,631,753. ELECTRIC HEATER. BENJAMIN MIDULLA, Wilkinsburg, Pa. Continuation of application Serial No. 31,936, filed May 21, 1925. This application filed Aug. 17, 1926. Serial No. 129,783. 8 Claims. (Cl. 219—39.)



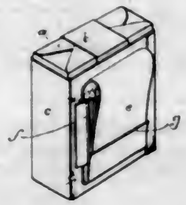
1. A heater comprising a plurality of coaxial coils connected in series and having an inlet and outlet; the coils being so connected that the liquid must pass through the outermost coil first, then through the innermost coil, and lastly through the middle coil; and an electrical heating element around the middle coil.

1,631,754. TIRE CHAIN. WILLIAM MURPHY, St. Louis Park, Minn. Filed Sept. 17, 1926. Serial No. 136,015. 1 Claim. (Cl. 152—14.)



In an antiskid and traction device of the class described, a length of chain, a tension element attached to one end of said chain, a single chain link attached to the opposite end of said tension element, a pair of hooks engaging said latter link, said chain adapted to be coiled about a wheel rim and tire and one link of the chain engaged with one of said hooks to partly expand said tension element and create a taut condition of the coiled chain.

1,631,755. PACKAGE. HARRY F. NILES, Chicago, Ill. Filed Sept. 8, 1925. Serial No. 54,898. 1 Claim. (Cl. 206—48.)



A package for cigarettes, having a loop formed on a face thereof by extending a reduced portion of an adjacent side of the package across said face and securing the end of said reduced portion to said face near its adjacent edge, back of which loop the cover of a match strip may be passed to unite the cigarette package and the match strip.

1,631,756. DETONATOR PACKAGE. FRANKLIN W. OLIN, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Feb. 5, 1925. Serial No. 7,162. 8 Claims. (Cl. 206—46.)



2. A prepared package comprising, a detonator cartridge having current conducting wire, a tube over the cartridge and on which the wire is coiled, and a casing for the wire.

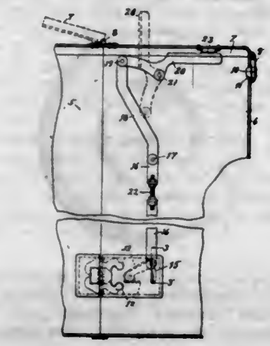
1,631,757. WASHING PAPER. CHARLES B. PECK, Suffern, N. Y. Filed Mar. 26, 1926. Serial No. 97,673. 3 Claims. (Cl. 87—23.)



2. A washing sheet comprising a thin vegetable parchment paper vehicle having the characteristic of flexibility when wet and sufficiently tough and tenacious to prevent tearing or surface disintegration when used for scrubbing, said vehicle being impregnated with soap.

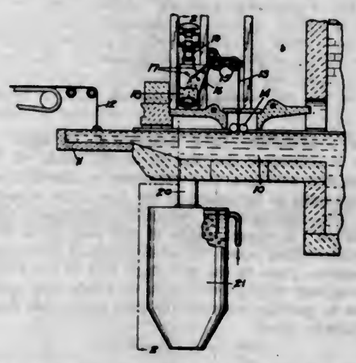
1,631,758. LATCHING DEVICE. MARTIN RASMUSSEN, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1924. Serial No. 758,650. 1 Claim. (Cl. 292—25.)

An actuating device for wardrobe trunk fasteners comprising a lever adapted to be pivoted within the wardrobe section of the trunk, said lever being provided with a portion adapted to be engaged by the top section of the trunk, and a pair of pivotally connected link members, one of



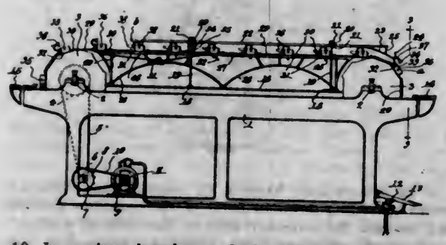
which is connected to said lever and the other of which is longitudinally adjustable, and adapted to be connected to the fastener.

1,631,759. METHOD AND MEANS FOR SKIMMING GLASS. WARREN A. RHOADES, Shreveport, La., and THOMAS C. MCKINLEY, Charleston, W. Va., assignors to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed July 22, 1925. Serial No. 45,335. 10 Claims. (Cl. 49—17.)



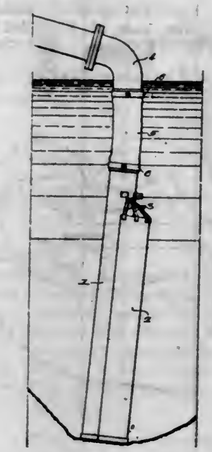
1. The process of producing sheet glass, consisting in providing a mass of molten glass, skimming the molten glass by drawing the surface therefrom in sheet form, and then drawing a sheet from the skimmed glass.

1,631,760. BUNCH FORMER. CHARLES A. RINKER, Galesburg, Ill. Filed Apr. 7, 1925. Serial No. 21,892. 10 Claims. (Cl. 131—42.)



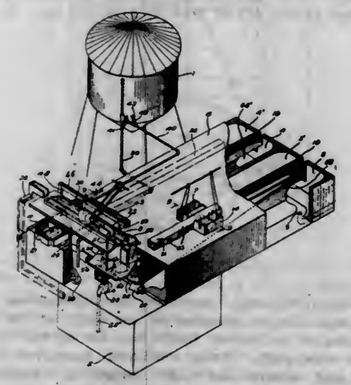
10. In a cigar buncher a feed table, a delivery table, bunch receiving forms for conveying bunches from the feed table to the delivery table, means operated by the movement of the forms for placing a plurality of bunches therein under compression and maintaining them under compression during a portion of the movement from one table to the other, and means for successively lifting the bunches automatically within the forms prior to reaching the delivery table.

1,631,761. SUCTION PIPE. ELTON RISLEY, Ventnor, N. J. Filed Apr. 10, 1925. Serial No. 22,159. 4 Claims. (Cl. 37—63.)



1. A suction pipe for hydraulic dredging operations comprising a main duct, an auxiliary duct parallel throughout its length with and partially surrounding said main duct being open at both ends and terminating adjacent the outer end of the main duct in a section of reduced area, and a grid protecting the upper end of the auxiliary duct.

1,631,762. METHOD AND APPARATUS FOR MIXING PULP. WALDO E. ROSEBUSH, Millwood, Wash., assignor to Inland Empire Paper Company, Millwood, Wash., a Corporation of Washington. Filed Aug. 5, 1924. Serial No. 730,208. 5 Claims. (Cl. 92—20.)

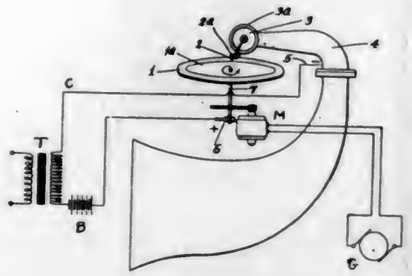


5. The method of preparing pulp for use in paper making machines, consisting in separately deckering sulphite pulp, then combining said deckered sulphite pulp with screened wood pulp, and finally deckering the mixture of the two pulps.

1,631,763. BEARING WITH ROLLING MEMBERS. LOUIS ROUANET, Ivry-Port, France, assignor to Compagnie d'Applications Mecaniques, Paris, France. Filed Nov. 10, 1922, Serial No. 600,017, and in France Dec. 12, 1921. 1 Claim. (Cl. 308—189.)

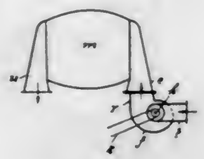
A bearing adapted to be used in an acid or oxidising medium, comprising concentric race members and rolling members disposed between said race members, the race members being made of aluminum bronze, and the rolling members being made of agate and the like material.

1,631,764. ELECTROSTATIC RELAY DEVICE. SAMUEL RUBEN, New York, N. Y. Filed Feb. 15, 1926. Serial No. 88,432. 11 Claims. (Cl. 179—111.)



1. A relay device comprising an asymmetrically conductive couple adapted to receive and transmit signals by varying an electrostatic field between the elements of said couple in response to changes in the potential applied to the circuit connecting said elements.

1,631,765. COOLING ELECTRIC MACHINERY. REINHOLD RÜDENBERG, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 23, 1921, Serial No. 494,546, and in Germany Oct. 7, 1918. 1 Claim. (Cl. 171—252.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



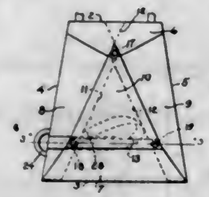
In dynamo-electric machines in combination, a self-ventilator directly mounted on the shaft of the machine and adapted to furnish ventilation for normal load only, and a separately driven ventilator connected in series with said self-ventilator for supplying ventilation at excess machine load, said self-ventilator being of such construction that the pressure drop therein is approximately the same for the passage of the quantity of air required at normal load, as for the passage of the quantity of air required at overload.

1,631,766. PARACHUTE. JAMES M. RUSSELL, San Diego, Calif., assignor to Herbert R. McClintock, San Diego, Calif. Filed Feb. 17, 1926. Serial No. 88,851. 16 Claims. (Cl. 244—21.)



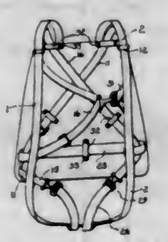
1. A parachute having an upper supporting surface and an outer continuation for said surface extending downwardly and inwardly therefrom, and means to directly interconnect the upper and lower portions of said continuation.

1,631,767. PARACHUTE PACK. JAMES M. RUSSELL, San Diego, Calif., assignor to Herbert R. McClintock, San Diego, Calif. Filed Apr. 12, 1926. Serial No. 101,420. 15 Claims. (Cl. 244—21.)



4. In a parachute pack adapted to be worn by an aviator, a container for the parachute made of flexible material and having a face piece and a plurality of side flaps connected to the edges of the face piece, a parachute within the container, a separate triangular piece of material on the opposite side of the pack from the face piece, and locking cones releasably holding the corners of said separate piece to the side flaps and to the face piece and extending through the pack to retain the parachute enclosed in position between the face piece, side flaps and the separate piece.

1,631,768. PARACHUTE HARNESS. JAMES M. RUSSELL, San Diego, Calif., assignor to Herbert R. McClintock, San Diego, Calif. Filed Apr. 22, 1926. Serial No. 103,858. 12 Claims. (Cl. 244—21.)



1. In a parachute harness, in combination, suspension straps extending down in front of the aviator's shoulders and beneath the aviator's seat in the form of a sling, a front strap extending down from one suspension strap at the front of one shoulder, crossing the chest to a point at the opposite side of the body and then returning at the front and engaging with said one suspension strap again and continuing on around back of the body for engagement with the other suspension strap, a back strap engaging the said other supension strap and extending down back over the other shoulder, crossing over at the back of the body and engaging said one suspension strap at the side of the body, a pair of leg strap attachments at the bottom of the suspension straps, and a snap hook detachably interconnecting the front strap at said point to the adjacent suspension strap so that said hook is at the side of the aviator and closely adjacent to said adjacent suspension strap.

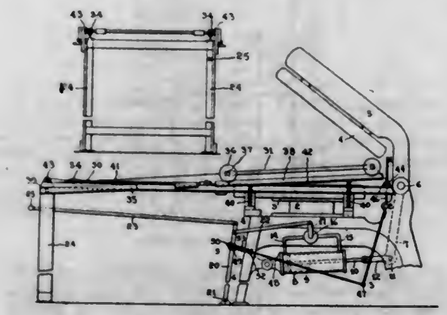
12. In combination, a parachute pack, a harness having several straps adapted to lie flat against one side of the pack, and quickly detachable connections between the said straps of the harness and the side of the pack to hold the said straps in place.

1,631,769. GAUGE ROD. NEIL E. SALSICH, Bethlehem, Pa. Filed Aug. 4, 1925. Serial No. 48,041. 10 Claims. (Cl. 238—53.)



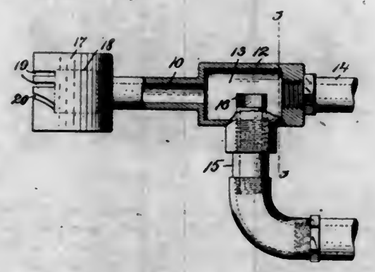
8. In a railway track construction, the combination with a pair of track rails, of a gauge rod comprising a pair of clip members in opposed relation and engaging over the outside flanges of the track rails, a rod member connecting said clip members, one of said clip members extending inwardly beyond the inner edge of the flange rail and also extending inwardly and upwardly into contiguity with the outside face of the web of said rail, an insulator member interposed between the last mentioned clip member and the rail, and means to positively prevent lateral movement of the insulator member with respect to the clip member.

1,631,770. PRESSING MACHINE FOR GARMENTS AND THE LIKE. EDWARD J. SCHREMP, Rochester, N. Y. Filed June 4, 1924. Serial No. 717,704. 4 Claims. (Cl. 68—9.)



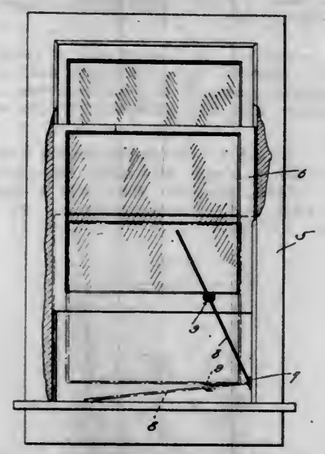
1. An ironing or pressing machine for garments and the like having in combination with the buck and the pressing head movable with relation thereto: a power means connected to the head for operating the same, a controlling means connected with the power means operative to control the movement of the power means, a work supporting tray slidable on guides for movement into and out of operative relation with the buck and pressing head, and actuating connections for the controlling means in the path of movement of the tray arranged to be actuated upon the movement of the tray into operating or pressing position to effect the lowering of the pressing head and said actuating connections being provided with means to permit the controlling means being actuated independently thereof.

1,631,771. OIL BURNER. ALBERT SHEATHER, Elizabeth, N. J. Filed Oct. 18, 1921. Serial No. 508,461. 1 Claim. (Cl. 158—78.)



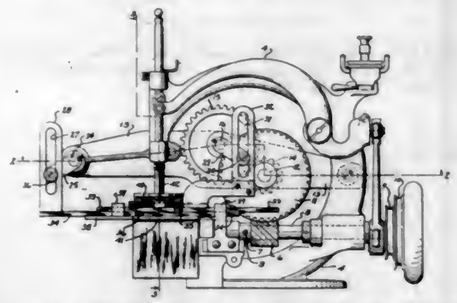
A burner comprising a one-piece casing enlarged at one end to form a mixing chamber with an end inlet and a side inlet and enlarged at the other end to form a head with a curved front and slits in the front, the upper slit being parallel with the axis of the casing and the lower slit being inclined to form an arcuate slit so that the stream emerging therefrom mixes with and arches the flame of the burner.

1,631,772. WINDOW-SASH HOLDER. ROBERT H. SHELTON, Durant, Okla. Filed Aug. 19, 1925. Serial No. 51,181. 1 Claim. (Cl. 292—276.)



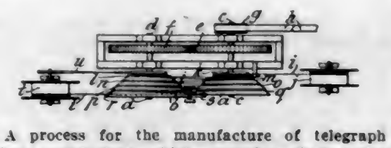
In combination with a sliding window sash, and the frame in which the sash operates, a bracket member secured to the window frame, a rod pivotally mounted in the bracket, a plate having an opening, secured to the lower rail of the sash, a shank having a head positioned in the opening of the plate and adapted to pivot with respect to the plate, said shank having an opening extending transversely therethrough, and having a threaded portion adjacent to the opening, said rod adapted to pass through the opening of the shank, and a winged nut on the threaded portion of the shank to engage the rod to clamp the rod to the shank.

1,631,773. MACHINE FOR MAKING VENTILATORS FOR WEARING APPAREL. WILLIAM I. SILVERSTEIN, Brooklyn, N. Y. Filed Nov. 15, 1924. Serial No. 750,187. 6 Claims. (Cl. 112—99.)



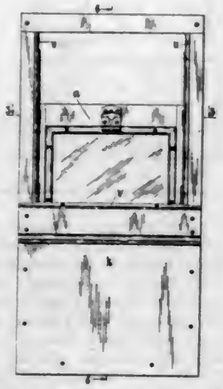
1. In a machine for making ventilators for wearing apparel, overlapping laterally sliding members for overlapping and spacing a plurality of strands, feeding and stitching mechanism for stitching together said strands cooperating with said members, and means for preventing the lateral displacement of said strands while the same are being stitched.

1,631,774. MANUFACTURE OF TELEGRAPH AND TELEPHONE CABLES. WILLOUGHBY STATHAM SMITH, Newton Poppleford, and ALFRED DEVER SHUTER, Harrow-on-the-Hill, England. Filed Jan. 2, 1925, Serial No. 293, and in Great Britain May 6, 1924. 2 Claims. (Cl. 173—81.)



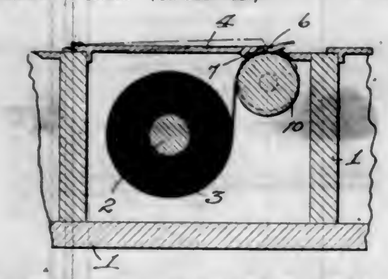
2. A process for the manufacture of telegraph and telephone conductors which comprises first laying the loading material around the conductor, then stretching the conductor, and finally annealing the loaded conductor.

1,631,775. SLIDING WINDOW OF MOTOR AND OTHER VEHICLES. JAMES MARSHALL STRACHAN, North Acton, London, England. Filed July 5, 1924, Serial No. 724,431, and in Great Britain Aug. 28, 1923. 6 Claims. (Cl. 20—52.)



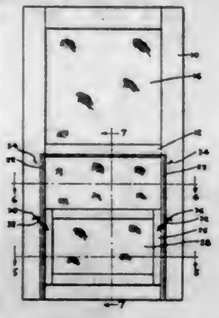
1. An improved sliding window for motor and other vehicles comprising a window sash and adjustable counterbalancing means constituted by one or more windlasses each consisting of a frame secured to the window sash; a pivot in said frame on which a drum is journalled; a wound spring surrounding said pivot and connected to it at one end and to the drum at the other; flexible members secured at one end to said drum or drums around which such flexible members are wound and secured at their other extremities to the window guide on each side of the window; means of turning the drum pivot in one direction to adjust the tension of its spring and a ratchet-wheel mounted on said pivot adapted to cooperate with a pawl to prevent its rotation in the reverse direction substantially as and for the purpose set forth.

1,631,776. PAPER-CUTTING CABINET. IRVIN R. SUNDAY, Reading Pa. Filed Aug. 2, 1926. Serial No. 126,663. 1 Claim. (Cl. 211—32.)



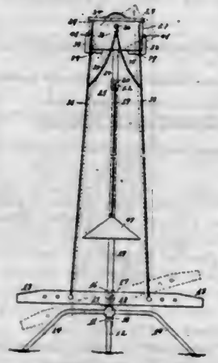
In a paper cutting cabinet, a body comprising a plurality of compartments, means for rotatively suspending rolls of paper therein, a hinged closure plate for each compartment, each plate having a cutting edge; an eccentric for each cutting plate, a lug on each cutting plate adapted to bear against said eccentric, and means for actuating the eccentric to raise the cover plate from the cabinet and to feed a relatively short length of paper therefrom.

1,631,777. STORM WINDOW. EDWARD W. VINZ, Minneapolis, Minn. Filed Feb. 15, 1926. Serial No. 88,266. 2 Claims. (Cl. 20—55.)



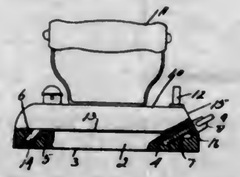
1. A storm window comprising a main frame, an intermediate cross bar for said frame of the same thickness as the side members of said frame, a pane of glass in the space above said cross bar, a lower cross bar substantially midway between said intermediate cross bar and the lower member of said frame, said lower cross bar being of reduced thickness and being flush with the outer surface of said side members, a pane of glass in the space between said intermediate cross bar and said lower cross bar, the space between said lower cross bar and the lower member of said main frame being open, slideways on the inward margins of said side members extending between said intermediate cross bar and the lower portion of the main frame, an auxiliary frame mounted in said slideways, and a pane of glass in said auxiliary frame, said auxiliary frame being disposed in a vertical plane entirely outside said lower cross bar whereby said auxiliary frame may be slid from lower position in which the glass therein closes said open space into upper position with the upper auxiliary frame member in engagement with said intermediate cross bar.

1,631,778. POULTRY FEEDER. EDOM WILLIAMS, Louisville, Ky. Filed Nov. 27, 1925. Serial No. 71,572. 10 Claims. (Cl. 119—70.)



1. A rockably-mounted reservoir, adapted to contain feed and deliver a portion thereof at each oscillation, a tilting lever below said reservoir, and connections from said lever to said reservoir whereby the tilting movements of said lever oscillate said reservoir and flexible connections between said connections and a common means on the reservoir for limiting the oscillations of the reservoir.

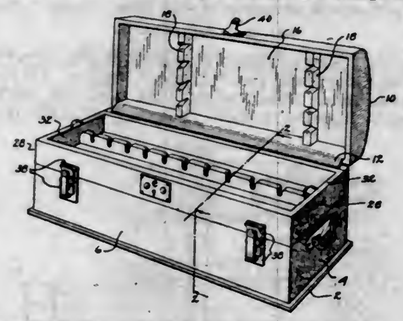
1,631,779. ELECTRIC IRON. JACOB M. WINTROB, Philadelphia, Pa. Filed Aug. 7, 1922. Serial No. 580,094. 3 Claims. (Cl. 68—26.)



1. An iron comprising a base, a top coacting therewith, means for detachably connecting the top to the base, said means including a butterfly or wing nut, said nut when in place having its wings projecting transversely of the iron and a handle fixed to the top, said handle cooperating with the wing nut when the iron is in a tilted position to act as a stand or support.

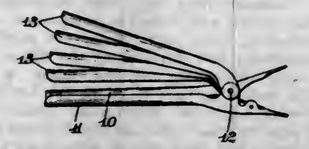
1,631,780. DISPLAY CHEST FOR SILVERWARE. ALPSCK L. ZEITUNG, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Sept. 3, 1926. Serial No. 133,344. 6 Claims. (Cl. 217—9.)

3. A display chest for pieces of silverware having, in combination, a body having end walls and front and rear walls, a support for silverware having one edge hinged to the upper edge of said front wall to permit it to be swung inwardly into substantially horizontal position and to permit it to be swung outwardly from said body, and a second support for silverware having one edge hinged to the outer edge of said first-mentioned support so as to permit it to be swung downwardly upon the upper edges of said end and front walls when the first-mentioned support is in closed position, and having upstanding front, rear and end walls, and a cover adapted to extend over the upper edges of said upstanding walls,



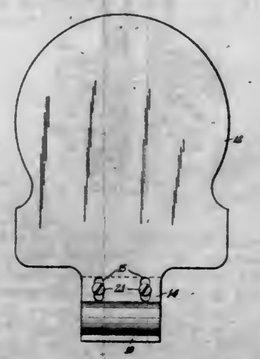
both of said supports having holders for silverware thereon which are arranged on the top sides thereof when said supports are in open position.

1,631,781. HAIR CURLER AND WAVER. GRAIG WAYNE ANDERSON, Columbus, Ohio. Filed Nov. 26, 1926. Serial No. 150,779. 4 Claims. (Cl. 132—36.)



1. Means for curling and waving hair comprising a curling rod, a longitudinally concaved blade cooperating therewith and a plurality of longitudinally concaved blades in hinged relation to said curling rod and in superposed nesting relation to one another whereby a tress curled on the rod can be waved by the plurality of blades.

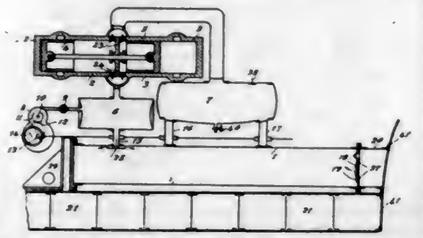
1,631,782. ADIVERTISING SIGN. LORIS R. ANDERSON, Brooklyn, N. Y. Filed Feb. 2, 1927. Serial No. 165,279. 2 Claims. (Cl. 40—125.)



1. A detachable advertising sign, consisting of a suitably shaped plate member for receiving display matter and having a narrow extension with intermediate convex portion curved substantially to a semi-circle and the extreme outer end of the extension being turned outwardly to provide a locking lip; a clamping element adapted to cooperate with the convex portion for affording a substantially circular holding member and consisting of a narrow strip having an intermediate concave portion curved substantially to a semi-circle, the lower

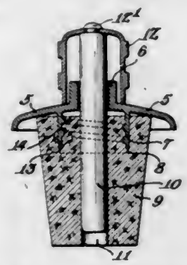
end thereof being bent over to provide a hook to receive the said lip; and means to removably secure the upper portion of the clamping element and the upper portion of the said narrow extension to each other.

1,631,783. ARRANGEMENT FOR HYDRAULIC INTERNAL-REACTION PROPULSION. ORESTE ANGELINI, Rome, Italy. Filed Nov. 27, 1926, Serial No. 151,233, and in Italy Dec. 3, 1925. 1 Claim. (Cl. 115—15.)



Arrangement for hydraulic internal reaction propulsion comprising: several propelling tubes working successively, a non-rotatable internal combustion moto-compressor with a single driving and compressing piston, a balancing receptacle communicating with the compressor, during the sucking period, and with the compressed air outlet of the propelling tubes, a valve for the rapid flooding of each propelling tube provided at the end of the tube communicating with the external water, a deviator within each propelling tube to oblige the air threads to deviate horizontally, the distribution being controlled in such a way that the water contained in the propelling tubes flows out only partially not to uncover and expose to the compressed air the outlet ports.

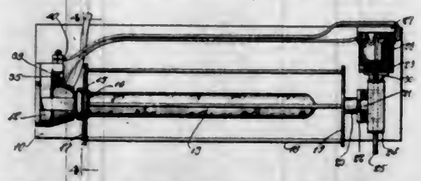
1,631,784. DISPENSING BOTTLE STOPPER. EDWIN H. BARKER, Moylan, Pa., assignor to A. H. Wirz, Inc., Chester, Pa., a Corporation of Pennsylvania. Filed July 9, 1921. Serial No. 483,429. 1 Claim. (Cl. 215—48.)



A cork having an interior pouring opening and a slit about the opening, in combination with a flanged top member having a depending shank adapted to enter the slit and having an interior thread-like projection extending laterally from the shank to increase the grip of the shank upon the cork and the resistance to expansion of the cork about its interior opening and a plug fitting the interior opening.

1,631,785. DISPLAY DEVICE. JOHN B. BARNETT, Philadelphia, Pa., assignor of one-half to William G. McCann and one-half to Arthur E. Spellissy, Philadelphia, Pa. Filed Mar. 30, 1925. Serial No. 19,406. 1 Claim. (Cl. 40—77.)

In a device of the kind described, a base, a standard fixed to said base, a second standard fixed to said base in spaced relation to the first standard, a frame consisting of a pair of plates and rods connecting the same, a lamp socket carried by the second standard and having one portion thereof arranged to constitute a journal, one plate of said frame having an opening fitting said journal and constituting a bearing for the frame, the first standard having an opening in its top and the second plate of the frame being provided with an extension constituting a journal for the frame and fitting the opening in the first standard, a ratchet wheel mounted on the last mentioned journal, a bracket of inverted J-shape having its longer leg fixed to the base, said bracket having its upper portion overhanging the ratchet and its terminal portion



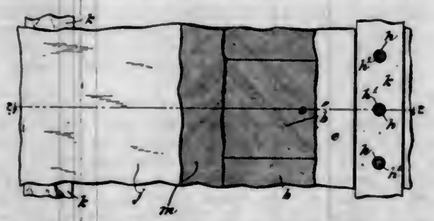
depending in parallel relation to the longer leg, a rod aligned above the ratchet and slidably mounted in the longer leg and terminal portion of the last mentioned bracket, a pawl pivoted to said rod and having one end depending therefrom to engage the ratchet and the remaining end extending over the rod to limit movement of the pawl in one direction, a second bracket mounted on the base in alignment with said ratchet, a magnet carried by the last mentioned bracket, an armature pivoted below said magnet, and an arm carried by said armature and connected to said rod whereby to move the rod upon energization of the magnet and thereby actuate the ratchet.

1,631,786. SHOE-TREE. STEFANO BATTILANI, New York, N. Y. Filed Apr. 15, 1926. Serial No. 102,179. 3 Claims. (Cl. 12—128.1.)



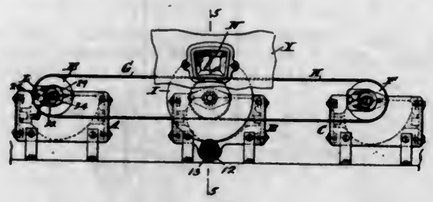
1. A shoe tree comprising, a flexible arched toe piece having inturned flaps on each of its sides, said inturned flaps being curved in cross section and adapted to rest against the inner sole of the shoe and cause said toe piece to gently conform with the contour of the fore part of the shoe, and a rearwardly extending member to engage with the rear of the shoe, said member being flexible.

1,631,787. BUILDING-WALL CONSTRUCTION. GEORGE L. BENNETT, Cleveland Heights, Ohio. Filed Sept. 21, 1926. Serial No. 136,742. 9 Claims. (Cl. 72—32.)



1. A building wall construction embodying therein spaced, fixed studs, substantially non-inflammable, non-absorbent, pre-formed slabs mounted between and secured in relation to adjacent studs, metal reinforcement at one side of said slabs, means secured to said studs supporting said metal reinforcement and spacing it from said studs and said slabs, a plaster facing upon said slabs and about said reinforcement, a metal reinforcement at the other face of said slabs, means secured to said studs supporting said reinforcement and spacing it from said studs and said slabs, and a plaster surfacing upon said slabs and about said last named reinforcement.

1,631,788. CONDENSER-OPERATING MECHANISM FOR VARIABLE CONDENSERS. MORRIS H. BENNETT, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 28, 1926. Serial No. 112,250. 4 Claims. (Cl. 74—7.)



1. A driving device for circuit tuning elements, said driving device comprising a rotatable shaft for varying the tuning element, a wrist pin carried by the shaft, an eccentric, means for rotating said eccentric about an axis coincident with the longitudinal axis of the shaft, a rotatable member loosely mounted on the shaft, a double yoke device pivoted on said rotatable member and provided with two pairs of arms, one pair receiving the wrist pin between them and the other pair receiving the eccentric between them, and means carried by the eccentric for alternately engaging and driving either arm of the pair between which the eccentric is located to rotate the yoke, as an entirety, about the axis of the shaft.

1,631,789. MANUFACTURE OF PAPER PULP. JAMES BROOKES BEVERIDGE, Richmond, Va. Filed Apr. 13, 1925. Serial No. 22,884. 4 Claims. (Cl. 92—9.)

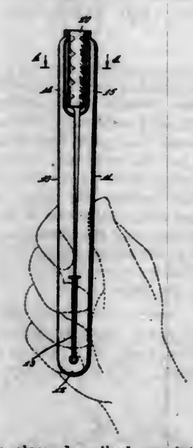
1. The method of treating woods and other fibrous substances for the production of pulp which comprises the cooking of the said woods and other fibrous substances in a mixture of sodium hydrate and sodium sulphide in aqueous solution, and of waste liquor obtained from the digestion of woods and other fibrous substances in solution of sodium acid sulphite.

1,631,790. FISHING REEL. JOHN BRISLIN, Brooklyn, N. Y. Original application filed Feb. 8, 1926, Serial No. 86,772. Divided and this application filed Dec. 11, 1926. Serial No. 154,064. 3 Claims. (Cl. 242—84.7.)



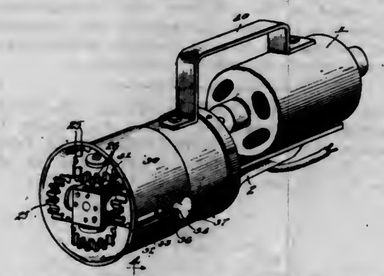
1. In a reel, a spool-shaft and means for rotating it, a collar loosely mounted on said spool-shaft, a stud, means on the exterior of the reel for partially rotating said stud, a spring coiled upon and secured at one end to said stud and having a finger arranged to press frictionally upon said collar, a ratchet wheel on said stud, and a spring-actuated detent adapted to engage said ratchet wheel.

1,631,791. GUM MASSAGING AND CLEANSING DEVICE. THOMAS A. BUCKLEY, Brooklyn, N. Y. Filed Aug. 17, 1925. Serial No. 50,770. 1 Calim. (Cl. 15—167.)



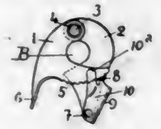
A device of the class described consisting of a length of resilient material formed to provide a pair of side arms having a connecting bight at one end integral therewith, an element within the bight and connected within the bight and side arms and connected thereto for normally effecting relative separation of the opposite free ends, the said opposite free ends having inwardly converging faces presenting relatively narrow inner edges, the said edges formed with a series of longitudinally spaced arcuate cut-away portions defining gripping teeth between which the article to be supported is adapted to be gripped by inward swinging movement of the side arms.

1,631,792. MASSAGING DEVICE. WILLIAM B. BURNLEY, Long Beach, Calif. Filed Jan. 17, 1925. Serial No. 3,162. 3 Claims. (Cl. 128—57.)



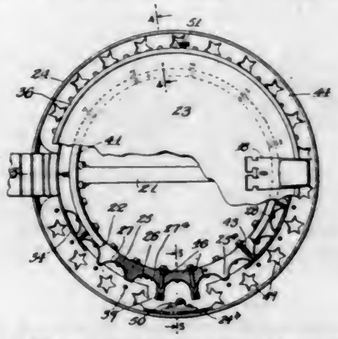
1. A massaging apparatus comprising a gear casing having its inner end closed and its outer end open, a bracket projecting from the closed end of the casing, an electric motor mounted on the bracket and having its armature shaft projecting into said casing, a pinion on the shaft within the casing, a shaft mounted in the gear casing, a ring gear carried by the inner end of the shaft and with which the said pinion meshes, a member secured to the outer end of said shaft and having a plurality of radial studs, rollers loosely mounted on the studs, a guide sleeve having a flared end and adjustably secured to the gear casing, and a handle secured to the peripheries of the motor and gear casing.

1,631,793. CLIP FOR HAIR-WAVING SACHETS. ISIDORO B. CALVETE, London, England. Filed Nov. 6, 1926, Serial No. 146,789, and in France Jan. 2, 1926. 3 Claims. (Cl. 132—36.1.)



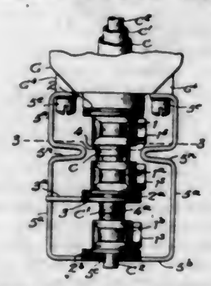
1. A clip for hermetically constringing and closing the open end of hair waving sachets comprising in combination a pair of flat arcuate jaws pivotally connected and so shaped as to innerly delineate a recess of varying area, the one jaw having one part folded upon itself into a finger piece and ratchet teeth on its outer curvature and the other jaw being fitted at its end opposite the pivot with a channelled rocker the outer part of which is formed as a finger rest whilst one of its wing portions is cut as a pawl for securely engaging the teeth on the companion jaw when inwardly swung and both wing portions have tongue-like extensions for guiding the mutual displacement of the jaws.

1,631,794. STRINGED INSTRUMENT. ROCCO A. CARLUCCI, West New York, N. J. Filed June 9, 1924. Serial No. 718,743. 15 Claims. (Cl. 84—272.)



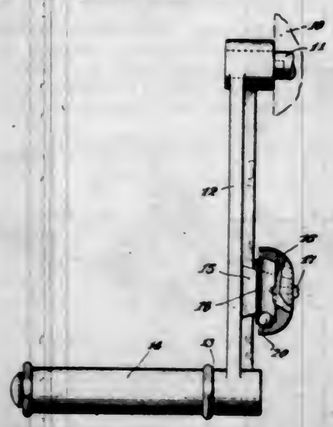
1. A banjo of the class described, the parchment supporting rim of which comprises a continuous circular body provided in the periphery with circumferentially spaced recesses extending through the top and bottom faces of said rim and forming about the periphery of the rim, spaced sound transmission chambers.

1,631,795. STEERING-POST CONTROL. FRANKLIN F. CHANDLER and RAYMOND E. YOUNG, La Fayette, Ind., assignors to Ross Gear & Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed Dec. 16, 1926. Serial No. 155,190. 17 Claims. (Cl. 74—89.)



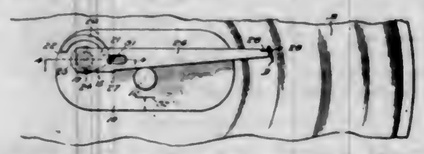
1. In combination with a steering post, a control tube; a lever attached to the lower end of the control tube; frictional means for holding the lever, and a resilient hanger attached to the post below the tube for holding said means in frictional contact.

1,631,796. SPEED INDICATOR. THOMAS COLLINS, Jr., Bainbridge, N. Y., assignor to The American Separator Company, Bainbridge, N. Y., a Corporation of New York. Filed Dec. 9, 1925. Serial No. 74,282. 1 Claim. (Cl. 116—74.)



In a speed indicator, a crank arm, a bracket carried by the crank arm, a bell, an open ended slideway lying in an offset position within the bell with the open ends thereof adjacent oppositely disposed surface portions of the bell, a reciprocating member in the slideway, and a unitary means for simultaneously securing the bell to the crank arm bracket and connecting the slideway in its offset position within the bell.

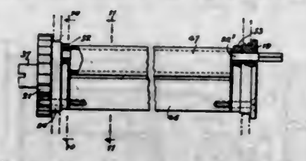
1,631,797. REPEATING ATTACHMENT FOR SOUND-REPRODUCING MACHINES. CHARLES J. COOKE, Washington, D. C., and JOHN A. RENNIE, New York, N. Y., assignors to Charles E. Sheppard, Long Island City, N. Y. Filed Sept. 25, 1923. Serial No. 664,740. 7 Claims. (Cl. 274—15.)



1. In a repeating attachment for sound reproducing machines, the combination with a supporting base, of an actuating arm pivoted eccentrically upon said base, means cooperating with said arm for causing its free end to engage a reproducing needle to lift and return the same to its starting point, and a hollow thimble having a split tubular lining of spring material and of downwardly converging form permanently driven into said thimble for holding the attachment in operative position.

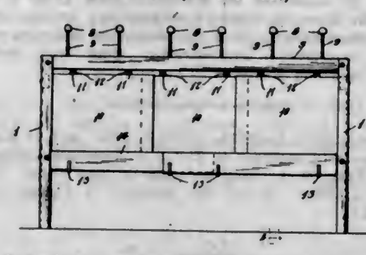
1,631,798. SANDING ROLLER. GEORGE HOWARD DAVOL, New York, N. Y. Filed July 6, 1925. Serial No. 41,820. 1 Claim. (Cl. 51—194.)

In a sanding roller a gripping structure for gripping a sheet of abrading or polishing material, said gripping structure including a pair of jaws, one jaw being stationary and the other movable, a looped spring carried by said jaws at each end, said springs acting to force the movable jaw from the stationary jaw, each of said springs having a slot, said movable jaw having an aperture adjacent each of said slots, a pin carried by the stationary jaw at each end and extending through the respective slots and through the respective apertures for



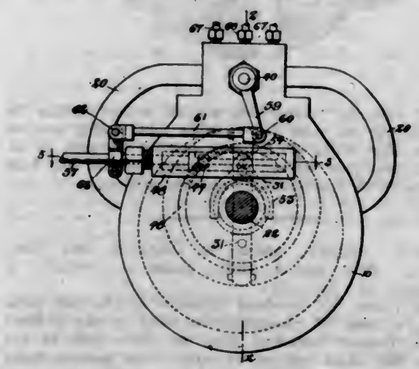
guiding the movable jaw and the springs as they function, and a manually actuated rotatable cam for causing the movable jaw to be closed against the action of said springs.

1,631,799. SANITARY POULTRY ROOST. EDGAR O. DORSEY, Montpelier, Ind. Filed Feb. 6, 1926. Serial No. 86,499. 3 Claims. (Cl. 119—22.)



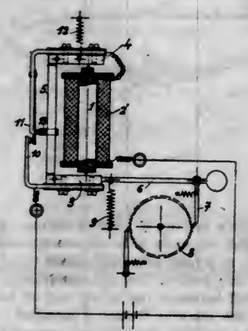
1. A poultry roost, comprising a portable frame including upper and lower horizontal bars on its front and back sides, the upper bars supporting roost bars arranged transversely of the frame, one of said upper bars having loops secured to its under side, a droppings plate, hooks secured to one edge of said plate and removably engaging said loops, the opposite edge of said plate supported by the lower horizontal bar on the opposite side of the frame, brackets secured to the last mentioned lower horizontal bar and extending outwardly of the frame, and a trough supported on said brackets under the lower edge of the droppings plate.

1,631,800. HYDRAULIC BRAKE. FRITZ DOTSCH, White Plains, N. Y. Filed July 14, 1926. Serial No. 122,405. 8 Claims. (Cl. 188—90.)



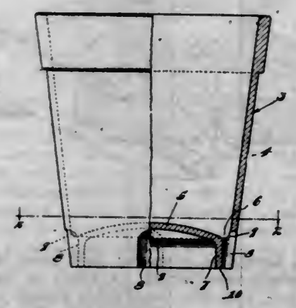
1. A hydraulic brake comprising a stator having a liquid chamber, a valve casing, a valve member in said valve casing, a passage in communication with the interior of the valve casing and said chamber, a by-pass in communication with said chamber and said passage at each side of the valve member, a rotor body operable in said chamber and arranged eccentrically with respect to the cylindrical wall thereof, radial retarding blades arranged for movement in a recess in said rotor body, means having a normal tendency to urge said blades radially outward to maintain their outer edges in contact with said cylindrical wall, said blades adapted to move against the liquid in said chamber to obtain the braking action, the movement of the liquid being under control of said valve member, and means for actuating said valve member.

1,631,801. ELECTROMAGNETIC DEVICE PRODUCING A CONSTANT MOVING FORCE. ALBERT EPITAUX, Paris, France. Filed Aug. 22, 1925, Serial No. 51,740, and in France Sept. 2, 1924. 3 Claims. (Cl. 172—126.)



1. An electro-magnetic motor, comprising a soft iron core of reduced section at one end, a winding carried by said core, a fixed yoke completing the magnetic circuit, a first armature placed on the side of larger section of the core, a lever extending said armature on one side, a contact piece placed on the other side of the armature, a second armature opposite the smaller diameter of the core, a contact piece carried by said armature opposite the contact piece of the first armature, and means to draw the armatures back in their inactive position.

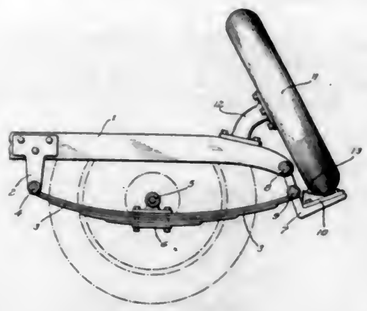
1,631,802. FLOWERPOT. FRANK EVERT, Chicago, Ill. Filed Feb. 9, 1926. Serial No. 86,993. 2 Claims. (Cl. 47—34.)



1. A flower pot comprising a side wall having a thickened supporting flange at the lower end thereof, a bottom for the pot at the upper end of the supporting flange and forming a drain trench with the side wall;

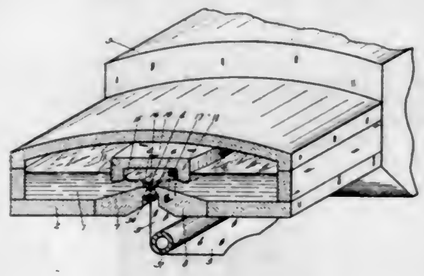
and channels in the form of grooves extending into the body of the supporting flange from the outer face thereof in communication at their upper ends with said trench, substantially as described.

1,631,803. VEHICLE. THOMAS J. FAY, Brooklyn, N. Y. Filed Dec. 5, 1925. Serial No. 73,397. 9 Claims. (Cl. 267—31.)



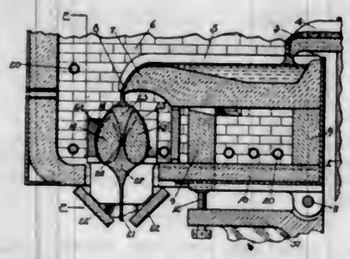
1. In a vehicle having a chassis frame and axle, a suspension element at each side of the chassis frame, each connected at a point intermediate of its ends to the axle, and at one end to the chassis frame, a shackle element connected between the other end of each suspension element and the chassis frame, a member secured to and connecting the shackle devices on opposite sides of the vehicle and having an abutment surface intermediate of its ends, and a resilient device carried by the chassis frame and engaging with said abutment surface, whereby relative movements of the frame and axle will be resisted by said resilient device.

1,631,804. METHOD AND APPARATUS FOR PRODUCING SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 21, 1922. Serial No. 583,346. 12 Claims. (Cl. 49—17.)



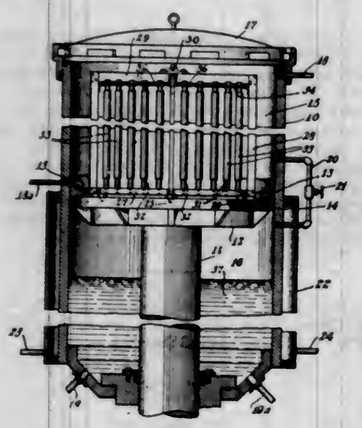
1. In the method of producing sheet glass by moving the glass downwardly through an orifice in the molten-glass container, that step wherein the surface portion of the molten glass directly overlying the orifice is isolated from the main body of glass and an increased surface tension is created in this isolated section, by providing spaced clinging surfaces to which the edges of the isolated body of glass may adhere.

1,631,805. DRAWING SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 15, 1924. Serial No. 713,447. 11 Claims. (Cl. 49—17.)



1. In an apparatus for producing sheet glass, a pair of similar directing members between and around which molten glass flows to form the sheet, the members varying in cross-section symmetrically from their centers toward each end thereof.

1,631,806. VULCANIZING APPARATUS. ROY D. FRITZ, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 2, 1926. Serial No. 120,131. 5 Claims. (Cl. 18—6.)



1. A vulcanizer comprising a tank, a ram having its head within the tank for lowering and raising articles therein, and means on the side wall of the tank at an intermediate part thereof for sealing against the ram head to divide the tank into two compartments.

1,631,807. FRAME. MAUDE M. GILLETTE, New York, N. Y. Filed May 8, 1926. Serial No. 108,207. 4 Claims. (Cl. 40—152.)

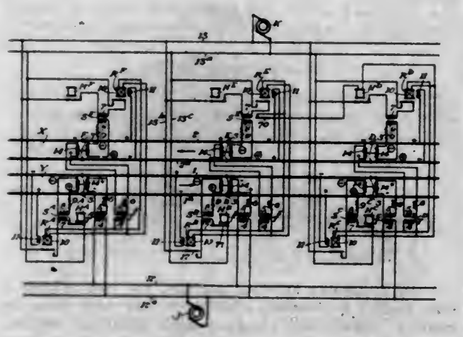
1. A frame for enclosing pictures or the like, comprising a sheet of transparent material having a front portion thereof extending over the front face of the frame, the outer margin of said front portion being marked to simulate a wooden frame, said sheet extending integrally about certain of the sides of said front portion and further projecting rearwardly and inwardly thereof, said sheet terminating at one of the remaining sides of said front portion to provide an opening for the insertion

and removal of the picture, a sheet of stiffening material serving as the back of the frame, means for permanently securing said inwardly projecting portions to



said sheet of stiffening material, and means engaging said sheet of transparent material for supporting said frame.

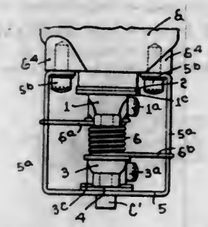
1,631,808. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. ROBERT M. GILSON, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 19, 1924. Serial No. 732,927. 11 Claims. (Cl. 246—37.)



1. In combination, a section of railway track along which traffic moves in one direction, a source of alternating track circuit current of one frequency connected with the rails adjacent the entrance end of said section, means controlled by traffic conditions in advance of said section for supplying alternating train governing current of a different frequency to the rails adjacent the exit end of the section, and a track relay receiving energy from the rails adjacent the exit end of said section and responsive to said track circuit current but not to said train governing current.

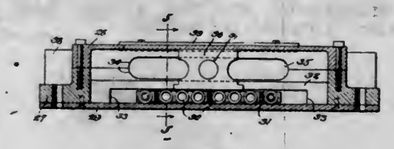
1,631,809. STEERING-POST CONTROL-LEVER ASSEMBLY. EUGENE J. GRUENEWALD and DAVID E. ROSS, La Fayette, Ind., assignors to Ross Gear & Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed Nov. 15, 1926. Serial No. 148,554. 10 Claims. (Cl. 74—39.)

1. In combination with a steering post, a control tube extending through the post, means on the upper end of the control tube for turning the same; a lever attached to the lower end of the control tube; a hanger attached to the post below the tube; frictional means for holding the lever and a spring for holding said means in frictional



contact, said frictional means and spring being concentric with the tube, and said hanger holding the frictional means and spring in operative position.

1,631,810. BEARING FOR GRAIN SEPARATORS. PERRY F. GRUVER, Amarillo, Tex. Filed Feb. 5, 1925. Serial No. 7,086. Renewed Apr. 28, 1927. 2 Claims. (Cl. 308—6.)



2. A bearing for reciprocating shafts of separators, including an elongated housing having an elongated opening in one wall thereof, a roller cage within the housing, rollers within the cage, a shoe adapted to operate over the rollers, a shaft extending through the opening and having connection with the shoe to move therewith, and means carried by the shaft for normally closing the elongated opening.

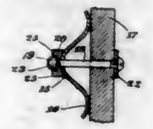
1,631,811. CONVERTIBLE CHAIR. EMIL GUENTHER, Philadelphia, Pa. Filed Dec. 19, 1923. Serial No. 681,464. 1 Claim. (Cl. 155—46.)



In a chair of the character stated, a back, means for enabling said back to be entirely removed from the chair in the formation of a bed, legs, side frame members and a seat extending therebetween, composed of slats alternately arranged and movable outwardly in opposite directions when a bed is to be formed, a combined drawer and foot rest slidably mounted between said side frame members and below the seat of said chair, comprising a bottom, front, rear and side walls and legs at each of the front corners of said drawer shorter than the legs of said chair, means for limiting the outward movement of said drawer and for permitting the latter to incline downwardly when open, the top edges of the side walls of said drawer having corresponding and aligned recesses and re-

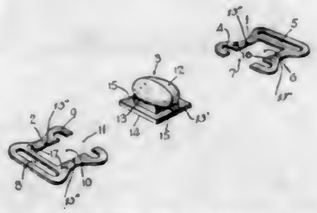
movable transverse foot rest members having their ends seated within said recesses, and adapted to be removed therefrom and to be contained in said drawer when the latter is closed.

1,631,812. END STRUCTURE FOR RAILWAY CARS. ROBERT D. HAWKINS, Wilmington, N. C. Filed Nov. 26, 1923. Serial No. 676,974. 2 Claims. (Cl. 85—50.)



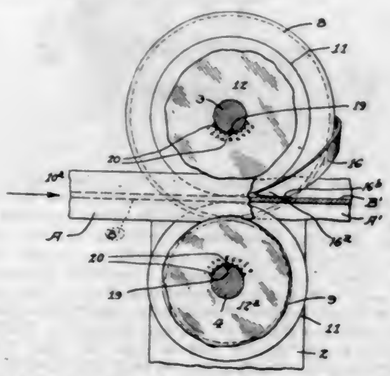
1. In a metallic panel having a corrugation formed therein with an outwardly projecting curved surface, a washer with an interior concave surface engaging said outwardly curved surface, said washer having a recessed exterior surface, and a bolt having a nut bearing upon said recessed surface.

1,631,813. HOSE-SUPPORTER STRUCTURE. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 3, 1926. Serial No. 133,331. 8 Claims. (Cl. 24—245.)



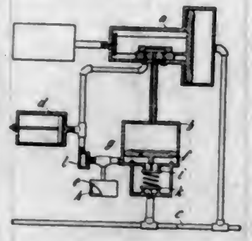
1. A base plate structure for hose supporters comprising a pair of button-receiving plates, each plate being provided with an open-ended slot, and said plates being disposed so that said slots extend in opposite directions with the open end of the slot in one plate closed by the material of the other plate adjacent the closed end of the slot in the other plate.

1,631,814. CAME MACHINE. WILLIAM HENDERSON, New York, N. Y. Filed Nov. 10, 1924. Serial No. 748,878. 10 Claims. (Cl. 80—30.)



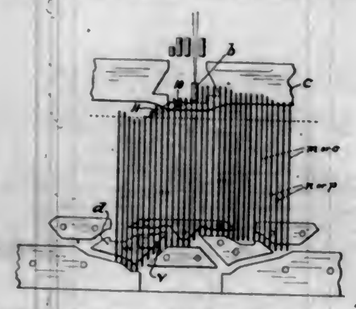
1. A mill for rolling glazing bars or cames, comprising multiple rolls having roll sections engaging the edges of the came leaves with irregular peripheries.

1,631,815. BRAKE ACCELERATOR FOR SINGLE-CHAMBER COMPRESSED-AIR BRAKES. WILHELM HILDEBRAND, Lichterfelde, Berlin, Germany. Filed Dec. 30, 1926, Serial No. 158,056, and in Germany Nov. 20, 1925. 2 Claims. (Cl. 303—39.)



1. In a brake accelerator for single chamber compressed air brakes of the character referred to, the combination with a train pipe, a brake cylinder, connections between said pipe and cylinder, and an emergency valve controlling flow of air from said pipe to the brake cylinder through said connections, of an auxiliary chamber in communication with said connections between the train pipe and brake cylinder, for the purpose described.

1,631,816. CIRCULAR-KNITTING MACHINE. HAROLD E. HOUSEMAN, Wilmington, Del., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 3, 1924. Serial No. 753,562. 18 Claims. (Cl. 66—40.)

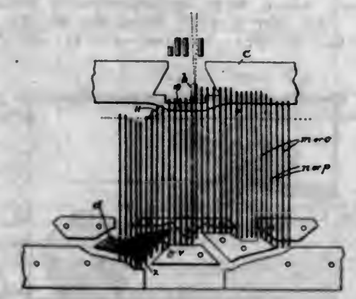


1. In a circular knitting machine, the combination of yarn feeding mechanism, needles provided with butts and some of which are provided with shoulders substantially shorter than the butts, certain of said shoulders being shorter than other shoulders, a stitch cam adapted to engage needle butts to effect the depression of the needles, the stitch cam having an overhanging portion forming a supplemental cam adapted to engage the shoulders of shouldered needles to effect their depression at a point sufficiently in advance of the point of depression of other needles to cause shouldered needles to escape knitting engagement with the yarn, said stitch cam being movable into one position to cause its supplemental cam to engage the shoulders of all the shouldered needles and into another position to cause its supplemental cam to engage only the wider shoulders and into still another position to cause its supplemental cam to escape engagement with all the shoulders, and pattern mechanism controlling the position of the stitch cam.

1,631,817. CIRCULAR-KNITTING MACHINE. HAROLD E. HOUSEMAN, Wilmington, Del., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 27, 1926. Serial No. 104,883. 9 Claims. (Cl. 66—40.)

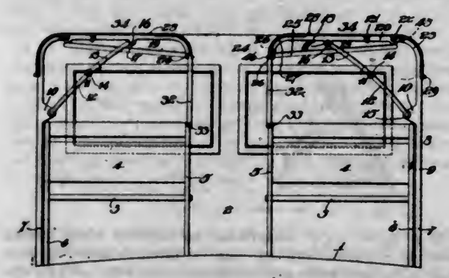
1. In a circular knitting machine, the combination of needles provided with butts and some of which are provided with shoulders substantially shorter than the butts,

certain of said shoulders being shorter than other shoulders, a stitch cam adapted to engage needle butts to effect the depression of the needles, the stitch cam comprising a movable member and relatively fixed member, the movable member of the stitch cam having an element adapted to engage the shoulders of shouldered needles to effect their depression at a point in advance of the point of depression of other needles, the fixed member of the stitch cam being adapted to engage the needles depressed



by the movable member to complete their movement of depression, the movable member of the stitch cam being movable into one position to cause its shoulder-engaging element to engage the shoulders of all the shouldered needles and into another position to cause its shoulder-engaging element to engage only the wider shoulders and into still another position to cause its shoulder-engaging element to escape engagement with all the shoulders, and pattern mechanism controlling the position of the stitch cam.

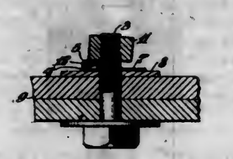
1,631,818. SEMI-INCLOSED COLLLAPSIBLE UPPER-DECK ROOF. ALBERT E. HUTT, Ardmore, Pa. Filed Apr. 15, 1925. Serial No. 23,209. 14 Claims. (Cl. 296—107.)



1. In a device of the character stated, an upper deck, a central aisle therefor, an upper deck collapsible roof structure thereon, transversely foldable jointed carlines therefor extending transversely of said upper deck to said aisle, and having their outer ends pivotally supported above said upper deck and foldable bows having their lower ends pivotally mounted above said upper deck and their upper ends pivotally connected to the inner sections of said carlines.

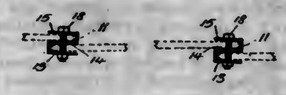
1,631,819. NUT LOCK OR FASTENER WASHER. JAMES W. IVORY, Philadelphia, Pa. Filed Oct. 11, 1922. Serial No. 593,676. 1 Claim. (Cl. 151—38.)

In combination two members arranged to be rigidly bolted together, a cylindrical bolt, the major portion of which is screw-threaded and which screw-threads extend entirely through said members, a washer fitted over the screw-threaded portion of said bolt, a nut-lock comprising a plate having a central circular hole for insertion over the extended screw-threaded portion of said bolt, said plate having one end bent downwardly thereunder to provide a hollow, rib-like and laterally extended, resilient



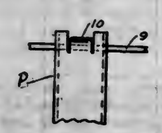
portion for resting upon the top of said washer, the opposite end of said plate being flat for free abutment upon said washer, and a nut for said bolt one lower edge of which nut abuts upon said rib-like, deflected, lateral, resilient portion of said plate, and the opposite lower edge of the nut being entirely free of both the plate and washer.

1,631,820. FENCE POST. CHARLES K. JACKSON, Columbus, Ohio. Original application filed Dec. 28, 1925, Serial No. 77,319. Divided and this application filed June 28, 1926. Serial No. 119,026. 1 Claim. (Cl. 256—69.)



A fence post formed from a single section of sheet metal, of S-shape and presenting spaced and connected webs and oppositely opening longitudinal side grooves, the said webs having alined openings adjacent to their upper ends, for the purpose described.

1,631,821. WIRE CONNECTION. CHARLES K. JACKSON, Columbus, Ohio. Filed Oct. 5, 1926. Serial No. 139,668. 1 Claim. (Cl. 256—48.)

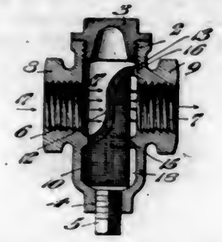


A fence post having a wire receiving notch extending down from its upper end and having an angularly disposed plate at one side of the notch, said plate having spaced apart slits forming a tongue therebetween adapted to be bent to overlie a wire extending through the notch.

1,631,822. SCREEN. FREDERICK L. JAHN, Philadelphia, Pa., assignor to Watson & McDaniel Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 19, 1925. Serial No. 69,957. 5 Claims. (Cl. 210—165.)

1. In a device of the character stated, an elongated tubular housing having a fluid passageway extending transversely through the upper portion thereof at substantially a right angle thereto and in substantially a straight path, a sediment chamber in the lower portion of said tubular housing below the level of said fluid passageway, an upper spacing and supporting rib projecting from the inner surface of said housing and formed integral therewith, extending from the upper portion of the outlet end of said passageway to the bottom of the inlet end of said passageway, a substantially horizontal

lower spacing and supporting rib directly below the lower level of the fluid passageway on the outlet side thereof, having its terminals spaced a suitable distance from the

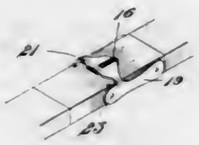


upper spacing and supporting rib; the bearing surfaces of said two ribs being cylindrical in shape and substantially coaxial with the tubular housing.

1,631,823. PURIFYING GASES. JOSEF JANNEK, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed June 8, 1925, Serial No. 35,781, and in Germany June 16, 1924. 2 Claims. (Cl. 23—3.)

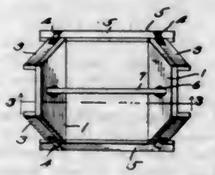
1. The process of removing iron carbonyl vapors from gases containing the same which consists in passing the said gases over active absorbing material and acting on the latter with a substance chemically reacting on iron carbonyl until the absorbing mass is substantially saturated with the reaction product of iron carbonyl and the chemically reacting body and then regenerating the mass.

1,631,824. SAFETY CATCH. PERCIVAL W. JONES, Warwick, R. I., assignor to Louis Stern Company, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 20, 1926. Serial No. 130,447. 6 Claims. (Cl. 24—230.)



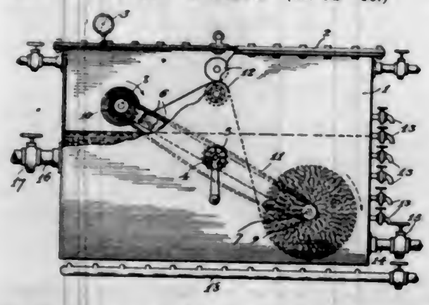
1. In an ornamental chain, including terminal links, a compressible part carried by one of said links, and a catch part carried by the other of said links and engageable with the compressible part when noncompressed, a finger-piece carried by said compressible part for operating the same, a yoke having arms hinged to the sides of one of the terminal links of the chain and swingable over the finger-piece to prevent manual manipulation of the finger-piece for detaching the terminal links of the chain.

1,631,825. CONCRETE FORM. THOMAS M. JONES, Garden City, Kans. Filed Feb. 21, 1927. Serial No. 169,943. 3 Claims. (Cl. 25—118.)



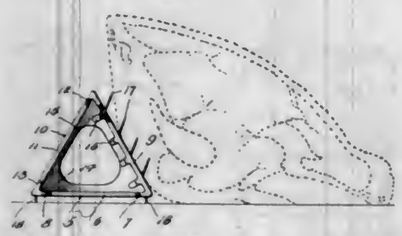
1. A form of the class described including side panels diverging upwardly and each having upwardly converging front and back edges, a brace interposed between and connecting the side panels, cleats upon the outer sides of said panels along the converging edges thereof, and bottom strips connecting the cleats of opposed panels, there being an open space between the bottoms of the side panels.

1,631,826. APPARATUS FOR SATURATING MATERIALS. LESTER KIRSCHBRAUN, Chicago, Ill., and CHESTER E. RAHR, Boston, Mass., assignors to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed May 9, 1921, Serial No. 467,831. Renewed Dec. 19, 1924. 3 Claims. (Cl. 91—46.)



1. In an apparatus of the character described, the combination with an air tight receptacle adapted to contain a heated liquid saturant, of a shaft passing therethrough, arms carried by said shaft and adapted to rock therewith in the receptacle, rotatable spools at each end of said arms, means for driving said spools by the rotation of said shaft, said spools being capable of an oscillatory movement in the receptacle, and means for imposing a pressure on the saturant in said receptacle.

1,631,827. MEAT JACK. JOSEPH LANTAGNE, Centerdale, R. I. Filed Dec. 2, 1926. Serial No. 152,221. 4 Claims. (Cl. 146—218.)

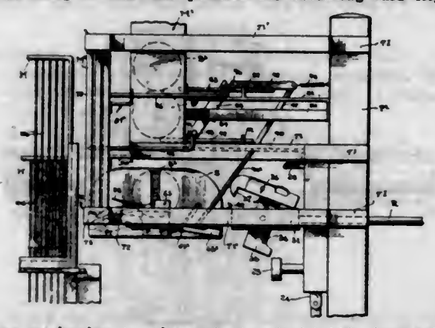


2. A meat "jack" comprising an inclined plate having meat penetrating prongs, and a prong-supporting base rigid with said plate and itself provided with prongs, the latter being adapted to anti-slippingly engage a butcher's block or other support.

1,631,828. BOBBIN-FEEDING MECHANISM FOR LOOMS. JONATHAN LUCAS, New York, N. Y., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1922. Serial No. 609,274. 2 Claims. (Cl. 139—241.)

1. In a bobbin feeding mechanism for looms, a bobbin magazine arranged to contain a supply of new bobbins, tripping mechanism for holding said bobbins normally in the magazine, a shuttle having a path of travel which extends into receiving relation to said magazine, supporting devices on said shuttle controlled by the supply of yarn on the bobbin in said shuttle and automatically adjustable to a position as the yarn is used up, to permit the empty bobbin to drop in said shuttle, a yieldable

device for receiving and holding the empty bobbin in its dropped position, and means adjusted by one of said supporting devices into position for actuating said tripping mechanism to release the terminal bobbin from said magazine and to permit it to drop into the shuttle and to push the empty bobbin from said yieldable device.



1,631,829. CEREAL-BEVERAGE COMPOUND. LAUREL A. NEGLY and PERCY S. BLACK, Fort Worth, Tex. Filed Nov. 4, 1926. Serial No. 146,282. 11 Claims. (Cl. 99—11.)

1. A cereal beverage compound comprising whole roasted cereal and roasted peanuts.

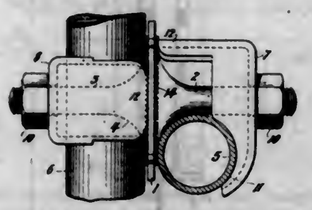
10. A cereal extract comprising a mixture of whole roasted wheat, whole roasted rye, whose roasted barley, roasted peanuts, wheat bran, brown sugar, honey, malt syrup, raisins, figs, and licorice boiled down with water to a syrupy liquid.

1,631,830. PREPARING CEREAL-BEVERAGE COMPOUNDS. LAUREL A. NEGLY and PERCY S. BLACK, Fort Worth, Tex. Filed Nov. 6, 1926. Serial No. 146,580. 4 Claims. (Cl. 99—11.)

1. A process of preparing a cereal beverage compound which comprises boiling a mixture of brown sugar, honey, raisins, figs, and water, mixing the resultant mass with wheat bran, and then roasting the same, and mixing the roast with whole roasted cereal and roasted peanuts.

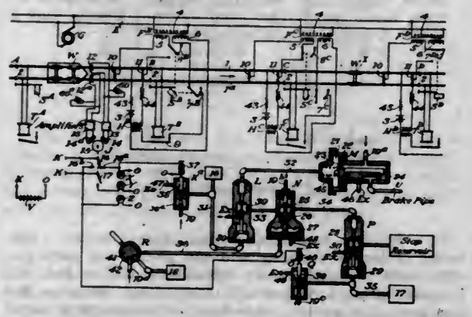
4. A process of preparing a flavoring extract which comprises boiling a mixture of brown sugar, honey, malt syrup, ground raisins, ground figs, and water, adding licorice to the resultant mass, mixing the same with wheat bran and roasting, mixing the roast with whole roasted wheat, whole roasted rye, whole roasted barley, and roasted peanuts, and boiling the resultant mixture in water until a syrupy liquid is obtained.

1,631,831. COUPLING OR CLAMPING DEVICE FOR SCAFFOLDING AND OTHER FRAMEWORK STRUCTURES. DANIEL PALMER JONES, Stockwell, London, England, assignor of one-half to Scaffolding (Great Britain) Limited, Stockwell, London, England. Filed Sept. 16, 1926, Serial No. 135,714, and in Great Britain Oct. 20, 1925. 5 Claims. (Cl. 304—40.)



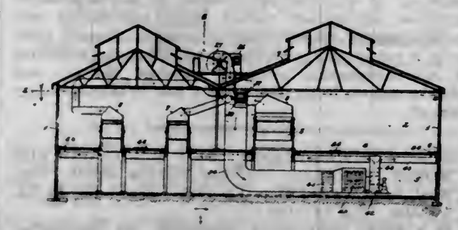
1. A device for clamping together tubular and other members of scaffolding or framework structures; comprising a disc having two coaxial stems one proceeding from each face thereof, the base of each stem conjoining the face of the disc in curved formation with a radius corresponding to the cross section of the scaffolding members which are to be clamped, gripping jaws one to be applied to each stem, said jaws extending laterally of said stems to overhang the scaffolding members contacting with the curved bases of said stems and located between said gripping jaws and said disc, said jaws being formed at their ends to partly embrace said scaffolding members to be clamped, and means coacting between said stems and said jaws to force said jaws to grip said scaffolding members between said jaws and said central disc.

1,631,832. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. MELVIN A. PENROD, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 9, 1925. Serial No. 1,484. 7 Claims. (Cl. 246—63.)



1. In combination, a railway track, means for supplying said track with alternating train controlling current which flows through the two rails in series, means for supplying the track with alternating current which flows through the two track rails in multiple, a train carried alternating current relay having two windings controlled by the currents in the two track rails respectively whereby the relay is energized in normal direction when current flows through the rails in series and in reverse direction when current flows through the rails in multiple, and train carried governing mechanism controlled by said relay.

1,631,833. EXHAUST SYSTEM FOR PAPER-MACHINE DRIERS. WALDO E. ROSEBUSH, Millwood, Wash. Filed May 19, 1926. Serial No. 110,220. 7 Claims. (Cl. 34—48.)



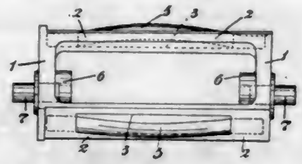
1. A system of exhausting the hot moist air from paper machine driers including a hood adapted to fit partly over the driers, means for exhausting the hot moist air from the hood and directing the same to a distant point, means at said distant point for condensing the moisture in said air and reducing somewhat the temperature of the air, means for causing the cooled and comparatively dried air to be forced to a heater, means for heating the air at said heater, and means for directing the heated air

into the room in which the driers are located, said means directing the air so that it will pass upwardly along the side walls and along the under side of the roof for preventing condensation.

1,631,834. GELATINIZING WOOD. ARLIE WILLIAM SCHORGER, Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Filed May 19, 1921. Serial No. 470,933. 12 Claims. (Cl. 106—40.)

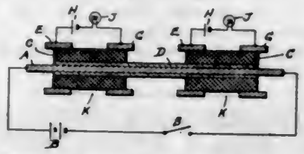
1. The method of reducing wood to a gelatinous mass, which consists in mechanically disintegrating wood fibers that have been subjected to a small amount of alkali, substantially as described.

1,631,835. MANUFACTURE OF ARTIFICIAL SILK. FRIEDRICH WILHELM SCHUBERT, Apperley Bridge, near Bradford, England, assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Filed June 21, 1926. Serial No. 117,537, and in Great Britain July 2, 1925. 3 Claims. (Cl. 242—110.)



1. A winding bobbin comprising two end pieces, a plurality of bars connecting said end pieces, and each provided with a longitudinally extending recess or slot, and a coiled spring arranged within each said recess or slot and projecting radially therefrom at intermediate points in its length, for the purpose described.

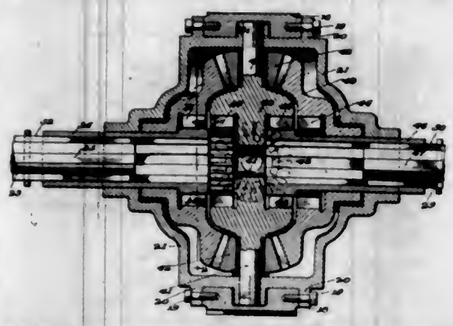
1,631,836. THERMOSENSITIVE RELAY. LESTER E. SPRAY, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,726. 1 Claim. (Cl. 177—352.)



A thermo-sensitive relay comprising a secondary unit made up of a cylindrical element of thermo-sensitive substance and spaced contact bands surrounding said thermo-sensitive element, and a primary element made up of a rod of electro-conducting material and a coating of electro-insulating material deposited thereon, said primary element being inserted in a hole in said secondary element.

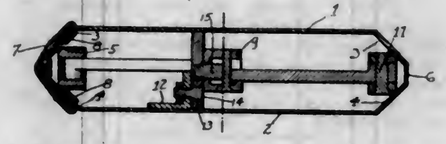
1,631,837. POWER-TRANSMISSION MECHANISM FOR MOTOR VEHICLES. GEORGE MONROE STONE, Griswold, Iowa. Filed Mar. 17, 1925. Serial No. 16,221. 1 Claim. (Cl. 74—100.)

In a power transmission mechanism, the combination with a differential casing, means for rotating the casing, a pair of differential gears, a spider, pinions on the spider meshing with the gears, the spider and pinions operatively connecting the casing with the gears for causing rotation of said gears, shafts extending into the casing, sleeves slidable on the shafts and keyed to the shafts, said sleeves being provided with clutch elements, said spider having oppositely disposed clutch elements, the differential gears being provided with clutch elements opposite the clutch elements on the spider, means for causing the clutch elements of the sleeves to engage a clutch element on the differential gear or a clutch element on the spider, when a sleeve is moved along its respective



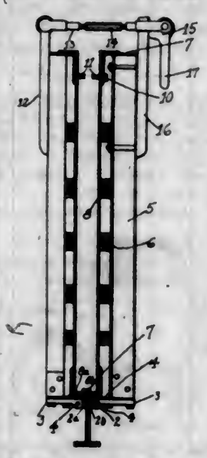
shaft for causing one of the shafts to be positively driven or for simultaneously driving both shafts independently of the differential.

1,631,838. COLLAPSIBLE CORE. CHARLES H. TERRY, Cincinnati, Ohio. Filed Dec. 24, 1925. Serial No. 77,455. 4 Claims. (Cl. 25—131.)



1. A collapsible core device having side plates and edge blocks, a lengthwise movable member within said core, and means within the core and operable by the lengthwise movable member for positively thrusting outwardly from the center of the core, and drawing inwardly from expanded position both the edge blocks and the side plates, said means comprising arms connected to the lengthwise movable member and the edge blocks, and cams mounted on the side plates and engaged by the lengthwise movable member.

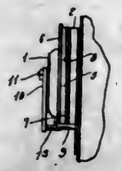
1,631,839. MOLD FOR FORMING HOLLOW PANELS. CHARLES H. TERRY, Cincinnati, Ohio. Filed Dec. 24, 1925. Serial No. 77,456. 10 Claims. (Cl. 25—121.)



1. A mold for forming plaster panels and the like comprising sections, hinged together in spaced relation along their edges, a spacing plate secured in connection with

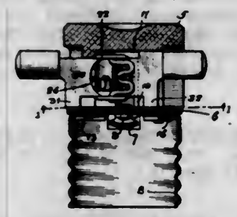
the hinging means, and adapted to define and close the gap between the sections, and means for securing said sections together along their other edges away from the hinged edges, comprising swing bolts and forks.

1,631,840. FURNACE-DOOR MOUNTING. DANA S. TEWKESBURY and ALBERT E. NEWTON, Kankakee, Ill. Filed June 5, 1924. Serial No. 718,049. 1 Claim. (Cl. 110—173.)
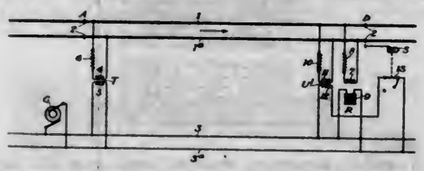


Means for slidably mounting a furnace door on its casing for upward movement to uncover the opening in the casing and downward movement to cover the opening, comprising vertical flanges on the casing, vertical channel bars on the door and embracing the flanges, the inner opposing sides of the flanges and channel bars being downwardly and inwardly inclined to carry the door bodily in the direction of the casing during its downward movement, and stops carried by the casing below the opening therein and upon which the door rests when in position to fully close the opening.

1,631,841. ELECTRIC SWITCH. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 4, 1924. Serial No. 747,807. 5 Claims. (Cl. 173—355.)



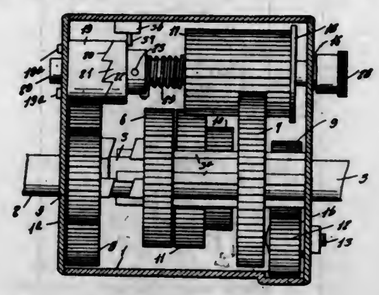
2. In an electric switch mechanism, a reciprocating push plate having upper and lower bearings, and being apertured between said bearings, switch levers pivoted on said bearings and extending on opposite sides of the push plate, together with a pull spring passing with clearance through the aperture in the push plate and engaging both of said levers.

1,631,842. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HOWARD A. THOMPSON, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 6, 1924. Serial No. 690,929. 7 Claims. (Cl. 246—34.)



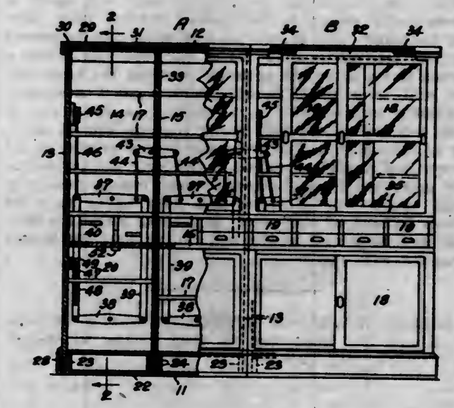
4. Railway traffic controlling apparatus comprising a stretch of railway track, a source of alternating current connected adjacent one end of said stretch, a second source of alternating current, means responsive to traffic conditions for at times supplying current from said second source to the other end of the stretch, and a track relay connected with said stretch adjacent said second source and responsive to current from one only of said sources.

1,631,843. AUTOMATIC SHAFT LOCK FOR AUTOMOBILES. WALTER B. UFFERT, Lynbrook, N. Y. Filed May 13, 1926. Serial No. 108,836. 8 Claims. (Cl. 192—4.)



1. In combination with the transmission gearing of a vehicle, a stationary ratchet, a shaft, a ratchet carried by the shaft for cooperation with the stationary ratchet, and a gear carried by the shaft and constantly in mesh with one of the gears of the transmission.

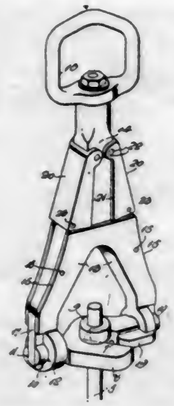
1,631,844. MERCHANDISE CABINET. ROBERT C. WALSH, St. Louis, Mo. Filed July 13, 1925, Serial No. 43,104, and in Canada Sept. 22, 1924. 5 Claims. (Cl. 211—7.)



1. In a knock-down cabinet, a base comprising a bottom board, members secured to the bottom board transversely thereof including a member at each end of the base spaced a short distance inwardly from the end thereof and a pair of members intermediate said end members, the members of said pair being spaced a short distance apart, top boards resting upon said transverse members and each connecting an end member with the adjacent intermediate member, back and front skirtings resting upon the bottom board and secured thereto and to the ends of the transverse members; upright members disposed outside the end transverse members and between the members of the transverse pairs; a top having transverse grooves at the ends and at a point intermediate the ends for the reception of the upright mem-

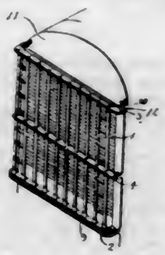
bers and longitudinal grooves at front and back; a back resting upon the base and extending into the longitudinal groove of the top, and fastening means releasably connecting the members together.

1,631,845. SUCKER-ROD ELEVATOR. EARL E. WESTMORELAND and SAMUEL G. TAYLOR, Oil City, La. Filed Aug. 16, 1926. Serial No. 129,540. 2 Claims. (Cl. 294—91.)



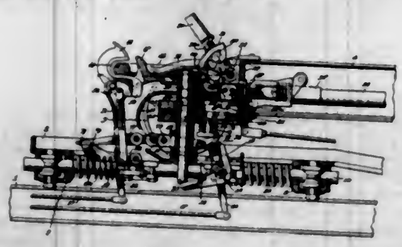
1. In a sucker rod elevator, a collar provided with oppositely projecting trunnions, said collar being formed with a rod-receiving throat, a vertical shank having spaced arms at its lower end formed with openings through which said trunnions pass, a guard on one of said arms for closing said throat until said shank is downwardly swung, a substantially vertical latch lever at the outer side of one of said arms and fulcrumed thereto between its ends, one of said trunnions having a notch in its outer end normally receiving the lower end of said lever to hold said shank against downward swinging with respect to the collar, the upper end of said lever being outwardly spaced from the arm on which it is fulcrumed, a lever releasing handle pivoted at its lower end to said upper end of the lever and pivoted at its upper end to said shank, whereby inward forcing of said handle will so swing said lever as to move its lower end out of said notch, and spring means for moving said lever and handle to normally hold the former engaged with the notch.

1,631,846. RADIATOR GUARD. HARVEY B. WILSON, Athens, Ill. Filed Nov. 11, 1925. Serial No. 68,317. 2 Claims. (Cl. 293—54.)



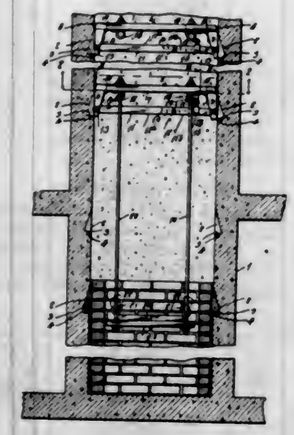
1. In a radiator guard of the character described a pair of spaced parallel horizontally disposed brackets provided each with a plurality of perforations accommodating corresponding ends of a like number of upright rods; swedged shoulders spaced from each end of said rods providing stop means therefor; a central bracing rib parallel with said brackets adapted to brace said rods in the middle and a plurality of spaced horizontal rungs secured between the two outer pairs of upright rods and between the inner pair of rods; whereby a cold weather shield being mounted on a roller may be detachably secured to the guard at different elevations of adjustment.

1,631,847. TRACTOR TRAILER COUPLER. SIDNEY B. WINN, Lapeer, Mich. Filed Aug. 5, 1925. Serial No. 48,201. 20 Claims. (Cl. 280—33.)



1. In a tractor trailer combination wherein a tractor is adapted to have its rear end backed under the forward end of a trailer and coupled thereto, and wherein the tractor includes a coupling pin:—means on the forward end of the trailer for engagement with the tractor pin to operatively couple the tractor and trailer, said means comprising a set of jaws adapted to be opened and closed relative to said tractor pin, said jaws being supported from said trailer to be opened and closed by disengagement and engagement of said tractor relative to said trailer, jaw holding means supported from said trailer adapted to hold said jaws closed about the tractor pin, and means operatable from said tractor adapted to release said jaw holding means and permit of said jaws being opened.

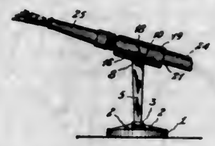
1,631,848. PORTABLE SCAFFOLD. HARVEY J. YAGER, Seattle, Wash. Filed Aug. 1, 1925. Serial No. 47,602. 1 Claim. (Cl. 304—15.)



A scaffold comprising supports, posts upon the upper ends of which the supports rest, said posts being downwardly and outwardly inclined, means pivoting the upper ends of the posts to the supports to permit the posts to be swung inwardly, eyebolts carried by the supports,

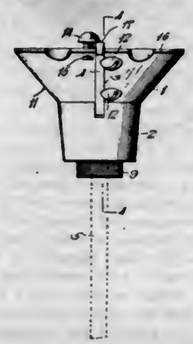
beams provided with eyebolts, boards carried by the beams, and hanger rods connected to the eyebolts of the beams and provided with hooks detachably engaging the eyebolts of the supports.

1,631,849. SPRINKLING-HOSE SUPPORT. HERALD P. ARNT, Lakewood, Ohio. Filed Mar. 25, 1922. Serial No. 546,734. 4 Claims. (Cl. 248—29.)



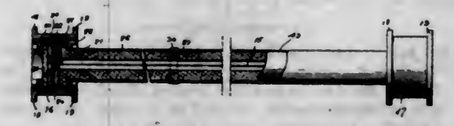
4. A device of the character described comprising the combination of a support, a bolt carried thereby and having a head fashioned with a curved surface, a pair of clamping elements each having a complementally curved surface, the latter being fashioned each with an elongated aperture, said bolt being loosely passed through said apertures, the arrangement being such as to permit reciprocal adjustment of said elements both along and crosswise of said bolt, a washer fashioned with a curved surface opposed to the corresponding bolt head surface and adapted to cooperate therewith to clamp said elements against said support and a nut for drawing said head and nut toward each other to bind the parts together.

1,631,850. VALVE-REFACING TOOL. LAWRENCE O. BEARD, Lancaster, Pa. Filed Oct. 9, 1926. Serial No. 140,613. 3 Claims. (Cl. 90—12.5.)



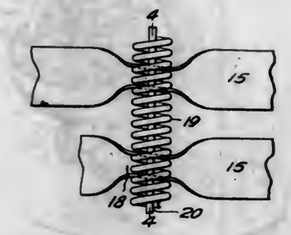
1. A valve refacing tool comprising a cutter head having an elongated slot therein, a cutter blade adapted for insertion in said slot, headed screws on opposite sides of said slot, the heads of said screws adapted to hold and guide said blade in said slot, and means for locking the cutter blade in said slot.

1,631,851. FUSE. CHARLES E. BENNETT, Decatur, Ga. Filed Sept. 23, 1926. Serial No. 137,309. 11 Claims. (Cl. 200—131.)



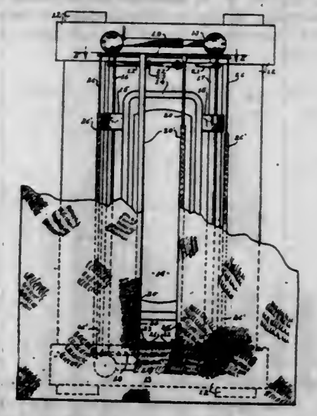
1. In a high voltage fuse, a fuse casing sealed at its opposite ends against rupture thereat on the blowing of the fuse having a bore of restricted cross-section to afford a fuse chamber of restricted dimensions, said casing being formed of non-inflammable yieldable, flexible insulating material susceptible to rupture at a point between said ends under high internal pressure.

1,631,852. BED-BOTTOM FABRIC. RICHARD BRADSHAW, Montreal, Quebec, Canada, assignor to Simmons Company, Kenosha, Wis. Filed July 2, 1925, Serial No. 41,176, and in Canada Sept. 13, 1924. 9 Claims. (Cl. 5—191.)



1. A bed bottom fabric comprising a series of solid flat ribbon-like strands disposed edge to edge and distorted at intervals in their length to present laterally facing bearing surfaces, and spacing means disposed between the strands and engaging the adjacent bearing surfaces thereof.

1,631,853. TOMB OR GRAVE CLOSING DEVICE. HUBERT J. BUSEY, Wichita, Kans. Filed Apr. 5, 1926. Serial No. 99,952. 2 Claims. (Cl. 27—30.)

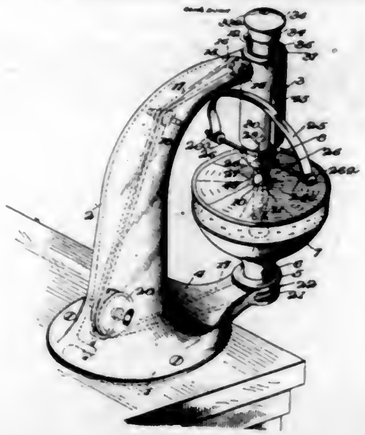


1. In a tomb or grave closing device, in combination with a casket lowering device, pipes having rods slidably engaging therein for longitudinal variation, a curvature on the outer extremities of the rods and the pipes to slidably engage on the end frames of the casket lowering device, a fabric grass like covering attached to said rods and pipes, straps attached to the ends of said pipes and rods, said straps crossing and adapted to wind on the rollers carrying the casket drawing the said pipes and rods carrying with them the covering simultaneously to contact in the center of tomb.

1,631,854. MACHINE FOR CORING AND DERINDING FRUIT. JOHN RAYMOND CARROLL, South Mountain, Pa., assignor of one-half to Albert C. Baurelle, South Mountain, Pa. Filed July 3, 1925, Serial No. 41,401. Renewed Nov. 23, 1926. 10 Claims. (Cl. 146—3.)

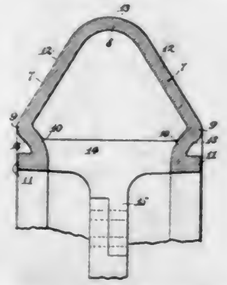
1. In a machine of the character described, a support for the fruit, a coring tool, a reciprocable shaft carrying

said tool, an operating member at one end of said shaft, yieldable means between the operating member and the shaft, means for limiting the movement of the shaft, and



ejecting means cooperable with the coring tool and actuated from the operating member when the same moves toward the shaft.

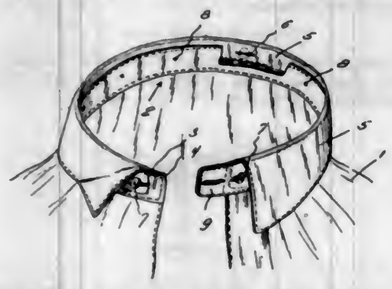
1,631,853. TIRE-BUILDING CORE. BARTHOLD DE MATTIA, Clifton, N. J., assignor to De Mattia Brothers, Inc., Garfield, N. J., a Corporation of New Jersey. Filed Oct. 23, 1923. Serial No. 670,336. 2 Claims. Cl. 154—9.)



2. A tire building core having a shaping surface substantially triangular in cross section, downwardly extending side walls at the base of said triangular cross section, and recesses in each side wall extending beneath the base of the triangular shaping surface of the core.

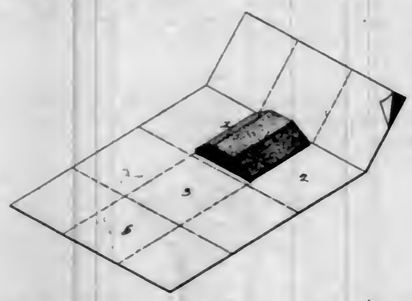
1,631,856. SHIRT. ROBERT G. DRAY, Savannah, Mo. Filed Aug. 18, 1925. Serial No. 51,053. 1 Claim. Cl. 2—116.)

A shirt provided with a neck band composed of inner and outer sections, said sections being stitched together at their lower edges to the shirt, and extending from one of the forward edges of the shirt to a point beyond the other forward edge whereby to form a tab, the upper edges of the tab forming portion of the neck band being stitched together, the neck band being open at its upper edge to provide a pocket for the reception of a collar, buttons carried by the inner section of the neck band, the outer section being provided with button holes directly opposite said buttons, the tab portion of the neck band being provided with a through button hole adapted for cooperation with a button on the opposite side portion of the neck band when the neck band is closed, and a separable and reversible collar insertible



in said pocket and provided with button holes for cooperation with the first mentioned buttonholes and buttons.

1,631,857. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, Versailles, Pa., assignor to Standard Railway Fusee Corporation, Boston, Mass., a Corporation of New York. Filed Sept. 22, 1925. Serial No. 57,843. 1 Claim. (Cl. 246—487.)



The combination in a railway signal torpedo, of an explosive tablet; a rectangular wrapper which is folded over the tablet in such manner that there will be no seam on the upper surface of the torpedo, the seam being located under the torpedo; a reinforcing strip extending at right angles to the folded paper; and fastening means extending parallel with said reinforcing strip, the side extensions of the folded wrapper being folded under the fastening means, and the ends of the reinforcing strip being folded under the folds of the wrapper.

1,631,858. PROCESS OF PREPARING A FOOD PRODUCT AND PRODUCT RESULTING THEREFROM. SIMON GELFAND, Baltimore, Md. Filed Sept. 9, 1924. Serial No. 736,797. 4 Claims. (Cl. 99—11.)

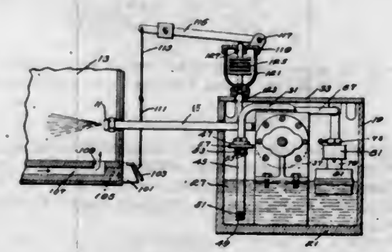
1. An improved process for the manufacture of a food product consisting of dispersing roasted-peanut butter in an emulsion including edible oil, egg yolk, condiments and an aqueous liquid.

3. A new food product, including an emulsion of edible oil, yolk substance, and condiments dispersed in aqueous liquid, and intermixed roasted peanut butter.

1,631,859. LIQUID-FUEL-BURNING APPARATUS. GEORGE E. GOODRIDGE, Reading, Mass., assignor to Ballard Service Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1927. Serial No. 165,387. 10 Claims. (Cl. 158—36.3.)

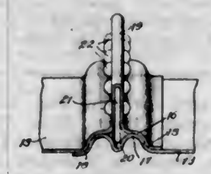
1. A liquid fuel burning apparatus comprising a burner nozzle, a main fuel reservoir, an intermediate, enclosed chamber of relatively small capacity in proximity to the

burner nozzle, said chamber having an air admission opening and an air-supplied space in the upper part thereof, a fuel supply pump for withdrawing fuel from the main fuel reservoir and having provision for delivering the same to the supply chamber, said supply pump having its discharge also connected to a return conduit leading back to the main reservoir to return the excess thereto, a float controlled delivery valve for the regulating the delivery by said pump to the supply chamber to maintain an approximately constant level therein below said air-supplied space, a main pump for delivering commingled air and liquid fuel through the burner nozzle, said supply pump being connected to operate only with and during the operation of the main pump, and said main and supply pumps being enclosed within the supply chamber but raised above the level of the liquid fuel maintained therein sufficiently to prevent the entrance of liquid fuel into



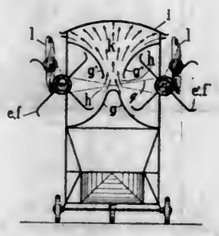
the working parts through the exposed joints thereof, a motor for driving said pumps located outside of said enclosed chamber, a suction conduit for said main pump provided with an inlet orifice immersed below the level of the liquid fuel within the supply chamber and a second air orifice above the liquid fuel level and open to the air-supplied space of said chamber, whereby a commingled mixture of air and liquid fuel is drawn from said chamber into said main pump and delivered to the burner while the leakage from said pumps drains into the liquid fuel in the bottom of the supply chamber and is delivered by the main pump to the burner, the gases arising from the fuel being also drawn into the pump and prevented from escaping outside the chamber and whereby the available supply of fuel by said supply pump for said chamber is cut off when the burner ceases operation.

1,631,860. CAR-ROOF CONSTRUCTION. KARL M. HAMILTON, Chicago, Ill., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Delaware. Filed June 1, 1920. Serial No. 385,471. 13 Claims. (Cl. 108—504.)



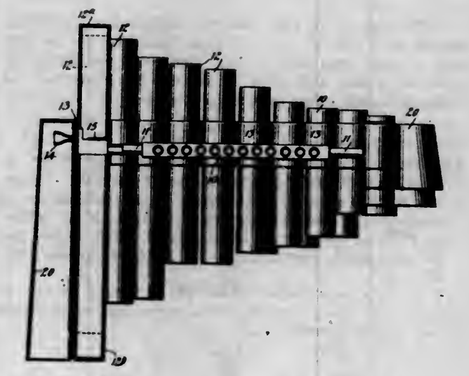
1. In a metal car roof, in combination: contiguous roof sheets lapped at their transverse marginal portions and provided with reversely-extended companion ribs respectively formed in said lapped marginal portions, and a filler interposed between the companion ribs of the contiguous roof sheets, substantially as specified.

1,631,861. FLYING MACHINE. ADELHEID HANSCHKE, née SACHS, Berlin, Germany. Filed Sept. 11, 1926. Serial No. 134,917, and in Germany June 25, 1926. 3 Claims. (Cl. 244—16.)



1. A flying machine comprising a wheeled frame, a roof covering said frame, two longitudinal, horizontal shafts arranged at opposite sides of said frame on the same level, vaned supporting wheels connected to said shafts, curved plates arranged so as to embrace the inside halves of said wheels and form an air space between them under said roof, means for rotating the wheels in opposite directions so that their outside halves will act on the air for upward propulsion, the plates being interrupted so that air will be forced by the upwardly moving vanes into the space under the roof, and propellers mounted in said frame so that they can be used for forward flight.

1,631,862. MUSICAL INSTRUMENT. WALTER HANSELL, Brooklyn, N. Y. Filed May 25, 1926. Serial No. 111,607. 12 Claims. (Cl. 84—330.)



6. A musical instrument including a mouthpiece, a series of sounding tubes closed at both ends, pipes constituting air passageways connecting the intermediate portions of all of said tube to the mouthpiece, the mouthpiece ends of said pipes being arranged in lateral juxtaposition, openings in the tubes arranged at the opposite sides from the pipe openings, one opening in each tube constituting an air inlet opening, the other opening in each tube constituting an air outlet opening, and non-vibratory transverse divider plates in the tubes for split-

ting the air streams entering through the inlet openings, certain of the tubes sounding as air is drawn inwardly through the pipes, the other tubes sounding as air is blown outwardly through the pipes.

1,631,863. CHECK PROTECTOR. ROBERT I. HARRIS, Punta Gorda, Fla. Filed Aug. 11, 1926. Serial No. 128,683. 7 Claims. (Cl. 101—3.)



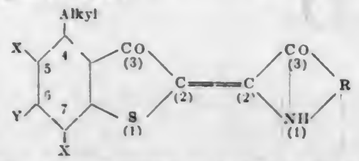
1. A pocket knife having blades and back springs to hold them in position; in combination, a pair of impression plates, means carried by the back springs rigidly holding one of the plates and guiding the other plate, and a movable lever having connection with said other plate for moving it in respect to the rigidly held plate.

1,631,864. FLY SWATTER. NORTON T. HENDRICKSON and CHARLES ROHOLT, Hoople, N. Dak. Filed May 11, 1926. Serial No. 108,356. 9 Claims. (Cl. 43—137.)

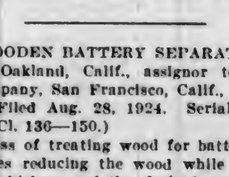
1. In a device of the character described, a rod terminating in a slotted head, a slide operating in the slot and a lever controlled by said slide, said rod being extensible, a link and lever connection for operating the slide, said link being extensible.

1,631,865. VIOLET VAT DYESTUFF OF THE 2-THIONAPHTHENE-2-INDOLINDIGO SERIES. RICHARD HERZ, Frankfort-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 5, 1926, Serial No. 127,473, and in Germany Nov. 6, 1924. 4 Claims. (Cl. 260—49.)

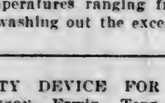
1. As new compounds violet vat dyestuffs of the 2-thionaphthene-2-indolindigo series corresponding probably to the general formula:



wherein X means a halogen or an alkyl-group, Y means hydrogen, which may be substituted by a halogen or an alkylgroup and R means an arylresidue, which may contain further substituents, which dyestuffs are, when dry, violet powders, soluble in concentrated sulfuric acid to a greenish to blue solution, forming with alkaline hydrosulfite a yellowish vat, from which cotton and wool is dyed in violet to bluish violet shades of an excellent fastness especially to washing, chlorine and light, which dyestuffs are substantially identical with the dyestuffs, obtainable by condensing oxythionaphthene derivatives, corresponding probably to the general formula:



wherein X means a halogen or an alkyl-group, Y means hydrogen which may be substituted by a halogen or an alkylgroup, with an o-isation body of the general formula:



wherein R means an arylresidue, which may contain further substituents, R_1 means a halogen or an arylidogroup.

1,631,866. APPARATUS FOR PRODUCING AND PROJECTING CINEMATOGRAPHIC PICTURES. ANTON HEUBUNG, Munich, Germany. Filed Feb. 18, 1926, Serial No. 89,000, and in Germany June 23, 1924. 2 Claims. (Cl. 88—16.4.)

1. A cinematographic apparatus including a cinematographic film, an objective, an erecting prism the entering and emerging rays of which are coaxial, said prism being disposed with its longitudinal axis on the axis of the objective, and all of its deflecting surfaces at right angles to a plane which includes the optical axis, and which plane is at an angle of 45° to a plane defined by the optical axis and the longitudinal axis of the film.

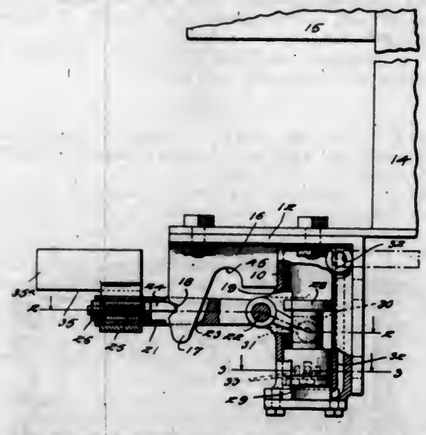
1,631,867. WOODEN BATTERY SEPARATOR. ELIE S. HUMBOLDT, Oakland, Calif., assignor to The Pacific Lumber Company, San Francisco, Calif., a Corporation of Maine. Filed Aug. 28, 1924. Serial No. 734,815. 9 Claims. (Cl. 136—150.)

1. The process of treating wood for battery separators which comprises reducing the wood while green to substantially the thickness of the desired separators, soaking the green slabs in an aqueous solution of a sulfite or bisulfite at temperatures ranging from 15 C. to the boiling point, and washing out the excess of reagent.

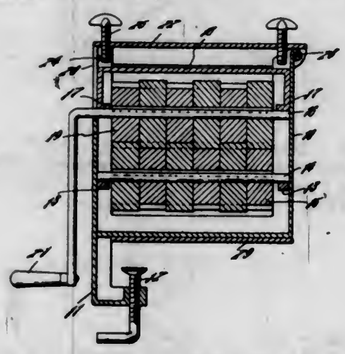
1,631,868. SAFETY DEVICE FOR LOCOMOTIVES. HARLY S. JOHNSON, Erwin, Tenn. Filed July 23, 1926. Serial No. 124,519. 7 Claims. (Cl. 246—170.)

1. In a safety device for indicating derailments of locomotive trucks and in combination with the frames of the truck and locomotive, a cylinder having a port in the wall thereof secured to one of said frames, a connection between the cylinder at one end thereof and a train line pipe of the locomotive, a piston within the cylinder and normally urged to the opposite end of the cylinder by the train line pressure, a handle for shifting the piston.

a latch yieldably resisting movement of the handle from a position in which the piston closes communication between the train line pipe and said port and an operative connection between the other of the frames and said handle shifting the handle to disengage the same from the latch upon abnormal separation of said frames.



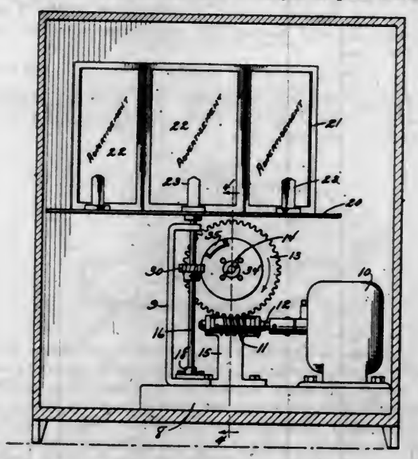
1,631,869. MEAT TENDERER. WESLEY F. JURBY, Norcatur, Kans. Filed May 2, 1925. Serial No. 27,601. 1 Claim. (Cl. 17—26.)



A meat tenderer comprising an elongated channeled frame, bearing members carried thereby, a driven shaft journaled upon said bearings, a drive shaft carried by said frame and disposed in spaced superimposed relation to the aforementioned shaft, gear members arranged in staggered relation upon the shafts and adapted for intermeshing engagement, a substantially inverted U-shaped frame carried by the first mentioned frame and terminating to provide bearing portions for engagement with portions of the drive shaft, a top for the elongated frame, and adjusting means carried thereby for engagement with the inverted U-shaped frame to regulate the biting action of said gears.

1,631,870. CHANGEABLE SIGN OR ADVERTISING DEVICE. SAMUEL KATZ, Greenville, S. C. Filed July 29, 1924. Serial No. 728,955. 2 Claims. (Cl. 40—33.)

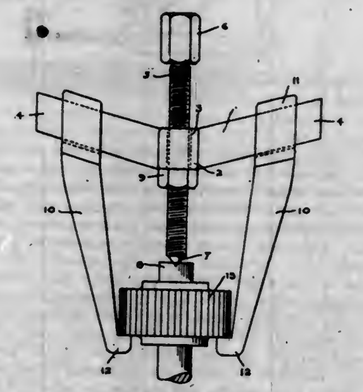
1. A sign or display device comprising a casing having a display portion, a rotor disposed in the casing and having a plurality of sides arranged to be positioned successively in co-incidence with the said display portion of the casing, a substantially U-shaped upright frame in said casing, a shaft carrying the said rotor and arranged in bearings formed in the arms of the upright frame, a gear having teeth formed at an angle to the plane of rotation of the gear and secured to said shaft, a disk mounted for rotation, a lateral curvilinear cam portion cut from said disk and arranged to pass through the interdental spaces of the said gear and turn the rotor step by step and permit said rotor to dwell with its sides in co-incidence with the display portion of the casing, a worm gear having secured thereto the said disk and motor arranged in the casing and having a worm meshed with said worm gear.



1,631,871. PROCESS OF MANUFACTURING MERCAPTO-BENZO-THIAZOLE. WILLIAM J. KELLY, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 7, 1922. Serial No. 580,313. 13 Claims. (Cl. 260—44.)

3. A method of producing mercaptobenzothiazole that comprises associating aniline with sulphur and carbon bisulfide at a temperature between 150° C. and 300° C. and under a pressure between 100 and 700 pounds per square inch.

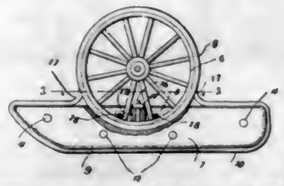
1,631,872. GEAR PULLER. HENRY JOHN KNIGHT, Vancouver, British Columbia, Canada. Filed Nov. 21, 1925, Serial No. 70,570, and in Canada Apr. 25, 1925. 2 Claims. (Cl. 29—85.)



1. A gear puller comprising a yoke presenting a central body portion having a non-threaded bore extending therethrough and a pair of arms rigidly connected at their

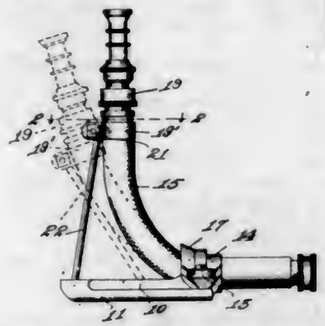
inner ends to said central body portion and inclining upwardly therefrom, a pair of gear grips formed at one end to engage a gear and provided at the opposite ends with inclined transverse openings slidably receiving the arms of the yoke therethrough, a threaded member passing loosely through the bore of said yoke and a nut threaded on said member and engageable with one side of the yoke.

1,631,873. WHEEL RUNNER. IRA KNIGHT, Midland, Mich. Filed June 22, 1926. Serial No. 117,811. 3 Claims. (Cl. 280—13.)



1. A runner adapted to be applied to a vehicle wheel, said runner comprising an elongated body portion, means to secure the body portion to a wheel with portions extending forwardly and rearwardly from the wheel, and a tread strip extending along the under face of said body and having its end portions extended upwardly about the ends of the body and along its upper face in contact therewith and having its ends bent upwardly to provide braces adapted to engage the front and rear portion of a tire-carrying rim of a wheel between the tire-engaging side flanges of the rim.

1,631,874. NOZZLE HOLDER. DANIEL LASHER and ALVIN S. PLANK, Port Huron, Mich. Filed Mar. 31, 1926. Serial No. 98,892. 1 Claim. (Cl. 248—29.)

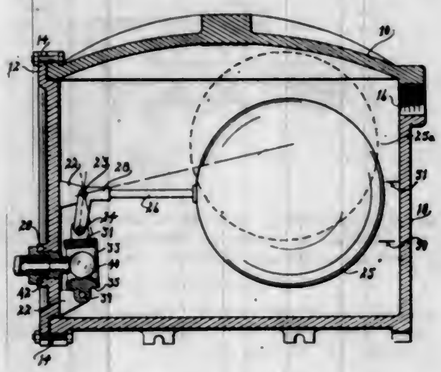


A hose holder comprising an elongated channeled plate having a plurality of spaced aligned depressed portions arranged in the channel portion thereof, supporting arms formed upon the under side and adjacent the forward end of the plate and extending outwardly and rearwardly thereof, said arms communicating with inwardly extending supporting arms secured to the opposite side edges of the plate adjacent the rear end portion thereof, a semi-circular attaching flange having outwardly extending apertured ears provided upon its opposite sides and secured to the upper side of the plate for securing an appreciable portion of the hose therebetween, the forward end of the attaching flange is upwardly inclined to permit upward swinging movement of the hose, and a clamping band secured to the forward end of the hose and having a pivotally mounted pin depending therefrom and terminating in a rounded end portion for selective engagement within any one of the plurality of depressed portions in the channeled plate for holding the forward end of the hose at a desired inclination.

1,631,875. MANUFACTURE OF STABILIZED METALDEHYDE. EMIL LÖSCHER, Basel, Switzerland, assignor to The Society Elektrizitätswerk Lonza, Gampel and Basel, Switzerland. Filed June 26, 1922. Serial No. 571,041, and in Germany Dec. 3, 1921. 3 Claims. (Cl. 260—140.)

1. A process of stabilizing metaldehyde consisting in mixing it with ammonium carbonate.

1,631,876. STEAM TRAP. HERMAN C. MACAULAY, Rumford, Me. Filed Mar. 21, 1924. Serial No. 700,750. 4 Claims. (Cl. 137—103.)



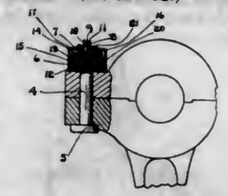
1. In a steam trap valve structure, a ball valve and the means for completely shielding said ball from fluid currents when in open position which comprises a single opening valve box.

1,631,877. CALK ATTACHMENT FOR BOOTS. JOHN WILLIAM MCNEILL and JOHN MICHELSEN, Wistaria, British Columbia, Canada. Filed Dec. 5, 1925. Serial No. 73,470. 1 Claim. (Cl. 36—64.)



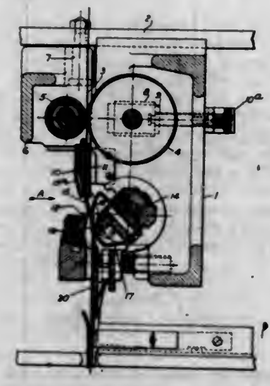
A calk attachment for boots comprising relatively adjustable calk carrying members presenting sole engaging portions curved longitudinally for a portion of their length to conform to the bottom contour of the boot sole, the remaining portion of the length of each member being bent twice at right angles to provide a vertical portion adapted to engage the breast of the heel and a horizontal portion adapted to flatly engage the bottom portion of the heel, said members being equipped with means for gripping the same to the sole of the boot when the members are adjusted to predetermined positions and being adapted to be secured in such adjusted positions by fastening devices passed into the heel of the boot through the horizontal heel engaging portions of the members.

1,631,878. AUTOMATIC TAKE-UP BOLT. OTTO MILLER, Cincinnati, Ohio. Filed Apr. 26, 1924. Serial No. 709,133. 3 Claims. (Cl. 85—32.)



1. An automatic take up bolt comprising a threaded member having a reduced shank, a nut having screw threads for cooperation with the threaded member, a nut tightening spring attached to the nut, and a pawl spring, said shank having a ratchet shaped end adapted to facilitate tensioning of the nut tightening spring and to retain the spring against release, said nut having ratchet teeth on one face for cooperation with the pawl spring, whereby loosening movement of the nut will be prevented in the event of breakage of the nut tightening spring.

1,631,879. MACHINE FOR AUTOMATICALLY CUTTING MOVING WEBS OF PAPER OR OTHER MATERIALS INTO SHEETS. WALTER EVERETT MOLINS, London, England. Filed Oct. 27, 1925, Serial No. 65,211, and in Great Britain Dec. 5, 1924. 3 Claims. (Cl. 164—68.)



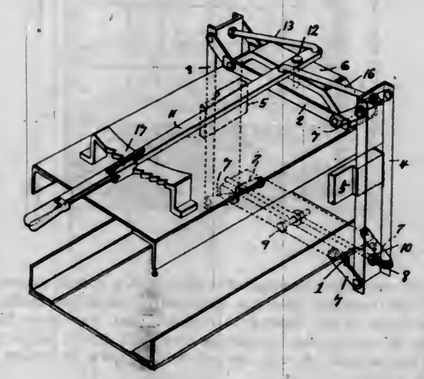
1. A device for cutting strips from a travelling web of paper or like material which comprises a fixed blade, a movable blade adapted to co-operate therewith to effect a shearing action upon the web fed through the space between the separated blades, and a resilient deflector inclined to the plane of the fixed blade in such a manner that the lading edge thereof is located in close proximity to the edge of the fixed blade and in the path of the moving blade for the purpose hereinbefore set forth.

1,631,880. STUD-AND-SOCKET-TYPE FASTENING. THOMAS MORTON, Moseley, England. Filed July 8, 1926, Serial No. 121,188, and in Great Britain July 15, 1925. 3 Claims. (Cl. 24—110.)



1. In stud and socket type fastenings of the kind specified, the combination comprising a two piece expansible element, resilient means for connecting the two pieces of the said element, and an axially movable pin whereby the operative ends of the said pieces can be expanded, said pin being formed with a swelling, and a wire spring adapted to engage behind said swelling in either of the two positions of the pin.

1,631,881. STRAW PRESS. JOHN F. MURRAY, Otterbein, Ind., assignor of one-half to Walter Irvin, Otterbein, Ind. Filed Apr. 9, 1926. Serial No. 100,948. 1 Claim. (Cl. 100—23.)



In a pressing chamber of a baling machine, channel beams at the sides, top and bottom of said chamber at one end thereof, links pivotally connecting the ends of said beams together, presser plates carried by the side beams, a bridge piece carried by the top beam, means adjustably connecting the lower ends of the side beams for moving the ends thereof toward and away from each other, an operating lever pivoted at one end to the bridge piece, connecting rods having their outer ends adjustably connected to the upper ends of the side beams and their inner ends connected to the lever at opposite sides of the pivot point whereby lateral movement of said lever will move the upper ends of said side beams toward and away from each other and means for holding said lever in adjusted positions.

1,631,882. FILE. MONTE E. NORDAN, West Frankfort, Ill. Filed Feb. 11, 1926. Serial No. 87,645. 4 Claims. (Cl. 29—78.)

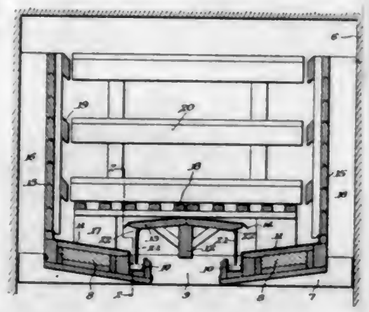


1. A flat file embodying a main body portion having exposed cutting surfaces provided at each face thereof for simultaneous abrading of two confronting surfaces, and plain surfaced flanges extending along each edge of the body portion and projecting beyond the plane of only one of the cutting surfaces.

1,631,883. REFRIGERATOR. JACOB B. OTTENHEIMER, Baltimore, Md., assignor to Ottenheimer Bros. Inc., Baltimore, Md., a Corporation of Maryland. Filed Nov. 3, 1924. Serial No. 747,596. 4 Claims. (Cl. 62—46.)

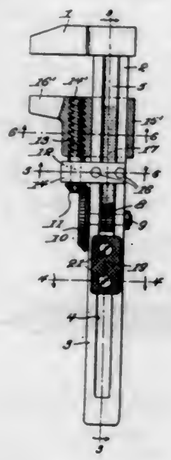
1. The combination of a chamber to be refrigerated; an ice support mounted in the upper portion thereof; an inclined draining bottom beneath a portion of said sup-

port, said bottom having a water collecting gutter adjacent its lower edge and there being an air port for directing air past the lower edge of said draining bottom; a water shedding baffle overlying said port and overhanging a portion of said bottom to shield said air port



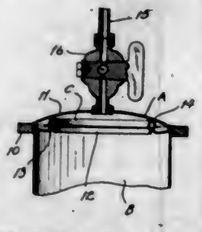
from the direct passage of water; and a splash arresting screen mounted beneath said water shedding baffle in the path of air flowing to said air port, the lower margin of said screen projecting into said gutter below the upper margin of, and out of contact with the walls of, the gutter.

1,631,884. ADJUSTABLE WRENCH. VICTOR EMANUEL PAULSON, Esmond, S. Dak. Filed July 21, 1926. Serial No. 124,036. 2 Claims. (Cl. 81—133.)



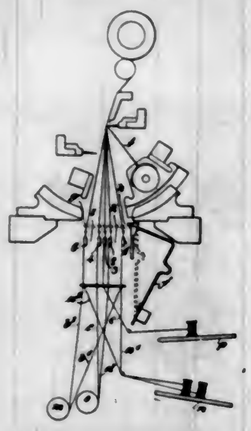
1. A wrench including a jaw having a shank extending at a right angle therefrom, a slidable jaw on the shank, a lug on the shank, a screw co-engaging with the slidable jaw and having a non-threaded portion which is journaled through the lug, a toothed element carried by the screw, a second toothed element engaging therewith and having a shaft journaled on the shank, a toothed wheel on said shaft, a rack-bar engaging the toothed wheel, and a handle fixedly secured on the rack-bar slidable on the handle portion of the shank.

1,631,885. VACUUM PACKING APPARATUS. FRANK W. L. PEERLES, St. Louis, Mo., assignor to James L. Hopkins, trustee, St. Louis, Mo. Filed June 30, 1926. Serial No. 119,783. 5 Claims. (Cl. 99—2.)



1. In a vacuum-packing apparatus a resilient suction-head unit and an exhauster-connection extending through said unit.

1,631,886. LACE FABRIC AND METHOD OF PRODUCING SAME. SAM PEPPER, Nottingham, England. Filed May 15, 1926, Serial No. 109,406, and in Great Britain May 12, 1925. 6 Claims. (Cl. 96—24.)



2. The method of producing double fronted fabrics on twist lace machines, which consists in dividing the basic threads employed into a front group and a back group, through which the bobbin threads are carried and with which they twist, and shifting the spool threads of one group of basic threads to cause relief to be produced on one face of the fabric, and shifting the spool threads of the other group of basic threads to produce a design on the other face of the fabric.

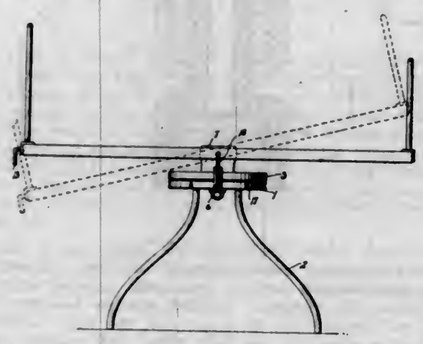
1,631,887. PHOSPHORUS CONTAINING NUCLEAR SUBSTANCE OF MILK CASEIN IN A CHEMICALLY-PURE FORM AND PROCESS OF MAKING THE SAME. SWIGEL POSTERNAK, Chene-Bougeries, near Geneva, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Jan. 11, 1924, Serial No. 685,717, and in Switzerland Jan. 25, 1923. 6 Claims. (Cl. 260—98.)

5. In the process for the manufacture of the phosphorus containing organic nuclear substance of milk casein in a chemically pure form, the step of decomposing a heavy metal salt of the organic phosphorus compound obtained by the tryptic digestion of milk casein with a solution of alkali metal carbonate.

6. As a new product the phosphorus containing organic nuclear substance of milk casein, which constitutes in

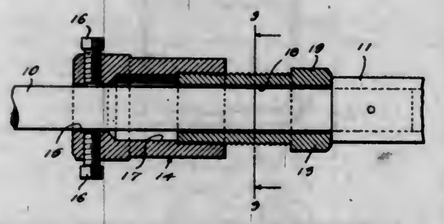
form of the free acid a white, amorphous powder containing 5.86 per cent of phosphorus, which is soluble in water, giving a clear solution, nearly insoluble in alcohol, and insoluble in other organic solvents, and which, when reacted upon with inorganic bases, forms salts partly soluble partly insoluble in water.

1,631,888. HOSPITAL BED. JOSEPH C. POW, Hays, N. C. Filed July 25, 1924. Serial No. 728,213. 1 Claim. (Cl. 5—60.)



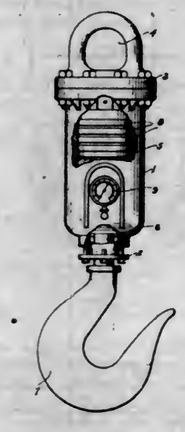
A bed comprising a supporting plate, legs connected with the same, a second plate mounted on the first plate, anti-friction means between the two plates, a centrally arranged stud on the second plate passing through the center of the first plate, a nut threaded on the bottom of the stud, an upwardly extending projection on the second plate having flat sides with notches formed in one edge thereof, a bed frame pivotally connected with the projection so that it can be moved about a horizontal axis, said frame including a pair of parallel strips at the center thereof between which the projection passes, with the pivot pin passing through the strips and the projection, a spring pressed locking bar carried by the bed frame and having a part adapted to engage any one of the notches in the projection for holding the bed frame in adjusted position, a second spring pressed locking bar on the frame, the first plate having holes therein adapted to receive the inner end of said last mentioned locking bar and a bracket on the second plate having a hole therein through which a part of the locking bar extends for engaging one of the holes in the first plate.

1,631,889. DRIVE-SHAFT PULLER. WILLIAM J. RAPPLEY, Billings, Mont. Filed Nov. 27, 1926. Serial No. 151,139. 1 Claim. (Cl. 29—85.)



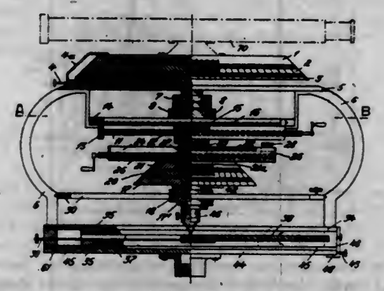
In a device for removing couplings from shafts, a female member having at one end a bore adapted to receive and slidably fit the shaft, means projecting through the wall of the member at said end for holding the member against displacement longitudinally of the shaft, the opposite end of the member having an enlarged bore the wall of which is threaded, an exteriorly threaded male member engaged in said bore and having a bore slidably receiving the shaft, the projecting end of said male member being adapted for engagement with a wrench whereby it may be rotated and having its end face adapted for engagement with the coupling to be removed.

1,631,890. HYDRAULIC SWIVEL HOOK. FRANK REDICK, Parkerton, Wyo. Filed Feb. 25, 1924. Serial No. 695,137. 1 Claim. (Cl. 265—47.)



A swivel hook of the class described comprising a cylinder adapted to contain a liquid and having a central opening at its lower end, a cap detachably arranged upon the upper end of the cylinder, an eye integral with the cap, a piston movable in the cylinder, a stem connected with the piston and passing through the opening, and having a hook on its lower end, a removable gland connected with the bottom of the cylinder and surrounding the stem, an annular outstanding flange on the gland, bolts engaged with the flange and threaded into the end of the cylinder to retain said gland in position, a gauge connected with the bottom of the cylinder so that it will be acted upon by the liquid into the same, and a substantially U-shaped protective housing for the gauge and being formed integral with the cylinder in a manner to overlie and be disposed upon opposite sides of said gauge.

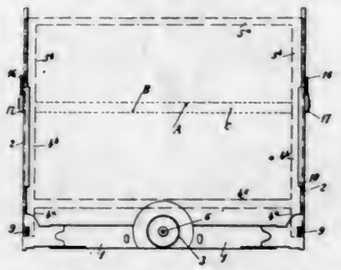
1,631,891. SURVEYING INSTRUMENT WITH DRAWING DEVICE. MART SANDER, Hapsal, Esthonia. Filed May 7, 1925, Serial No. 28,599½, and in Germany Mar. 31, 1923. 2 Claims. (Cl. 33—67.)



2. A surveying instrument comprising a base, a plotting table mounted for movement on the base in any direction in a horizontal plane, an upper protractor system including a fixed member, a telescope carrying member

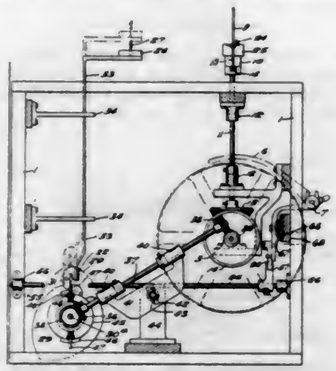
and an intermediate member, said last two members being revoluble, a lower protractor system including a lower member provided with a stylus to operate on the plotting table and revoluble upper and intermediate members, mounting means for said lower member of the lower protractor system enabling said protractor system to be moved in a horizontal plane in either of two directions at right angles to each other, means connecting said upper and lower protractor systems for independent operation and means coacting with a member of said connecting means to shift the lower protractor system laterally with respect to the upper protractor system and means to determine the position of said lower protractor system.

1,631,892. WINDOW OPENING AND CLOSING MECHANISM. JACQUES SAOUTCHIK, Neuilly-sur-Seine, France. Filed May 11, 1926, Serial No. 108,416, and in France May 18, 1925. 5 Claims. (Cl. 296—48.)



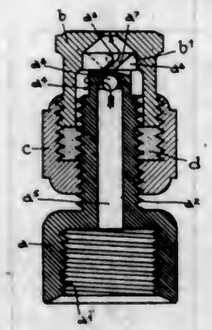
1. A mechanism for opening and closing windows on motor cars comprising a metal frame work seated in a well formed in the car body and including parallel grooved guides extending above the well, window pane carrying frames slidable in said grooves to a position within the well or a position above the same, means for operating the frames in the guides, a lid movably mounted upon the margin of the well and adapted to be automatically controlled by one of said window pane frames for closing the well when said frame has fully emerged therefrom.

1,631,893. SKEIN-WINDING MACHINE. JOHN F. SCHENCK, Sr., Lawndale, N. C. Filed May 8, 1926. Serial No. 107,715. 25 Claims. (Cl. 28—21.)



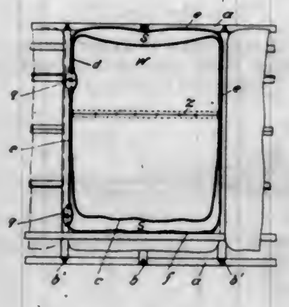
1. A skein-winding machine comprising a flyer, a thread guide, and means for moving the thread guide to cause the thread to wind substantially helically in a single layer on the flyer, said means being releasable to permit quick return of the thread guide to initial position upon completion of each thread-winding operation.

1,631,894. SPRAY NOZZLE. EDOUARD SCHLAEPFER, Lausanne, Switzerland. Filed Apr. 11, 1927, Serial No. 182,851, and in Switzerland Mar. 16, 1926. 1 Claim. (Cl. 299—117.)



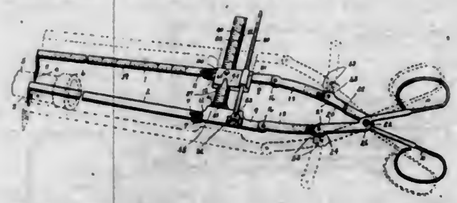
A spray nozzle comprising two complementary members arranged for axial adjustment one upon the other, the inner member having a cylindrical terminal portion provided with peripheral inclined passages widening in section toward their discharge end, the outer member having a cylindrical seat into which said terminal portion fits as said members approach their limit of relative movement in one direction, said inner member being of reduced diameter below said terminal portion forming with said outer member an annular recess, said inner member being provided with a longitudinal bore and a transverse bore communicating therewith and with said recess, said outer member being formed with a conical walled chamber in advance of the cylindrical terminal portion of said inner member communicating with the inclined passages therein, and being placed in communication with said annular recess when said cylindrical terminal portion is withdrawn from its seat in the outer member.

1,631,895. GAS CELL OF RIGID AIRSHIPS. KARL SILLER, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 15, 1926, Serial No. 116,108, and in Germany June 19, 1925. 5 Claims. (Cl. 244—3.)



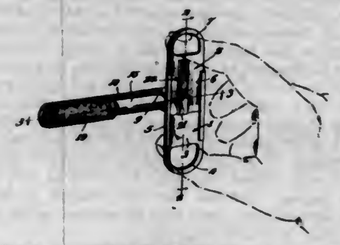
1. A combination gas cell for rigid airships comprising inner walls confining an inner space; and outer walls; said outer walls together with said inner walls confining an outer jacket space; said inner walls and said outer walls being connected to each other; said inner walls being so large that upon decrease of pressure in said jacket space they may cover substantially the upper half of said outer walls.

1,631,896. CALIPERS. HENRY A. ST. JOHN and JOHN F. GRIFFIN, Utica, N. Y. Filed Apr. 25, 1925. Serial No. 25,899. 8 Claims. (Cl. 33—147.)



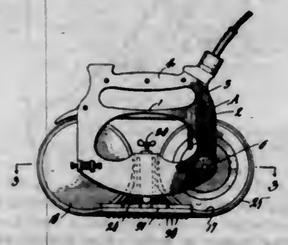
1. In a calipers, elongated members having ends bent at right angles thereto to engage the external surface of a journal, means whereby said members are maintained in parallel relation to each other, a link pivoted to each of said members and a lever adjustably secured to each link, said levers being pivoted to each other at an intermediate point, whereby to move said links and thereby cause movement of the elongated members towards and away from each other while maintaining their parallel relation.

1,631,897. ROTARY TOOTHBRUSH. BERRY V. STOLL, Louisville, Ky. Filed Aug. 6, 1926. Serial No. 127,653. 4 Claims. (Cl. 15—26.)



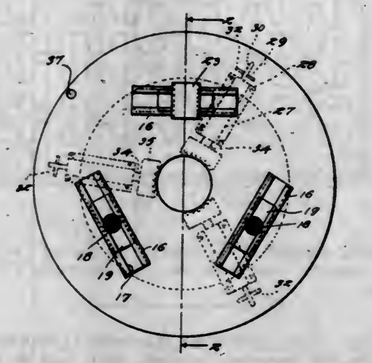
2. A brush comprising a handle having companion sections slidable longitudinally of each other and having overlapped inner end portions and their outer end portions adapted for engagement with the fingers of an operator, one section having its inner end portion formed with an opening and the other section having a slot communicating with the opening, a bearing carried by the first section, a shaft journaled in said bearing and extending across the opening and projecting from one side of the section, a pinion carried by said shaft and projecting through the opening and slot, a rack carried by the second section and having teeth extending across its slot and engaging said pinion to impart rotary motion to the pinion and shaft when the sections are slid longitudinally of each other, and a brush head carried by said shaft.

1,631,898. PORTABLE BELT SANDER. HAROLD A. SWAN, Coronado, Calif. Filed Dec. 31, 1924. Serial No. 759,150. 1 Claim. (Cl. 51—170.)



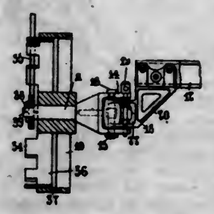
A device of the class described including a frame, a pair of rollers journaled in the frame, a belt sander trained over the rollers, means for rotating one of the rollers, and a series of flexible frictional studs positioned at the sides of and depending below the active run of the belt sander.

1,631,899. DRUM OR PULLEY ATTACHMENT. STEFAN A. TALJAN, East St. Louis, Ill. Filed July 13, 1926. Serial No. 122,249. 6 Claims. (Cl. 242—95.)



1. A drum for attachment to the hubs of spoked wheels having an opening for the passage of the hub, circumferentially spaced slides shiftable chordally of the drum at the inner face thereof, spoke engaging clamps carried by said slides and means at the outer face of the drum and shiftable radially thereof for clampingly engaging the hub of the wheel.

1,631,900. MEANS FOR PROPELLING WHEELED VEHICLES. JOSEPH TEMPERLEY, London, England. Filed June 28, 1924, Serial No. 723,034, and in Great Britain July 9, 1923. 1 Claim. (Cl. 280—3.)



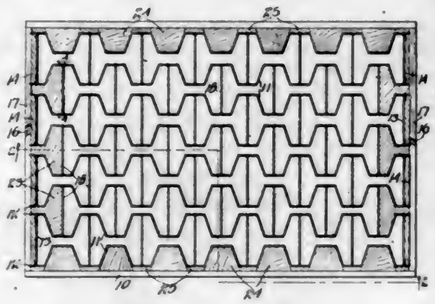
Means for propelling wheeled vehicles comprising a wheel having a rim, a plate mounted within the rim and fixed thereto, projections on said plate extending beyond the edge of the rim, and defining axially extending recesses in said plate and a pivotally mounted lever adapted directly to engage in the recesses to rotate the wheel in either direction.

1,631,901. CONCRETE-BLOCK MOLD. WILLIAM A. THREADGILL, Miami, Fla. Filed Sept. 11, 1926. Serial No. 134,914. 10 Claims. (Cl. 25—121.)

2. A mold comprising a frame or box, core members disposed along the sides of the box and having inwardly projecting portions spaced along the same, reenforcing blocks disposed behind said inwardly projecting portions, a plurality of opposed partition members having portions projecting outwardly and inwardly in alternate relation, and separator plates disposed between said alternate outwardly extending portions and forming substantially H-shaped spaces, substantially as set forth.

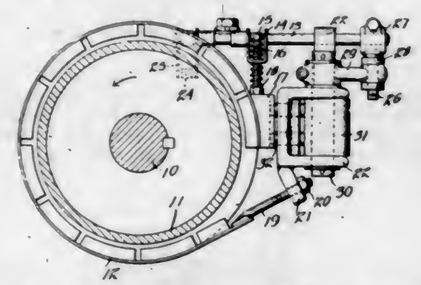
5. A mold comprising a frame, a plurality of partition members disposed tranversely therein, a plurality of

separator plates between said partition members, said partition members having their ends provided with slots, and a bar extending transversely within said slots, said



bar being adapted to be operated for jarring the partition members loose from the box, substantially as set forth.

1,631,902. AUTOMATIC BRAKE FOR VEHICLES. B. WICKLIFFE TWYMAN, Columbus, Ohio, and RALPH B. BURTON, Indianapolis, Ind. Filed Sept. 29, 1926. Serial No. 138,496. 17 Claims. (Cl. 192—4.)

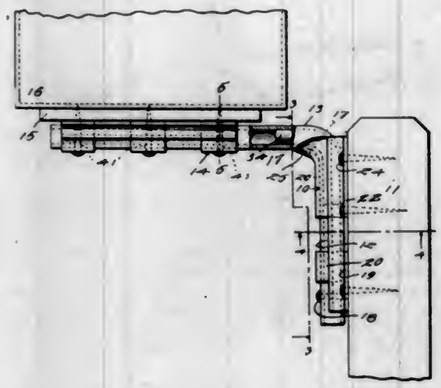


4. The combination of a brake drum, a brake band associated with said brake drum, having one end secured in fixed position and the opposite end yieldably supported whereby when the brake drum is rotated in one direction the band will be lifted substantially out of engagement therewith and permit free rotation of the drum but upon a reverse rotation of the drum the band will grip the drum and prevent rotation thereof, substantially as set forth.

1,631,903. STABLE PEROXIDIZED COMPOSITION AND PROCESS OF MAKING SAME. JOHANNES A. L. VAN DER LANDE, Deventer, Netherlands, assignor, by mesne assignments, to Novadel Process Corporation, Buffalo, N. Y., a Corporation of New York. Filed May 3, 1926. Serial No. 106,486, and in The Netherlands Oct. 18, 1924. 9 Claims. (Cl. 23—250.)

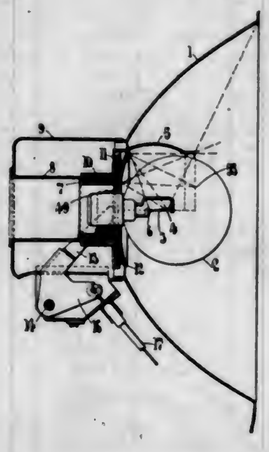
1. A mode of overcoming the hygroscopic tendency of peroxidized compounds used for treating edible milling products and of increasing the stability thereof which comprises intimately incorporating the peroxidized compounds with a dry stable nondeliquescent solid material capable of absorbing considerable quantities of moisture without becoming wet and pasty and which in small quantities is non-poisonous to human beings, such incorporation being performed in the absence of flour in amount equal to many times as much as the amounts of said chemicals.

1,631,904. MAIL-BOX SUPPORT. JOHN WARMACK, Fort Smith, Ark. Filed July 7, 1926. Serial No. 120,981. 4 Claims. (Cl. 232—40.)



1. In a support for rural mail boxes and the like, a bracket adapted for attachment to a post and providing a vertically directed bearing, a horizontally disposed arm having a vertical extension engaged in said bearing and capable of vertical movement with relation thereto, the upper end of the bracket having a notch in which the arm may be engaged to maintain the arm in one position with relation to the bracket comprising a plate provided centrally with oppositely pressed semi-spherical portions providing a circular opening for the passage of the arm, the edges of the plate being offset and having their upper faces arranged in the same plane as the upper surface of certain of said pressed portions, the others of said pressed portions having openings for the passage of securing elements whereby the plate may be secured to the arm.

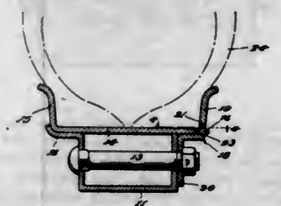
1,631,905. PROJECTION LAMP. HAROLD WORKMAN, Glasgow, Scotland. Filed May 15, 1926, Serial No. 109,446, and in Great Britain May 14, 1925. 1 Claim. (Cl. 240—45.)



A headlamp for motor vehicles comprising a lamp body, a parabolic reflector mounted therein, a source of illumination extending from the focus of said reflector along its axis, a movable screen mainly formed as a zone from the central portion of a hemisphere and polished and plated

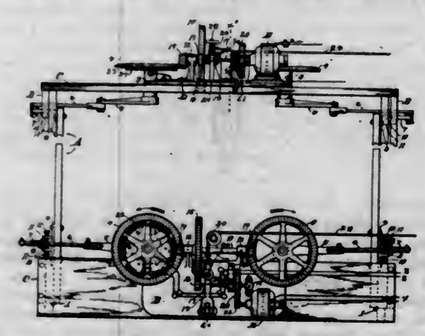
on its inner surface, and so disposed that, when the screen is in the operative position, the center of the sphere lies approximately on the axis of the reflector and between the center of the light source and that end of it which is farthest from the focus of said reflector and an actuating mechanism operatively connected to said screen to cause the latter to move between its two extreme positions—one in which it intercepts the rays from said source of illumination to or from substantially one half of said reflector and the other in which it allows the light free access to substantially all of said reflector.

1,631,906. DEMOUNTABLE RIM. FRED D. ALLEN, Portsmouth, Va. Filed June 3, 1926. Serial No. 113,510. 2 Claims. (Cl. 301—35.)



2. A demountable rim including a rim body having lateral marginal lugs, a side ring slotted to receive said lugs, said lugs and side ring being provided, respectively, with grooves, and a removable locking ring common to the respective grooves, as and for the purpose set forth.

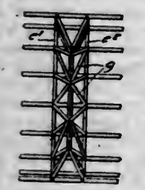
1,631,907. DOOR-OPERATING MECHANISM. FRED P. ANGELL, Huntington Park, Calif. Filed July 6, 1925. Serial No. 41,792. 7 Claims. (Cl. 268—63.)



1. In a door operating mechanism, the combination with a motor and a gear train operated by said motor to open and close a pair of doors, of means to disengage or separate motor communication between said motor and said doors through the separation of one gear from another including a lateral movable bearing in which one of said gears is journalled, means to restore said gears into engagement after having been disengaged and means to yieldingly retain said gears in engagement.

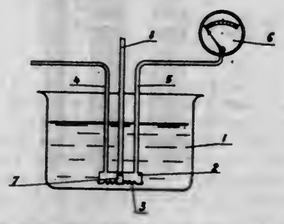
1,631,908. RIGID AIRSHIP. KARL ARNSTEIN, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Filed Oct. 2, 1924, Serial No. 741,240, and in Germany Oct. 13, 1923. 8 Claims. (Cl. 244—3.)

1. A rigid airship comprising a longitudinal member and a cross member, said cross member comprising a plurality of girders, part of said girders being so arranged in one common plane substantially at right angles to the longitudinal axis of said airship as to form a substantially polygonal truss with rigid circumferential mem-



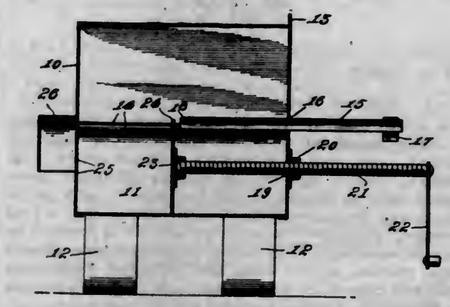
bers, another part of said girders being situated out of the plane of said polygonal truss and being arranged in pairs substantially symmetrically thereto.

1,631,909. LIQUID-LEVEL INDICATOR. RAOUL EDOUARD BADIN, Paris, France. Filed Jan. 12, 1924, Serial No. 685,874, and in France Dec. 11, 1923. 2 Claims. (Cl. 73—54.)



1. In a liquid level indicator the combination of a pressure chamber immersed in the liquid at the full depth to be measured, means whereby said chamber is fed by a small inflow of compressed gas, an elastic diaphragm forming a wall of this chamber and subjected to the pressure of the liquid, a discharge valve secured to said diaphragm, a discharge tube connected at one end to the pressure chamber and communicating with the interior thereof at a point opposite said discharge valve and extending above the normal level of the liquid, a seat formed in the pressure chamber end of said discharge tube and cooperating with the discharge valve, a manometer gage and means whereby the said gage is adapted to indicate values proportional to the difference between the pressure in the pressure chamber and the pressure above the liquid.

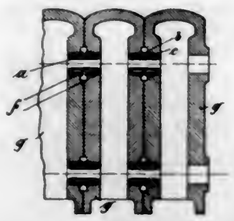
1,631,910. POTATO-MASHING MACHINE. ARTHUR E. BENQUIST, Lindstrom, Minn. Filed Sept. 4, 1925. Serial No. 54,558. 1 Claim. (Cl. 146—176.)



A potato mashing machine comprising a supporting base, a horizontally arranged cylindrical compression chamber mounted on the base and having one wall

imperforate and its other wall formed with a plurality of perforations, an inverted frusto pyramidal hopper located above and communicating with said chamber and coextensive in length therewith, pairs of spaced guide flanges located at the juncture of said chamber with the hopper, a cutoff plate arcuate in cross section and complementary to the compression chamber slidably mounted for longitudinal movement along said pairs of guide flanges, a follower mounted within said compression chamber and having a portion extending into the opening at the juncture of the hopper with the chamber to prevent rotation, and an operating screw threaded through a nut member at the imperforate end of the chamber and having a swivel connection with the follower.

1,631,911. CONNECTING NIPPLE FOR CAST-IRON HEATING-BOILER ELEMENTS. ALBERT BRAHM, Dusseldorf-Rath, Germany. Filed Apr. 7, 1926, Serial No. 100,341, and in Germany Mar. 25, 1925. 1 Claim. (Cl. 122—231.)



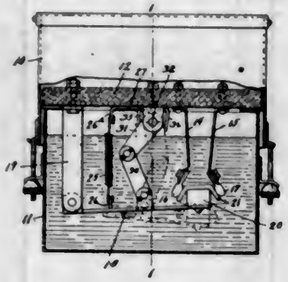
An elastic connecting nipple for cast iron heating elements of boilers comprising in combination a metallic sleeve having its ends outwardly bent, two metallic rings encompassing said sleeve, each ring being firmly connected at its outer end to the respective outwardly bent end of said sleeve, said rings having an internal diameter substantially greater than the external diameter of said sleeve and the combined length of said rings being less than the length of said sleeve, whereby to provide a space between said sleeve and said rings, and a gap between the opposed ends of said rings, said rings being exteriorly shaped to fit into connecting bosses of the boiler elements substantially as described and set forth.

1,631,912. CUFF BUTTON. GEORGE W. BROWN, Marietta, Ohio. Filed Sept. 25, 1925. Serial No. 58,638. 1 Claim. (Cl. 24—109.)



A button of the character described comprising a base, a shank associated therewith and including relatively movable parts, each part having a V-shaped groove longitudinally thereof, said grooves unitedly defining a socket square in cross section and at the opposite sides of the shank, and having openings beneath said socket, a head including a squared extension adapted to be received by said socket whereby said head is capable of being rotated with relation to the base, said extension cooperating with said grooves for holding said head fixed with relation to the base in a given position, and an enlargement carried by the lower end of said extension and operating in said opening, and holding said head against casual separation from the shank.

1,631,913. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed July 3, 1922. Serial No. 572,527. 3 Claims. (Cl. 200—67.)



1. In an electric switch including an enclosing casing, movable and stationary switch members and operating mechanism received therein, said movable switch member comprising a pivoted arm, said operating mechanism including means to urge the switch members together, a rotatably supported operating shaft extended externally beyond the casing, links comprising a toggle connecting said operating shaft and pivoted arm arranged to govern the action of said urging means, and an operating member connected loosely with said shaft externally of said casing.

1,631,914. ELECTRICAL CONNECTER. MARCEL URBAIN CAILLAU, Billancourt, France. Filed Sept. 26, 1924. Serial No. 740,075, and in France Sept. 27, 1923. 2 Claims. (Cl. 173—269.)

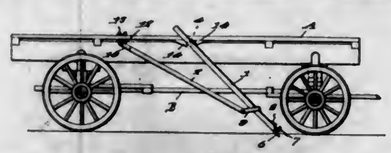


1. An electrical connecter comprising a pair of flat companion blades disposed in superimposed relation and pivotally connected at one shouldered end, the opposite end of each blade being of arcuate form to provide a gripping section, said blades being in contact at substantially midlength and divergent from the point of contact and then elbowed back to their pivotal point and divergent from the point of contact to the ends of the gripping sections, an insulating sheath having an opening to receive and hold the blades together inwardly of their gripping sections and of a length to extend beyond the point of pivotal connection of the blades, and a spiral spring yieldingly encircling both blades and held between the blade shoulders at one end and the inner end wall of the sheath at the other, said spring acting to normally maintain the relative positions of the blades and sheath so as to cause the gripping sections to be firmly held together by the edge of the opening in the sheath.

1,631,915. VEHICLE BODY REMOVING AND REPLACING DEVICE. SAM CARNES, North Powder, Oreg. Filed Oct. 2, 1926. Serial No. 139,156. 3 Claims. (Cl. 254—49.)

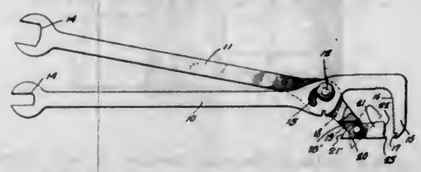
1. A device of the class described comprising a beam, an arm extended at rightangles therefrom adjacent the top thereof, a ground engaging part at the lower end of

the beam, a second beam slidably connected with the first beam, means for holding the second beam adjacent the lower end of the first beam and means for detachably



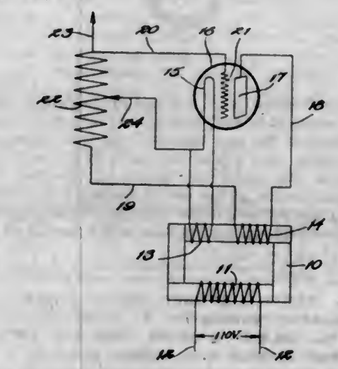
connecting the upper end of the second beam with a wagon body, the arm of the first beam also engaging a part of the wagon body.

1,631,916. TONGS. JAMES CHAMBERS, Pavo, Ga. Filed Nov. 27, 1925. Serial No. 71,765. 1 Claim. (Cl. 81—81.)



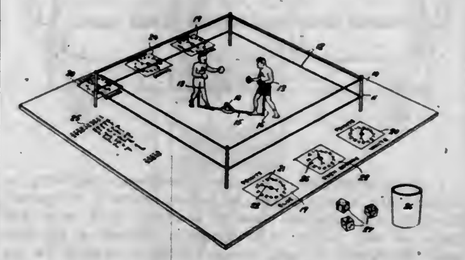
Tongs including a pair of crossed pivoted handles, one handle extending beyond the adjacent end of the other handle and formed with a right-angularly disposed jaw, there being a series of transverse teeth formed on one side of the jaw and a series of longitudinally disposed teeth arranged on the free end of the jaw, said adjacent end of the other handle being offset approximately forty-five degrees and bifurcated, said extension terminating within the confines of said fixed jaw, and a pivoted jaw including a reduced shank received by said bifurcation and pivoted therein and having a transverse series of teeth and a longitudinal series of teeth to cooperate with the corresponding series of teeth on the first mentioned jaw, said pivoted jaw when in a vertical position being wholly disposed beneath said fixed jaw, said offset portion of the handle having a beveled surface, and the adjacent end of said pivoted jaw having a similar surface adapted to engage the beveled surface of the handle to limit the pivotal movement of the jaw in one direction.

1,631,917. THERAPEUTIC OSCILLATOR. CHARLES C. COOK and GEORGE S. WALKER, Saginaw, Mich. Filed Jan. 28, 1925. Serial No. 5,299. 1 Claim. (Cl. 250—36.)



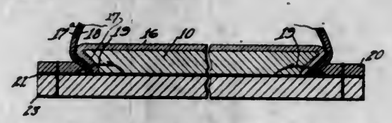
In an apparatus of the character described, a transformer having a primary coil adapted to be energized by an alternating current of a voltage commonly used in connection with house lighting systems, the transformer having two secondary coils, a three element vacuum tube including a filament having its terminals connected with one of said secondary coils, a plate having connection with one terminal of the other secondary coil, and an inductance located in series between the remaining terminal of the second named secondary coil and the grid element of the vacuum tube, one terminal of the filment being connected with an intermediate point in the inductance.

1,631,918. FIGURE TOY. MANUEL P. CORREA, Jr., Kalawao, Territory of Hawaii. Filed Jan. 13, 1926. Serial No. 81,063. 3 Claims. (Cl. 46—40.)



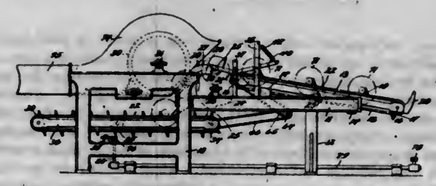
2. In a toy device, an arena including a base, a substantially U-shaped bracket secured to the center thereof, figures supported upon and arranged between the vertical parallel portions of the bracket and representing pugilists, each figure being formed from a flat piece of material, and a blank of material representing a pair of togs for each figure, and adapted to be attached to the latter.

1,631,919. SHOE AND METHOD OF MANUFACTURE. CHARLES O. CRISTALLINI, Worcester, Mass., assignor to Peck Shoe Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 14, 1925. Serial No. 30,291. 2 Claims. (Cl. 36—17.)



1. As an article of manufacture, a shoe having an insole with a smooth flat lower surface provided with an inner channel, and having a lining on the top of the insole provided with a flange around the edge of the in-sole a welt, a layer of textile material secured to the bottom of the in-sole and of the welt throughout their areas to prevent squeaking, and an outer sole secured thereto, the welt and in-sole being sewed together in a way to tend to convex the in-sole on top.

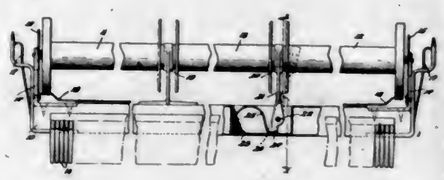
1,631,920. JACK-SPOOL-STRIPPING MACHINE. GEORGE CROSSLAND, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Feb. 20, 1925. Serial No. 10,670. 16 Claims. (Cl. 28—19.)



3. A machine of the class described, comprising in combination, a slotted guideway adapted to accommo-

date the projecting shaft at each end of a jack spool or the like, means for delivering spools into said guideway, and means for delinting said spools while passing through said guideway.

1,631,921. SPOOL SUPPORT. GEORGE CROSSLAND, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Apr. 2, 1926. Serial No. 99,373. 4 Claims. (Cl. 139—10.)



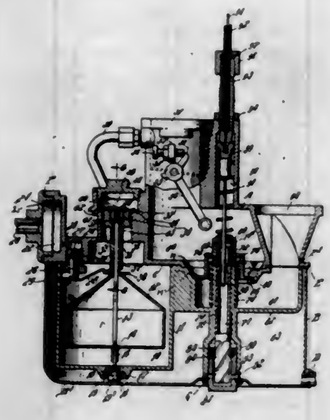
1. A spool carrier of the kind described comprising in combination, a pair of coaxial spools rotatably supported at their non-adjacent ends in bearings rigid with the frame of the carrier, a transversely extending two-arm lever fulcrumed to said frame having a bearing in its outer end for the contiguous ends of said spools, the inner end of said lever terminating in a foot engaging a surface of the frame when the bearing in said outer end is coaxial with the other bearings, and a spring exerting pressure on said lever tending to hold said foot against said surface.

1,631,922. LADDER. TIMOTHY HERBERT CURTIS, Westminster, England. Filed Nov. 2, 1926, Serial No. 145,825, and in Great Britain June 9, 1926. 1 Claim. (Cl. 228—36.)



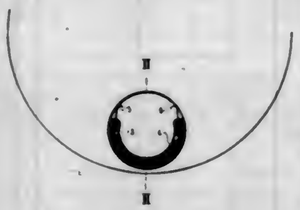
A collapsible ladder comprising a pair of side members each of channel section for the greater portion of its length from one end and of tubular section for the remainder of its length, with a transverse cut situated towards the free end of the channel section portion, the portion between the cut and the adjacent end having its sides pressed inwardly to enable it to be passed within the tubular end portion of a side member of another ladder, and rungs pivoted at their ends within both the side members and to be contained within said side members when the ladder is in its collapsed condition.

1,631,923. CARBURETOR. FRED DAY, Alcester, S. Dak. Filed Mar. 1, 1924. Serial No. 696,366. 2 Claims. (Cl. 158—36.1.)



1. In a device of the class described, a float chamber, a float therein, a reduced air pressure connection for the chamber, a fuel inlet and an air inlet for the chamber, a tubular air inlet valve, a stem for the float, said stem passing through the valve, a valve on the stem controlling the passage of air through the tubular valve to the chamber, and controlling the movement of the tubular valve in one direction, and a spring for opening the tubular valve and admitting additional air to the chamber after the tubular valve has been released by the valve on the stem.

1,631,924. SOUND DAMPER. HEINRICH WILLEM KAREL DE BREY, The Hague, Netherlands. Filed June 18, 1924. Serial No. 720,859. 5 Claims. (Cl. 181—27.)



1. In combination with a sound transmitting element, of means arranged in said element and in contact with the inner surface of the wall thereof throughout substantially its full length, said means having a length approximating one-half the cylindrical length of the wall at the point of application of the means and extending inwardly from the inner surface of said wall to provide throughout its length a complete interruption to the passage of sound waves.

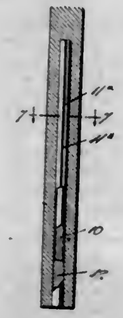
1,631,925. FRUIT SCRUBBER AND POLISHER. HARRY T. DEMAREST, Warwick, N. Y. Filed Dec. 1, 1924. Serial No. 753,332. 4 Claims. (Cl. 146—202.)

1. A fruit scrubber and polisher including a longitudinal substantially horizontal endless conveyor, embodying transverse freely rotatable fruit supporting rollers, stationary means mounted beneath the upper run of the conveyor on to which said rollers are adapted to ride for causing rotation of the rollers and sustaining the latter when supporting the fruit, means to actuate said conveyor, polishing means above the upper run of said conveyor to engage the tops of the fruit, and means associ-



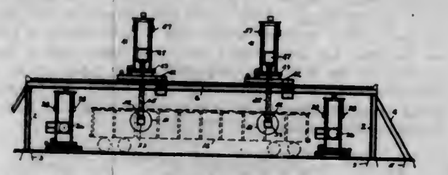
ated with said polishing means to cause lateral turning of the fruit while being moved longitudinally by the conveyor.

1,631,926. GOLF-CLUB SHAFT. ROBERT E. DICKINSON, Jr., Memphis, Tenn. Filed Jan. 24, 1927. Serial No. 163,102. 2 Claims. (Cl. 273—80.)



1. A golf club shaft comprising a single solid piece of wood turned to shape and formed with a central longitudinal bore, which opens through its lower end, a springy metal tube snugly held in said bore and terminating a short distance from the lower end thereof, a wood dowel snugly fitted into said tube, and a second wood dowel snugly fitted into the lower portion of the bore and abutting the lower ends of said tube and the first named dowel, said tube extending into the portion of the shaft for reception in the usual socket of the club head.

1,631,927. SAWING APPARATUS AND METHOD. WILLIAM S. DIETRICH, Greenville, Pa., assignor to The Greenville Steel Car Company, Greenville, Pa., a Corporation of Pennsylvania. Original application filed July 24, 1926, Serial No. 124,616. Divided and this application filed Oct. 30, 1926. Serial No. 145,351. 11 Claims. (Cl. 29—69.)



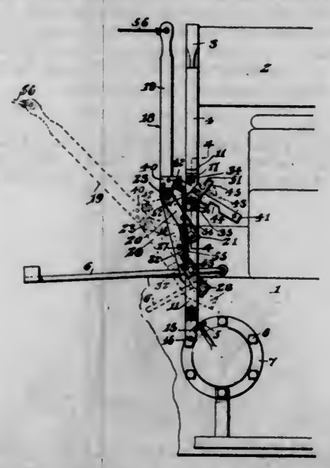
1. An apparatus of the character described having in combination a trackway above which a unit of railway rolling stock to be operated on may be retained in position principally by its own weight, a trackway extending parallel to said first-named trackway, a high speed friction saw unit movably mounted on said last-named trackway, and means for traversing said saw at right angles to said second trackway.

1,631,928. FABRIC DISK WHEEL. JOHN H. DOTY, Akron, Ohio. Filed Feb. 20, 1925. Serial No. 10,520. 3 Claims. (Cl. 301—63.)



1. A vehicle wheel comprising a vulcanized body portion formed of two opposed outwardly convergent disk portions, each of said portions being composed of superposed plies of rubberized fabric vulcanized to form a composite body, the warp elements of the fabric composing said plies being grouped in fan-wise formation.

1,631,929. LEVER CONTROL FOR CLUTCH PEDALS. HARRY J. ENGLAND, Iowa Falls, Iowa. Filed Oct. 16, 1926. Serial No. 142,069. 7 Claims. (Cl. 74—39.)



1. A lever control for clutch levers or pedals comprising a support, an operating lever pivotally connected therewith, a hanger depending from and pivotally connected at its upper end to said lever, a holding member carried by the hanger and adapted to be arranged in the path of the clutch lever or pedal for shifting the latter downwardly to locked position when the lever is moved in one direction, a latching block carried by the support, a latching member pivotally connected to the lever and coacting with said block for maintaining the clutch pedal in latched position, and a resilient device slidably con-

nected with the support and pivotally connected to said member for snapping it into engagement with said block and for releasing it from engagement with said block during the shifting of said lever.

1,631,930. METHOD OF IMPROVING ALUMINUM ALLOYS. VINCENZ FUSS, Lautawerk, Germany, assignor to Vereinigte Aluminumwerke A. G., Lautawerk, Germany. Filed May 31, 1924, Serial No. 717,170, and in Germany Aug. 16, 1923. 1 Claim. (Cl. 148—11.)

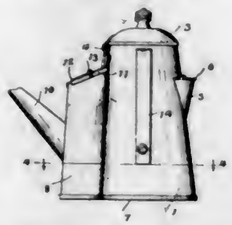
The process of treating aluminum alloys consisting in producing an ingot of aluminum alloys with substantially four percent of copper and two percent of silicon, subjecting the same to pressure to reduce it to the desired thickness, heating the same to the temperature of substantially 500 degrees C. for the period of about three hours, cooling the same, and then maintaining the same at a temperature of about 90 to 100 degrees C. for the period of about 48 hours.

1,631,931. DISPENSING CONTAINER FOR PLASTIC SUBSTANCES. WILLIAM H. G. GEAKE, Killara, near Sydney, New South Wales, Australia, assignor to Walter Rutherford, London, England, and John Bain, Ottawa, Canada. Filed Nov. 10, 1925, Serial No. 68,225, and in Great Britain Sept. 22, 1925. 5 Claims. (Cl. 221—60.)



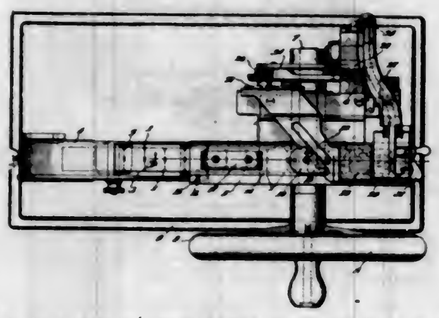
1. A dispensing container including relatively rotatable rigid members, a torsionally collapsible sack arranged between said members and fixed direct to each at its top and bottom, said sack having an axial dimension less than its dimension in a plane transverse to its axis, and being adapted to discharge its contents through an aperture suitably formed in one of said members.

1,631,932. COMBINED COFFEE AND TEA POT. CHARLES GRIFFIN, Ypsilanti, Mich. Filed Aug. 17, 1926. Serial No. 129,851. 1 Claim. (Cl. 53—3.)



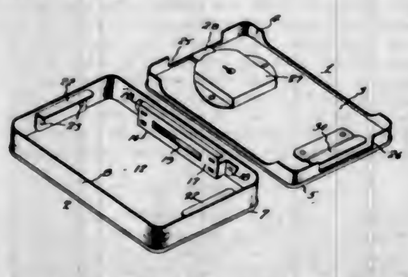
A combined coffee and tea pot comprising a coffee chamber provided at its top with an inwardly projecting guard lip and having a swinging cover adapted to extend over the entire top of the chamber above the said guard lip, a pouring spout for said chamber at an intermediate point of the height thereof and diametrically opposite the guard lip, a tea chamber set in the side of the coffee chamber diametrically opposite the pouring spout and closed to the coffee chamber, the top of the tea chamber comprising a fixed portion extending downwardly and outwardly through the side of the coffee chamber, and a swinging lid hinged to the free edge of said fixed portion to rest upon the outer wall of the tea chamber.

1,631,933. TAG PRICE-MARKING MACHINE. FREDERICK KOHNLE, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 11, 1926. Serial No. 147,819. 5 Claims. (Cl. 101—291.)



1. In a strip or ribbon feeding device, the strip to be fed having apertures in spaced relation and longitudinally aligned, a track for the strip comprising an enclosed channel for placing and guiding the strip and having a strip receiving platform at the end of the channel, a tension plate providing a closure for said channel and having bearing upon said platform for applying tension on the portion of the strip upon the platform, and a reciprocating feed finger moving longitudinally of the strip traversing said platform and adapted to engage into an aperture in the strip portion engaged by said tension plate.

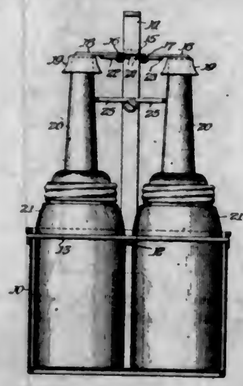
1,631,934. MONEY RECEPTACLE. MARCUS H. MOFFETT, Lakewood, Ohio, assignor to The Bankers Savings & Credit System Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 12, 1923. Serial No. 612,219. 4 Claims. (Cl. 232—4.)



1. A coin receptacle of the character described comprising a base having a peripheral flange, a cover having a similar flange arranged to telescope over the flange of the base, ledges extending inwardly from opposed parts of the flange of the cover, the flange of the base having notches through which said ledges extend, a part on the base for engagement over one ledge, and a lock carried by the base the bolt whereof is adapted to be projected over the other ledge, the interlocking parts being so constructed as to permit reversal of the casing members with respect to each other.

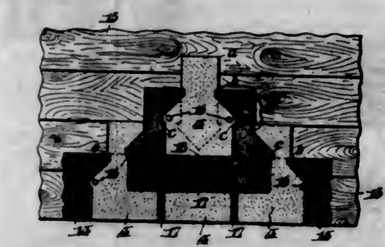
1,631,935. CONTAINER. WILLIAM NEIL, Chicago, Ill., assignor to William Neil & Company, Chicago, Ill. Filed Apr. 25, 1923. Serial No. 634,462. 9 Claims. (Cl. 224—48.)

1. In a device of the character described, the combination of a container in which a receptacle is adapted to be removably arranged, a support, said support providing a handle for the container, a closure hinged to the support, a stop cooperating with the closure to limit the downward movement of the closure and to maintain said closure in a substantially horizontal position from which



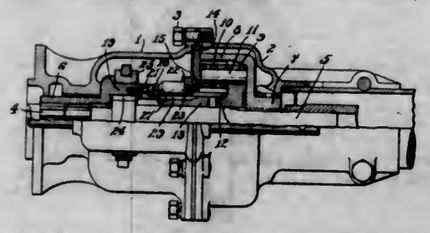
position said closure may be raised, said closure being provided to close the receptacle and to permit the removal of the receptacle from the container.

1,631,936. FLEXIBLE SHINGLE. GEORGE RITTER, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Sept. 3, 1925. Serial No. 54,198. 3 Claims. (Cl. 108—7.)



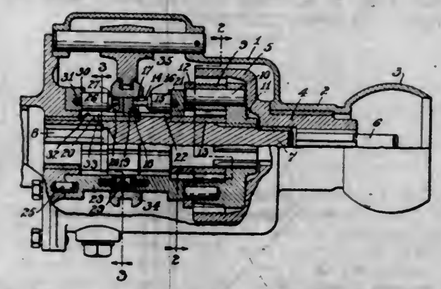
2. As a new article of manufacture a flexible shingle configured to afford upper and lower rectangular portions in parallel and of minor and major area respectively with a mutually merging intermediate trapeziform section, said intermediate section having opposed lateral lugs and notches, the former functional to provide the usual spacings and the latter affording relatively-stepped vertical-aligning angle points.

1,631,937. TRANSMISSION GEARING. JOHN M. SIMPSON, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Aug. 14, 1925. Serial No. 50,108. 10 Claims. (Cl. 74—34.)



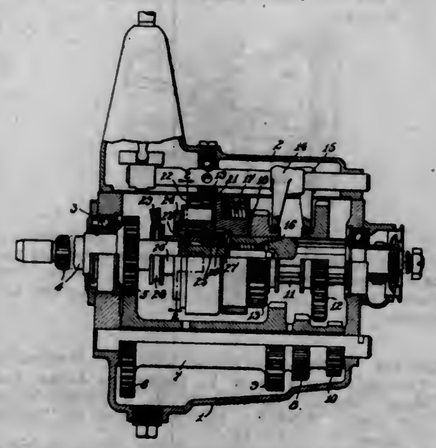
1. The combination with a driving shaft and a driven shaft, of a planetary gear system including a ring gear driven from said driving shaft, a sun gear and intermediate gears, means for holding the sun gear against rotation, a clutch including two sets of radially movable rollers connected to the driven shaft and co-operating respectively with means on the driving shaft and with means connected to the intermediate gears and means for operating one of said sets of rollers to connect the parts to drive the driven shaft directly from the driving shaft or to drive the driven shaft from said driving shaft through said planetary gear.

1,631,938. AUTOMOBILE TRANSMISSION. JOHN M. SIMPSON, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Aug. 14, 1925. Serial No. 50,169. 5 Claims. (Cl. 74—34.)



1. The combination with a driving ring gear, of a driven shaft, a pinion carrier connected to said driven shaft, pinions mounted on said carrier and meshing with said ring gear, a sun gear normally rotatable relatively to said driven shaft, a clutch including a plurality of radially movable rollers connected to said sun gear and cooperating with means on the driven shaft for locking said sun gear to said driven shaft and a second clutch including a plurality of radially movable rollers connected to a relatively stationary member and co-operating with means on the sun gear for locking said sun gear against rotation.

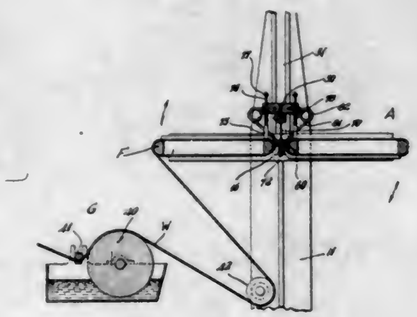
1,631,939. SPEED-VARYING TRANSMISSION. JOHN M. SIMPSON, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Oct. 28, 1925. Serial No. 65,317. 4 Claims. (Cl. 74—34.)



1. A speed varying transmission comprising a power receiving shaft, a power delivery shaft aligned therewith, and a planetary gear train for connecting said shafts

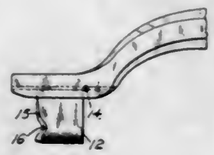
comprising an internal ring gear mounted on and rotatably connected with one of said shafts and having a set of clutch teeth, a stationary sun gear nesting said ring gear, a set of planetary pinions nesting said ring gear and meshing therewith and with said sun gear and mounted on a carrier having a set of clutch teeth and a clutch member splined on the other of said shafts and movable into engagement with the clutch teeth of the ring gear to directly connect said shafts and with the clutch teeth of the carrier to drive the delivery shaft through said planetary gear.

1,631,940. METHOD AND MECHANISM FOR COVERING CLOTH BOARDS, ETC. HARRY BRIDGMAN SMITH, New York, N. Y. Filed Nov. 19, 1925. Serial No. 70,031. 22 Claims. (Cl. 93—1.)



1. A method of applying sheet surfacing material to articles, comprising supporting a plurality of the articles at their ends, moving the articles together in a substantially orbital path, applying a continuous web of sheet covering material to the articles during such movement, and severing the web between adjacent articles.

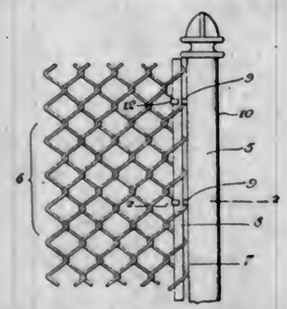
1,631,941. TIRE-REGROOVING TOOL. JOSEPH A. STRAITS, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 15, 1923. Serial No. 619,327. 6 Claims. (Cl. 30—20.)



1. A tool for cutting grooves in rubber compound comprising a cutting edge of substantially V-shape and having a plurality of notches therein, said notches being spaced from the apex of the edges forming the said V-shape.

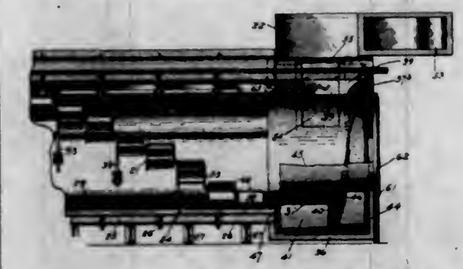
1,631,942. FENCE-FASTENING DEVICE. HERBERT G. THOMSON, New York, N. Y., assignor to Anchor Post Fence Company, Garwood, N. J., a Corporation of New Jersey. Filed Dec. 18, 1926. Serial No. 155,707. 2 Claims. (Cl. 256—52.)

2. In fence fastening devices, the combination with chain-link fabric and a rectangular supporting post adjacent the marginal links of said fabric, of a restraining bar extending through the said links, and a series of angular locking members for said bar, one leg of each member being detachably secured to the side of the post ad-



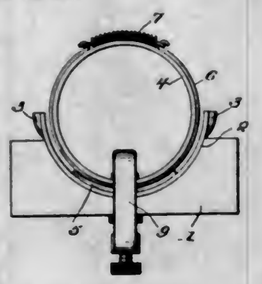
jacent the fabric and the other leg having a forwardly-projecting hook which engages the edge of the bar remote from the post.

1,631,943. METHOD OF TREATING RUBBER ARTICLES. WILLIAM R. URQUHART, Los Angeles, Calif., CLIFFORD W. POST, Chicago, Ill., DWIGHT E. HUMPHREY, Cuyahoga Falls, Ohio, and CLARENCE C. VAN ARSDALE, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Oct. 18, 1920. Serial No. 417,755. Divided and this application filed Sept. 5, 1922. Serial No. 586,215. 5 Claims. (Cl. 18—53.)



1. The continuous method of treating rubber articles which consists in moving the articles progressively and successively through a circulated medium of heating fluid, different zones of which are maintained at material different temperatures.

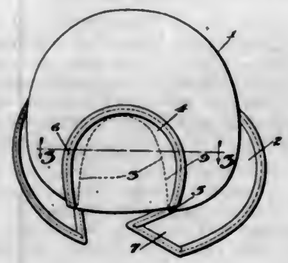
1,631,944. APPARATUS FOR CASTING CURVED STEREOTYPE PLATES. SIMON WEBBNER, Linton, Ind. Filed June 23, 1926. Serial No. 118,125. 2 Claims. (Cl. 22—2.)



1. A device of the class described comprising a base having a semi-circular recess therein for receiving a mat, a cylinder adapted to fit in the recess and a pair of

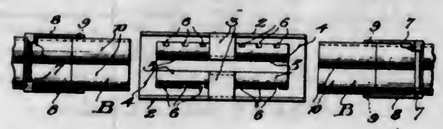
rings embracing the cylinder and adapted to rest on the mat for forming a metal receiving space above the mat said rings being bodily movable on the cylinder so that they can be adjusted to any position thereon.

1,631,945. LADY'S TRIMMED HAT. ERNEST M. ACH, Cincinnati, Ohio, assignor to The Samuel Ach Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 13, 1925. Serial No. 50,059. 2 Claims. (Cl. 2—197.)



1. A lady's hat comprising a crown portion having an opening at one side, the opening being of semi-oval form extending from the base line of the crown upwardly into the crown and a split-rim adapting the crown to be retracted for adjusting the head band dimension thereof, the rim extending beyond said crown opening for overlapping the rim ends in retracting the crown, and a flap covering said crown opening secured to the crown.

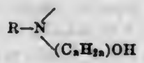
1,631,946. EXPANSIBLE LINK BRACELET. WILLIAM C. BOOTS, Attleboro, Mass., assignor to Guyot Brothers, Attleboro, Mass. Filed Apr. 7, 1926. Serial No. 100,370. 8 Claims. (Cl. 24—206.)



4. In combination with a bracelet having attaching means on its ends, a connecting member, means on the connecting member for engaging and holding said attaching means against lateral movement, one of said means being hollow to telescopically receive the other, means carried by one of said means to adjustably latch same to the other, and means carried by the said other means to engage the latching means.

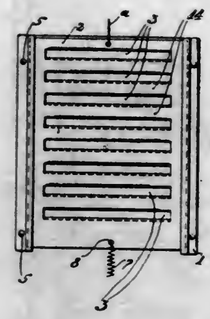
1,631,947. METHOD OF TREATING RUBBER. HERMAN A. BRUSON, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 28, 1926. Serial No. 138,338. 15 Claims. (Cl. 18—50.)

5. A method of preserving the quality of vulcanized rubber that comprises associating a material having the structural formula:



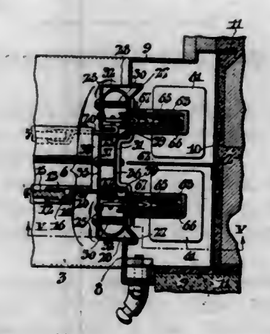
or derivative of this material with the rubber.

1,631,948. AUTOMOBILE RADIATOR SHIELD. HARRY LEIGH CURRAN, New York, N. Y. Filed Dec. 21, 1922. Serial No. 608,342. 1 Claim. (Cl. 189—61.)



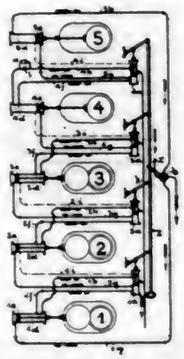
In a radiator shield, a frame comprising a flat plate carrying on opposed edges guiding means, said plate being formed with a series of parallel apertures, and a slide plate held in position upon the frame by said guiding means and formed with a series of apertures parallel with the apertures of the frame, means whereby the slide plate may be moved so that its apertures will lie in register with those of the frame or in position to close the apertures of the frame, a flange formed on the slide plate parallel and contiguous to each of its said apertures, and a flange on the frame contiguous to and parallel with each of the apertures therein, the said flanges co-acting to seal the said apertures against the admission of air when the slide plate is in closed position.

1,631,949. METALLIC WINDOW. JOAH BROGDEN, Melrose Park, Pa., assignor to David Lupton's Sons Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 17, 1921. Serial No. 501,396. Renewed Sept. 26, 1925. 21 Claims. (Cl. 189—72.)



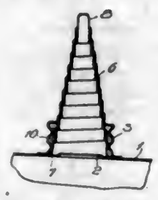
1. The combination of metal window jambs; a sliding metal sash with laterally-flanged side rails and space for edgewise play outside them; and metal guides for said sash with portions extending between and engaging the lateral side rail flanges and adjustable transversely of the window, and thus controlling the edgewise position of the sash.

1,631,950. MEANS OF WORKING BLAST HEATERS USED IN CONNECTION WITH BLAST FURNACES. HERMANN RAPPOLD, Duren, Germany, assignor to Zimmermann & Jansen Gesellschaft mit beschränkter Haftung, Duren, Rheinland, Germany. Filed Apr. 6, 1925, Serial No. 732, and in Germany May 22, 1924. 4 Claims. (Cl. 137—144.)



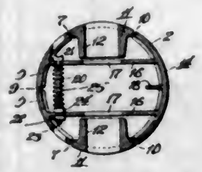
1. An arrangement for automatically and positively operating the shut-off devices of blast heaters for blast furnaces by a pressure-medium always in their correct succession only required for a proper working of the heater: comprising, in combination with said shut-off devices, a series of two-plunger cylinders, each one located intermediate two adjacent shut-off devices, a main operating contrivance, a lever system in connection with said cylinders and with said main operating contrivance and adapted to simultaneously reverse the operative position of the same, a series of one-plunger cylinders, each one connected by its plunger-rod directly with one shut-off device, and a pipe system for the pressure-medium so connected with all said cylinders and with said main operating contrivance that only at the completion of the operation of one shut-off device the next following one is operated, and so on.

1,631,951. COLLAPSIBLE SPOUT. BYRON A. MCAMSH, Chicago, Ill. Filed Sept. 26, 1923. Serial No. 664,925. 5 Claims. (Cl. 221—27.)



1. A collapsible spout formed of a substantially flat strip spirally wound into a coil with the upper edge of each convolution adapted to frictionally engage the outer wall of the adjacent convolution, and the walls of said convolutions being maintained in spaced relation through such engagement.

1,631,952. PISTON. ELMER C. LONG, Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 22, 1920. Serial No. 375,673. 12 Claims. (Cl. 74—108.)



1. A piston having a portion of its peripheral face entirely cut away, thereby forming a separated peripheral portion, supporting means secured to said separated portion extending to the opposite side of the piston for holding said portion in peripheral alinement with the peripheral face of the piston and means related to said separated portion for limiting the amount of separation of said portion from an adjacent peripheral portion.

Patents Nos. 1,631,953 to 1,632,776.

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Reissues	10—No.	16,650 to No.	16,659, inclusive.
Designs	67—No.	72,811 to No.	72,877, inclusive.
Patents	824—No.	1,631,953 to No.	1,632,776, inclusive.
Total	1,206		

ADJUDICATED PATENTS.

(C. C. A. Ohio.) The Hughes patent, No. 913,551, for supplying air blasts to and removing ashes from gas producers, claims 1, 2, 3, and 6 *Held* not infringed. *Morgan Const. Co.* v. *Wellman-Seaver-Morgan Co.*, 18 F. (2d) 395.

(C. C. A. Del.) The Baekeland patent, No. 942,699, relating to making insoluble products of phenol and formaldehyde, claim 1 *Held* valid and infringed. *Bakelite Corporation* v. *Brunswick-Balke-Collender Co.*, 18 F. (2d) 384.

(C. C. A. Del.) The Baekeland patent, No. 942,809, for insoluble and infusible product of phenol and formaldehyde, *Held* not infringed. *Id.*

(C. C. A. Ohio.) The Hughes patent, No. 977,651, for supplying air blasts to and removing ashes from gas producers, claims 1 and 2 *Held* valid and infringed and claims 4 and 5 not infringed. *Morgan Const. Co.* v. *Wellman-Seaver-Morgan Co.*, 18 F. (2d) 395.

(C. C. A. Ohio.) The Lummis patent, No. 1,178,086, for fuel feeder for gas producers, claims 10–14 *Held* not infringed. *Id.*

(C. C. A. Ohio.) The Jefferies patent, No. 1,255,015, for supplying air blasts to and removing ashes from gas producers, *Held* valid and infringed. *Id.*

(C. C. A. Ohio.) The Lummis patent, No. 1,274,176, for fuel feeder for gas producers, claims 5 and 6 *Held* valid and infringed and claims 4, 10, and 21 not infringed. *Id.*

(C. C. A. Mich.) The Perkins reissue patent, No. 13,436, for wood glue, claims 28, 30, and 31 *Held* valid and infringed. *Perkins Glue Co.* v. *Holland Furniture Co.*, 18 F. (2d) 387.

(D. C. Md.) The Gross reissue patent, No. 15,782, for automobile parking light, claims 4, 5, and 6 *Held* valid and infringed. *Gross* v. *Norris*, 18 F. (2d) 418.

(D. C. Md.) The Gross design patent, No. 57,640, for design of automobile parking light, *Held* invalid. *Id.*

TRADE-MARKS CANCELED.

30,760. Liquid toilet soap. Vernon L. Tenney, New York, N. Y. Registered October 26, 1897. Canceled May 16, 1927.

171,665. Milk-chocolate coating for candy. Peter Cailler Kohler Swiss Chocolate Co., Inc., New York, N. Y. Registered August 7, 1923. Canceled May 16, 1927.

196,195. Overalls, jumpers, work shirts, trousers, unionalls, and children's play suits. Service Garment Company, Gainesville, Tex. Registered March 10, 1925. Canceled May 16, 1927.

207,840. Paper products—namely, paper mailing envelopes, paper portfolios, paper wallets. Max Stark, New York, N. Y. Registered January 12, 1926. Canceled May 16, 1927.

209,702. Canned fish. J. C. Mullins & Co., Los Angeles, Calif. Registered March 2, 1926. Canceled May 16, 1927.

Condition of Applications Under Examination at Close of Business June 3, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,865; Trade-Mark Division, 1,746. Oldest new case, Oct. 16, 1926; oldest amended, Oct. 22, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 16	Mar. 18	565
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 7	Feb. 16	766
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 3	Jan. 29	1,560
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	†Dec. 14	Jan. 3	1,511
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	†Dec. 13	†Dec. 15	963
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Nov 15	†Nov. 9	1,585
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	†Dec. 29	†Dec. 29	1,273
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 25	Jan. 29	1,631
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 3	Mar. 10	844
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 3	Jan. 14	1,172
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Feb. 1	Feb. 1	932
380	12. PIERCE, P. P., Machine Elements	Jan. 6	Jan. 11	1,252
164*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 5	Jan. 7	1,234
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	†Nov. 29	Jan. 8	1,235
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 19	Jan. 20	1,437
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 8	Feb. 23	721
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Oct. 28	†Dec. 6	739
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Nov. 9	†Nov. 9	995
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 18	Feb. 25	839
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Jan. 31	Feb. 1	954
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 5	Jan. 8	972
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion	†Dec. 13	†Dec. 10	882
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Nov. 23	Jan. 13	754
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Oct. 16	†Nov. 11	1,056
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 15	Jan. 10	1,236
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 30	†Dec. 28	870
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 14	Feb. 25	846
225	28. BENSON, A. R., Internal-Combustion Engines	Jan. 21	Feb. 1	1,174
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 15	†Dec. 11	1,172
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 5	Feb. 15	1,036
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Jan. 3	Jan. 4	1,706
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 4	Feb. 11	987
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 1	Feb. 26	1,264
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders	†Nov. 29	†Dec. 7	849
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 3	Mar. 19	905
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 10	Mar. 9	1,013
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Jan. 7	Jan. 14	1,364
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Jan. 11	Jan. 26	1,033
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 31	Mar. 5	641
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	†Dec. 31	Jan. 12	1,969
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	722
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Dec. 23	†Dec. 26	1,485
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 19	Jan. 21	1,108
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 11	†Dec. 15	1,234
370	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Feb. 12	Feb. 26	916
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 7	Jan. 7	953
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 13	Jan. 11	1,466
213*	48. ROEPKE, O. B., Electricity, General Applications	†Dec. 31	Jan. 4	988
230	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	†Nov. 30	†Dec. 16	973
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 10	Feb. 10	1,488
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	†Nov. 20	†Dec. 1	1,351
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Jan. 31	Feb. 2	1,195
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 3	Feb. 8	1,110
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Oct. 26	†Oct. 22	1,766
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	†Dec. 15	Jan. 10	588
	55. RICHARD, V. I. (Acting)—Designs	Apr. 17	May 3	594
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	May 4	May 21	1,618
	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Labels and Prints	May 23	May 23	128

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE REINHARD.

Decided March 15, 1926.

PATENTABILITY OF CLAIMS—NOVELTY IN THE COMBINATION—SINGLE FUNCTION—SPECIAL COACTION BETWEEN ALL THE ELEMENTS.

Where there is novelty in the combination, where the combination performs a single function, and where there is special coaction between all the elements of the combination in performing that function, the doctrine of *Ex parte Mumford*, 100 O. G. 2178, and not *In re McNeil*, 106 O. G. 878, is controlling of the question of patentability of the claims.

[Note.—This application has resulted in Patent No. 1,582,848, April 27, 1926.]

APPEAL from Examiners in Chief.

Application for patent for windshield cleaners filed April 19, 1924, Serial No. 707,729.

Mr. Charles W. McDermott for applicant.

MOORE, *Assistant Commissioner:*

This is an appeal from the decision of the Examiners in Chief affirming the action of the Examiner finally rejecting all of the appellant's claims.

The invention is a windshield cleaner. The following are typical of the appealed claims:

2. A wind shield cleaner, having, in combination, a wiper means for reciprocating the wiper comprising a rotary screw shaft, and a tube within which the shaft has a running fit substantially throughout its length.

3. A wind shield cleaner, having, in combination, a wiper, and means for reciprocating the wiper comprising a rotary screw shaft and a device arranged to engage the root and sides only of the thread on the shaft.

8. A wind shield cleaner, having, in combination, a tube extending across the wind shield and provided with a longitudinal slot, a threaded shaft having a running fit in the tube, a wiper support mounted to slide along the slot, and a device carried by the wiper support engaged with the root and sides only of the thread on the shaft.

The references relied upon in support of the rejection of the claims are:

Brennan, No. 1,484,251, Feb. 19, 1924; Tuttle, No. 1,485,097, Feb. 26, 1924; Hammond, No. 1,516,600, Nov. 25, 1924.

The Examiners in Chief in affirming the decision of the Examiner state:

A wind shield cleaner having a reciprocating wiper to move across the wind shield and actuated by a rotary screw shaft by means of a traveling nonrotary nut which carries the wiper is shown to be old in the prior art.

The wind shield cleaner comprising a reciprocating wiper being old it is believed reasonable and the proper practice to hold that invention must reside in some of the other elements of the combination unless some new and unexpected result is secured by the combination and that it is immaterial whether the reciprocating element is a wiper for and on a wind shield or some other reciprocating element. In other words, there is not now a patentable combination between the specific character or type of reciprocating element and the specific actuating mechanism. The specific element (as a wiper) does not affect and is not affected by the specific actuating means.

The Examiner in his statement of the reasons for the rejection of the claims says:

The claims were all rejected as being directed to old combinations of a wiper and means for reciprocating the wiper over the wind shield glass, under the doctrine of *In re McNeil, In re Ratican*, etc. Applicant admits that he has improved only the manner of supporting the old rotary screw shaft and the form of the traveling nut. These are purely elements of the actuating device alone. The relation and cooperation between these elements and the wiper do not differ from that between the corresponding elements of the references, and the result obtained is the same; namely, the reciprocation of the wiper across the glass. It is held that the invention, if any, resides in the specific actuating means for the wiper (the nonrotatable nut, etc.) and not in the combination of this with the actuated element (the wiper).

It appears from the above that the Examiner and the Examiners in Chief are of the opinion that the doctrine announced in the McNeil decision (100 O. G. 2178), is controlling of the question of patentability of the appealed claims.

The appellant contends that—

* * * his whole combination between the motor and the wiper is new; that this combination has no utility outside of a wind shield cleaner, so far as he knows, or so far as the Examiner has pointed out, and that to deprive him of the right to claim it as a wind shield cleaner is to prevent him from claiming his real invention.

It is believed that the facts in this case do not fall under the McNeil decision, but under the Mumford decision (206 O. G. 878).

In the McNeil case there was no novelty in the combination of the trimmer and the stitch-forming mechanism. In the instant case there is novelty in the combination.

In the McNeil case the trimmer and the stitch-forming mechanisms performed two distinct operations upon the material. In the instant case the cleaning of the windshield is the sole function of the combination claimed.

In the McNeil case there was no special coaction between the particular stitch-forming mechanism and the trimmer. In the instant case there is special coaction between all of the elements of the combination in performing the windshield cleaning function.

The combination defined by claim 1 is new so far as shown by the references and is useful. The elements of the combination are not specifically claimed per se. The subject matter defined by this claim departs from the prior art in the "means for supporting the shaft substantially throughout its length." The specific means disclosed for performing this function is "a tube within which the shaft has a running fit substantially throughout its length", as specified in several of the appealed claims. This means assists in resisting the reaction resulting from the action of the wiper upon the shield whereby the wiper is firmly held in its operative position. The advantages that result from the use of the tube are set forth in the Reinhard specification and need not be repeated.

Claim 2 is more specific than claim 1 in including said tube as an element of the combination.

Claim 3 differs from the old combination in the limitation that the device which cooperates with the screw shaft is "arranged to engage the root and sides only of the thread on the shaft." As pointed out in Reinhard's specification, by this arrangement "the diameter of the assembled shaft and coil

is not increased over the diameter of the shaft alone." This also permits the shaft to be given a "running fit" within the supporting tube whereby the diameter of the shaft may be diminished, thereby lessening the current demand upon the storage battery of the car. This is one of the objects of the Reinhard invention, as set forth in his specification.

The remaining claims on appeal are more specific than those above considered and are regarded as patentable over the cited references. Some of these claims include in the combination the tube within which the shaft has a running fit and also the device for transmitting motion from the shaft to the wiper, said device engaging the root and sides only of the thread on the shaft.

In view of the above it must be held that the subject matter of each of the appealed claims is patentable over the cited patents.

The decision of the Examiners in Chief is reversed.

Court of Appeals of the District of Columbia.

DI SANTO *v.* GUARNERI.

No. 1,909. Decided February 7, 1927.

TRADE-MARKS—OPPOSITION—TOMATO PASTE—OLIVE OIL—SAME DESCRIPTIVE PROPERTIES.

Where opposer used his mark on tomato paste sold in cans, and applicant used his mark on olive oil sold in one-quart, two-quart, one-gallon, and six-gallon cans, *Held* that the goods are of the same descriptive properties.

APPEAL from the Patent Office. Reversed.

Mr. Arthur E. Dowell for Di Santo.

Mr. Hubert Howson for Guarneri.

Before MARTIN, Chief Justice, ROBB, Justice, and GRAHAM, Presiding Judge U. S. Court of Customs Appeals.

GRAHAM, *J.:*

On June 19, 1924, the appellee, Dominico Guarneri, filed in the Patent Office an application for registration of a trade-mark to be used in connection with the sale of olive oil, under the act of February 20, 1905, as amended. (33 Stat. 724.) The mark described consisted of a bust-size likeness of the Italian patriot Giuseppe Mazzini, surrounded by a border consisting of two concentric circles, with the word "Mazzini" in heavy black-faced type at the bottom of the likeness. On September 18, 1924, the appellant, Joseph Di Santo, filed notice of opposition to such registration. Testimony having been taken and submitted by both parties, on June 19, 1924, the Examiner of Interferences sustained the notice of opposition. On appeal from that action, the Assistant Commissioner of Patents, on August 27, 1925, reversed the decision of the said Examiner and granted registration to Guarneri. From that decision, Di Santo has appealed to this court.

The testimony shows that Di Santo, the opposer, resides at Duluth, Minnesota, and, for several years, has been there conducting the business of an importer, jobber, distributor and dealer in olive oil, tomato paste, malt sirup, cheese, raisins, garlic, macaroni, and other food products, all of which have been sold under the trade name of "Mazzini". On May 13, 1919, Di Santo caused to be registered in the Patent Office a trade-mark for effervescent granular salts, a magnesia preparation, which mark consisted of a bust-size likeness of Giuseppi Mazzini, with the word, in large black-faced type, "Mazzini". On October 21, 1924, he also caused the registration of a trade-mark to be made for tomato paste, which mark consisted of the word "Mazzini", in outlined letters. Application has also been made by him for registration of the same mark on malt sirup or malt extract, the date of filing of which application does not appear from the record.

It also appears from the record that the word "Mazzini", sometimes associated with a likeness and sometimes without, has been used continuously by Di Santo, as a trade name, upon effervescent salts, since 1916, upon tomato paste since February, 1923, and upon malt sirup or malt extract since 1920, in interstate commerce. The sales of tomato paste in particular, bearing this label, are shown to have been very large, and a considerable trade seems to have been conducted in effervescent salts and malt sirup of the same brand. In 1916, Di Santo determined to use the "Mazzini" brand on olive oil and at that time, and soon thereafter, advertised olive oil under that brand. Because of war conditions, however, no oil could be imported and none was sold in interstate commerce, under that brand, until July 1, 1924, since which time the trade name of "Mazzini" has been used extensively by him in connection with sales of such oil.

Guarneri, the appellee, resides at Brooklyn, where he conducts the business of a wholesale and retail grocer. Since August 6, 1923, he has been selling olive oil bearing the trade name "Mazzini" as described in his application for registration, in considerable quantities, sometimes aggregating 3,600 gallons in a year. There is some question about whether this has been sold in interstate commerce, but we think the record fairly shows that since September, 1923, these goods have been so sold.

The testimony further shows that the Di Santo tomato paste is sold in cans, the exact size of which is not stated. The Guarneri olive oil is sold in one-quart, two-quart, one-gallon and six-gallon cans. The testimony also shows that tomato paste and olive oil are ordinarily offered for sale together in grocery stores and other like retail establishments.

There is but one issue presented here. Di Santo, the opposer, claims that confusion is likely to arise in the trade which he claims to have established in goods of the same descriptive properties as those in which Guarneri desires to register his proposed trade-mark.

On the other hand, Guarneri contends that, even conceding the prior use and registration of the trade-mark "Mazzini" upon effervescent salts, malt sirup and tomato paste, these are not goods of the same descriptive properties as olive oil, and hence there can be no successful opposition here. As to the use of this trade-name by Di Santo on olive oil, it does not appear that he in fact so used it until after Guarneri had put his product upon the market. What opposer may have intended to do can not control. As was said in *George* v. *Smith*, 52 Fed. 830: "The law deals with acts and not intentions." See also *Borden Ice Cream Company* v. *Borden's Condensed Milk Company*, 201 Fed. 510.

It is manifest that the opposer had, long prior to the time when Guarneri first used the trade name "Mazzini", built up a very considerable trade in food products, which we may safely assume was the result in part, at least, of the use of his trade name and trade-mark. It must also be conceded that if any of the food products which he thus sold are of the same descriptive qualities as olive oil, that not only Di Santo, but the public as well, should be protected in the use of the trade name "Mazzini". Without attempting to express any opinion as to whether effervescent salts and malt sirup or malt extract are goods of the same descriptive properties as olive oil, we are clearly of the opinion that tomato paste, sold as shown by the record here, is of the same descriptive properties.

In *Williams* v. *Kern & Sons*, 254 O. G. 866, 47 App. D. C. 441, this court held that self-raising pancake flour and corn meal were of the same descriptive properties and remarked:

> The test here is not the likelihood of confusing the products, but the source from which they come.

In re Inderrieden Canning Co., 295 O. G. 887, 277 Fed. 613, 51 App. D. C. 214, involved the registration of the name "Peter Pan" as a trade-mark for canned peas and canned corn. It was rejected because of the prior registration of the same name as a trade-mark for canned pineapple. There Smyth, C. J., called attention to the fact that the prospective purchaser of canned peas would not likely be led by the confusion of marks to purchase pineapple when he desired peas, but might be led to purchase the peas on the strength of the standing and reputation of the pineapple bearing the same brand. In *Imperial Cotto Sales Co.* v. *Fairbanks Co.*, 284 O. G. 961, 50 App. D. C. 250, 270 Fed. 686, the Fairbanks Company, the opposer, had used and registered the trade-mark "Cottolene" to designate a cooking fat made from cottonseed oil and oleostearine. The applicant desired subsequently to register the same name as a trade-mark for an animal feed composed principally of cottonseed. The opposition was sustained.

In *California Packing Corporation* v. *Price Booker Mfg. Company*, 308 O. G. 451, 52 App. D. C. 259, 285 Fed. 993, the applicant sought to register the word "Mission" as a trade-mark for flavoring extracts for foods, mustard, tomato catchup, relishes, made of chopped and ground pickles packed in spices and vinegar, chowchow, salad dressing, and vinegar. Opposer used the same mark, substantially, on canned fruits, canned vegetables, foods and ingredients of food. The opposition was sustained. The words "Aunt Jemima's," accompanied by the picture of a negress, laughing, as applied to pancake sirup, have been held an infringement upon the same trade-mark as applied to self-rising flour. *Aunt Jemima Mills Co.* v. *Rigney & Co.*, 247 Fed. 407. This court, in *California Packing Co.* v. *Halferty*, 320 O. G. 700, 54 App. D. C. 88, 295 Fed. 229, held that canned fruit and canned salmon were of the same descriptive properties. In *Heller & Co.* v. *Southern Cotton Oil Co.*, 336 O. G. 510, 55 App. D. C. 288, 4 Fed. (2nd) 955, the word "Snowdrift" had been registered as a trade-mark for a lard compound and for certain other shortening compounds. When it was sought to register the same mark for use in a preparation described as "a substitute for the white of eggs in the making of meringue," etc., registration was refused. Attention is also called to *Wolf & Sons* v. *Lord & Taylor*, 202 O. G. 632, 41 App. D. C. 514, where men's, women's and children's stockings were held to be of the same descriptive properties as knitted and textile undershirts, drawers and union suits, and to *E-Z Waist Co.* v. *Reliance Mfg. Co*, 311 O. G. 709, 52 App. D. C. 291, 286 Fed. 461, where work shirts were held to be of the same descriptive properties as children's knitted waists.

It is a matter of common knowledge that the products tomato paste and olive oil, are both food products, one a condiment for the making of soups and relishes, the other principally used as an ingredient for sauces and salads. They are sold as canned goods, from the same establishments, and presumably to the same class of purchasers. The purchaser of olive oil would doubtless be led to purchase a brand with which he had become familiar as a purchaser of tomato paste. Thus confusion would result and not only the maker of the tomato paste, but the public as well, would be deprived of the protection which it was, obviously, the purpose of the trade-mark statute to give. And if it be found that there is doubt as to whether such confusion will exist, it is the duty of the court to resolve that doubt against the newcomer in the field. *Waltke & Co.* v. *Schafer & Co.*, 273 O. G. 630, 49 App. D. C. 254, 263 Fed. 650.

For the reasons given, the decision of the Assistant Commissioner of Patents is reversed, and the opposition of Joseph Di Santo sustained.

DISSENTING OPINION OF MR. JUSTICE ROBB.

The question in this case is whether tomato paste and olive oil are goods of the same descriptive properties, within the meaning of the Trade-Mark Act, which prohibits the registration of deceptively similar marks when "appropriated to merchandise of the same descriptive properties." In other words, this is a statutory proceeding and not an unfair competition case.

If we are to be governed by the terms of the statue, the decision below should be affirmed. See *American Tobacco Co.* v. *Gordon*, 342 O. G. 510, 10 F. (2nd) 646.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,090,714, Holtzman & Gefon, Gas lighter; 1,123,349, B. Morgan, Igniting device for gas burners, filed Dec. 10, 1926, D. C., S. D. N. Y., Doc. E 39/270, *S. L. Davis et al.* v. *F. W. Woolworth Co.* Dismissed Apr. 12, 1927.

1,123,349. (See 1,090,714.)

1,260,595, 1,328,464, 1,587,051, 1,281,711, F. B. Thompson, Film-treating apparatus; 1,299,266, same, Film-wiping apparatus; 1,569,156, same, Photographic film drier, filed Jan. 17, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–38–H, *G. K. Spoor et al.* v. *F. B. Thompson et al.*

1,281,711. (See 1,260,595.)

1,289,320, 1,353,132, Vaughan & Halstead, Well construction, Apr. 14, 1927, D. C., N. D. Calif. (San Francisco), Doc. E 1868, *S. M. Halstead et al.* v. *L. A. Anderson et al.*

1,299,266. (See 1,260,595.)

1,305,360, 1,305,361, C. J. Holslag, Alternating-current welding transformer; 1,305,363, same, Alternating-current metallic arc cutting and welding apparatus; 1,528,425, same, Metallic arc cutting and welding apparatus; Re. 16,012, same, Method of electric arc welding, cutting, and repairing, filed Apr. 18, 1927, D. C., E. D. N. Y., Doc. 1087–F, *Electric Arc Cutting & Welding Co.* v. *J. R. Vance.*

1,305,361. (See 1,305,360.)

1,305,361, C. J. Holslag, Alternating-current welding transformer; Re. 16,012, same, Method of electric arc welding, cutting, and repairing, filed Apr. 14, 1927, D. C., S. D. N. Y., Doc. E 41/147, *Electric Arc Cutting & Welding Co.* v. *C. Scott et al.* (*Scott & Chucknow*), and Doc. 148, *Electric Arc Cutting & Welding Co.* v. *M. Geller* (*Safety Grip Tire Chain Co.*).

1,305,363. (See 1,305,360.)

1,328,464. (See 1,260,595.)

1,353,132. (See 1,289,320.)

1,354,027, 1,432,674, E. V. Crowell, Gas-energy control head for oil wells, filed Feb. 1, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–54–M, *E. V. Crowell* v. *Pacific Oil Tool Co. et al.*

1,372,154. (See Re. 15,545.)

1,372,156. (See Re. 15,545.)

1,423,251, 1,583,168, B. T. Penning, Mail box in house walls, filed Mar. 15, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–85–J, *E. S. Strand et al.* v. *F. J. Theriot.*

1,432,674. (See 1,354,027.)

1,528,425. (See 1,305,360.)

1,569,156. (See 1,260,595.)

1,583,168. (See 1,423,251.)

1,587,051. (See 1,260,595.)

1,590,105, F. E. Martin, Sawmill machinery; 1,590,110, same, Hook dog for sawmill carriages, filed Apr. 14, 1927, D. C., N. D. Calif. (San Francisco), Doc. E 1867, *Martin Air Dog Co.* v. *Union Lumber Co. et al.*

1,590,110. (See 1,590,105.)

Re. 15,545, 1,372,154, 1,372,156, A. L. McGregor, Automobile bumper, filed Aug. 20, 1925, D. C., S. D. Calif. (Los Angeles), Doc. J–41–H, *The C. G. Spring & Bumper Co.* v. *Standard Safety Corp.*

Re. 16,012. (See 1,305,360 and 1,305,361.)

Des. 70,972, Des. 70,973, F. M. Poritz, Lamp base; Des. 70,976, Des. 70,978, same, Column for electric light fixtures, filed Mar. 17, 1927, D. C., E. D. N. Y., Doc. 2982, *Artistic Brass & Bronze Works, Inc.*, v. *Warner Lamps, Inc.*

Des. 72,164, Des. 72,165, Des. 72,166, Des. 72,221, S. N. Mallouk, Lace table cover; Des. 72,227, Des. 72,228, Des. 72,229, Des. 72,230, Des. 72,231, Des. 72,232, Des. 72,233, Des. 72,234; same, Lace cover, Des. 72,219; same, Lace doily, Des. 72,167, Des. 72,226, Des. 72,268; same, Lace tray cover, Des. 72,169, Des. 72,170, Des. 72,171, Des. 72,173, Des. 72,174, Des. 72,175, Des. 72,220, Des. 72,222, Des. 72,223, Des. 72,225; same, Lace mat, Des. 72,168, Des. 72,224, Des. 72,235, Des. 72,269, Des. 72,270, Des. 72,271, Des. 72,272; same, Lace scarf, filed Apr. 18, 1927, D. C., S. D. N. Y., Doc. E 41/161, *S. N. Mallouk* v. *A. J. Hamrah Co., Inc.* Consent decree sustaining patents and granting injunction Apr. 25, 1927.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,608,674, E. L. Schumacher, Ophthalmic mounting, decided May 6, 1927, claims 1, 4, and 5.

Pat. 1,476,201, P. C. Haas, Burner igniter, decided May 6, 1927, claims 1, 2, and 3.

Pat. 1,395,991, M. F. Gascon, Adding machine, decided May 2, 1927, claim 1.

Pat. 1,348,573, H. A. Martin, Registering machine, decided May 2, 1927, claims 74 and 83.

Interference Notice.

U. S. PATENT OFFICE, *Washington, May 19, 1927.*

C. Schultz, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. R. & W. J. Sutherland, 45 Hudson Ave., Albany, N. Y., for registration of a trade-mark and trade-mark registered April 4, 1916, No. 109,423, to C. Schultz, 32 Jay St., New York, N. Y., and a notice of such declaration sent by registered mail to said C. Schultz at the said address having been returned by the post office undeliverable, notice is hereby given that unless said C. Schultz, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 14, 1927.

[VOL. 359. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 192,609. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EMPIRE MILKING MACHINE COMPANY, Bloomfield, N. J. Filed Feb. 21, 1924.

EMPIRE

Particular description of goods.—Milking Machines and Parts Thereof and Milking-Machine Systems and Parts Therefor, Including Pulsators, Vacuum Pumps, Teat Cups, and Their Parts.

Claims use since March, 1914.

Ser. No. 221,455. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBERSET COMPANY, Newark, N. J., assignor to Rubber & Celluloid Products Company, a Corporation of New Jersey. Filed Oct. 8, 1925.

ALBRIGHT
RUBBERSET

The name "Albright" as shown is disclaimed apart from the other features of the mark shown in the drawing. Applicant is the owner of registrations 48,640 and 48,641 effected on the ground of exclusive use for 10 years next preceding Feb. 20, 1905.

Particular description of goods.—Paint, Shaving, Hair, Tooth, and Hand Brushes.

Claims use since June, 1922.

Ser. No. 221,456. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBERSET COMPANY, Newark, N. J., assignor to Rubber & Celluloid Products Company, a Corporation of New Jersey. Filed Oct. 8, 1925.



No claim is made to the representation of a brush apart from the mark shown in the drawing. Applicant is the owner of registrations 48,640 and 48,641 effected on the ground of exclusive use for 10 years next preceding Feb. 20, 1905.

Particular description of goods.—Paint, Shaving, Hair, Tooth, and Hand Brushes.

Claims use since April, 1919.

Ser. No. 226,600. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PERFECTION GEAR COMPANY, Chicago, Ill. Filed Jan. 29, 1926.



No exclusive claim is made to the words "The Mark of Perfection," "Certified Parts," and "Chicago" apart from the mark as shown.

Particular description of goods.—Chains for Use on Motor Front Ends, Motor Drives, and Power Transmissions of All Descriptions.

Claims use since Nov. 1, 1925.

Ser. No. 226,894. (CLASS 39. CLOTHING.) FIRESTONE-APSLEY RUBBER COMPANY, Hudson, Mass. Filed Feb. 5, 1926.

THOROGRIP

Particular description of goods.—Boots and Shoes of Rubber and Fabric.

Claims use since July 27, 1925.

Ser. No. 227,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELVEDERE TOILET PRODUCTS INC., St. Paul, Minn. Filed Feb. 25, 1926.

Miss America

Particular description of goods.—Cold Cream, Vanishing Cream, Hair Tonic, Bay Rum, and Cosmetics for the Skin.
Claims use since on or about Sept. 1, 1925.

Ser. No. 228,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIEBOLAGET PASTILL, Gefle, Sweden. Filed Mar. 8, 1926.

LAKEROL

Particular description of goods.—Confections and Sweets in the Form of Pastilles, Candies, Tablets, and Lozenges and Made of Saccharriferous Matter, with or without the Addition of Cocoa Edible Fats, and Relishing Substances, and Gum Arabic.
Claims use since Nov. 17, 1920.

Ser. No. 228,746. (CLASS 39. CLOTHING.) ENDEL & PELES STRAW HAT WORKS, INC., Beacon and New York, N. Y. Filed Mar. 17, 1926.

Strawcraft
FELT-FLEX

Applicant owns registration No. 172,117.
Particular description of goods.—Straw Hats for Men.
Claims use since Nov. 6, 1925.

Ser. No. 229,239. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE LILLEY CO., Columbus, Ohio. Filed Mar. 26, 1926.

PAKFUL

Particular description of goods.—Hand Bags and Traveling Cases.
Claims use since Nov. 1, 1925.

Ser. No. 229,650. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRUVY, INC., New York, N. Y. Filed Apr. 3, 1926.

Tulipe d'Or

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Lip Sticks, Eyebrow Pencils, Incenses, and Sachets.
Claims use since Jan. 1, 1925.

Ser. No. 229,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED GRAIN AND SUPPLY COMPANY, doing business as The Swayzee Milling Company, Swayzee, Ind. Filed Apr. 7, 1926.



Particular description of goods.—Wheat, Buckwheat, and Rye Flour.
Claims use since Nov. 30, 1925.

Ser. No. 230,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOE ENG, doing business as J. & J. Brothers, Chicago, Ill. Filed Apr. 19, 1926.

MAH JONGG

Particular description of goods.—Ginger Root Preserved in Sirup, Preserved Mixed Fruit, Chinese Sauce for Meats and Other Foods, Preserved Gum Gut, a Chinese Fruit.
Claims use since Feb. 15, 1926.

Ser. No. 230,416. (CLASS 39. CLOTHING.) ROBERTS WICKS COMPANY, Utica, N. Y. Filed Apr. 19, 1926.



In the drawing the flag at left is lined to indicate blue color.
Particular description of goods.—Men's and Youths' Overcoats, Coats, Suits, Raincoats, Waterproof Coats, and Storm Coats.
Claims use since Apr. 15, 1918.

Ser. No. 230,620. (CLASS 38. PRINTS and PUBLICATIONS.) ERNA FERGUSSON, doing business as Koshare Tours, Albuquerque, N. Mex. Filed Apr. 23, 1926.



Particular description of goods.—Road Maps, Tourist Guides, Books, and Pamphlets Containing Printed Matter Useful to Travelers and Tourists and Printed from Time to Time.
Claims use since Apr. 15, 1922.

Ser. No. 230,667. (CLASS 39. CLOTHING.) HARRY GEIST COMPANY, INC., New York, N. Y. Filed Apr. 24, 1926.

The lining on the drawing is for the purpose of shading only. No claim is made to the exclusive right to the use of the descriptive words "High Grade" apart from the mark shown in the drawing.
Particular description of goods.—Hoods of Wool, Straw, Hemp, Horsehair, Crinol, Artificial Silk, Cotton, Visca, Cellulose, and Paper for the Manufacture of Hats for Women.
Claims use since June, 1925.

Ser. No. 230,799. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTIN NIELSEN, Seattle, Wash. Filed Apr. 27, 1926.

KARMA

Particular description of goods.—Pickles.
Claims use since Feb. 1, 1926.

Ser. No. 231,310. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CREME JASMIN COMPANY, Minneapolis, Minn. Filed May 8, 1926.



The term "Creme Jasmin" is disclaimed apart from the mark as shown.
Particular description of goods.—Skin Lotions.
Claims use since Sept. 1, 1924.

Ser. No. 231,743. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. W. MAGNUS & COMPANY, New York, N. Y. Filed May 17, 1926.



The portrait forming a feature of the mark is fanciful.
Particular description of goods.—Boys' Handkerchiefs.
Claims use since Jan. 15, 1926.

Ser. No. 231,858. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GRIGGS, COOPER & COMPANY, St. Paul, Minn. Filed May 19, 1926.

HOME

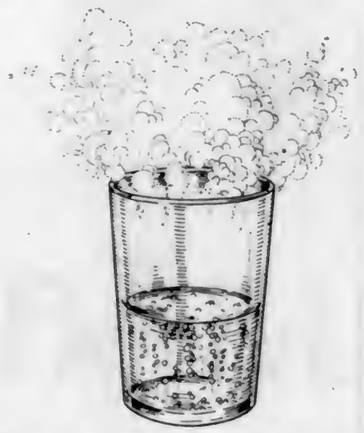
Particular description of goods.—Shoe Laces.
Claims use since 1877.

Ser. No. 233,074. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) C. J. HALEY & CO., INC., New York, N. Y. Filed June 11, 1926. Under section 5b of the act of 1905, as amended in 1920.

Lindsay

Particular description of goods.—Sanitary Aprons, Sanitary Step-Ins, Sanitary Bloomers, Sanitary Petticoats, Sanitary Belts, and Sanitary Girdles.
Claims use since April, 1925.

Ser. No. 233,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOYE J. NISCH, San Francisco, Calif. Filed June 12, 1926.



Particular description of goods.—Cold Remedies.
Claims use since Apr. 1, 1926.

Ser. No. 235,447. (CLASS 39. CLOTHING.) THE AMERICAN RETAIL STORES CO., Columbus, Ohio, and Indianapolis, Ind. Filed Aug. 2, 1926.

SUPERIOR

KENTSHIRE

Particular description of goods.—Men's Topcoats, Overcoats, and Three and Four Piece Suits.
Claims use since June 1, 1926.

Ser. No. 236,064. (CLASS 5. ADHESIVES.) GEO. D. SANDERS, Sr., Columbus, Miss. Filed Aug. 16, 1926.

SEAL-TITE TIRE FLUID SANDERS SANDERS

No claim is made to the words "Seal-Tite" and "Tire-Fluid" apart from the mark on the drawing.
Particular description of goods.—Bicycle Tire Puncture-Sealing Fluid.
Claims use since Jan. 1, 1921.

Ser. No. 237,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOODBRIDGE FRUIT COMPANY, Woodbridge, Calif. Filed Sept. 9, 1926.

RedFeather

The drawing is lined for the color red.
Particular description of goods.—Fresh Deciduous Fruits and Grapes.
Claims use since June, 1911.

Ser. No. 237,524. (CLASS 12. CONSTRUCTION MATERIALS.) WILSON & GREENE LUMBER CO., Syracuse, N. Y. Filed Sept. 21, 1926.

CHECK SEAL

Particular description of goods.—Construction Materials—Namely, Lumber and Wood; Lumber Products, Viz, Flooring, Siding, Ceiling, Girders, Joists, Studding, Moldings, Brackets, Sash, Doors, Blinds, and Shingles.
Claims use since June 1, 1926.

Ser. No. 237,821. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROCHE FRUIT & PRODUCE COMPANY, Yakima, Wash. Filed Sept. 27, 1926.

JEWEL

Particular description of goods.—Fresh Apples.
Claims use since August, 1919.

Ser. No. 237,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNLAND SALES COOPERATIVE ASSOCIATION, Fresno, Calif. Filed Sept. 28, 1926.

SUNLAND

Particular description of goods.—Dried Prunes, Figs, Raisins, Peaches, Pears, Apricots, Apples; Canned Peaches, Apricots, Plums, Grapes, Figs, Olives, Peas, Asparagus, Tomatoes, Spinach; Fresh Grapes, Peaches, Plums, Figs, Apricots, Apples; Mincemeat, Raisin Sirup for Food Purposes, Canned Fruit for Pies, Jam, Jelly, Rice, and Nuts in Their Natural State.
Claims use since July 27, 1925.

Ser. No. 237,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH PACKING AND PROVISION COMPANY, Somerville, Mass. Filed Sept. 29, 1926.

TUXEDO

Particular description of goods.—Salt Pork and Bacon.
Claims use since July, 1902.

Ser. No. 238,608. (CLASS 12. CONSTRUCTION MATERIALS.) THE S. OBERMAYER CO., Chicago, Ill. Filed Oct. 14, 1926.

CARBO-BRIK

No claim is made to the exclusive use of the word "Brik" apart from the mark shown in the drawing.
Particular description of goods.—Furnace Cement in Laying Up Fire Brick and Kindred Uses.
Claims use since Feb. 18, 1926.

Ser. No. 238,654. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. J. HABERKORN, Chatsworth, Ill. Filed Oct. 15, 1926.

L. J. Haberkorn "Wartsoff"

The name appearing is a facsimile of applicant's signature. No claim is made to the word "Wartsoff" apart from the mark as shown.
Particular description of goods.—Medicinal Composition for Removing Warts.
Claims use since Sept. 27, 1926.

Ser. No. 238,667. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) POCAHONTAS FUEL COMPANY INCORPORATED, Pocahontas, Va., and New York, N. Y. Filed Oct. 15, 1926.

ORIGINAL POCAHONTAS

Exclusive use of the word "Pocahontas" being disclaimed apart from its association with the word "Original."
Particular description of goods.—Coal.
Claims use since Apr. 1, 1910.

Ser. No. 238,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANTERS NUT & CHOCOLATE CO., Wilkes-Barre, Pa.; Suffolk, Va.; and San Francisco, Calif. Filed Oct. 18, 1926.

NICKEL DESSERT

No claim is made to the word "Nickel" apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since Aug. 2, 1926.

Ser. No. 239,475. (CLASS 39. CLOTHING.) G. HOWARD HODGE, New York, N. Y. Filed Oct. 30, 1926.

HANDKERCHIEF FELT

The word "Felt" is hereby disclaimed apart from the mark as shown.
Particular description of goods.—Ladies' Hats, Hat Frames, and Hat Linings.
Claims use since Oct. 21, 1926.

Ser. No. 239,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMMA SMITH, Gary, Ind. Filed Nov. 5, 1926.



Particular description of goods.—Hair Grower.
Claims use since Oct. 12, 1925.

Ser. No. 239,936. (CLASS 32. FURNITURE AND UPHOLSTERY.) JACOB & JOSEF KOHN & MUNDUS, INC., New York, N. Y. Filed Nov. 11, 1926.

JACOB and JOSEF
KOHN
MUNDUS

No claim is made to the names "Jacob and Josef Kohn" apart from the mark as shown.
Particular description of goods.—Furniture, Principally Bent-Wood Furniture.
Claims use since 1924.

Ser. No. 240,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA MEDICINAL WINE CO., Los Angeles, Calif. Filed Nov. 17, 1926.

California Padres

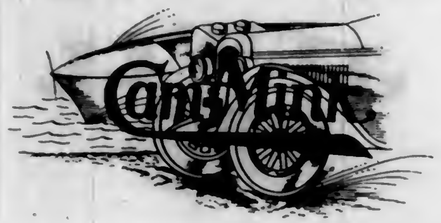
Particular description of goods.—Wine Elixir—Namely, Medicinal Wine for Use as a General Tonic.
Claims use since Sept. 1, 1926.

Ser. No. 240,221. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE SHOE FORM CO., INC., Auburn, N. Y. Filed Nov. 17, 1926.

FAIRYLITE

Particular description of goods.—A Plastic Cellulose Derivative.
Claims use since Oct. 18, 1926.

Ser. No. 240,400. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMPBELL AND MINKEL, New York, N. Y. Filed Nov. 22, 1926.



Particular description of goods.—Composition of Matter for Improving the Combustion of Fuel Oils, Especially Gasoline, in the Form of a Liquid Chemical Composition to be Mixed Therewith.
Claims use since Sept. 14, 1926.

Ser. No. 240,407. (CLASS 12. CONSTRUCTION MATERIALS.) DEUTSCHE XYLOLITH-PLATTEN-FABRIK OTTO SENING & CO., G. M. B. H., Freital-Potschappel, Germany. Filed Nov. 22, 1926.



XYLOLITH

Particular description of goods.—Flooring Materials in the Form of Blocks and Boards Made of a Specific Composition of Materials and Adapted to Lay a Floor Therewith.
Claims use since Nov. 11, 1924.

Ser. No. 240,439. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEQUANOC CHEMICAL CO., Butler, N. J. Filed Nov. 22, 1926.

NOC-FIRE

Particular description of goods.—Chemical Mixture in Powder Form to be Thrown on Fires for Extinguishing the Same.
Claims use since Sept. 20, 1926.

Ser. No. 241,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOROTHY PRIMROSE, Portland, Oreg. Filed Dec. 8, 1926.

Dorothy Primrose Recipe

Exclusive use of the word "Recipe" is hereby disclaimed except as used in conjunction with the mark.
Particular description of goods.—Candies.
Claims use since Oct. 25, 1926.

Ser. No. 241,550. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TEXTILE SPECIALTIES CO., Norristown, Pa. Filed Dec. 15, 1926.

TESCO

Particular description of goods.—Spring-Steel Wire and Spring Wire.
Claims use since Sept. 22, 1926.

Ser. No. 241,596. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ARTHUR SMITH, Chicago, Ill., assignor to Convex Sign Company, a Partnership composed of Herland K. Delahanty and Stewart Brown, Chicago, Ill. Filed Dec. 16, 1926.

KICHENAID

Particular description of goods.—Combination Tool Which Consists of a Kitchen Tool or Implement Adapted for Use in Removing Milk Caps, Sharpening Knives, Opening Bottles, Removing Friction Covers of Cans and Jars, and for Use as a Screw Driver.
Claims use since Nov. 1, 1925.

Ser. No. 241,632. (CLASS 37. PAPER AND STATIONERY.) NASHUA GUMMED & COATED PAPER COMPANY, Nashua, N. H. Filed Dec. 17, 1926.

NIRVANA

Particular description of goods.—Ornamental Paper Used for Box Coverings, Envelope Linings, Cover Linings for Gift Books, Etc.
Claims use since July 17, 1926.

Ser. No. 241,781. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MINNEAPOLIS HEAT REGULATOR CO., Minneapolis, Minn. Filed Dec. 21, 1926.

PYROSTAT

Particular description of goods.—Temperature-Operated Electric Stack Switches for the Automatic Safety Control of Oil Heating Plants.
Claims use since Nov. 15, 1926.

Ser. No. 241,867. (CLASS 6. (CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCH-PHARMAZEUTISCHE A. G. BAD HOMBURG, Bad Homburg, Germany. Filed Dec. 23, 1926.

Kamillosan

Particular description of goods.—Preparations Made from Fresh Camomile Prepared in the Form of Ointment, Liquid, Powder, Tablets for the Treatment of Wounds; Liquids Which are Introduced by Irrigators, Rinsing Means, and as Disinfectants.
Claims use since Oct. 31, 1919.

Ser. No. 241,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCH-PHARMAZEUTISCHE A. G. BAD HOMBURG, Bad Homburg, Germany. Filed Dec. 23, 1926.

Treupel'sche-Tabletten

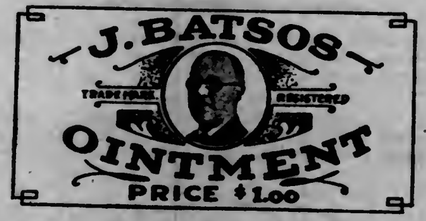
Applicant disclaims the descriptive word "Tabletten" apart from the mark as shown in the drawing.
Particular description of goods.—Medicinal Preparation in the Form of Tablets to be taken for Deadening Pain and in Feverish Illness of All Kinds.
Claims use since Jan. 11, 1910.

Ser. No. 241,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed Dec. 23, 1926.



Particular description of goods.—Canned Fruit, Jams, Jellies, Fruit Preserves, Marmalade, Canned Fish, Canned Vegetables, Canned Tomato Purée, Chili Sauce, Vinegar, Pickles, Mayonnaise, Olives, Olive Oil, Catchup, Dried Fruit, Raisins, Dried Prunes, Peanut Butter, Honey, Food-Flavoring Extracts, Canned Figs, Canned Sauerkraut, Canned Soup, and Pickled Onions.
Claims use since July 6, 1922.

Ser. No. 242,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. BATSOS, Woodlawn, Pa. Filed Dec. 30, 1926.



Applicant herewith disclaims registration of all wording on the drawing excepting "J. Batsos." Applicant herewith certifies that the portrait appearing on the drawing is his own and genuine.
Particular description of goods.—Ointment for Use in the Treatment of Weakness, Pains, Roughness, Pains in Joints of the Bones, and Paralysis, also for Use as a General External Balm for the Human Body.
Claims use since Sept. 1, 1923.

Ser. No. 242,193. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAYS MANUFACTURING COMPANY, Erie, Pa. Filed Dec. 30, 1926.

Daisy

Particular description of goods.—Gas and Water Pipe and Gas and Water Main Drilling and Tapping Machines and Parts Thereof.
Claims use since Sept. 23, 1910.

Ser. No. 242,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTH END MEAT PRODUCTS CO., Cleveland, Ohio. Filed Jan. 6, 1927.

"Relish Brand"

Applicant disclaims the word "Brand."
Particular description of goods.—Ham, Bacon, and Sausage.
Claims use since Mar. 29, 1924.

Ser. No. 242,468. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) BEST & CO., INC., New York, N. Y. Filed Jan. 7, 1927.



Particular description of goods.—Porcelain and China Bedroom Chambers, Cereal Sets, and Chinaware.
Claims use since 1879.

Ser. No. 242,470. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BEST & CO., INC., New York, N. Y. Filed Jan. 7, 1927.



Particular description of goods.—Chariots, Gocarts, Strollers, Perambulators, and Prams.
Claims use since 1879.

Ser. No. 242,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TERRI, INC., New York, N. Y. Filed Jan. 7, 1927.

Terri

Particular description of goods.—Vanity Cases Containing Rouge, Lip Stick, Powder; Face, Talcum, and Bath Powder; Powder Compacts, Rouge, Lip Sticks, Perfume, Toilet Water, Face Lotion, and Cold Cream, Lip Paste, Rouge Powder, Rouge Paste, Hand Lotion, Vanishing Cream, Eyebrow Pencil, Eye Makeup, Hair Lotion, and Tooth Paste.
Claims use since May 10, 1923, on filled vanity cases. On face, talcum, and bath powder and powder compacts, rouge, and lip stick since Nov. 4, 1924; on perfume, toilet water, face lotion, and cold cream since Oct. 21, 1926; and on lip paste, rouge powder, rouge paste, hand lotion, vanishing cream, eyebrow pencil, eye makeup, hair lotion, and tooth paste since Nov. 4, 1924.

Ser. No. 242,564. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BATTLE CREEK FOOD CO., Battle Creek, Mich. Filed Jan. 10, 1927.


Sanitarium

Particular description of goods.—Graham Crackers, Fruit Crackers, Oatmeal Wafers; Cream Sticks—Namely, a Whole-Wheat Preparation Made Up with Sweet Cream to be Baked and Toasted in an Oven Before Serving; Breakfast Toast, Whole-Wheat Wafers, Zwieback; Prune Marmalade, Black-Fig Marmalade; Meltose—Namely, a Specially-Prepared Food Material Composed of Salts, Maltose, Dextrine, and Other Carbohydrates; Peanut Butter; Nuttose—Namely, a Specially-Prepared Food Product on the Nature of Vegetable Meats; Malted Nuts; Nuttolene—Namely, a Specially-Prepared Food Product in the Nature of Vegetable Meats; White-Fig Marmalade, Breakfast Bran, Bran Biscuit, Gluten Flour, Gluten Meal, Rice Biscuit, Breakfast Cereals, Nut Cereal Food, Fig Cereal Food.
Claims use since 1876.

Ser. No. 242,568. (CLASS 12. CONSTRUCTION MATERIALS.) P. L. CHERRY CO., INC., Portland, Oreg. Filed Jan. 10, 1927.

WESTSTEEL

Particular description of goods.—Fuel Chutes, Joist Pockets, Shingles, Built-in Ventilators, Smoke Hoods, Metal Building Trim, Corner Bead, Skylights; Portable Buildings—Namely, Houses, Temporary Houses, Warehouses, and Garages; Sash and Joist Hangers.
Claims use since Oct. 15, 1926.

Ser. No. 242,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill. Filed Jan. 10, 1927.


Southern Star

Particular description of goods.—Fresh Fruits—Namely, Grapefruit, Limes, Oranges, Strawberries, Watermelons; Melons—Namely, Cantaloupes, Cassaba, Honey Dew, Musk, and Persian; Fresh Vegetables—Namely, Artichokes, Asparagus, Avocados, Beans, Beets, Broccoli, Brussels Sprouts, Cabbage, Carrots, Celery, Chayote, Cauliflower, Chicory, Cucumbers, Eggplant, Endive, Garlic, Kale, Kohl-Rabi, Lettuce, Onions, Okra, Parsnips, Peas, Parsley, Peppers, Plantains, Pumpkins, Radishes, Rhubarb, Rutabaga, Spinach, Squash, Tomatoes, Turnips, Potatoes.
Claims use since Sept. 2, 1926.

Ser. No. 242,864. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SUPERCRAFT PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 14, 1927.

Supercraft

Particular description of goods.—Vacuum Tubes.
Claims use since Jan. 6, 1927.

Ser. No. 243,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIE ALICE KAUFMANN HITZFELD, VIUDA DE DIEGO GOMEZ, Seville, Spain. Filed Jan. 21, 1927.



Particular description of goods.—Olives.
Claims use since Oct. 5, 1915.

Ser. No. 243,362. (CLASS 39. CLOTHING.) HIGHLAND MILLS, INC., Little Falls, N. Y. Filed Jan. 26, 1927.

HIGHLAND MILLS

No rights are asserted to the exclusive use of the word "Mills" apart from the mark shown in the drawing.
Particular description of goods.—Hosiery, Knitted Underwear for Men, and Sweaters, Wind-Breakers, Sport Coats, and Fleece-Lined Coats of Knitted Fabric for Men, Women, and Children.
Claims use since Oct. 1, 1926.

Ser. No. 243,436. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Filed Jan. 27, 1927.

JELLY-CLENZ

Particular description of goods.—Dry Cleaner.
Claims use since Dec. 22, 1926.

Ser. No. 243,437. (CLASS 39. CLOTHING.) J. I. GUMPORT AND SONS, INC., New York, N. Y. Filed Jan. 27, 1927.



Beaucaire Neckwear

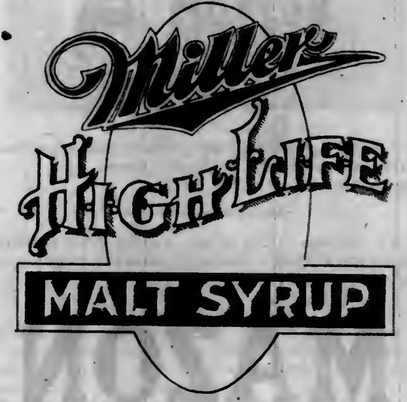
No claim is made to the word "Neckwear" apart from the mark shown on the drawing.
Particular description of goods.—Cravats, Four-in-Hand Ties, Bow Ties, Mufflers, and Reefers.
Claims use since May, 1924.

Ser. No. 243,533. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOS. EVANS, doing business as The Seajoy Coy, London, England. Filed Jan. 29, 1927.

Seajoy

Particular description of goods.—An Antiseasickness Plaster.
Claims use since Aug. 12, 1920.

Ser. No. 243,769. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MILLER PRODUCTS COMPANY, Milwaukee, Wis. Filed Feb. 3, 1927.



"Malt Syrup" is disclaimed apart from the mark shown.
Particular description of goods.—Concentrated Malt Sirup As a Food Product.
Claims use since Aug. 1, 1921.

Ser. No. 243,903. (CLASS 39. CLOTHING.) WHEATLEY & SCHWABE, New York, N. Y. Filed Feb. 5, 1927.

CHUBBY GARMENTS

The word "Garments" being disclaimed apart from the mark shown.

Particular description of goods.—Children's Play Suits and Children's Textile-Fabric Underwear.

Claims use since Sept. 10, 1924.

Ser. No. 243,905. (CLASS 39. CLOTHING.) WHEATLEY & SCHWABE, New York, N. Y. Filed Feb. 5, 1927.

FULLER FIT WANDS UNDERWEAR

The words "Fuller Fit" and "Underwear" are disclaimed apart from the mark shown.

Particular description of goods.—Underwear of Textile Fabric for Men.

Claims use since June 26, 1925.

Ser. No. 243,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL F. BEICH CO., Chicago, Ill. Filed Feb. 7, 1927.



The lining on the drawing indicates the color orange.

Particular description of goods.—Candy.

Claims use since Jan. 25, 1927.

Ser. No. 244,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL GROCERY COMPANY, Jersey City, N. J. Filed Feb. 9, 1927.

MAZON

Particular description of goods.—Coffee.

Claims use since Dec. 31, 1926.

Ser. No. 244,162. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT, INC., New York, N. Y. Filed Feb. 10, 1927.

MOTHERS REMEMBRANCE

Particular description of goods.—Candy.

Claims use since Mar. 1, 1925.

Ser. No. 244,220. (CLASS 39. CLOTHING.) CHARLES A. EATON COMPANY, Brockton, Mass. Filed Feb. 11, 1927.

The AIR-TRED Shoe

The word "Shoe" is disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Shoes of Leather, Rubber, or Fabric or Combinations of Such Material.

Claims use since Feb. 1, 1927.

Ser. No. 244,335. (CLASS 38. PRINTS AND PUBLICATIONS.) MCKENZIE J. SULLIVAN, doing business as The Army and Navy Courier, San Antonio, Tex. Filed Feb. 12, 1927.

THE ARMY and NAVY COURIER

"The Army and Navy Courier."

Particular description of goods.—Monthly Magazine.

Claims use since on or about April, 1925.

Ser. No. 244,411. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE OTTAWA SILICA CO., Ottawa, Ill. Filed Feb. 15, 1927.



No claim is made to the exclusive use of the words "Sands," "99.89 Pure," and "SiO_2" apart from the mark shown in the drawing.

Particular description of goods.—Sand.

Claims use since Feb. 2, 1927.

Ser. No. 244,422. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE BIBERGER, San Francisco, Calif. Filed Feb. 16, 1927.

MAGNETIC The Supreme HEALTH COIL

No claim is made to the words "Magnetic Health Coil" apart from the mark as shown.

Particular description of goods.—Magnetic Coil for Therapeutic Purposes.

Claims use since Jan. 14, 1927.

Ser. No. 244,493. (CLASS 15. OILS AND GREASES.) CITIES SERVICE OIL COMPANY, Cleveland, Ohio. Filed Feb. 17, 1927.

CITIES SERVICE OILS

ONCE - ALWAYS

CITEX

The word "Oils" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Kerosene, Gasoline, Lubricating Oils, and Greases.

Claims use since Feb. 1, 1927.

Ser. No. 244,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAPLESIDE POULTRY FARMS, Lincoln, Ill. Filed Feb. 17, 1927.

MAPLESIDE POULTRY FARMS

"Mapleside Poultry Farms."

Particular description of goods.—Live Poultry, Eggs, and Chicks.

Claims use since 1912.

Ser. No. 244,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOUR MILLS OF AMERICA, INC., Kansas City, Mo. Filed Feb. 14, 1927.

FMA Approved PRODUCTS FLOUR MILLS OF AMERICA

No claim is made to the words "Approved Products" apart from the mark shown in the drawing.

Particular description of goods.—Wheat Flour, Whole-Wheat Flour, Self-Rising Flour, Pancake Flour, Rye Flour, Buckwheat Flour, Graham Flour, Cereal Breakfast Foods, Pure Wheat Bran, Dairy Feeds, Scratch Feeds, Corn Meal, Corn Feeds, and Cake Flour.

Claims use since Jan. 27, 1927.

Ser. No. 244,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE D. BLACKBURN, doing business as Mother Vance Co., Dixon, Ill. Filed Feb. 21, 1927.

MOTHER VANCE'S CHICKEN REMEDY



MFD BY MOTHER VANCE CO DIXON ILL. U.S.A

PATENT APPLIED FOR

Applicant hereby expressly disclaims and does not request registration of any and all printed matter appearing upon said trade-mark except the words "Mother Vance's" and "Mother Vance Co."

Particular description of goods.—Poultry Medicine for the Treatment of Cholera, Worms, and White Diarrhea.

Claims use since Oct. 15, 1926.

Ser. No. 244,692. (CLASS 39. CLOTHING.) THE HARPER & KIRSCHTEN SHOE CO., Chicago, Ill. Filed Feb. 21, 1927.

Mary Adams
ARCH STRENGTH
Health Shoe

Applicant owns registration No. 176,100. Applicant disclaims the right to the exclusive use of the phrases, "Arch Strength" and "Health Shoe" except in the particular arrangement in the association in which they appear with the remainder of the mark shown on the drawing.

Particular description of goods.—Leather Shoes for Men and Women.

Claims use since Nov. 1, 1926.

Ser. No. 244,802. (CLASS 39. CLOTHING.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 23, 1927.

Gaytees

Particular description of goods.—Boots and Shoes Composed of Rubber, Fabric, or Rubber and Fabric.

Claims use since Feb. 11, 1927.

Ser. No. 244,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH C. BROADY, doing business as Vita-Ray Company, San Diego, Calif. Filed Feb. 26, 1927.

VITA-RAY

Particular description of goods.—Cereal Health Food.

Claims use since Jan. 1, 1926.

Ser. No. 244,926. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) J. A. GILKA A. G., Berlin, Germany. Filed Feb. 26, 1927. Under section 5b of the act of 1905 as amended in 1920.



Applicant is owner of registration 60,231 effected on the grounds of exclusive use for 10 years next preceding 1905.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold As a Soft Drink.

Claims use since April, 1925.

Ser. No. 244,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LORD & TAYLOR, New York, N. Y. Filed Feb. 26, 1927.



Particular description of goods.—Extracts of Perfumes, Sachet, Talcum Powder, Dusting Powder, Face Powder, Facial Cream, Bath Salts, and Toilet Waters.

Claims use since on or about Feb. 21, 1927.

Ser. No. 244,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATAL TANNING EXTRACT COMPANY LIMITED, London, England. Filed Feb. 26, 1927.

ELEPHANT BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Strips of Tree Bark, Small Pieces Thereof, Ground Bark in Powder Form, and Bark Extract for Tanning Purposes.

Claims use since January, 1926.

Ser. No. 244,967. (CLASS 39. CLOTHING.) H. WOLBARSHT & COMPANY, Baltimore, Md. Filed Feb. 26, 1927.



The words "Admiral Blue" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Men's Suits and Overcoats.

Claims use since July 1, 1926.

Ser. No. 244,997. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DELCO-REMY CORPORATION, Dayton, Ohio. Filed Feb. 28, 1927.

HORNETTE

Particular description of goods.—Electrically-Operated Sound Signals for Automobiles and Other Self-Propelled Vehicles.

Claims use since Nov. 11, 1926.

Ser. No. 245,007. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE LEO GERSTENZANG CO. INC., New York, N. Y. Filed Feb. 28, 1927.



"The Swab of a Hundred Uses."

Right to the exclusive use of the words "Trade Mark Registered" and the phrase "The Swab of a Hundred Uses" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Swabs Consisting of Sanitary Absorbent Cotton Attached to the End of a Small Piece of Wood.

Claims use since Jan. 1, 1926.

Ser. No. 245,046. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) BERCHET & RICHTER COMPANY, Minneapolis, Minn. Filed Mar. 1, 1927.



The color or shading of cross shown in the drawing denotes gold.

Particular description of goods.—Nonalcoholic, Maltless Concentrates, Sirups, and Flavors Used in the Preparation of Soft Drinks.

Claims use since Aug. 27, 1926.

Ser. No. 245,096. (CLASS 39. CLOTHING.) JAUNTY GARMENT CO. INC., New York, N. Y. Filed Mar. 2, 1927.

Lady Jaunty

Particular description of goods.—Suits, Coats, and Dresses for Ladies and Misses.

Claims use since January, 1919.

Ser. No. 245,122. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) VILLEROY & BOCH, a Limited Stock Company, Mettlach, Germany. Filed Mar. 2, 1927.



Particular description of goods.—Chinaware, Stoneware, Earthenware, Terra-Cotta Ware, and Porcelain Ware.

Claims use since Mar. 15, 1876.

Ser. No. 245,123. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY VOGT MACHINE COMPANY, Louisville, Ky. Filed Mar. 2, 1927.

Vogt
MULTICONOMIZER

No claim is made to the surname "Vogt" apart from the mark as shown.

Particular description of goods.—A Device for Extracting Superheat from Gases and Vapors, Utilizing Same for Heating Water and Separating Oil at the Same Time from Such Heated Vapors and Gases.

Claims use since Sept. 10, 1926.

Ser. No. 245,164. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SHEET ALUMINUM CORPORATION, Jackson, Mich. Filed Mar. 3, 1927.

HYBLUM

Particular description of goods.—Pure and Alloyed Aluminum Sheets, Bars, Blocks, Rails, and Rolled, Cast, or Pressed Shapes.

Claims use since Oct. 1, 1926.

Ser. No. 245,300. (CLASS 39. CLOTHING.) SCHOEN & TURKEL, INCORPORATED, New York, N. Y. Filed Mar. 5, 1927.

STYLE PARK
CLOTHES
HAND TAILORED-NEW YORK

No claim is made for the words "Clothes, Hand Tailored, New York" apart from the mark shown.

Particular description of goods.—Men's Clothing—Namely, Suits, Topcoats, and Overcoats.

Claims use since July 15, 1926.

Ser. No. 245,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. WESTERGAARD & COMPANY, Brooklyn, N. Y. Filed Mar. 5, 1927.

TYÖKANSA

Particular description of goods.—Bread.

Claims use since about May, 1923.

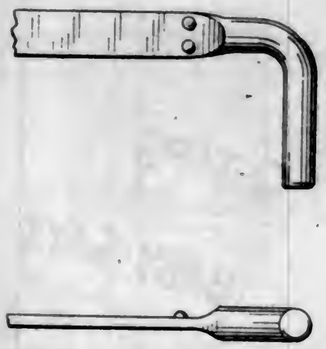
Ser. No. 245,376. (CLASS 37. PAPER AND STATIONERY.) SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 7, 1927. Under 10-year proviso.

WARD'S

Particular description of goods.—Writing Papers and Envelopes, Typewriter Paper, Tablets, Students' Paper, Score Pads, Writing Cases, Address Books, Bookkeeping Record Books, Expense Books, Draft Books, Notebooks, Receipt Books, Memorandum Books, Engagement Books, Memory Books, Photograph Books, Diaries, and Travel Diaries.

Claims use since 1868.

Ser. No. 245,459. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TORRINGTON COMPANY, Torrington, Conn. Filed Mar. 9, 1927.



No claim is made to the portion of the goods shown in the drawing except as illustrating the general shape and location of the mark. The trade-mark consists of two spherical projecting bosses on the shank of the needle adjacent the shoulder at the butt end.

Particular description of goods.—Knitting - Machine Needles.

Claims use since on or about Jan. 1, 1927.

Ser. No. 245,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALONZO O. BLISS MEDICAL COMPANY, Washington, D. C. Filed Mar. 10, 1927. Under 10-year proviso.

BLISS
NATIVE
HERBS

Particular description of goods.—Internal Herb Remedies for Diseases of the Blood, Kidneys, and Liver.

Claims use since Oct. 1, 1887.

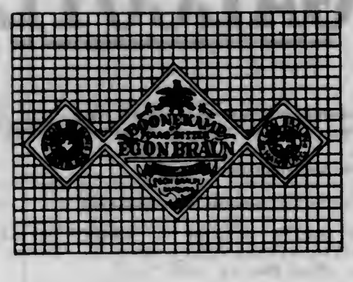
Ser. No. 245,489. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Mar. 10, 1927.

THAMES

Particular description of goods.—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.

Claims use since July 22, 1924.

Ser. No. 245,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Mar. 11, 1927.



All wording except the facsimile of the signature of Egon Braun is disclaimed apart from the mark as shown on the drawing. The signature is that of the general director of the applicant.

Particular description of goods.—Medicated Wines Especially Rich in Iron and/or Tannin for Restorative and Tonic Purposes, and Medicated Wines Containing Herbal Decoctions; Herb Extracts for Medicinal Beverages—Namely, Beverages Specifically for Nourishing the Stomach and Enriching the Blood, Aromatic Vegetable Constituents for Use in Preparing Medicinal Beverages, Purgative Beverages, and Those Having an Opposite Effect.

Claims use since 1924.

Ser. No. 245,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Mar. 11, 1927.



All wording except the facsimile of the signature of Egon Braun is disclaimed apart from the mark as shown on the drawing. The signature is that of the general director of the applicant.

Particular description of goods.—Medicated Wines Especially Rich in Iron and/or Tannin for Restorative and Tonic Purposes, and Medicated Wines Containing Herbal Decoctions; Herb Extracts for Medicinal Beverages—Namely, Beverages Specifically for Nourishing the Stomach and Enriching the Blood, Aromatic Vegetable Constituents for Use in Preparing Medicinal Beverages, Purgative Beverages, and Those Having an Opposite Effect.

Claims use since 1917.

Ser. No. 245,542. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GABRIEL & JOS. SEDLMAYR SPATEN-FRANZISKANER-LEISTBRÄU A.-G. MÜNCHEN, Munich, Germany. Filed Mar. 11, 1927.



Particular description of goods.—Malt Beverages and Malt Extracts and Malt Sirups for Beverage Purposes.

Claims use since January, 1924.

Ser. No. 245,543. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GABRIEL & JOS. SEDLMAYR SPATEN-FRANZISKANER-LEISTBRÄU A.-G. MÜNCHEN, Munich, Germany. Filed Mar. 11, 1927. Under 10-year proviso.

Leistbräu

Particular description of goods.—Malt Beverages and Malt Extracts and Malt Sirups for Making Beverages.

Claims use since July 1, 1842.

Ser. No. 245,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GODCHAUX SUGARS INC., Reserve, La. Filed Mar. 11, 1927.

Godchaux's

The mark is a facsimile of the handwriting of the late Paul L. Godchaux, former treasurer of the applicant company.

Particular description of goods.—Cane-Sugar Sirups.
Claims use since Feb. 15, 1927.

Ser. No. 245,622. (CLASS 39. CLOTHING.) DOLPH-MURRAY, INC., New York, N. Y. Filed Mar. 12, 1927.



"HELLO THERE"!

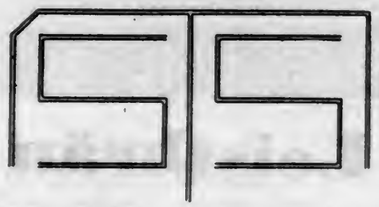
Particular description of goods.—Men's Suits for Outer Wear, Men's Pants for Outer Wear, Men's Overcoats for Outer Wear, Men's Neckties, Scarfs; Men's Dress, Negligee, Work, and Under Shirts; Men's Underwear Made of Knitted, Netted, and Textile Materials; and Men's Waistcoats and Pyjamas.
Claims use since on or about November, 1924.

Ser. No. 245,643. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) INTERNATIONAL PLAYER-ROLL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 12, 1927.

ARTEMPO

Particular description of goods.—Music Rolls and Combination Music and Word Rolls for Use on Player Pianos.
Claims use since Jan. 29, 1927.

Ser. No. 245,665. (CLASS 38. PRINTS AND PUBLICATIONS.) STATISTICAL TABULATING SERVICE, New York, N. Y. Filed Mar. 12, 1927.



Particular description of goods.—Completely-Printed Tabulated Cards for Compiling Statistics.
Claims use since Feb. 3, 1927.

Ser. No. 245,686. (CLASS 37. PAPER AND STATIONERY.) ARKWRIGHT FINISHING COMPANY, Providence, R. I. Filed Mar. 14, 1927.



Prudence

The lining of the drawing is merely for the purpose of shading.

Particular description of goods.—Tracing Cloth and Pencil Cloth.
Claims use since Feb. 18, 1927.

Ser. No. 245,744. (CLASS 2. RECEPTACLES.) NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis. Filed Mar. 14, 1927.

GALCOTE

Particular description of goods.—Ash Cans, Garbage Cans, Oil Cans, and Water Pails All Made of Galvanized Sheets.
Claims use since Oct. 2, 1926.

Ser. No. 245,770. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRED H. WHITE, Toledo, Ohio. Filed Mar. 14, 1927.

CHEX—OIL

The word "Oil" is disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Indicators for Automobiles to Show the Mileage at Which the Crank-Case Oil Should Be Changed.
Claims use since Feb. 17, 1927.

Ser. No. 245,773. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. WRIGLEY JR. COMPANY, Chicago, Ill. Filed Mar. 14, 1927.

DULCE 16

No claim is made to the word "Dulce" and the pictorial representation of the goods except in association with the other features of the mark.

Particular description of goods.—Chewing Gum.
Claims use since about Feb. 9, 1927.

Ser. No. 245,866. (CLASS 39. CLOTHING.) SHERR BROS., New York, N. Y. Filed Mar. 16, 1927.



No claim is made to the exclusive use of the words "New York" and "Dresses" apart from the mark as shown on the drawing.

Particular description of goods.—Dresses.
Claims use since Dec. 20, 1926.

Ser. No. 245,912. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATORIES JAQ INCORPORATED, New York, N. Y. Filed Mar. 17, 1927.

TIQUES

Particular description of goods.—Medicinal Tablets for Use in Relieving Headache, Neuralgia, Toothache, and Preventing and Relieving Colds.
Claims use since Mar. 2, 1927.

Ser. No. 245,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WHITE, Jr., doing business as New Brunswick Laboratories, New Brunswick, N. J. Filed Mar. 17, 1927.

Physiologically-Double-Tested (TRADE MARK)

No claim is made to the words "Physiologically-Double-Tested" and "Trade-Mark" apart from the mark as shown.

Particular description of goods.—Cod-Liver Oil for Poultry and Stock.
Claims use since Aug. 1, 1926.

Ser. No. 245,957. (CLASS 39. CLOTHING.) CHARLES SALOMON & CO. INC., New York, N. Y. Filed Mar. 18, 1927.

midgie

Particular description of goods.—Women's and Misses' Dresses.
Claims use since about Feb. 16, 1927.

Ser. No. 245,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY LAVIN, Canton, Ohio, assignor to The Griffith Laboratories, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 18, 1927.

HANSA

Particular description of goods.—Pickling Salt, a Preparation Used in the Curing of Meats.
Claims use since Feb. 13, 1925.

Ser. No. 245,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY LAVIN, Canton, Ohio, assignor to The Griffith Laboratories, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 18, 1927.

PRAGUE-HANSA

Particular description of goods.—Pickling Salt, a Preparation Used in the Curing of Meats.
Claims use since Feb. 13, 1925.

Ser. No. 246,005. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD INSULATION COMPANY, Rutherford, N. J. Filed Mar. 18, 1927.

VARN-O-LAC

Applicant disclaims exclusive right to the word "Lac" apart from the mark as shown in the drawing.
Particular description of goods.—Varnish, Lacquers, and Automobile Enamel.
Claims use since Mar. 1, 1927.

Ser. No. 246,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif. Filed Mar. 19, 1927.

Pilgrim

The vertical lining of the drawing is intended to denote the color red.
Particular description of goods.—Fresh Deciduous Fruits—Namely, Apples, Peaches, and Plums; and Fresh Pomegranates, Fresh Grapes, and Fresh Figs, Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Sept. 1, 1926.

Ser. No. 246,087. (CLASS 37. PAPER AND STATIONERY.) THE DUDLEY PAPER CO., Lansing, Mich. Filed Mar. 21, 1927.

CAPITOL SERIES



Registration of the word "Series" is not claimed except in association with the other features of the mark.
Particular description of goods.—School Blank Books, Consisting of Writing Tablets, Penmanship Tablets, Examination Tablets, Spelling-Book Blanks, Drawing Tablets, Notebooks, and Composition Books.
Claims use since Aug. 14, 1926.

Ser. No. 246,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROCH. PELLETIER, Eagle Lake, Me. Filed Mar. 21, 1927.

Roch Pelletier

The drawing represents a facsimile representation of the applicant's own signature.
Particular description of goods.—A Lung Compound for the Treatment of Consumption, Coughs, Colds, Croup, and All Kinds of Lung Trouble.
Claims use since Jan. 1, 1927.

Ser. No. 246,146. (CLASS 12. CONSTRUCTION MATERIALS.) ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo. Filed Mar. 22, 1927.

OILMAX

Particular description of goods.—Hydraulic Cement.
Claims use since Mar. 10, 1927.

Ser. No. 246,150. (CLASS 39. CLOTHING.) THE BURKHARDT BROS. CO., Cincinnati, Ohio. Filed Mar. 22, 1927.

Ace

Particular description of goods.—Men's Straw Hats.
Claims use since Mar. 1, 1927.

Ser. No. 246,156. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAMUEL FROST, New York, N. Y. Filed Mar. 22, 1927.

Heetrite

Particular description of goods.—Electric Hand Irons Used for Ironing Purposes.
Claims use since Jan. 1, 1927.

Ser. No. 246,164. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed Mar. 22, 1927.

Kibbe's
PEACHES AND CREAM

Applicant is the owner of registration No. 198,188 effected under the 10-year proviso.
Particular description of goods.—Candies in the Form of Caramels.
Claims use since Mar. 18, 1927.

Ser. No. 246,169. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. H. LOOMIS TALC CORPORATION, Gouverneur, N. Y. Filed Mar. 22, 1927.

LOOMFIBRE

Particular description of goods.—Gritless Short-Fiber Paper Filler Especially Prepared for the Paper Industry and to be Used with Other Raw Materials in the Manufacture of Paper.
Claims use since Sept. 1, 1926.

Ser. No. 246,229. (CLASS 39. CLOTHING.) ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 23, 1927.

Tweedmoor

Particular description of goods.—Suits in Two and Three Piece Garments and Separate Items—Viz, Trousers, Vests, Coats, and Knickerbockers; Overcoats and Men's and Boys' Hats and Caps.
Claims use since Mar. 5, 1927.

Ser. No. 246,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDERRIEDEN CANNING CO., Chicago, Ill. Filed Mar. 24, 1927.

WAUKESHA



The word "Waukesha" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned Vegetables.
Claims use since Feb. 1, 1904.

Ser. No. 246,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARABEE FLOUR MILLS COMPANY, Kansas City, Mo. Filed Mar. 24, 1927.

GOLDEN VALLEY

Particular description of goods.—Wheat Flour.
Claims use since February, 1927.

Ser. No. 246,308. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NOV-E-LINE MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 24, 1927.

Marvel

The lines in the paraph under the word "Marvel" are indicative of and represent shading only
Particular description of goods.—Watchcases.
Claims use since Oct. 31, 1925.

Ser. No. 246,321. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AIRD-DON COMPANY, Troy, N. Y. Filed Mar. 25, 1927.

TROJAN

Particular description of goods.—Basin Cocks, Bath Cocks, Bibs, Soldering Nipples, Lavatories, Bathtubs, and Toilets.
Claims use since Jan. 1, 1892.

Ser. No. 246,410. (CLASS 15. OILS AND GREASES.) AUTHOR M. HUGHEY, doing business as The Super-Products Co., Decatur, Ill. Filed Mar. 26, 1927.

GOLDEN-GLO

Particular description of goods.—Gasoline Modified by the Addition of Chemicals.
Claims use since May 29, 1926.

Ser. No. 246,462. (CLASS 39. CLOTHING.) CASA ANCHORENA, INC., New York, N. Y. Filed Mar. 28, 1927.



Applicant specifically disclaims the right to the exclusive use of a shoe heel and also to the descriptive phrases "Comodo y Bueno" and "Made in U. S. A."

Particular description of goods.—Rubber Heels.

Claims use since or prior to Jan. 1, 1926.

Ser. No. 246,465. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CLEVELAND BUCKRAM & BAG CO., Cleveland, Ohio. Filed Mar. 28, 1927.

MILS

Particular description of goods.—Mats Used for Covering Hot Beds, Cold Frames, and the Like and as a Protection Against Temperature and Moisture Changes.

Claims use since April, 1925.

Ser. No. 246,485. (CLASS 2. RECEPTACLES.) KING BROS. BOILER WORKS, also doing business as King Bros., Portland, Oreg. Filed Mar. 28, 1927.

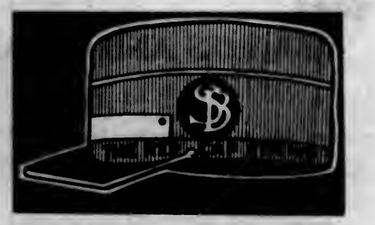


The words "Interment Vault" and "700 East 17th St. Portland, Ore." are disclaimed except as used in conjunction with the mark as shown.

Particular description of goods.—Coated Steel Interment Vaults.

Claims use since Mar. 1, 1927.

Ser. No. 246,530. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) W. F. CRAWFORD COMPANY, Waco, Tex. Filed Mar. 29, 1927.



The drawing is lined to indicate the color red.

Particular description of goods.—Trunks, Valises, Pocketbooks, and Bags.

Claims use since Feb. 1, 1922.

Ser. No. 246,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. & W. PICKLE AND CANNING CO., Montgomery, Ala. Filed Mar. 29, 1927.

Alabam Girl

Particular description of goods.—Pickles, Chowchow, and Relish, Composed of Chopped Pickles, Sugar, Spices, and Spice Oil.

Claims use since May 5, 1924.

Ser. No. 246,585. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE AMALGAMATED DENTAL COMPANY LIMITED, London, England. Filed Mar. 30, 1927.

GENCIVEX

Particular description of goods.—Artificial Teeth, Dental Cement, Dental Waxes, and Dental Instruments and Apparatus Used Exclusively for Dental Purposes.

Claims use since Nov. 5, 1926.

Ser. No. 246,632. (CLASS 15. OILS AND GREASES.) G. WHITFIELD RICHARDS, Philadelphia, Pa. Filed Mar. 30, 1927.

LUBE-WELL

Particular description of goods.—Cutting Lubricants of an Oily Character.

Claims use since 1908.

Ser. No. 246,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SEARS & DEER COMPANY, Chillicothe, Ohio. Filed Mar. 30, 1927.

"SUGAR LOAF"

"Sugar Loaf."

Particular description of goods.—Table Sirups and Food-Flavoring Extracts, and Household Fruit Sirups for Use as Sauces for Puddings and Other Desserts.

Claims use since Mar. 23, 1927.

Ser. No. 246,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNICAL PACKING COMPANY, San Francisco, Calif. Filed Mar. 30, 1927.

SUNICAL

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Tomatoes With Purée, Honey, Mayonnaise Dressing, Ripe Olives, Solid-Pack Canned Tomatoes, Jams, and Olive Oil.

Claims use since May 1, 1924.

Ser. No. 246,661. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Mar. 31, 1927.

CARBORADIANT

Particular description of goods.—Radiating Combustion Chambers Using Gaseous Liquid and Solid Fuel and Comprised of Refactory Materials.

Claims use since on or about Feb. 1, 1926.

Ser. No. 246,667. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 31, 1927.



The words "Rugged," "Full Cut," and "Dependable" do not form a part of the registration sought except in the particular arrangement and association in which they appear in the drawing.

Particular description of goods.—Men's Work Shirts and Pants.

Claims use since July 9, 1926.

Ser. No. 246,705. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md. Filed Mar. 31, 1927.

MARBELIRON

Particular description of goods.—Vitreous and Porcelain Enamels.

Claims use since Mar. 30, 1927.

Ser. No. 246,708. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md. Filed Mar. 31, 1927.

MARBLELAIN

Particular description of goods.—Vitreous and Porcelain Enamels.

Claims use since Mar. 30, 1927.

Ser. No. 246,721. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ROY A. TARIEL, Sacramento, Calif. Filed Mar. 31, 1927.



No claim is made to "Day and Nite" shown in the drawing as part of trade-mark.

Particular description of goods.—Signs—Namely, Spare Tire Advertising Sign.

Claims use since Jan. 24, 1927.

Ser. No. 246,745. (CLASS 39. CLOTHING.) DAVID F. M. FITZGERALD, doing business as Fitzilk Shirt Company, Fall River, Mass. Filed Apr. 1, 1927.



The descriptive wording—namely, "World's Best Shirt"—is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Men's Negligee, Dress, and Work Shirts.

Claims use since Feb. 28, 1927.

Ser. No. 246,789. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed Apr. 1, 1927.

ETNA

Particular description of goods.—Oils, Greases, and Waxes of All Kinds and Similar Products for Lubricating, Illuminating, Heating, and Fuel Purposes, Also Gasoline.
Claims use since about June 14, 1892.

Ser. No. 246,796. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OSCAR WINTER, Philadelphia, Pa. Filed Apr. 1, 1927.

ALL AMERICAN TABLE PAD

No claim is made to the words "Table Pad" apart from the mark as shown.
Particular description of goods.—Table Pad Having a Base of Deadening Felt or Equivalent with a Facing of Waterproof Material and a Backing of Soft Smooth Textile Fabric to be Used Under a Tablecloth to Protect the Polished Surface of a Table.
Claims use since Mar. 24, 1927.

Ser. No. 246,797. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OSCAR WINTER, Philadelphia, Pa. Filed Apr. 1, 1927.

ALL AMERICAN TABLE PAD WARP PROOF PROTECTOR

No claim is made to the words "Table Pad Warp Proof Protector" apart from the mark as shown.
Particular description of goods.—Table Pad Having a Base of Deadening Felt or Equivalent with a Facing of Waterproof Material and a Backing of Soft Smooth Textile Fabric to be Used Under a Tablecloth to Protect the Polished Surface of a Table.
Claims use since Mar. 24, 1927.

Ser. No. 246,829. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GASH-STULL COMPANY, Chester, Pa. Filed Apr. 2, 1927.

T.I.E.D.

Particular description of goods.—Trailers, Gravity Dumps, Dump Bodies, Axles, Brakes, Wheels, Wheel Bands, Vehicle Springs, Bus Bodies, Truck Tanks, and Dump Carts All of Vehicular Character.
Claims use since October, 1923, upon trailers, gravity dumps, dump bodies, axles, brakes, wheels, wheel bands, and vehicle springs; upon bus bodies since October, 1924; and upon truck tanks and dump carts since October, 1925.

Ser. No. 246,862. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VAN ANTWERP'S DRUG CORPORATION, INC., Mobile, Ala. Filed Apr. 2, 1927.

Vadco-Jappo

Particular description of goods.—Turnip Seed.
Claims use since Jan. 1, 1927.

Ser. No. 246,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. & W. PICKLE AND CANNING CO., Montgomery, Ala. Filed Apr. 2, 1927.



Particular description of goods.—Pickles, Chowchow, and Relish Composed of Chopped Pickles, Sugar, Spices, and Spice Oils.
Claims use since May 5, 1924.

Ser. No. 246,932. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) RAMAR SYNDICATE, INCORPORATED, Norfolk, Va. Filed Apr. 4, 1927.

RamaR

Particular description of goods.—Paper Pulp, Cooked or Digested Wood or Other Vegetable Growth Suitable for Making Cordage, Textile Fabrics, Pulp, or Paper; Plastic Wood and Plastic or Sheeted Pulp.
Claims use since Sept. 1, 1923.

Ser. No. 246,949. (CLASS 10. FERTILIZERS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Apr. 5, 1927.

NU-GREEN

Particular description of goods.—Grass Stimulants.
Claims use since Nov. 30, 1926.

Ser. No. 246,950. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO., INC., Philadelphia, Pa. Filed Apr. 5, 1927.

TARIAN

Particular description of goods.—Worsted and Woolen Dress Goods Manufactured in the Piece.
Claims use since Mar. 30, 1927.

Ser. No. 246,952. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Apr. 5, 1927.

L10

The description numeral "10" is disclaimed apart from the mark as shown.
Particular description of goods.—Rivets, Including Plain, Solid, Slotted, Pronged, Bifurcated, or Tubular.
Claims use since September, 1924.

Ser. No. 246,953. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Apr. 5, 1927.

L12

The lining on the drawing is for the purpose of shading only. The descriptive numeral "12" is disclaimed apart from the mark shown.
Particular description of goods.—Rivets, Including Plain, Solid, Slotted, Pronged, Bifurcated, or Tubular.
Claims use since September, 1924.

Ser. No. 246,954. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Apr. 5, 1927.

J16

The descriptive numeral "16" is disclaimed apart from the mark as shown.
Particular description of goods.—Rivets, Including Plain, Solid, Slotted, Pronged, Bifurcated, or Tubular.
Claims use since September, 1924.

Ser. No. 246,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH H. LEVIN, doing business as Ni-Vel Mfg. Co., Baltimore, Md. Filed Apr. 5, 1927.

Ni-Vel

Particular description of goods.—Face and Hand Lotion.
Claims use since July 1, 1922.

Ser. No. 246,974. (CLASS 39. CLOTHING.) OPPENHEIM & BARUCH, INC., New York, N. Y. Filed Apr 5, 1927.

HEIRBRUSH

Particular description of goods.—Ladies' Collars and Cuffs, Vestees, and Scarfs Made of Silk Fabrics.
Claims use since Mar. 25, 1927.

Ser. No. 246,982. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

POLLY-BOB BABY PANTS

Applicant disclaims any exclusive right to the words "Baby Pants" apart from the mark shown on the drawing.
Particular description of goods.—Rubber Baby Pants.
Claims use since Dec. 27, 1926.

Ser. No. 246,989. (CLASS 39. CLOTHING.) WYANT WAY OF NEW YORK INC., Jersey City, N. J. Filed Apr. 5, 1927.

WONDER-FIT

Particular description of goods.—Knitted and Textile Underwear, Lingerie, Dresses, and Suits Made of Silk, Wool, Cotton, and Artificial Silk for Women.
Claims use since Mar. 15, 1927.

Ser. No. 247,002. (CLASS 39. CLOTHING.) CARP & CO., Mount Vernon, Ill. Filed Apr. 6, 1927.



Particular description of goods.—Overalls, Work Shirts, Work Pants, and One-Piece Work Suits.
Claims use since about December, 1925.

Ser. No. 247,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUGGENHEIM BROS., Chicago, Ill. Filed Apr. 6, 1927.

PREFERRED

Particular description of goods.—Sausage, Bacon, Ham, and Dried Beef.
Claims use since 1922.

Ser. No. 247,025. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) G. KLEIN & SON, New York, N. Y. Filed Apr. 6, 1927.

VERONICA

Particular description of goods.—Rosaries Made Wholly or in Part of Precious Metal or Plated Therewith.
Claims use since Mar. 18, 1927.

Ser. No. 247,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MUSTER & BAUMAN, doing business as Embee Laboratories, Ridgewood, N. J. Filed Apr. 6, 1927.

EMBEE

Particular description of goods.—Hand Lotion.
Claims use since Mar. 4, 1927.

Ser. No. 247,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MUSTER & BAUMAN, doing business as The Ridgewood Pharmacy, Ridgewood, N. J. Filed Apr. 6, 1927.

TANOMINT

Particular description of goods.—Antiseptic-Astringent.
Claims use since Mar. 4, 1927.

Ser. No. 247,045. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GRACE SRAGER, doing business as Chatham Petroleum Company, New York, N. Y. Filed Apr. 6, 1927.

CHAPECO

Particular description of goods.—Prepared Wax for Polishes; Paste, Powder, and Liquid for Furniture, Floors, Automobiles, Woodwork, and Linoleum.
Claims use since Mar. 22, 1927.

Ser. No. 247,049. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) VULCAN MATCH CO., INC., New York, N. Y. Filed Apr. 6, 1927.



No claim is made to the exclusive use of the words "Made in Sweden Safety Matches."
Particular description of goods.—Matches.
Claims use since Mar. 10, 1927.

Ser. No. 247,064. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IRWIN R. BUTZBACH, South Bend, Ind. Filed Apr. 7, 1927.

SUGAR CURED

Particular description of goods.—Bananas in Their Natural State.
Claims use since Jan. 5, 1927.

Ser. No. 247,095. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MARYAN F. OSUCH, doing business as Phonograph-Radio Improving Co., Chicago, Ill. Filed Apr. 7, 1927.

NATUROTONE

Particular description of goods.—Phonograph Reproducer.
Claims use since Aug. 1, 1926.

Ser. No. 247,104. (CLASS 39. CLOTHING.) SHAPIRO & RUBIN, New York, N. Y. Filed Apr. 7, 1927.

Wonder Jacks

Applicants hereby disclaim exclusive rights to the use of the word "Jacks" except as the same is used in connection with the other features of the mark shown on the drawing.
Particular description of goods.—Men's, Women's, and Boys' Jackets.
Claims use since Mar. 4, 1927.

Ser. No. 247,132. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VESS JONES, doing business as the Whistle Company of America, Inc., New York, N. Y. Filed Apr. 8, 1927.

VESS DRY

No claim is made to the word "Dry" except as associated with "Vess."
Particular description of goods.—Nonalcoholic Beverages—Namely, Ginger Ale.
Claims use since Apr. 1, 1926.

Ser. No. 247,171. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed Apr. 9, 1927.

GRAFO-RADIAL

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof; Crystal Receiving Sets, Regenerative Receiving Sets; Radio and Audio Frequency Amplifiers, Loud Speakers; Detector, Amplifier, Transmitting, and Rectifying Vacuum Tubes; Vacuum-Tube Sockets; Radio and Audio Frequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
Claims use since on or about Feb. 14, 1927.

Ser. No. 247,172. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed Apr. 9, 1927.

GRAPHORADIAL

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof; Crystal Receiving Sets, Regenerative Receiving Sets, Radio and Audio Frequency Amplifiers, Loud Speakers; Detector, Amplifier, Transmitting, and Rectifying Vacuum Tubes; Vacuum-Tube Sockets, Radio and Audio Frequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
Claims use since on or about Feb. 14, 1927.

Ser. No. 247,173. (CLASS 39. CLOTHING.) CUSHMAN-HOLLIS COMPANY, Auburn, Me. Filed Apr. 9, 1927.

PED-ARCHO

Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since June 29, 1926.

Ser. No. 247,191. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LEADER SPECIALTY CO., INC., Indianapolis, Ind. Filed Apr. 9, 1927.

Black Tom

Particular description of goods.—Tank Bulbs, Union Washers, Force Cups, Sink Gaskets, Slip-Joint Washers, and Bib Washers.
Claims use since Aug. 18, 1924.

Ser. No. 247,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYO MILLING COMPANY, INC., Richmond, Va. Filed Apr. 9, 1927.



No claim is made to the name "Virginia" apart from the mark as shown.
Particular description of goods.—White-Corn Table Meal.
Claims use since 1914.

Ser. No. 247,199. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MILROY PRODUCTS, INC., Philadelphia, Pa. Filed Apr. 9, 1927.



Particular description of goods.—Laundry and Washing Powder Having Incidental Water-Softening Properties.
Claims use since Mar. 1, 1927.

Ser. No. 247,207. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PEROXIDE CHEMICAL CO., St. Louis, Mo. Filed Apr. 9, 1927.

Vi-Jon

Particular description of goods.—Toilet Creams, Nasal Creams, Toilet Lotions, Toilet Powders, Toilet Waters, Deodorant, Petroleum Jelly, Shampoo, Skin Bleach, Depilatories, Rouges, Lip Sticks, Eyebrow and Eyelash Pencils and Cosmetics, Perfumes in Liquid and Powder Form, Dressing for the Hair, Hair Tonic, Sachet, Bath Salts, Tooth Paste and Powder, Brilliantine, Pomade, Astringent, Liquid Cuticle Remover, Nail Polish, Nail Powder, Nail Whitening, Talcum Powders, Bay Rum, Witch-Hazel, Dental Massage Paste, Mouth Wash, Cologne, Scalp Tonics, Hair Oils, Smelling Salts, Incenses, Foot Powders, Foot Ointments, Salves and Creams for the Treatment of the Hair and Skin, Bandoline, Dusting Powders, Cold Cream for Use After Shaving, Beauty Clay; Dentifrices in Paste, Powder, and Liquid Form; Glycerin, and Rose Water.
Claims use since October, 1924.

Ser. No. 247,212. (CLASS 32. FURNITURE AND UPHOLSTERY.) REXGOLD MANUFACTURING COMPANY, Wilmington, Del. Filed Apr. 9, 1927.



REXGOLD

For the purpose of this application only no claim is made herein to the word "Gold" except as a part of the mark herein shown.
Particular description of goods.—Picture Frames.
Claims use since Feb. 14, 1927.

Ser. No. 247,234. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WILCOX COMB COMPANY, INC., Keene, N. H. Filed Apr. 9, 1927.

PURSE BOB

Particular description of goods.—Combs Other Than Those of Precious Metal.
Claims use since Mar. 18, 1927.

Ser. No. 247,282. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD T. NOLAND, doing business as The Edward T. Noland Black Rock Chemical Mfg. Co., Long Beach, Calif. Filed Apr. 11, 1927.

EIN

Particular description of goods.—Antiseptic and Germicides.
Claims use since Feb. 7, 1925.

Ser. No. 247,289. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SCHEIN & ENGEL CO., doing business as Banner Watch Co., New York, N. Y. Filed Apr. 11, 1927.

AVALON

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since on or about Feb. 10, 1927.

Ser. No. 247,290. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SCHEIN & ENGEL CO., doing business as Banner Watch Co., New York, N. Y. Filed Apr. 11, 1927.

SENECA

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since on or about Feb. 10, 1927.

Ser. No. 247,299. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TEMPLETON, KENLY & COMPANY, LIMITED, Chicago, Ill. Filed Apr. 11, 1927.

SIMPLEX

Particular description of goods.—Trench Braces.
Claims use since Oct. 14, 1926.

Ser. No. 247,315. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THEODORE A. DIEM, doing business as Diem Electric Co., Chicago, Ill. Filed Apr. 12, 1927.



The drawing is lined to indicate the color red. No claim is made to the words composing this mark apart from the mark shown.
Particular description of goods.—Heating Elements Designed for Use in Repairing of Electrical Household Utilities.
Claims use since Feb. 15, 1927.

Ser. No. 247,361. (CLASS 39. CLOTHING.) CRESTWELL HATTERS, INC., New York, N. Y. Filed Apr. 13, 1927.



The lining appearing in the drawing is for shading purposes only and does not denote any particular color.
Particular description of goods.—Men's Stiff and Felt Hats.
Claims use since Feb. 15, 1927.

Ser. No. 247,366. (CLASS 15. OILS AND GREASES.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Apr. 13, 1927.

ETHOL

Particular description of goods.—Motor Fuel Oils.
Claims use since Apr. 1, 1927.

Ser. No. 247,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN K. MILLER, Lynchburg, Va. Filed Apr. 13, 1927.

CAPS-ALL

Particular description of goods.—Medicine for Piles.
Claims use since April, 1926.

Ser. No. 247,384. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANDREW W. MYNDERSE, doing business as Mynderse Beverages, Schenectady, N. Y. Filed Apr. 13, 1927.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Mar. 1, 1924.

Ser. No. 247,400. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TWISTUM TOY FACTORY, Oakland, Calif. Filed Apr. 13, 1927.

TWISTUM

Particular description of goods.—Toy Animals.
Claims use since Dec. 28, 1921.

Ser. No. 247,425. (CLASS 12. CONSTRUCTION MATERIALS.) FORDYCE LUMBER COMPANY, Fordyce, Ark. Filed Apr. 14, 1927.

ROYAL

The trade-mark consists merely in the word "Royal."
Particular description of goods.—Wood Flooring.
Claims use since Dec. 1, 1926.

Ser. No. 247,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILWAUKEE MACARONI CO., Milwaukee, Wis. Filed Apr. 14, 1927.

CLOWN BRAND

The word "Brand" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Macaroni.
Claims use since Nov. 7, 1919.

Ser. No. 247,452. (CLASS 39. CLOTHING.) TUTELMAN & KOHN, Philadelphia, Pa. Filed Apr. 14, 1927.

BOUQUET



BROADCLOTH

Exclusive right to the word "Broadcloth" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Men's Work, Dress, and Negligee Shirts Having Collars Attached.
Claims use since Jan. 1, 1927.

Ser. No. 247,463. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL STAMPING & MFG. CO., Chicago, Ill. Filed Apr. 14, 1927.

Coinometer

Particular description of goods.—Money Changers and Money Payers.
Claims use since Apr. 8, 1927.

Ser. No. 247,461. (CLASS 39. CLOTHING.) COOPER RAIN WEAR MFG. CO., New York, N. Y. Filed Apr. 15, 1927.

REIGNBILT COAT

No claim is made to the exclusive use of the word "Coat" apart from the mark as shown.
Particular description of goods.—Raincoats.
Claims use since about February, 1922.

Ser. No. 247,464. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DRY STORAGE BATTERY CORPORATION, Philadelphia, Pa. Filed Apr. 15, 1927.

TAB

Particular description of goods.—Dry Batteries.
Claims use since about May 21, 1926.

Ser. No. 247,472. (CLASS 39. CLOTHING.) HIMELHOCH BROTHERS & COMPANY, Detroit, Mich. Filed Apr. 15, 1927.

HIMEL-HOSE

No claim is made to the word "Hose" apart from the mark shown.
Particular description of goods.—Hosiery.
Claims use since Mar. 17, 1924.

Ser. No. 247,497. (CLASS 39. CLOTHING.) HAROLD B. SCHOTT, Providence, R. I. Filed Apr. 15, 1927.

Spat-a-Spat

No exclusive use is claimed to the use of the word "Spat" alone appearing in the mark apart from the particular arrangement and association in which it appears with reference to the mark as shown in the drawing.
Particular description of goods.—Protectors for Hosiery.
Claims use since Apr. 14, 1927.

Ser. No. 247,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERTÉ, INC., New York, N. Y. Filed Apr. 16, 1927.

Erté

Particular description of goods.—Perfumes, Body Lotions, and After-Shaving Lotions, Toilet Waters, Face Powders, Bath Powders, and Talcum Powders, Rouge, Lip Sticks, Bath Salts, Face Creams, and Finishing Creams.
Claims use since Dec. 1, 1926.

Ser. No. 247,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT MOHN, Bergen, Norway. Filed Apr. 16, 1927.

VITAMOIL

Particular description of goods.—Cod Liver Oil.
Claims use since Jan. 17, 1927.

Ser. No. 247,558. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C. M. NEVIUS INC., Hornell, N. Y. Filed Apr. 16, 1927.

COFFILTER

Particular description of goods.—Coffee-Making Utensils.
Claims use since Apr. 9, 1927.

Ser. No. 247,565. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Apr. 16, 1927.

SLANTEEL

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1927.

Ser. No. 247,566. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Apr. 16, 1927.

PROFILE

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1927.

Ser. No. 247,567. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Apr. 16, 1927.

TRELLIS

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1927.

Ser. No. 247,589. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. C. ATKINS & COMPANY, Indianapolis, Ind. Filed Apr. 18, 1927.

PRIBNOW

Particular description of goods.—Swages and Swage Shapers.
Claims use since on or about Nov. 1, 1893, upon swages, and since early part of 1891 upon swage shapers.

Ser. No. 247,595. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES M. BREWER, Oklahoma City, Okla. Filed Apr. 18, 1927.



No claim is made to the word "Pop" except in association shown.
Particular description of goods.—Nonalcoholic, Maltless Extract for Making Soft Drinks.
Claims use since Sept. 1, 1926.

Ser. No. 247,601. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE DIBT-KUT COMPANY, Springfield, Ohio. Filed Apr. 18, 1927.

BIS-KUT

Particular description of goods.—Product Composed of Steel Wool and Soap for Cleansing, Scouring, and Polishing.
Claims use since Jan. 1, 1922.

Ser. No. 247,633. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS. THE PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed Apr. 18, 1927. Under 10-year proviso.

PEET BROS.

Particular description of goods.—Soap.
Claims use since 1894.

Ser. No. 247,638. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE RIDGELY TRIMMER COMPANY, Springfield, Ohio. Filed Apr. 18, 1927. Under 10-year proviso.

RIDGELY

Particular description of goods.—Hand Tools for Trimming Wall Paper.
Claims use since Jan. 1, 1889.

Ser. No. 247,646. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STACY WILLIAMS CO., Birmingham, Ala. Filed Apr. 18, 1927.

YELLOW LABEL



The faces shown in the mark are fanciful and not portraits. No claim is made to the right to the exclusive use of the label colored yellow apart from the mark as shown.

Particular description of goods.—Table Sirup.
Claims use since Mar. 21, 1927.

Ser. No. 247,680. (CLASS 39. CLOTHING.) EDDY-FORM BRASSIERE CO., INC., New York, N. Y. Filed Apr. 19, 1927.

"Cors-Eddy"

Particular description of goods.—Corsets, Girdles, and Ladies' Underwear of Knitted, Netted, and Textile Fabric.
Claims use since Feb. 20, 1927.

Ser. No. 247,681. (CLASS 39. CLOTHING.) EDDY-FORM BRASSIERE CO., INC., New York, N. Y. Filed Apr. 19, 1927.

EDDY—FORM BRASSIERE

No claim is made to the word "Brassiere" apart from the mark shown on the drawing.

Particular description of goods.—Brassières, Corsets, Girdles, and Ladies' Underwear of Knitted, Netted, and Textile Fabric.
Claims use since Feb. 20, 1927.

Ser. No. 247,716. (CLASS 39. CLOTHING.) HENRY J. TULLY, New York, N. Y. Filed Apr. 19, 1927.

Sylray

"Sylray."

Particular description of goods.—Knitted Underwear in One, Two, and Three Piece Garments for Ladies, Misses, Children, and Men.
Claims use since Jan. 1, 1925.

Ser. No. 247,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT M. WEINER, Philadelphia, Pa. Filed Apr. 19, 1927.

SUNLO

Particular description of goods.—Liquid for External Skin Use, for Sunburn, Windburn, and Chapped Hands.
Claims use since September, 1924.

Ser. No. 247,728. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALEB D. BRADHAM, doing business as Bradham Drug Company, New Bern, N. C. Filed Apr. 20, 1927. Under 10-year proviso.

ANWAY'S

Particular description of goods.—Medicine for Use in the Treatment of Coughs and Spasmodic Croup.
Claims use since July 9, 1898.

Ser. No. 247,731. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FEDERAL MAIL ORDER CORPORATION, New York, N. Y. Filed Apr. 20, 1927.

METRO

Particular description of goods.—Watches, Watch Movements, and Parts of Watches, Including Watchcases.
Claims use since December, 1925.

Ser. No. 247,735. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILLSIDE COTTON MILLS, doing business as Valway Mills, La Grange, Ga. Filed Apr. 20, 1927.

Moonbeam

Particular description of goods.—Textile Rugs.
Claims use since Mar. 8, 1927.

Ser. No. 247,736. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HILLSIDE COTTON MILLS, doing business as Valley Mills, La Grange, Ga. Filed Apr. 20, 1927.

INDUSTRIAL
KEX
WIPING CLOTHS

The words "Industrial Wiping Cloths" are disclaimed apart from the mark shown. Trade-mark consists of "Kex" inclosed in an oval border.

Particular description of goods.—Industrial Wiping Cloths.
Claims use since Apr. 7, 1927.

Ser. No. 247,737. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HILLSIDE COTTON MILLS, doing business as Valley Mills, La Grange, Ga. Filed Apr. 20, 1927.

UNITEX
CLOTHS

The mark "Unitex" is formed with a line above and one below the letters "Nite," the former line projecting from the letter "U" and the latter line being connected to the letter "X." The use of the word "Cloths" is disclaimed apart from the mark shown.

Particular description of goods.—Industrial Wiping Cloths.
Claims use since Apr. 7, 1927.

Ser. No. 247,745. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM MOORE, St. Louis, Mo. Filed Apr. 20, 1927.

Silver Queen

Particular description of goods.—Powdered Soap.
Claims use since Jan. 15, 1926.

Ser. No. 247,763. (CLASS 39. CLOTHING.) THE USONA SHIRT COMPANY, New York, N. Y. Filed Apr. 20, 1927.

SYLSHEEN

Particular description of goods.—Men's Dress, Negligee, and Work Shirts and Pyjamas.
Claims use since Oct. 1, 1924.

Ser. No. 247,768. (CLASS 39. CLOTHING.) JOS. ANDERSON & CO. INC., New York, N. Y. Filed Apr. 21, 1927.

Hanky Felt

Applicant hereby disclaims exclusive right to the use of the word "Felt" except as the same is used in connection with the other features of the mark shown in the drawing.

Particular description of goods.—Ladies' Hats.
Claims use since Nov. 15, 1926.

Ser. No. 247,781. (CLASS 33. GLASSWARE.) CORNING GLASS WORKS, Corning, N. Y. Filed Apr. 21, 1927.

IVRENE

Particular description of goods.—Glass.
Claims use since Apr. 27, 1926.

Ser. No. 247,783. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 21, 1927.



Particular description of goods.—Pumps.
Claims use since Mar. 27, 1927.

Ser. No. 247,797. (CLASS 32. FURNITURE AND UPHOLSTERY.) W. H. JOHNSON & SON COMPANY, Indianapolis, Ind. Filed Apr. 21, 1927.

CALODOX

Particular description of goods.—Heating-Radiator Shields and Inclosures.
Claims use since Apr. 16, 1927.

Ser. No. 247,799. (CLASS 38. PRINTS AND PUBLICATIONS.) LOUDSPEAKER PUBLISHING CORPORATION, New York, N. Y. Filed Apr. 21, 1927.

LOUDSPEAKER

Particular description of goods.—Printed Publications Published Monthly and at Other Intervals.
Claims use since Apr. 8, 1927.

Ser. No. 247,808. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN F. MILLER, Philadelphia, Pa. Filed Apr. 21, 1927.

100% PURE WORSTED GUARANTEED Co-Go-Tex Franklinshire WORSTED STANDWARE FABRICS

The words "100% Pure Worsted," "Guaranteed," "Franklinshire," and "Worsted Standware Fabrics" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Textile Fabrics in the Piece.
Claims use since Sept. 1, 1925.

Ser. No. 247,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES H. SILBERSTEIN, Brooklyn, N. Y. Filed Apr. 21, 1927.

LOBORY HERB COMPOUND

No claim is made to the words "Herb Compound" apart from the mark shown.
Particular description of goods.—Medicine for the Treatment of Rheumatism, Sciatica, Lumbago, Kidney and Bladder Diseases, and Cutaneous Diseases.
Claims use since Mar. 1, 1927.

Ser. No. 247,839. (CLASS 33. GLASSWARE.) CORNING GLASS WORKS, Corning, N. Y. Filed Apr. 22, 1927.

COREX

Particular description of goods.—Glass.
Claims use since Mar. 29, 1927.

Ser. No. 247,861. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Apr. 22, 1927.



Particular description of goods.—Motor Trucks.
Claims use since about Sept. 21, 1921.

Ser. No. 247,864. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed Apr. 22, 1927.

Princess

Particular description of goods.—Washboards.
Claims use since Mar. 11, 1924.

Ser. No. 247,865. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed Apr. 22, 1927.

RUB E-Z

Particular description of goods.—Washboards.
Claims use since Mar. 11, 1927.

Ser. No. 247,880. (CLASS 37. PAPER AND STATIONERY.) HERBERT W. ZEIGER, doing business as Herbert Sales Co., Newark, N. J. Filed Apr. 22, 1927.

TRANSOGRAPH

Particular description of goods.—Mimeograph.
Claims use since about July 1, 1926.

Ser. No. 247,887. (CLASS 39. CLOTHING.) CARLTON MILLS, INC., New York, N. Y. Filed Apr. 23, 1927.

MILLION-AIR

Particular description of goods.—Men's and Boys' Pyjamas, Nightrobes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since Apr. 1, 1927.

Ser. No. 247,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Apr. 23, 1927.

BLUE BELL

Particular description of goods.—Coffee.
Claims use since on or about November, 1906.

Ser. No. 247,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAL BLATZ BREWING COMPANY, Milwaukee, Wis. Filed Apr. 23, 1927. Under section 5b of the act of 1905 as amended in 1920.

Blatz

Particular description of goods.—Chewing Gum.
Claims use since Mar. 24, 1926.

Ser. No. 247,917. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VANETTA VELVET CO., INC., New York, N. Y. Filed Apr. 23, 1927.

VANETTA

Particular description of goods.—Velvet, Velveteen, and Corduroy in the Piece.
Claims use since Mar. 1, 1923.

Ser. No. 247,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH L. AILLERY, New Bedford, Mass. Filed Apr. 25, 1927.

NURITOL

Particular description of goods.—Preparation for the Treatment of Neuritis, Arthritis, Sciatica, Lumbago, Chronic Articular Rheumatism, Muscular Rheumatism, and Most Diseases Dependent Upon Uric-Acid Diathesis.
Claims use since Apr. 1, 1915.

Ser. No. 247,949. (CLASS 39. CLOTHING.) WM. P. GOLDMAN & BROS., INC., New York, N. Y. Filed Apr. 25, 1927.

Parfour

Particular description of goods.—Men's Suits and Overcoats.
Claims use since Jan. 1, 1927.

Ser. No. 247,961. (CLASS 33. GLASSWARE.) OBEAR-NESTER GLASS CO., St. Louis, Mo. Filed Apr. 25, 1927.

Rex

Particular description of goods.—Prescription Bottles Made of Glass.
Claims use since Jan. 2, 1896.

Ser. No. 247,988. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CLEVELAND CHAMBER OF COMMERCE, Cleveland, Ohio. Filed Apr. 26, 1927.

The Clevelander

Particular description of goods.—Monthly Periodical.
Claims use since May 14, 1926.

Ser. No. 247,989. (CLASS 39. CLOTHING.) CUMBERLAND SHOE CO., Newark, N. J. Filed Apr. 26, 1927.

NO-AKE

Particular description of goods.—Shoes, Slippers, and Boots of Leather and Rubber, Fabric, Leather, and Rubber, Leather and Fabric, or Rubber and Fabric; Overshoes, Spats, Heels, and Shoe Findings—Namely, Heels, Inner and Outer Soles, Uppers, Tongues, and Toe Caps.
Claims use since Dec. 27, 1926.

Ser. No. 247,991. (CLASS 31. FILTERS AND REFRIGERATORS.) ELECTROLUX SERVEL CORPORATION, New York, N. Y. Filed Apr. 26, 1927.

LUXICE

Particular description of goods.—Electric Refrigerators, Refrigerator Parts, Refrigerator Systems, and Filters.
Claims use since Jan. 28, 1927.

Ser. No. 248,004. (CLASS 39. CLOTHING.) LA FRANCE HAT CO., INC., New York, N. Y. Filed Apr. 26, 1927.

LA FRANCE HAT

Registration of the expression "La France Hat" is not claimed except in association with the other features of the mark.

Particular description of goods.—Women's, Misses', and Children's Hats.

Claims use since Apr. 9, 1927.

Ser. No. 248,032. (CLASS 39. CLOTHING.) W. F. DREESE, doing business as Dreese Safety Toe Shoe Company, St. Louis, Mo. Filed Apr. 27, 1927.



Particular description of goods.—Shoes Made of Leather, Cloth, Canvas, or Combinations Thereof.

Claims use since Apr. 18, 1927.

Ser. No. 248,048. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MUSTOMATIK SPECIALTIES, INC., New York, N. Y. Filed Apr. 27, 1927.

MUSTOMATIK

Particular description of goods.—Dispensing Devices Intended for Dispensing Mustard, Oils, Mayonnaise, Creams, and Other Products of Like Nature.

Claims use since Apr. 12, 1927.

Ser. No. 248,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FANNIE MAY CANDY CO. INC., Washington, D. C. Filed Apr. 28, 1927.

Fannie May
Home made Candies



Exclusive use of the words "Home Made Candies" and the pictorial representation of the basket are disclaimed except in connection with the other features of the mark as shown.

Particular description of goods.—Candy.

Claims use since Apr. 15, 1927.

Ser. No. 248,121. (CLASS 17. TOBACCO PRODUCTS.) BEATRICE O'CONOR, Newton Center, Mass. Filed Apr. 28, 1927.

LVBANNE

Particular description of goods.—Cigars and Cigarettes.

Claims use since Mar. 29, 1927.

Ser. No. 248,123. (CLASS 17. TOBACCO PRODUCTS.) BEATRICE O'CONOR, Newton Center, Mass. Filed Apr. 28, 1927.



LVBANNE

Particular description of goods.—Cigars and Cigarettes.

Claims use since Mar. 29, 1927.

Ser. No. 248,150. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ERNEST W. BROCKMAN, doing business as Brockman Brothers, New York, N. Y. Filed Apr. 29, 1927.

F.B.

Particular description of goods.—Agate Buttons of All Kinds.

Claims use since Jan. 1, 1920.

Ser. No. 248,161. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed Apr. 29, 1927.

AtZ

Particular description of goods.—Rayon and Silk Mixed Piece Goods.

Claims use since Mar. 17, 1927.

Ser. No. 248,162. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed Apr. 29, 1927.

Crepe Diva

No rights are asserted to the exclusive use of the word "Crepe" apart from the trade-mark shown in the drawing.

Particular description of goods.—Silk Piece Goods.

Claims use since Mar. 15, 1927.

Ser. No. 248,166. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Apr. 29, 1927.

DUOLA

Particular description of goods.—Radiotransformers, Radio Receiving Sets, Loud Speakers and Units, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.

Claims use since Jan. 10, 1927.

Ser. No. 248,186. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed Apr. 29, 1927.

R.B.

Particular description of goods.—Agate Buttons of All Kinds.

Claims use since Jan. 1, 1920.

Ser. No. 248,190. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed Apr. 29, 1927.

PADRE



The lining on the drawing is for the purpose of shading only and does not indicate color.

Particular description of goods.—Soap.

Claims use since July 1, 1923.

Ser. No. 248,194. (CLASS 38. PRINTS AND PUBLICATIONS.) PIONEER PUBLISHING CO., Oak Park, Ill. Filed Apr. 29, 1927.

THE ASTUTE

Particular description of goods.—Weekly Publication.

Claims use since on or about 1908.

Ser. No. 248,228. (CLASS 39. CLOTHING.) THE EXCELSIOR SHOE COMPANY, Portsmouth, Ohio. Filed Apr. 30, 1927.

THE GRANT FLEXATED SHOE

Applicant owns registration No. 157,056, no claim being made herein to the trade-mark rights in the word "Shoe" apart from the trade-mark shown by the drawing.

Particular description of goods.—Shoes and Boots Made of Leather, Rubber, Fabric, and Combinations of Any of Those Materials.

Claims use since about Sept. 30, 1921.

Ser. No. 248,229. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Apr. 30, 1927.

SUPREME

Particular description of goods.—Tire Pumps and Jacks.
Claims use since about Oct. 1, 1924, on jacks and since about Jan. 1, 1927, on tire pumps.

Ser. No. 248,236. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THOMAS A. JONES, doing business as Anti-Kan Soap Company, Cambria, Ill. Filed Apr. 30, 1927.

ANTI-KAN

Particular description of goods.—Medicated Soap.
Claims use since Mar. 1, 1927.

Ser. No. 248,239. (CLASS 38. PRINTS AND PUBLICATIONS.) MARTIN PUBLICATIONS, INC., New York, N. Y. Filed Apr. 30, 1927.

THE SOUTHERN GOLFER

"The Southern Golfer."
Particular description of goods.—Monthly Magazine.
Claims use since on or about Dec. 3, 1919.

Ser. No. 248,245. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE PATCHCRAFT CORPORATION, New York, N. Y. Filed Apr. 30, 1927.

"Patchyourown"

Particular description of goods.—Ready-Cut Patches for Patchwork.
Claims use since Apr. 25, 1927.

Ser. No. 248,246. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMMA PENELOPE PAULI, doing business as Velva Chemical Co., New York, N. Y. Filed Apr. 30, 1927.

VET'S-VELVA

Particular description of goods.—Lubricant Laxative for Animals.
Claims use since Apr. 1, 1927.

Ser. No. 248,250. (CLASS 38. PRINTS AND PUBLICATIONS.) PIONEER PUBLISHING CO., Oak Park, Ill. Filed Apr. 30, 1927.

OAK LEAVES

"Oak Leaves."
Particular description of goods.—Weekly Publication.
Claims use since on or about 1901.

Ser. No. 248,279. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES C. BRIGADELL, Atlantic City, N. J. Filed May 2, 1927.

Ryo-Gest-It

Particular description of goods.—Digestive Tonic.
Claims use since Dec. 1, 1910.

Ser. No. 248,312. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HERMAN MESSERSCHMIDT, doing business as Schmidt Products Company, Detroit, Mich. Filed May 2, 1927.

CAMP-FIRE

Particular description of goods.—Malt Sirup.
Claims use since about Apr. 15, 1927.

Ser. No. 248,315. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE, INC., Cleveland, Ohio. Filed May 2, 1927.

Wash Tubbs

Particular description of goods.—Comic Strip.
Claims use since Feb. 18, 1927.

Ser. No. 248,339. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOHN A. ZURN, doing business as J. A. Zurn Manufacturing Company, Erie, Pa. Filed May 2, 1927.

SANI-TEED

Particular description of goods.—Waste and Vent Fittings, Floor Drains, Bath Traps and Accessories, Drum Traps and Accessories, Resealing Traps, and Refrigerator Drains.
Claims use since Oct. 15, 1926.

Ser. No. 248,342. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNST BISCHOFF CO. INC., New York, N. Y. Filed May 3, 1927.

ANAYODIN

Particular description of goods.—Treatment for Amœbic Dysentery.
Claims use since Jan. 3, 1927.

Ser. No. 248,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLAHERTY BAKING COMPANY, Covington, Ky. Filed May 3, 1927.



Particular description of goods.—Bread.
Claims use since Apr. 4, 1927.

Ser. No. 248,362. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) WILLIAM GRAF, doing business as Southwark Beverage & Products Co., Philadelphia, Pa. Filed May 3, 1927.

MOUNTAIN TOP

Particular description of goods.—Malt Sirups for Beverage Purposes.
Claims use since May 12, 1923.

Ser. No. 248,373. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ORANGE CRUSH BOTTLING CO., Buffalo, N. Y. Filed May 3, 1927.



Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since March, 1926.

Ser. No. 248,378. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEHLI SILKS CORPORATION, New York, N. Y. Filed May 3, 1927.

"Pine Needle Crepe"

No claim is made to the word "Crepe" apart from the mark shown.
Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 22, 1927.

Ser. No. 248,380. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed May 3, 1927.

Break-O Powder

Exclusive right to the use of the word "Powder" is disclaimed separate and apart from the other features of the mark.
Particular description of goods.—Washing Powder.
Claims use since Mar. 15, 1927.

Ser. No. 248,381. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAYMOND D. WATERBURY, Jamaica, N. Y. Filed May 3, 1927.

NOXALL

The trade-mark shown in the drawing consists of the word "Noxall."
Particular description of goods.—Grape and Fruit Presser.
Claims use since Apr. 1, 1927.

Ser. No. 248,387. (CLASS 38. PRINTS AND PUBLICATIONS.) AMATEUR CINEMA LEAGUE, INC., New York, N. Y. Filed May 4, 1927.

MOVIE MAKERS

Particular description of goods.—Monthly Magazine.
Claims use since May 1, 1927.

Ser. No. 248,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed May 4, 1927.

FAST-U-SOL

Particular description of goods.—Dyestuffs.
Claims use since Apr. 8, 1927.

Ser. No. 248,408. (CLASS 10. FERTILIZERS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed May 4, 1927.



Particular description of goods.—Plant Foods and Fertilizers.
Claims use since about Mar. 23, 1927.

Ser. No. 248,420. (CLASS 17. TOBACCO PRODUCTS.) ABRAHAM MILLER, Brooklyn, N. Y. Filed May 4, 1927.

PRIMATE

Particular description of goods.—Cigars.
Claims use since July 15, 1925.

Ser. No. 248,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMME-LUTHER WERKE BRAUNSCHWEIG DER "MIAG" MÜHLENBAU UND INDUSTRIE AKTIENGESELLSCHAFT, Braunschweig, Germany. Filed May 5, 1927.

Titan

Particular description of goods.—Hammer Mills and Other Stone Crushers.
Claims use since 1912.

Ser. No. 248,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. ARKIN, doing business as Etablissement D'Arnot, Hollywood, Calif. Filed May 5, 1927.

HOLLYWOOD BLOSSOMS

Particular description of goods.—Perfumery.
Claims use since Mar. 18, 1927.

Ser. No. 248,466. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed May 5, 1927.

PERLEEN

Particular description of goods.—Woolen Textile Fabrics in the Piece.
Claims use since about Nov. 1, 1926.

Ser. No. 248,469. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed May 5, 1927.

GOSALAINE

Particular description of goods.—Woolen Textile Fabrics in the Piece.
Claims use since about Nov. 1, 1926.

Ser. No. 248,472. (CLASS 32. FURNITURE AND UPHOLSTERY.) HARRY M. BEDELL, doing business as Bedell Mfg. Company, Washington, D. C. Filed May 5, 1927.

The Congress

Particular description of goods.—Mattresses.
Claims use since as early as 1900.

Ser. No. 248,534. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

VISCO

Particular description of goods.—Glue.
Claims use since Oct. 15, 1926.

Ser. No. 248,526. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

ENDURO

Particular description of goods.—Glue.
Claims use since Oct. 30, 1926.

Ser. No. 248,527. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

SUPREMUS

Particular description of goods.—Glue.
Claims use since Nov. 11, 1926.

Ser. No. 248,528. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

ECONOMY

Particular description of goods.—Glue.
Claims use since Oct. 14, 1926.

Ser. No. 248,529. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

SUPERHESIVE

Particular description of goods.—Glue.
Claims use since Oct. 15, 1926.

Ser. No. 248,532. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

HERCULES

Particular description of goods.—Glue.
Claims use since Nov. 10, 1926.

Ser. No. 248,534. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

TUG OF WAR

Particular description of goods.—Glue.
Claims use since Oct. 23, 1926.

Ser. No. 248,545. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN LEROY BEAVER, Philadelphia, Pa. Filed May 6, 1927.

DIAMONSTELS

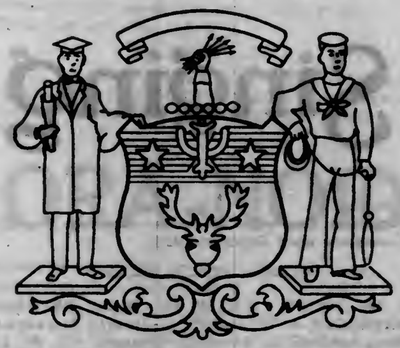
Particular description of goods.—Polishing and Burnishing Material Made of Metal.
Claims use since Apr. 6, 1927.

Ser. No. 248,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRESERVING CO., Los Angeles, Calif. Filed May 6, 1927.

O·P·S

Particular description of goods.—Jelly, Jam, Fruit, Preserves, Marmalades, Canned Fruits, and Canned Vegetables.
Claims use since Jan. 1, 1927.

Ser. No. 248,558. (CLASS 31. FILTERS AND REFRIGERATORS.) ELECTRIC REFRIGERATION CORPORATION, Detroit, Mich. Filed May 6, 1927.



Particular description of goods.—Refrigerators, Mechanical Refrigerating Apparatus, and Parts Thereof.
Claims use since December, 1925.

Ser. No. 248,563. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GENERAL BEVERAGE COMPANY, Baltimore, Md. Filed May 6, 1927.

HIGH ROCK

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since May 5, 1924.

Ser. No. 248,566. (CLASS 38. PRINTS AND PUBLICATIONS.) GLADDING MCBEAN & CO., San Francisco, Calif. Filed May 6, 1927.

SHAPES OF CLAY

Particular description of goods.—Periodical Publication.
Claims use since May, 1925.

Ser. No. 248,575. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, South Bartonville, Peoria, Ill. Filed May 6, 1927.

Green Circle

The lining shown in the drawing is to indicate green color.

Particular description of goods.—Nails.

Claims use since on or about Apr. 22, 1927.

Ser. No. 248,598. (CLASS 38. PRINTS AND PUBLICATIONS.) SINGING MAGAZINE CO., INC., New York, N. Y. Filed May 6, 1927.

Singing

"Singing."

Particular description of goods.—Monthly Magazine.

Claims use since January, 1926.

Ser. No. 248,600. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GUSTAV TIEFENTHALER, doing business as Wisconsin Creamery Co., St. Louis, Mo. Filed May 6, 1927.

AMERICAN MAID

Particular description of goods.—Malt Sirup.

Claims use since Jan. 1, 1922.

Ser. No. 248,604. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif. Filed May 6, 1927.

BIG CHIEF

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since Jan. 25, 1915.

Ser. No. 248,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AGRIPPA COMPANY, Albany, Ga. Filed May 7, 1927.

A-GRIPP-A

Particular description of goods.—Preparations for the Treatment of Coughs, Colds, La Grippe, Sore Throat, and Headache.

Claims use since Apr. 15, 1927.

Ser. No. 248,610. (CLASS 38. PRINTS AND PUBLICATIONS.) AHRENS PUBLISHING COMPANY, INC., New York, N. Y. Filed May 7, 1927.

FOOD PROFITS

Particular description of goods.—Monthly Magazine.

Claims use since January, 1927.

Ser. No. 248,611. (CLASS 38. PRINTS AND PUBLICATIONS.) AHRENS PUBLISHING COMPANY, INC., New York, N. Y. Filed May 7, 1927.

INSTITUTIONAL MERCHANDISING

Particular description of goods.—Quarterly Magazine.

Claims use since November, 1925.

Ser. No. 248,618. (CLASS 43. THREAD AND YARN.) CHAMPLAIN SILK MILLS, New York, N. Y. Filed May 7, 1927.

CELLOFIL

Particular description of goods.—Yarn.

Claims use since prior to Apr. 23, 1927.

Ser. No. 248,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as the Pacific Seed House, Salt Lake City, Utah. Filed May 7, 1927.

PAX

Particular description of goods.—Horse Feed, Cow Feed, Chicken Feed, Sheep Feed, Pig Feed, and Calf Feed.

Claims use since March, 1927.

Ser. No. 248,621. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., Denver Colo., also doing business as The Claflin Flour Mills, Claflin, Kans. Filed May 7, 1927.

PRAIRIE HOME

Particular description of goods.—Wheat Flour.

Claims use since Mar. 28, 1927.

Ser. No. 248,629. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH FEINSTEIN, New York, N. Y. Filed May 7, 1927.

AGWA WATCH

No rights are asserted to the exclusive use of the word "Watch" apart from the mark as shown in the drawing.

Particular description of goods.—Watches, Watch Movements, Watchcases, and Parts Thereof.

Claims use since Apr. 22, 1927.

Ser. No. 248,630. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH FEINSTEIN, New York, N. Y. Filed May 7, 1927.

JAYEFF WATCH

No rights are asserted to the exclusive use of the word "Watch" apart from the mark shown in the drawing.

Particular description of goods.—Watches, Watch Movements, Watchcases, and Parts Thereof.

Claims use since Apr. 22, 1927.

Ser. No. 248,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY LEMLER, doing business as Lemler's Drug Stores, Baltimore, Md. Filed May 7, 1927.

LEM

Particular description of goods.—Laxatives, General Tonics, Liniments, Cod-Liver-Oil Preparations in Liquid or Tablet Form, Diuretic Stimulants for the Kidneys, and Preparations for the Treatment of Coughs and Colds.

Claims use since May 20, 1922.

Ser. No. 248,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed May 7, 1927.

GEE-BEE MOLASSES LUMPETS

Exclusive right to the use of the word "Molasses" is disclaimed apart from the other features of the mark shown.

Particular description of goods.—Cattle Feed.

Claims use since Dec. 16, 1926.

Ser. No. 248,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALKASAN PRODUCTS, INC., Chicago, Ill. Filed May 9, 1927.

ORA-NOID

Particular description of goods.—Dental Powder.

Claims use since Apr. 12, 1926.

Ser. No. 248,677. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CSEH, Porters Corners, N. Y. Filed May 9, 1927.

CHE C KO

Particular description of goods.—Medicinal Preparation in the Form of Pills for the Treatment of Diarrhea.

Claims use since Dec. 20, 1926.

Ser. No. 248,701. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LIEBERMAN BROS., New York, N. Y. Filed May 9, 1927.

LIEBROS

Particular description of goods.—Watches, Watchcases, Watch Movements, Clocks, and Watch and Clock Parts.

Claims use since Feb. 1, 1927.

Ser. No. 248,708. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ALBERT J. MOONEY, doing business as Wheeling Malt Co., Wheeling, W. Va. Filed May 9, 1927.

ROYAL BLUE

Particular description of goods.—Malt Sirup.
Claims use since Apr. 1, 1927.

Ser. No. 248,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 10, 1927.

STOVARSOLATE

Particular description of goods.—Oxyacetylaminophenylarsinic Acid.
Claims use since about Nov. 27, 1926.

Ser. No. 248,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 10, 1927.

STOVARSOLIQUE

Particular description of goods.—Oxyacetylaminophenylarsinic Acid.
Claims use since about Nov. 27, 1926.

Ser. No. 248,890. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ELLEN WATCH CASE CO., INC., New York, N. Y. Filed May 12, 1927.

ELLEN

Particular description of goods.—Watchcases.
Claims use since about Apr. 25, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 14, 1927.

228,827. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, AND SACHETS. LE MAIRE PERFUMEUR, INC., Chicago, Ill.
Filed January 8, 1927. Serial No. 242,542. PUBLISHED APRIL 5, 1927.

228,828. FRUIT JAMS. CHARLES G. ROMANO, doing business as Charles G. Romano & Co., New York, N. Y.
Filed January 10, 1927. Serial No. 242,621. PUBLISHED APRIL 5, 1927.

228,829. TOILET PREPARATIONS—NAMELY, TOILET WATER, SHAMPOO, PERFUME, AND POWDER. LAWRENCE, INCORPORATED, Philadelphia, Pa.
Filed January 11, 1927. Serial No. 242,676. PUBLISHED APRIL 5, 1927.

228,830. STEEL DIES AND BRONZE MOLDS. PAUL CRICCHIO, New York, N. Y.
Filed January 12, 1927. Serial No. 242,709. PUBLISHED APRIL 5, 1927.

228,831. BAR CANDIES. SOLOMON R. SEROOGY, doing business as Sol Seroogy, Green Bay, Wis.
Filed January 12, 1927. Serial No. 242,752. PUBLISHED APRIL 5, 1927.

228,832. A SPASMODIC USED IN THE TREATMENT OF TABES, PSEUDOTABES, MULTIPLE SCLEROSIS, MYASTHENIA, AND PERNICIOUS ANÆMIA. J. D. RIEDEL AKTIENGESELLSCHAFT, Berlin-Britz, Germany.
Filed January 13, 1927. Serial No. 242,801. PUBLISHED APRIL 5, 1927.

228,833. SILK GOODS IN THE PIECE. C. K. EAGLE & CO., INC., Shamokin, Pa., and New York, N. Y.
Filed January 14, 1927. Serial No. 242,824. PUBLISHED APRIL 5, 1927.

228,834. HOG MINERAL RATION, POULTRY MINERAL RATION, AND LIVESTOCK MINERAL RATION. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed January 14, 1927. Serial No. 242,870. PUBLISHED MARCH 29, 1927.

228,835. BRASS AND COPPER TUBING, GUTTER HANGERS, RIVETS, BOLTS, AND NAILS. JOHN H. HEIMBUECHER METALS CO., St. Louis, Mo.
Filed January 19, 1927. Serial No. 243,057. PUBLISHED APRIL 5, 1927.

228,836. MONTHLY MAGAZINE. PRO DISTRIBUTORS PUBLISHING COMPANY, INC., New York, N. Y.
Filed January 20, 1927. Serial No. 243,109. PUBLISHED APRIL 5, 1927.

228,837. COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS FOR MEN AND YOUNG MEN. EISENBERG & ANDERSON, New York, N. Y.
Filed June 21, 1926. Serial No. 233,537. PUBLISHED MARCH 1, 1927.

228,838. FRESH VEGETABLES—NAMELY, BEETS, ONIONS, CABBAGE, CARROTS, SPINACH, AND TURNIPS; MELONS—NAMELY, CANTALOUPES. JOHNSON & DERBY, Laredo, Tex.
Filed June 21, 1926. Serial No. 233,555. PUBLISHED APRIL 5, 1927.

228,839. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed July 2, 1926. Serial No. 234,116. PUBLISHED APRIL 5, 1927.

228,840. LADIES' SKIRTS AND DRESSES. OSHKOSH MUSLIN UNDERWEAR CO., Oshkosh, Wis.
Filed August 23, 1926. Serial No. 236,335. PUBLISHED FEBRUARY 15, 1927.

228,841. TEXTILE CARPETS, RUGS, AND OTHER TEXTILE FLOOR COVERINGS. CAREFUL CARPET CLEANING COMPANY, INC., New York, N. Y.
Filed September 23, 1926. Serial No. 237,593. PUBLISHED FEBRUARY 22, 1927.

228,842. PERIODICAL PUBLICATION AND MAGAZINE. WHEELER REID PUBLICATIONS, INC., Hollywood, Calif.
Filed October 12, 1926. Serial No. 238,526. PUBLISHED APRIL 5, 1927.

228,843. CANDY, SALTED NUT MEATS, AND PEANUT BUTTER. THE KELLY CO., Cleveland, Ohio.
Filed October 14, 1926. Serial No. 238,586. PUBLISHED MARCH 29, 1927.

228,844. CAKES, COOKIES, WAFERS, DOUGHNUTS, BISCUIT, AND BREAD. SILVERTOWN BAKING CORPORATION, Brooklyn, N. Y.
Filed October 16, 1926. Serial No. 238,748. PUBLISHED DECEMBER 14, 1926.

228,845. STEEL CAR DOORS AND FIXTURES THEREFOR. THE YOUNGSTOWN STEEL DOOR CO., Cleveland, Ohio.
Filed October 20, 1926. Serial No. 238,936. PUBLISHED APRIL 5, 1927.

228,846. SAFETY-RAZOR BLADES. R. H. MACY & CO., INC., New York, N. Y.
Filed October 26, 1926. Serial No. 239,257. PUBLISHED APRIL 5, 1927.

228,847. SAWMILL AND MINING MACHINERY, ACCESSORIES, AND PARTS. THE PRESCOTT COMPANY, Menominee, Mich.
Filed October 28, 1926. Serial No. 239,379. PUBLISHED APRIL 5, 1927.

228,848. PERIODICAL BUSINESS REVIEW PUBLISHED MONTHLY. THE GARFIELD NATIONAL BANK, New York, N. Y.
Filed October 29, 1926. Serial No. 239,407. PUBLISHED APRIL 5, 1927.

228,849. CANVAS BASKETS AND SIMILAR CANVAS CONTAINERS WITH OR WITHOUT WHEELS, CASTERS, ROLLERS, RUNNERS, OR THE LIKE. WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md.
Filed November 2, 1926. Serial No. 239,583. PUBLISHED APRIL 5, 1927.

228,850. GOLF CLUBS, GOLF BALLS, GOLF BAGS, GOLF IRONS, AND GOLF TEES. DONALDSON MANUFACTURING CO., LTD., Glasgow, Scotland.
Filed November 8, 1926. Serial No. 239,798. PUBLISHED APRIL 5, 1927.

228,851. LEATHER CUSHIONS. MOROCCAN ESTATES, INC., New York, N. Y.
Filed November 8, 1926. Serial No. 239,818. PUBLISHED APRIL 5, 1927.

228,852. BRASSIÈRES. G. M. POIX INC., Brooklyn, N. Y.
Filed November 15, 1926. Serial No. 240,090. PUBLISHED FEBRUARY 15, 1927.

228,853. CHEESES AND CHEESE PRODUCTS. S. GALLE & CO., New York, N. Y.
Filed November 18, 1926. Serial No. 240,249. PUBLISHED MARCH 29, 1927

228,854. LIQUID CARBON DIOXIDE. BEACON DEVICES, INC., North Tonawanda, N. Y.
Filed December 7, 1926. Serial No. 241,077. PUBLISHED APRIL 5, 1927.

228,855. HUMIDORS, ASH RECEIVERS AND TRAYS, CIGAR CASES, AND CIGARETTE CASES. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y.
Filed December 7, 1926. Serial No. 241,081. PUBLISHED APRIL 5, 1927.

228,856. HUMIDORS, ASH RECEIVERS AND TRAYS, CIGAR CASES, AND CIGARETTE CASES. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y.
Filed December 7, 1926. Serial No. 241,082. PUBLISHED APRIL 5, 1927.

228,857. MEDICINE FOR THE TREATMENT OF RHEUMATISM AND DISEASES OF THE SKIN AND BLOOD. JOHN HAYNES, Pawhuska, Okla.
Filed December 8, 1926. Serial No. 241,154. PUBLISHED APRIL 5, 1927.

228,858. CANDY BAR. SHOTWELL MFG. CO., Chicago, Ill.
Filed October 16, 1924. Serial No. 203,979. PUBLISHED MARCH 22, 1927.

228,859. FRESH APPLES. L. E. BIRMINGHAM, Sturgeon Bay, Wis.
Filed March 24, 1925. Serial No. 211,516. PUBLISHED APRIL 5, 1927.

228,860. CAKE COMPRISING A WHEAT PRODUCT AND MILK CHOCOLATE. TWO IN ONE CONFECTION COMPANY, Latrobe, Pa.
Filed June 12, 1925. Serial No. 215,717. PUBLISHED APRIL 5, 1927.

228,861. FABRICS MADE FROM WOOL, WORSTED, OR MIXTURES THEREOF FOR SUITINGS AND SOLD IN THE PIECE FOR MANUFACTURE OF CLOTHING. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,898. PUBLISHED APRIL 5, 1927.

228,862. CANNED FISH, SPECIFICALLY SARDINES. SEACOAST CANNING COMPANY, Eastport, Me.
Filed September 3, 1925. Serial No. 219,772. PUBLISHED APRIL 5, 1927.

228,863. GAS RANGES, PLATES, HEATERS, AND STOVES. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed September 5, 1925. Serial No. 219,912. PUBLISHED APRIL 5, 1927.

228,864. SILK PIECE GOODS. SUSQUEHANNA SILK MILLS, New York, N. Y.
Filed January 7, 1926. Serial No. 225,623. PUBLISHED APRIL 5, 1927.

228,865. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,404. PUBLISHED APRIL 5, 1927.

228,866. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,405. PUBLISHED APRIL 5, 1927.

228,867. OIL BURNERS AND OIL HEATERS. THE SUPER OIL HEATER COMPANY, Hartford, Conn.
Filed February 1, 1926. Serial No. 226,797. PUBLISHED APRIL 5, 1927.

228,868. CANDY IN FORM OF CHOCOLATE WAFERS. VAN HOUTEN, INC., New York, N. Y., assignor to C. J. Van Houten & Zoon, a co-partnership of Weesp, Netherlands.
Filed February 3, 1926. Serial No. 226,837. PUBLISHED APRIL 5, 1927.

228,869. CANDY. NICHOLAS P. DAMIANAKES, doing business as California Peanut Co., Oakland, Calif.
Filed February 10, 1926. Serial No. 227,114. PUBLISHED APRIL 5, 1927.

228,870. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE FITGER COMPANY, Duluth, Minn.
Filed February 10, 1926. Serial No. 227,118. PUBLISHED APRIL 5, 1927.

228,871. ELASTIC FABRIC IN THE PIECE. THE NARROW FABRIC CO., West Reading and Reading, Pa.
Filed March 4, 1926. Serial No. 228,126. PUBLISHED APRIL 5, 1927.

228,872. MEDICINAL PREPARATION FOR THE TREATMENT OF CATARRH, RHEUMATISM, BILIOUSNESS, BLOTCHES, BOILS, CONSTIPATION, STOMACH TROUBLES, ERYSIPELAS, FEMALE COMPLAINTS, JAUNDICE, ERUPTIONS, DYSPEPSIA, KIDNEY TROUBLES, LIVER COMPLAINT, NERVOUSNESS, PILES, PIMPLES, SALT RHEUM, SCROFULA, SKIN DISEASES, SYPHILIS, TETTER, TUMORS, AND ULCERS. HARDWICK-SPENCER MEDICINE COMPANY, LTD., Charleston, W. Va.
Filed March 5, 1926. Serial No. 228,188. PUBLISHED APRIL 5, 1927.

228,873. BANK SUPPLIES—NAMELY, PASS BOOKS, CHECK BOOKS, COIN ENVELOPES, AND BLANK FORMS OF ALL KINDS USED IN BANKING BUSINESS. CONTINENTAL BANK-SUPPLY COMPANY, Mexico, Mo.
Filed March 17, 1926. Serial No. 228,744. PUBLISHED APRIL 5, 1927.

228,874. FIGURED SHEET GLASS. THE WESTERN GLASS COMPANY, Streator, Ill.
Filed March 19, 1926. Serial No. 228,878. PUBLISHED APRIL 5, 1927.

228,875. BREAD. BARKER BREAD COMPANY, Portland, Oreg.
Filed March 24, 1926. Serial No. 229,082. PUBLISHED MARCH 29, 1927.

228,876. MALTLESS BEVERAGES, SOFT DRINKS. ELECTRIFIED WATER CO., Newark, N. J.
Filed March 26, 1926. Serial No. 229,223. PUBLISHED APRIL 5, 1927.

228,877. FABRICS MADE OF WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed April 10, 1926. Serial No. 229,951. PUBLISHED APRIL 5, 1927.

228,878. LAXATIVE AND CATHARTIC IN SOLID FORM. LA SOCIETE GENERALE DE PRODUITS SPECIALISES, Geneva, Switzerland.
Filed December 9, 1926. Serial No. 241,230. PUBLISHED APRIL 5, 1927.

228,879. SILK PIECE GOODS. WOLLMAN SILK CORPORATION, New York, N. Y.
Filed December 10, 1926. Serial No. 241,310. PUBLISHED APRIL 5, 1927.

228,880. SKIN POWDER. GEORGE S. HETER, Houston, Tex.
Filed December 14, 1926. Serial No. 241,483. PUBLISHED APRIL 5, 1927.

228,881. REFRIGERATORS, REFRIGERATING APPARATUS, AND ICE-MAKING MACHINES AND PARTS THEREOF. BROR PÄLSSON, Malmo, Sweden.
Filed December 17, 1926. Serial No. 241,633. PUBLISHED APRIL 5, 1927.

228,882. PERIODICAL PUBLICATION. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed December 21, 1926. Serial No. 241,797. PUBLISHED APRIL 5, 1927.

228,883. CANDIES. W. P. CHASE CANDY CORP., Brooklyn, N. Y.
Filed December 24, 1926. Serial No. 241,926. PUBLISHED APRIL 5, 1927.

228,884. GLASSWARE. GLASFABRIKEN UND RAFFINERIEN JOSEF INWALD A. G., Vienna, Austria.
Filed December 31, 1926. Serial No. 242,229. PUBLISHED APRIL 5, 1927.

228,885. CAKE AND PASTRY FLOUR. MAUSER MILL COMPANY, Treichlers, Pa.
Filed January 3, 1927. Serial No. 242,306. PUBLISHED MARCH 29, 1927.

228,886. WHEAT FLOUR. THE REA-PATTERSON MILLING COMPANY, Coffeyville, Kans.
Filed January 5, 1927. Serial No. 242,393. PUBLISHED MARCH 29, 1927.

228,887. MAGAZINE PUBLISHED MONTHLY. DELL PUBLISHING COMPANY, New York, N. Y.
Filed January 6, 1927. Serial No. 242,416. PUBLISHED APRIL 5, 1927.

228,888. HOUSE ORGAN PUBLISHED MONTHLY. PACIFIC EGG PRODUCERS COOPERATIVE, INC., New York, N. Y.
Filed February 14, 1927. Serial No. 244,367. PUBLISHED APRIL 5, 1927.

228,889. PERIODICAL. THE METHODIST BOOK CONCERN, Cincinnati, Ohio.
Filed February 14, 1927. Serial No. 244,361. PUBLISHED APRIL 5, 1927.

228,890. MONTHLY PUBLICATION. LOYLESS PUBLISHING COMPANY, Atlanta, Ga.
Filed February 14, 1927. Serial No. 244,358. PUBLISHED APRIL 5, 1927.

228,891. COUGH LOZENGES. SEMION S. NELSON, Hartford, Conn.
Filed February 26, 1927. Serial No. 244,949. PUBLISHED APRIL 5, 1927.

228,892. FACE POWDER, BATH POWDER, COLD CREAM, ROUGE, LIP STICKS, AND ASTRINGENT CREAM. JUNE DAYS, INCORPORATED, Des Moines, Iowa.
Filed February 26, 1927. Serial No. 244,939. PUBLISHED APRIL 5, 1927.

228,893. MAIL-INSERTING MACHINES. INSERTOGRAPH CO., Waukesha, Wis.
Filed February 26, 1927. Serial No. 244,936. PUBLISHED APRIL 5, 1927.

228,894. COFFEE. THE GREAT ATLANTIC & PACIFIC TEA CO., Jersey City, N. J.
Filed February 26, 1927. Serial No. 244,927. PUBLISHED APRIL 5, 1927.

228,895. MAGAZINE. SMITH BROTHERS PUBLISHERS, INC., New York, N. Y.
Filed February 8, 1927. Serial No. 244,030. PUBLISHED APRIL 5, 1927.

228,896. COAL, WOOD, OR GAS RANGES. TENNESSEE STOVE WORKS, Chattanooga, Tenn.
Filed February 8, 1927. Serial No. 244,033. PUBLISHED APRIL 5, 1927.

228,897. COMPUTING TOYS SUCH AS TOY ADDING MACHINES, CASH REGISTERS, AND COMPUTING SCALES. THE DAYTON FRICTION TOY COMPANY, Dayton, Ohio.
Filed February 9, 1927. Serial No. 244,056. PUBLISHED APRIL 5, 1927.

228,898. GOLF BALLS. ARLINGTON RUBBER COMPANY, Everett, Mass.
Filed January 22, 1927. Serial No. 243,188. PUBLISHED APRIL 5, 1927.

228,899. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING SAME. THE C. M. PITT & SONS COMPANY, Baltimore, Md.
Filed January 22, 1927. Serial No. 243,230. PUBLISHED APRIL 5, 1927.

228,900. FRESH GRAPES. FRESNO GRAPE DISTRIBUTORS, Fresno, Calif.
Filed January 24, 1927. Serial No. 243,261. PUBLISHED MARCH 29, 1927.

228,901. MALT SIRUP FOR BEVERAGE PURPOSES. SIGMUND L. GOLDMAN, doing business as Stone Malt Co., Chicago, Ill., and Columbus, Ohio.
Filed January 24, 1927. Serial No. 243,266. PUBLISHED APRIL 5, 1927.

228,902. BED SPRINGS. ED LIEBERMAN, Chicago, Ill.
Filed January 24, 1927. Serial No. 243,275. PUBLISHED APRIL 5, 1927.

228,903. SHAVING CREAM TO BE USED BEFORE SHAVING. THE WILLIAM A. WEBSTER COMPANY, doing business as Mutual Manufacturing Co., Memphis, Tenn., and Kansas City, Mo.
Filed January 25, 1927. Serial No. 243,331. PUBLISHED APRIL 5, 1927.

228,904. MALT SIRUP FOR FOOD PURPOSES. BETTER HEALTH MALT SYRUP CO., Chicago, Ill.
Filed January 31, 1927. Serial No. 243,583. PUBLISHED APRIL 5, 1927.

228,905. MEDICINAL POWDERS FOR THE RELIEF OF PAIN SUCH AS NEURALGIA, NEURITIS, RHEUMATISM, HEADACHES, AND OTHER PAINFUL AFFLICTIONS. DUNDAS R. CAMPBELL, doing business as PhaMaSal Company, Rockville Center, N. Y.
Filed February 1, 1927. Serial No. 243,641. PUBLISHED APRIL 5, 1927.

228,906. DRUM TRAPS. THE WENSLEY METAL PRODUCTS COMPANY, Denver, Colo.
Filed February 1, 1927. Serial No. 243,676. PUBLISHED APRIL 5, 1927.

228,907. MEDICINAL PREPARATION FOR THE RELIEF OF ACHES, PAINS, HEADACHES, BRUISES, CATARRH, NEURALGIA, HAY FEVER, AND HEAD COLDS. ELIAS GREENBERG, New York, N. Y.
Filed February 2, 1927. Serial No. 243,698. PUBLISHED APRIL 5, 1927.

228,908. LADIES' BAGS. EMANUEL HAMMERLING, doing business as Eastern Trading Co., New York, N. Y.
Filed February 2, 1927. Serial No. 243,700. PUBLISHED MARCH 29, 1927.

228,909. MOUTH AND THROAT ANTISEPTIC, ASTRINGENT, AND PROPHYLACTIC. Mrs. I. LEONARD JAMES, doing business as Prescription Laboratories, Atlanta, Ga.
Filed February 2, 1927. Serial No. 243,705. PUBLISHED APRIL 5, 1927.

228,910. DAILY NEWSPAPER. WALTER E. BOYD, Paris, Tex.
Filed February 3, 1927. Serial No. 243,746. PUBLISHED APRIL 5, 1927.

228,911. TRACTORS, ROAD GRADERS, ROAD-WORKING MACHINES, AND PARTS THEREOF. THE HADFIELD-PENFIELD STEEL COMPANY, Bucyrus, Ohio.
Filed February 3, 1927. Serial No. 243,757. PUBLISHED APRIL 5, 1927.

228,912. COTTON, SILK, ARTIFICIAL-SILK, WOOL, MIXTURE OF WOOL AND SILK, MIXTURE OF COTTON AND SILK PIECE GOODS. THE IMPERIAL SILK HOUSE, New York, N. Y.
Filed February 3, 1927. Serial No. 243,761. PUBLISHED APRIL 5, 1927.

228,913. TOY MINATURE LUMBER. JOHNSON LUMBER COMPANY, Manchester, N. H.
Filed February 3, 1927. Serial No. 243,762. PUBLISHED APRIL 5, 1927.

228,914. LIQUID COFFEE EXTRACT. MAGIC COFFEE COMPANY, Pittsburgh, Pa.
Filed February 3, 1927. Serial No. 243,767. PUBLISHED APRIL 5, 1927.

228,915. PHARMACEUTICAL PREPARATIONS—NAMELY, PREPARATIONS FOR THE TREATMENT AND PREVENTION OF AILMENTS DUE TO IMPROPER ASSIMILATION OF FOOD, AS, FOR INSTANCE, INDIGESTION OR DYSPEPSIA. RANIER PHARMACEUTICAL PRODUCTS CO., Kenmore, N. Y.
Filed February 3, 1927. Serial No. 243,783. PUBLISHED APRIL 5, 1927.

228,916. PREPARATION FOR APPLICATION TO GLASS FOR PRECLUDING FOGGING. CARRIER-STEPHENS COMPANY, Lansing, Mich.
Filed April 24, 1926. Serial No. 230,660. PUBLISHED APRIL 5, 1927.

228,917. COTTON PIECE GOODS. F. U. STEARNS & COMPANY, New York, N. Y.
Filed February 16, 1927. Serial No. 244,479. PUBLISHED APRIL 5, 1927.

228,918. HOUSE ORGANS. GILMOUR, ROTHERY & Co., Boston, Mass.
Filed February 17, 1927. Serial No. 244,497. PUBLISHED APRIL 5, 1927.

228,919. PERIODICAL. EDWARD T. MAPLES, San Francisco, Calif.
Filed February 17, 1927. Serial No. 244,507. PUBLISHED APRIL 5, 1927.

228,920. HYDRAULIC TRANSMISSION UNITS. THE OILGEAR COMPANY, Milwaukee, Wis.
Filed February 17, 1927. Serial No. 244,511. PUBLISHED APRIL 5, 1927.

228,921. MONTHLY MAGAZINE. UNION PUBLISHING COMPANY, Dallas, Tex.
Filed February 17, 1927. Serial No. 244,521. PUBLISHED APRIL 5, 1927.

228,922. TEA AND COFFEE. DELANO, POTTER & Co., INC., Boston, Mass.
Filed February 18, 1927. Serial No. 244,547. PUBLISHED APRIL 5, 1927.

228,923. OIL-BURNING LANTERNS AND THE BURNERS AND METAL PARTS THEREOF. R. E. DIETZ COMPANY, New York, N. Y.
Filed February 18, 1927. Serial No. 244,550. PUBLISHED APRIL 5, 1927.

228,924. MONTHLY MAGAZINE. LUCY W. PEABODY, Cambridge, Mass.
Filed February 18, 1927. Serial No. 244,569. PUBLISHED APRIL 5, 1927.

228,925. INKING RIBBONS AND CARBON PAPER. F. S. WEBSTER COMPANY, Boston, Mass.
Filed February 18, 1927. Serial No. 244,585. PUBLISHED APRIL 5, 1927.

228,926. SILK PIECE GOODS. ALBERT GODDE, BEDIN, INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,591. PUBLISHED APRIL 5, 1927.

228,927. GOLF BALLS. THE DRAPER-MAYNARD COMPANY, Plymouth, N. H.
Filed February 19, 1927. Serial No. 244,606. PUBLISHED APRIL 5, 1927.

228,928. WOODEN FAUCETS. NATHAN ZOHMAN, doing business as Acme Cork Co., New York, N. Y.
Filed February 19, 1927. Serial No. 244,643. PUBLISHED APRIL 5, 1927.

228,929. CANDY AND CANDY BARS. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed February 21, 1927. Serial No. 244,672. PUBLISHED APRIL 5, 1927.

228,930. PLOWS AND HARROWS. EMERSON-BRANTINGHAM CORPORATION, Rockford, Ill.
Filed February 21, 1927. Serial No. 244,682. PUBLISHED APRIL 5, 1927.

228,931. WOOLEN AND WORSTED FABRICS IN THE PIECE. DETMER, BRUNER & MASON, INC., New York, N. Y.
Filed February 15, 1927. Serial No. 244,395. PUBLISHED APRIL 5, 1927.

228,932. MONTHLY PUBLICATION. RAND MCNALLY AND COMPANY, Chicago, Ill.
Filed February 16, 1927. Serial No. 244,471. PUBLISHED APRIL 5, 1927.

228,933. PLAIN AND SELF-RISING FLOUR. LILLIE MILL COMPANY, Franklin, Tenn.
Filed February 15, 1927. Serial No. 244,409. PUBLISHED MARCH 29, 1927.

228,934. COAL. UNITED STATES FUEL COMPANY, Salt Lake City, Utah.
Filed March 10, 1925. Serial No. 210,819. PUBLISHED OCTOBER 13, 1925.

228,935. SILK FABRICS. EMSHEIMER & SAHLEIN, New York, N. Y.
Filed February 8, 1927. Serial No. 244,005. PUBLISHED APRIL 5, 1927.

228,936. CARD GAME. ASSOCIATED EDUCATORS SYNDICATE, Bay City, Mich.
Filed February 7, 1927. Serial No. 243,917. PUBLISHED APRIL 5, 1927.

228,937. BUTTER. TOLOMA CREAMERY, Los Angeles, Calif.
Filed February 5, 1927. Serial No. 243,896. PUBLISHED MARCH 29, 1927.

228,938. DIGESTANT FOR ALL POULTRY. PRE-TEST PRODUCTS COMPANY, Sedalia, Mo.
Filed February 5, 1927. Serial No. 243,884. PUBLISHED APRIL 5, 1927.

228,939. HANDKERCHIEFS. PENN HANDKERCHIEF CO., INC., Madison, N. C.
Filed February 5, 1927. Serial No. 243,878. PUBLISHED APRIL 5, 1927.

228,940. SALTS AND BUFFING COMPOUNDS FOR USE IN CADMIUM PLATING. METALS PROTECTION CORPORATION, Indianapolis, Ind.
Filed February 5, 1927. Serial No. 243,871. PUBLISHED APRIL 5, 1927.

228,941. NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES AND CONCENTRATES FOR MAKING SAME. SETHNESS COMPANY, Chicago, Ill.
Filed February 23, 1927. Serial No. 244,790. PUBLISHED APRIL 5, 1927.

228,942. SILK PIECE GOODS—NAMELY, WASHABLE CREPES. MAX SPIVAK, New York, N. Y.
Filed February 23, 1927. Serial No. 244,798. PUBLISHED APRIL 5, 1927.

228,943. FRESH LETTUCE. TREMAINE ALFALFA RANCH & MILLING COMPANY, Mesa, Ariz.
Filed February 23, 1927. Serial No. 244,801. PUBLISHED APRIL 5, 1927.

228,944. ANTISEPTIC AND DEODORANT PREPARATION RECOMMENDED AS A MOUTH WASH, THROAT SPRAY, NASAL DOUCHE, EYEWASH, AND FOR INTERNAL USE IN CASES OF DIGESTIVE DISORDERS. HUDSON & COMPANY, INC., New York, N. Y.
Filed February 24, 1927. Serial No. 244,825. PUBLISHED APRIL 5, 1927.

228,945. HAIRDRESSING OR TONIC. HEITKAMP BROS., INC., New Orleans, La.
Filed February 24, 1927. Serial No. 244,824. PUBLISHED APRIL 5, 1927.

228,946. VEGETABLE AND IRON COMPOUND FOR USE AS A GENERAL TONIC AND SYSTEM BUILDER. GILES W. LEWIS, doing business as The Heftone Co., Vaughan, Miss.
Filed February 24, 1927. Serial No. 244,833. PUBLISHED APRIL 5, 1927.

228,947. PISTON RINGS. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 24, 1927. Serial No. 244,841. PUBLISHED APRIL 5, 1927.

228,948. WOOLEN PIECE GOODS. YUND, KENNEDY & YUND, Amsterdam, N. Y.
Filed February 24, 1927. Serial No. 244,843. PUBLISHED APRIL 5, 1927.

228,949. SUBSTITUTES FOR GLYCERIN. THE DAIGGER CORPORATION, Chicago, Ill.
Filed February 25, 1927. Serial No. 244,854. PUBLISHED APRIL 5, 1927.

228,950. GOLF BALL. DRUGGISTS' SUPPLY CORPORATION, New York, N. Y.
Filed February 25, 1927. Serial No. 244,856. PUBLISHED APRIL 5, 1927.

228,951. GOLF BALL. DRUGGISTS' SUPPLY CORPORATION, New York, N. Y.
Filed February 25, 1927. Serial No. 244,857. PUBLISHED APRIL 5, 1927.

228,952. GOLF BALL. DRUGGISTS' SUPPLY CORPORATION, New York, N. Y.
Filed February 25, 1927. Serial No. 244,858. PUBLISHED APRIL 5, 1927.

228,953. JAMS, JELLIES, JELLY CONCENTRATE AND FRUIT-JUICE CONCENTRATE FOR FOOD FLAVORING. JELMARVL CO., Los Angeles, Calif.
Filed February 25, 1927. Serial No. 244,871. PUBLISHED APRIL 5, 1927.

228,954. SHAMPOO, HAIR RINSE, HAIR TONIC, AND HAIRDRESSING. SUNLAND LABORATORIES INC., Los Angeles, Calif.
Filed February 25, 1927. Serial No. 244,894. PUBLISHED APRIL 5, 1927.

228,955. MONTHLY PUBLICATIONS. THE WHITE COMPANY, Cleveland, Ohio.
Filed February 25, 1927. Serial No. 244,902. PUBLISHED APRIL 5, 1927.

228,956. SEMIMONTHLY PUBLICATIONS. THE WHITE COMPANY, Cleveland, Ohio.
Filed February 25, 1927. Serial No. 244,903. PUBLISHED APRIL 5, 1927.

228,957. MEDICINE FOR THE TREATMENT OF THE EYES. NED A. BALDING, Lincoln, Ill.
Filed February 26, 1927. Serial No. 244,913. PUBLISHED APRIL 5, 1927.

228,958. WOVEN BELTING, TRANSMISSION AND BRAKE LINING. THE SCANDINAVIA BELTING COMPANY, Newark, N. J.
Filed January 21, 1927. Serial No. 243,174. PUBLISHED APRIL 5, 1927.

228,959. PASSENGER-CARRYING AUTOMOBILES. FALCON MOTORS CORPORATION, Detroit, Mich.
Filed February 4, 1927. Serial No. 243,802. PUBLISHED APRIL 5, 1927.

228,960. SHAVING CREAMS TO BE USED AFTER SHAVING, DENTAL CREAMS, MOUTH WASHES, FOOT POWDERS, HAND AND FACE LOTIONS, DEODORANTS, AND DISINFECTANTS. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed January 25, 1927. Serial No. 243,332. PUBLISHED APRIL 5, 1927.

228,961. KITCHEN STRAINERS AND FRY BASKETS. HAMBLIN & RUSSELL MANUFACTURING COMPANY, INC., Worcester, Mass.
Filed January 21, 1927. Serial No. 243,151. PUBLISHED MARCH 15, 1927.

228,962. OINTMENT FOR SKIN DISEASES AND A TONIC FOR HAIR AND SCALP. DE LONEY & COMPANY, INC., Hammond, Ind., and Chicago, Ill.
Filed January 19, 1927. Serial No. 243,038. PUBLISHED APRIL 5, 1927.

228,963. KELP MINERAL PRODUCTS FOR MEDICINAL PURPOSES IN DRY AND LIQUID FORM FOR USE IN THE TREATMENT OF STOMACH TROUBLE, BLOOD DISEASES, HARDENING OF THE ARTERIES, KIDNEY AND BLADDER DISEASES, RHEUMATISM, GOITER, SKIN DISEASES, DIABETES, SCROFULA, TUMOR, FEMALE TROUBLES, FOR USE AS AN ASTRINGENT AND AS A DOUCHE IN VAGINAL AND UTERINE TROUBLES, FOR EXTERNAL APPLICATION ON SORES AND INFLAMMATIONS AND FOR USE AS A GENERAL TONIC. H. H. BROOTEN & SONS INC., Cloverdale, Oreg.
Filed January 18, 1927. Serial No. 242,982. PUBLISHED APRIL 5, 1927.

228,964. PERFUMES. ALPHONSE PILLET, doing business as Pillet, New York, N. Y.
Filed December 28, 1926. Serial No. 242,065. PUBLISHED APRIL 5, 1927.

228,965. PERFUMES. ALPHONSE PILLET, doing business as Pillet, New York, N. Y.
Filed December 28, 1926. Serial No. 242,064. PUBLISHED APRIL 5, 1927.

228,966. LEAD SULPHATE AND LEAD OXIDE FOR USE IN THE MANUFACTURE OF STORAGE-BATTERY PLATES. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 8, 1926. Serial No. 241,143. PUBLISHED APRIL 5, 1927.

228,967. CANDY BAR. THE SHOTWELL MFG. CO., Chicago, Ill.
Filed September 15, 1926. Serial No. 237,290. PUBLISHED APRIL 5, 1927.

228,968. TOILET PREPARATIONS—NAMELY, SHAMPOO AND HAIR TONIC. SUMA-DORE PRODUCTS, INC., New York, N. Y.
Filed May 12, 1926. Serial No. 231,501. PUBLISHED NOVEMBER 16, 1926.

228,969. INTERNAL REMEDIES FOR THE TREATMENT OF RHEUMATISM, SCIATICA, NEURALGIA, AND GOUT. PINUS MEDICINE COMPANY, Monticello, Ill.
Filed February 18, 1926. Serial No. 227,472. PUBLISHED APRIL 5, 1927.

228,970. POWDER PUFFS. THE MAURICE LEVY CO., INC., New Rochelle, N. Y., assignor to Maurice Levy, New York, N. Y.
Filed February 3, 1925. Serial No. 209,043. PUBLISHED FEBRUARY 23, 1926.

228,971. PLAIN AND SELF-RISING WHEAT FLOUR. LEXINGTON ROLLER MILLS CO., INC., Lexington, Ky.
Filed February 9, 1927. Serial No. 244,081. PUBLISHED MARCH 29, 1927.

228,972. CARD GAME. NATIONAL GOLF SERVICE CO., INC., New York, N. Y.
Filed February 9, 1927. Serial No. 244,087. PUBLISHED APRIL 5, 1927.

228,973. AUTOMOBILE TRUNKS, TRAVELING BAGS AND SUITCASES, TELESCOPE BAGS, HAND BAGS, LEATHER BAGS, POCKETBOOKS, LEATHER CASES, PURSES, PORTFOLIOS, TRAVELING TOILET CASES, MESH BAGS NOT OF PRECIOUS METAL, TRUNKS, VALISES, VANITIES, WALLETS. THE PALAIS ROYAL, INC., Washington, D. C.
Filed February 9, 1927. Serial No. 244,102. PUBLISHED MARCH 29, 1927.

228,974. WHEAT FLOUR. SCOTT COUNTY MILLING COMPANY, Sikeston, Mo.
Filed February 9, 1927. Serial No. 244,110. PUBLISHED MARCH 29, 1927.

228,975. INSECTICIDAL, GERMICIDAL, AND FUNGICIDAL SPRAYS FOR TREES AND PLANTS. CALIFORNIA SPRAY-CHEMICAL COMPANY, Watsonville, Calif. Filed February 16, 1927. Serial No. 244,424. PUBLISHED APRIL 5, 1927.

228,976. MEDICINAL PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, AND THE LIKE. FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed February 16, 1927. Serial No. 244,437. PUBLISHED APRIL 5, 1927.

228,977. CORN PLASTERS. NUEVO L. HAAS, doing business as Haas Bros., Benton Harbor, Mich. Filed February 16, 1927. Serial No. 244,439. PUBLISHED APRIL 5, 1927.

228,978. TEETHING POWDERS. JOHN STEEDMAN & COMPANY, London, England. Filed February 16, 1927. Serial No. 244,449. PUBLISHED APRIL 5, 1927.

228,979. ANÆSTHETICS. NIKETOL, INC., New York, N. Y. Filed February 16, 1927. Serial No. 244,463. PUBLISHED APRIL 5, 1927.

228,980. OILS, ESSENCES, AND RAW MATERIALS FOR PERFUMES AND PERFUMERY PRODUCTS. SOCIETE ANONYME "LES HESPERIDES," Paris, France. Filed February 18, 1927. Serial No. 244,579. PUBLISHED APRIL 5, 1927.

228,981. MEDICINAL PREPARATIONS TO BE USED IN THE TREATMENT OF LIVER AND GALL-BLADDER DISEASES. SAMUEL SALETAN, doing business as Brooklyn Scientific Products Company, Brooklyn, N. Y. Filed February 21, 1927. Serial No. 244,720. PUBLISHED APRIL 5, 1927.

228,982. MALT SIRUPS FOR FOOD AND BEVERAGE PURPOSES. HENRY HIRSH, doing business as Home Beverage Co., Chicago, Ill. Filed February 23, 1927. Serial No. 244,770. PUBLISHED APRIL 5, 1927.

228,983. LINIMENT FOR RHEUMATISM, SPRAINS, AND NEURALGIA. MICHAEL J. DOWNEY, Nashua, N. H. Filed February 15, 1927. Serial No. 244,396. PUBLISHED APRIL 5, 1927.

228,984. HAIR TONICS. ROSARIO MARTORANO, Brooklyn, N. Y. Filed February 8, 1927. Serial No. 244,019. PUBLISHED APRIL 5, 1927.

228,985. MEDICINE FOR ACID STOMACH, HEARTBURN, FLATULENCE. A. ROY FLANIGAN, Williamsport, Pa. Filed February 8, 1927. Serial No. 244,009. PUBLISHED APRIL 5, 1927.

228,986. ANTISEPTIC DEODORIZING POWDER. A. ROY FLANIGAN, doing business as Sweetex Products, Williamsport, Pa. Filed February 8, 1927. Serial No. 244,008. PUBLISHED APRIL 5, 1927.

228,987. MEDICINE FOR THE TREATMENT OF HEADACHES, NEURALGIA, RHEUMATISM, NERVOUS AND SICK HEADACHE, PAINS FROM COLDS, LA GRIPPE, PERIODICAL PAINS, AND INDIGESTION. POWELL DRUG CO., Sylvania, Ga. Filed February 7, 1927. Serial No. 243,967. PUBLISHED APRIL 5, 1927.

228,988. MEDICINAL PRODUCT FOR THE TREATMENT OF NEURASTHENIA, HYSTERIA, AND HYPOCHONDRIA. MAISON A. GAZZONI & COMPANIA, Bologna, Italy. Filed February 4, 1927. Serial No. 243,837. PUBLISHED APRIL 5, 1927.

228,989. PASSENGER-CARRYING AUTOMOBILES. THE WILLYS-OVERLAND COMPANY, Toledo, Ohio. Filed February 4, 1927. Serial No. 243,837. PUBLISHED APRIL 5, 1927.

228,990. MAGAZINE PUBLISHED TWICE A MONTH. GLEN-KEL PUBLISHING CO., INC., New York, N. Y. Filed February 10, 1927. Serial No. 244,150. PUBLISHED APRIL 5, 1927.

228,991. SODA. LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed February 10, 1927. Serial No. 244,164. PUBLISHED APRIL 5, 1927.

228,992. MONTHLY MAGAZINE. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed February 10, 1927. Serial No. 244,165. PUBLISHED APRIL 5, 1927.

228,993. MECHANICAL TOY FIGURE. MILLER-SMITH, INC., Cedar Grove, La. Filed February 10, 1927. Serial No. 244,173. PUBLISHED APRIL 5, 1927.

228,994. CANDY—NAMELY, CHOCOLATES. VONEIFF-DRAYER CO., Baltimore, Md. Filed February 10, 1927. Serial No. 244,195. PUBLISHED APRIL 5, 1927.

228,995. SEMOLINA. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed February 11, 1927. Serial No. 244,259. PUBLISHED MARCH 29, 1927.

228,996. FERTILIZERS. INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y. Filed February 12, 1927. Serial No. 244,303. PUBLISHED APRIL 5, 1927.

228,997. DAILY PUBLICATION. EXHIBITORS REVIEW PUBLISHING CORPORATION, New York, N. Y. Filed February 14, 1927. Serial No. 244,351. PUBLISHED APRIL 5, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

228,998. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLEVELAND FOLDING MACHINE COMPANY, Cleveland, Ohio. Filed May 19, 1927. Serial No. 249,210.

CLEVELAND

Particular description of goods.—Paper Feeders and Paper-Folding Machines.
Claims use since on or about July 15, 1924.

228,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE E. STOCKING, Rochelle, Ill. Filed Dec. 24, 1925. Serial No. 225,148.

WINSLOW'S

Particular description of goods.—Canned Vegetables.
Claims use since Nov. 19, 1925.

229,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, doing business as A. J. Krank Manufacturing Company, St. Paul, Minn. Filed July 10, 1925. Serial No. 217,159.

"LASTLONGER"

Particular description of goods.—Hair-Dressing Preparations.
Claims use since May 27, 1925.

229,001. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HANLON & GOODMAN CO., New York, N. Y., and Belleville, N. J. Filed Mar. 30, 1926. Serial No. 229,384.



Particular description of goods.—Paint, Varnish, and Calcimine Brushes.
Claims use since about Dec. 3, 1925.

229,002. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNYSIDE CITRUS ASSOCIATION, Porterville, Calif. Filed June 21, 1926. Serial No. 233,585.

NATURE'S BEST

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1917.

229,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. J. SEGRAVES, doing business as Para Pepsin Company, Henry, Ill. Filed July 19, 1926. Serial No. 234,745.

Para Pepsin
THE NEW HERB LAXATIVE

Particular description of goods.—Laxative Compound.
Claims use since May 1, 1926.

229,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THAYER PHARMACAL CO., Chicago, Ill. Filed July 24, 1926. Serial No. 235,083.

THAYER'S
CREAM OF CREAMS

Particular description of goods.—Toilet Creams.
Claims use since May 3, 1926.

229,005. (CLASS 33. GLASSWARE.) CHARLES B. POAR, Glendale, Calif. Filed Aug. 20, 1926. Serial No. 236,226.

Ruf-Amber

Particular description of goods.—Bottles Made of Glass.
Claims use since Feb. 1, 1926.

229,006. (CLASS 12. CONSTRUCTION MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Aug. 26, 1926. Serial No. 236,513.

KANT-LEAK

Particular description of goods.—Asbestos-Fiber Cement for Covering and Repairing Old and New Roofs, Calking, Glazing, and Flashing Breaks, Openings, Etc., in Floors, Walls, Sidewalks, Etc.
Claims use since May 1, 1926.

229,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BESSIE L. BARBER, Los Angeles, Calif. Filed Oct. 4, 1926. Serial No. 238,102.

Le Brun

Particular description of goods.—Hair Dye.
Claims use since Sept. 2, 1925.

229,008. (CLASS 38. PRINTS AND PUBLICATIONS.) LEWIS E. MYERS & COMPANY, Valparaiso, Ind. Filed Oct. 15, 1926. Serial No. 238,689.

THE CHAUTAUQUA COMBINATION

Particular description of goods.—Scrolls and Charts.
Claims use since Mar. 1, 1926.

229,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOROTHY PRIMROSE, Portland, Oreg. Filed Dec. 8, 1926. Serial No. 241,178.

Butter Squares
Dorothy Primrose Recipe

Particular description of goods.—Candies.
Claims use since Nov. 10, 1922.

229,010. (CLASS 12. CONSTRUCTION MATERIALS.) CURTIS COMPANIES, INCORPORATED, Clinton, Iowa. Filed Jan. 27, 1927. Serial No. 243,421.

CURTIS

Particular description of goods.—Sashes, Doors, Blinds, Stairways, Wooden Moldings, Wooden Frames for Doors and Windows, Structural Wooden Brackets, Wooden Banisters, Wooden Columns and Newels, Porch Rails, Permanent Built-In Sideboards, Permanent Built-In Buffets, Permanent Built-In Pedestals, Permanent Built-In Bookcases, Built-In Mantel Shelves, Built-In Kitchen Cupboards, Paneling, Flooring, Wooden Store Fronts, Complete Stairs, Stair Parts, Built-In China Closets, Built-In Dining-Room Alcoves, Built-In Breakfast Nooks, Built-In Medicine Cases, Built-In Hanging Cases, Built-In Mantels, Built-In Tray Cases, Built-In Linen Cases, Built-In Dressing Tables, Porch Columns, Porch Newels, Porch Brackets, Porch Balusters, Windows, Screen Doors and Built-In Screen Windows, Doorframes and Window Frames, Entrance Frames, Interior and Exterior Moldings, Door and Window Trim.
Claims use since June 30, 1913.

229,011. (CLASS 39. CLOTHING.) JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 26, 1927. Serial No. 244,938.

LEATHERETTE

Particular description of goods.—Fabric Gloves.
Claims use since February, 1913.

229,012. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Filed Mar. 30, 1927. Serial No. 246,625.

THE PHILADELPHIA & READING COAL & IRON CO. FAMOUS READING ANTHRACITE

Particular description of goods.—Coal.
Claims use since March, 1912.

229,013. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TALBOT WINCHELL, Hollywood, Calif. Filed Apr. 4, 1927. Serial No. 246,943.

MOJAVE

Particular description of goods.—Honey.
Claims use since 1924.

229,014. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. O. SMITH CORPORATION, Milwaukee, Wis. Filed June 13, 1923. Serial No. 181,962.

Weldrod

Particular description of goods.—Covered Metallic-Arc-Welding Electrodes.
Claims use since Apr. 1, 1923.

229,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Aug. 9, 1926. Serial No. 235,732.

Quality

Particular description of goods.—Baking Powder.
Claims use since on or about Mar. 1, 1912.

229,016. (CLASS 39. CLOTHING.) JACOBS BROTHERS, Baltimore, Md. Filed Aug. 9, 1926. Serial No. 235,738.

SHAMROCK POPLIN De Luxe QUALITY

Particular description of goods.—Women's, Misses', and Children's Aprons, Dresses, and Uniforms of All Descriptions.
Claims use since Jan. 5, 1926.

229,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT WALKER, Philadelphia, Pa. Filed Oct. 8, 1926. Serial No. 238,347.

WALKER'S RUB

Particular description of goods.—Liniment.
Claims use since June 1, 1922.

229,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL NUT MARGARINE COMPANY, Los Angeles, Calif. Filed Oct. 15, 1926. Serial No. 238,673.

COCOMARGARIN

Particular description of goods.—Oleomargarine.
Claims use since Aug. 2, 1906.

229,019. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY PRODUCE CORPORATION, Los Angeles, Calif. Filed Oct. 15, 1926. Serial No. 238,680.

Larchmont

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish, Canned Berries, Olives, Honey, Chili Sauce, Mustard, Jams, Jellies, Catchup, Canned Shellfish.
Claims use since Mar. 18, 1926.

229,020. (CLASS 39. CLOTHING.) EAGLE WASH SUIT CO., INC., New York, N. Y. Filed Nov. 26, 1926. Serial No. 240,598.

Blue Jacket

Particular description of goods.—Boys' and Girls' Outerwear—Namely, Suits, Jackets, Coats, Overcoats, Uniforms, Trousers, Middy Blouses, Blouses, Caps, Hats, Dresses, Skirts, and Waists.
Claims use since Jan. 1, 1926.

229,021. (CLASS 5. ADHESIVES.) ROGERS ISINGLASS AND GLUE COMPANY, Gloucester, Mass. Filed Dec. 6, 1926. Serial No. 241,068.

ROGERS

Particular description of goods.—Glues, Dry and Liquid; Art Rubber or Fricket Cement, Mending Fluid, Stripping Solution, Pastes, Mucilage, Dry Unfibrous Isinglass, and Liquid Isinglass.
Claims use since Sept. 18, 1913.

229,022. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN FETT Sr., Chicago, Ill. Filed Dec. 9, 1926. Serial No. 241,210.

FETT Super-Coil

FETT

Particular description of goods.—Bed Springs.
Claims use since May 1, 1926.

229,023. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM MOORE, doing business as William Moore Company, Philadelphia, Pa. Filed Dec. 29, 1926. Serial No. 241,950.

"Deckle Colour Blend Rock"

Particular description of goods.—Roofing Materials—Namely, Shingles, Slates, and Tiles of Various Colors.
Claims use since July, 1921.

229,024. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAURICE W. MAY, New York, N. Y. Filed Feb. 4, 1927. Serial No. 243,818.

"CASTELLO"

Particular description of goods.—Cleaning and Polishing Fluid Having a Soap Base.
Claims use since May 1, 1925.

229,025. (CLASS 39. CLOTHING.) LOU I. LUBIN, Mount Vernon, N. Y. Filed Feb. 14, 1927. Serial No. 244,359.

LUBIN

Particular description of goods.—Ladies' Hats, Hat Bodies, and Hat Hoods.
Claims use since Feb. 1, 1920.

229,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HART GREEN COMPANY, East Chicago, Ind. Filed Feb. 21, 1927. Serial No. 244,691.

Mary Jane Katsup

Particular description of goods.—Canned Fruit, Canned Vegetables, Canned Mixed Vegetables, Canned Fish, Canned Berries, Canned Fruits for Salad, Salad Dressing, Mayonnaise Dressing, Peanut Butter, Olives, Pickles, Chili Sauce, Canned Fruit Preserves.
Claims use since August, 1917.

229,027. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Mar. 4, 1927. Serial No. 245,216.

"KATHODE"

Particular description of goods.—Metallic Arc Pencils and Wire and Rods Employed in Arc Welding.
Claims use since June, 1921.

229,028. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE COOPER CORP., Cincinnati, Ohio. Filed Mar. 21, 1927. Serial No. 246,079.

Correct in Size and Otherwise
Cooper

Particular description of goods.—Automobile Tire Casings and Tubes.
Claims use since spring of 1921.

229,029. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OSCAR WINTER, Philadelphia, Pa. Filed Apr. 1, 1927. Serial No. 246,795.

AMERICAN TABLE PAD

Particular description of goods.—Table Pads Having a Base of Deadening Felt or an Equivalent with a Facing of Waterproofing Material and a Backing of Soft, Smooth Textile Fabric to be Used Under a Tablecloth to Protect the Polished Surface of a Table.
Claims use since on or about May 9, 1925.

229,030. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MULTIBESTOS COMPANY, Walpole, Mass. Filed Apr. 13, 1927. Serial No. 247,383.

NORFOLK

Particular description of goods.—Transmission Lining for Ford Cars.
Claims use since July 15, 1925.

229,031. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HALOID COMPANY, Rochester, N. Y. Filed Apr. 14, 1927. Serial No. 247,429.

PRESS
BROMIDE

Particular description of goods.—Photographic Developing Papers.
Claims use since May, 1922.

229,032. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J. Filed Apr. 21, 1927. Serial No. 247,787.

Verithin

Particular description of goods.—Soap Flakes.
Claims use since Aug. 16, 1922.

229,033. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE BELMONT PRODUCTS CO., Martins Ferry, Ohio. Filed Apr. 28, 1927. Serial No. 248,082.

BAGDAD

Particular description of goods.—Ginger Ale.
Claims use since Mar. 25, 1925.

229,034. (CLASS 2. RECEPTACLES.) BOOTHBY FIBRE CAN COMPANY, Boston, Mass. Filed May 5, 1927. Serial No. 248,474.

BOOTHBY

Particular description of goods.—Paper Cans.
Claims use since May 1, 1926.

TRADE-MARK REGISTRATIONS RENEWED

62,604. KNITTED HOSIERY, GLOVES, AND UNDERWEAR. Registered April 16, 1907. MORITZ SML. ESCHE, Chemnitz, Germany. Renewed April 16, 1927.

62,106. KNITTED HOSIERY, GLOVES, AND UNDERWEAR. Registered April 16, 1907. MORITZ SML. ESCHE, Chemnitz, Germany. Renewed April 16, 1927.

62,295. NONALCOHOLIC CARBONATED BEVERAGE AND SIRUP FOR MAKING THE SAME. Registered April 30, 1907. MOXIE NERVE FOOD COMPANY OF NEW ENGLAND, Saco, Me.; Boston, Mass.; and New York, N. Y. Renewed April 30, 1927, to The Moxie Company, Boston, Mass., a Corporation of Maine, successor.

62,296. A REMEDY FOR DISEASES OF THE BLOOD. Registered April 30, 1907. JAMES M. MYERS. Renewed April 30, 1927, to Carroll C. Seghers, Cincinnati, Ohio, successor.

62,560. CERTAIN FOODS. Registered May 14, 1907. S. S. PIERCE CO., Boston, Mass., a Corporation of Massachusetts. Renewed May 14, 1927.

63,422. LIQUID GAS IN PORTABLE TANKS FOR INFLATING TIRES. Registered June 18, 1907. THE PREST-O-LITE COMPANY, Indianapolis, Ind. Renewed June 18, 1927, to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York, assignee.

63,767. TRACING CLOTH. Registered July 9, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed July 9, 1927.

63,768. TRACING CLOTH. Registered July 9, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed July 9, 1927.

63,789. TRACING CLOTH. Registered July 9, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed July 9, 1927.

63,790. TRACING CLOTH. Registered July 9, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed July 9, 1927.

63,791. BOOKBINDERS' CLOTH. Registered July 9, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed July 9, 1927.

63,847. PHOSPHATIC FERTILIZERS. Registered July 9, 1907. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed July 9, 1927.

63,901. TRACING CLOTH. Registered July 16, 1907. THE WINTERBOTTOM BOOK CLOTH COMPANY, Manchester, England, a Corporation of Great Britain. Renewed July 16, 1927.

64,839. RUBBER VEHICLE TIRES. Registered August 27, 1907. SHAWMUT TIRE COMPANY, Boston, Mass. Renewed August 27, 1927, to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts, assignee.

64,898. COMBINATION FILLERS AND STAINS. Registered August 27, 1907. THE MARIETTA PAINT & COLOR CO., Marietta, Ohio, a Corporation of Ohio. Renewed August 27, 1927.

65,246. WHEAT FLOUR. Registered September 17, 1907. MOSELEY & MOTLEY MILLING CO., Rochester, N. Y., a Corporation of New York. Renewed September 17, 1927.

65,447. CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered September 24, 1907. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a Corporation of Ohio. Renewed September 24, 1927.

65,656. CARTRIDGES, LOADED SHELLS, CAPS, PRIMERS, AND POWDER. Registered October 15, 1907. THE PETERS CARTRIDGE COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed October 15, 1927.

65,675. SNUFF. Registered October 15, 1907. HERMAN GROYA. Renewed October 15, 1927, to Fred Groya, Chicago, Ill., successor.

65,707. SILK AND SILK-MIXED PIECE GOODS. Registered October 15, 1907. SUSQUEHANNA SILK MILLS. Renewed October 15, 1927, to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York, assignee.

65,715. PUNCHES HAVING A CUTTING EDGE. Registered October 22, 1907. B. LAWRENCE STATIONERY COMPANY, New York, N. Y., a Corporation of New York. Renewed October 22, 1927.

65,915. SUGAR. Registered October 29, 1907. ROCKWOOD BROTHERS COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 29, 1927.

65,949. NOZZLES. Registered October 29, 1907. HOWARD B. SHERMAN, Battle Creek, Mich. Renewed October 29, 1927.

65,990. CERTAIN FISHING TACKLE. Registered November 5, 1907. THE E. A. PFLUEGER COMPANY. Renewed November 5, 1927, to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio, assignee.

65,991. CERTAIN HARNESS TRIMMINGS. Registered November 5, 1907. THE E. A. PFLUEGER COMPANY. Renewed November 5, 1927, to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio, assignee.

LABELS

REGISTERED JUNE 14, 1927.

32,274.—*Title:* FRANKLIN CLUB. For Cigars. BENJAMIN FRANKLIN CIGAR MFG. CO. INC., Philadelphia, Pa. Published December 30, 1926.

32,275.—*Title:* BOSCH SPARK PLUG. For Spark Plugs. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany. Published April 13, 1927.

32,276.—*Title:* CAMPANA'S ITALIAN BALM. For Skin-Softening Preparation. CAMPANA CORPORATION, Batavia, Ill. Published April 12, 1927.

32,277.—*Title:* CAMPANA'S ITALIAN BALM. For Skin-Softening Preparation. CAMPANA CORPORATION, Batavia, Ill. Published April 12, 1927.

32,278.—*Title:* SILVER BELL. For Oranges. CANOGA CITRUS ASSOCIATION, Owensmouth, Calif. Published April 1, 1927.

32,279.—*Title:* TWILIGHT. For Oranges. CANOGA CITRUS ASSOCIATION, Owensmouth, Calif. Published April 1, 1927.

32,280.—*Title:* CANOGA. For Oranges. CANOGA CITRUS ASSOCIATION, Owensmouth, Calif. Published April 1, 1927.

32,281.—*Title:* SUGARSWEET. For Canned Peaches. E. CLEMENS HORST CO., San Francisco, Calif. Published May 2, 1927.

32,282.—*Title:* FARMPACK. For Canned Peaches. E. CLEMENS HORST CO., San Francisco, Calif. Published May 2, 1927.

32,283.—*Title:* HORST'S. For Canned Peaches. E. CLEMENS HORST CO., San Francisco, Calif. Published May 2, 1927.

32,284.—*Title:* FRESHPACK. For Canned Peaches. E. CLEMENS HORST CO., San Francisco, Calif. Published May 2, 1927.

32,285.—*Title:* CRISP-O. For Iceberg Lettuce. COCHRAN-TURNEY-CRISPO, INC., New York, N. Y., and Los Angeles, Calif. Published May 12, 1927.

32,286.—*Title:* ALACHUA COUNTY PRIDE, U. S. NO. 1. For Fresh Cucumbers. GAINESVILLE FARMERS ASSOCIATION, INC., Gainesville, Fla. Published May 2, 1927.

32,287.—*Title:* ALACHUA COUNTY PRIDE, U. S. FANCY NO. 1. For Fresh Cucumbers. GAINESVILLE FARMERS ASSOCIATION, INC., Gainesville, Fla. Published May 2, 1927.

32,288.—*Title:* DROMEDARY DATES. For Dates. THE HILLS BROTHERS COMPANY, New York, N. Y. Published April 25, 1927.

32,289.—*Title:* COUNTRY CLUB. For Coffee. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Published January 1, 1921.

32,290.—*Title:* SONNY. For Boys' Handkerchiefs. S. W. MAGNUS & COMPANY, New York, N. Y. Published January 15, 1926.

32,291.—*Title:* STROMBOLI. For Macaroni. GIUSEPPE MONTAPERTO, Brooklyn, N. Y. Published March 9, 1927.

32,292.—*Title:* HORSE SHOE. For Canned Tomatoes. ROY NELSON, doing business as Roy Nelson Canning Co., Crane, Mo. Published April 1, 1927.

32,293.—*Title:* JACKSON BRAND. For Malt Extract. G. ONORATO, doing business as Union Products Co., New Orleans, LA. Published May 26, 1926.

32,294.—*Title:* PEASANT. For Oranges. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif. Published April 15, 1927.

32,295.—*Title:* KEYSTONE. For Shirts and Nightshirts. SMITH-MCCORD-TOWNSEND DRY GOODS CO., doing business as Smith-McCord-Townsend Co. and as Smith-McCord-Townsend D. G. Co., Kansas City, Mo. Published February 18, 1927.

32,296.—*Title:* STRATFORD CHOCOMIX. For Prepared Chocolate and Cocoa Powder. STRATFORD CHOCOLATE COMPANY, INC., Baltimore, Md. Published April 21, 1927.

32,297.—*Title:* SILVER CORD. For Lemons. TEAGUE-MCKEVETT CO., Santa Paula, Calif. Published April 2, 1927.

32,298.—*Title:* COMPASS. For Lemons. TEAGUE-MCKEVETT CO., Santa Paula, Calif. Published April 2, 1927.

32,299.—*Title:* PITCHER. For Lemons. TEAGUE-MCKEVETT CO., Santa Paula, Calif. Published April 2, 1927.

32,300.—*Title:* FOUNTAIN. For Lemons. TEAGUE-MCKEVETT CO., Santa Paula, Calif. Published April 2, 1927.

PRINTS

REGISTERED JUNE 14, 1927.

9,914.—*Title:* MILLIONS KNOW WHAT THEY WANT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 12, 1927.

9,915.—*Title:* MARK IT EVERY MARKET-DAY. For Coffee. A. ENGELHARD & SONS CO., Louisville, Ky. Published April 1, 1927.

9,916.—*Title:* BAIRD'S PEERLESS HOCKING. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

9,917.—*Title:* MAMMOTH POMEROY BLOCK. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

9,918.—*Title:* W. S. H. POCAHONTAS. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

9,919.—*Title:* W. S. H. SOOTLESS. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

9,920.—*Title:* THE NEST BUILDER. For Homes. FRANCIS J. HINKEL, Canton, Ohio. Published April 15, 1927.

9,921.—*Title:* HOPKINSON & HAIGH'S SCOTCH HAMS. For Hams. HOPKINSON & HAIGH, Philadelphia, Pa. Published May 6, 1927.

9,922.—*Title:* LA FRANCE. For Laundry Tablets. LA FRANCE MANUFACTURING COMPANY, Philadelphia, Pa. Published April 22, 1927.

9,923.—*Title:* DEAR ANCIENT. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published February 12, 1927.

9,924.—*Title:* MASTER OF THE HOURS. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published January 15, 1927.

9,925.—*Title:* PROLOGUE. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published December 18, 1926.

9,926.—*Title:* ON BUYING PEARLS. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published November 20, 1926.

9,927.—*Title:* THAT UNCONQUERABLE CRYSTAL. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published October 23, 1926.

9,928.—*Title:* THAT CERTAIN COLOR. For Jewelry. MARCUS & COMPANY, New York, N. Y. Published October 1, 1926.

9,929.—*Title:* PEP-O-CHEESE. For Cheese. PEPPY-CHEESE CO., NOT INC., Chicago, Ill. Published April 21, 1927.

9,930.—*Title:* TREASURE. For Groceries. REID, MURDOCH & Co., Chicago, Ill. Published May 3, 1927.

9,931.—*Title:* MODERN SMOKING PLEASURE THAT NEVER FAILS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 1, 1927.

9,932.—*Title:* YOU CAN QUOTE ME ON THIS. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 28, 1927.

9,933.—*Title:* YOUR TONGUE SAYS: 'THANK YOU!' For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 28, 1927.

9,934.—*Title:* THIS MODERN AGE KNOWS THAT CAMEL GOODNESS IS DEPENDABLE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 28, 1927.

9,935.—*Title:* GOODNESS MADE CAMEL FAMOUS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 16, 1927.

9,936.—*Title:* P. A.—THE PASSWORD TO PIPE PLEASURE. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 14, 1927.

9,937.—*Title:* P. A. FOR CIGARETTES? I SHOULD SAY 'YES!' For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 14, 1927.

9,938.—*Title:* MODERN TASTE REVELS IN THE GOODNESS OF CAMEL. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 14, 1927.

9,939.—*Title:* P. A. MEANS A LOT TO ME. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 30, 1927.

9,940.—*Title:* TO YOU—EXPERIENCED SMOKERS . . . For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published May 1, 1927.

9,941.—*Title:* CAMELS ARE SUPERB TOBACCOS IN A JOYOUS BLEND. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 27, 1927.

9,942.—*Title:* THESE MODERNS DEMAND CAMELS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 29, 1927.

9,943.—*Title:* CAMEL'S FRIENDS KNOW AND DEMAND CHOICE TOBACCOS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 13, 1927.

9,944.—*Title:* YOU CAN HAVE YOUR PRIVATE YACHT. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 11, 1927.

9,945.—*Title:* MODERN PREFERENCE FINDS ITS CHOICE IN CAMEL. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 11, 1927.

9,946.—*Title:* YOU'D THINK P. A. WAS ON WHEELS! For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 11, 1927.

9,947.—*Title:* WHY CAMEL LEADS THE WORLD. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 1, 1927.

9,948.—*Title:* FIRST WITH THE MODERN AGE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 1, 1927.

9,949.—*Title:* I USUALLY PICK A WINNER. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 19, 1927.

9,950.—*Title:* P. A. SURE DOES THINGS TO A PIPE. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 2, 1927.

9,951.—*Title:* LEAD ME TO P. A. EVERY TIME. For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 16, 1927.

9,952.—*Title:* THE ROSSID LACERATES THE PAPER AND INKS THE SHREDDED EDGES. For Pocket Check Protectors. ROSSID MANUFACTURING CORPORATION, Orlando, Fla. Published February 17, 1927.

9,953.—*Title:* A WINNER FOR GROCERS! FLIT. For Insecticide. STANCO DISTRIBUTORS, INCORPORATED, Wilmington, Del. Published May 1, 1927.

9,954.—*Title:* KILL MOTHS WITH FLIT—DOES NOT STAIN. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published March 1, 1927.

9,955.—*Title:* COLDS, COUGHS, CATARRH—MISTOL. For Nose and Throat Spray. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published March 1, 1927.

9,956.—*Title:* HAY FEVER ITS CAUSE, PREVENTION AND RELIEF MISTOL. For Nose and Throat Spray. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published May 1, 1927.

9,957.—*Title:* WE SPECIALIZE IN CHROME VANADIUM STEEL. For Automobile Springs. STANDARD SPRING CO., Chicago, Ill. Published June 2, 1926.

9,958.—*Title:* TODAY ONLY. For Publications. THOMAS D. TAYLOR, Philadelphia, Pa. Published April 30, 1927.

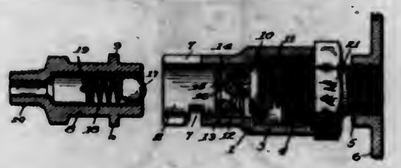
9,959.—*Title:* TOM DICK & HARRY. For Boots, Shoes, and Rubbers. TOM DICK & HARRY OF MASS. INC., New York, N. Y. Published January 20, 1927.

9,960.—*Title:* THE PACKING THAT PACKS ALL. For Packing Material. WALKER & FORBES, INC., Mamaroneck, N. Y. Published May 1, 1927.

REISSUES

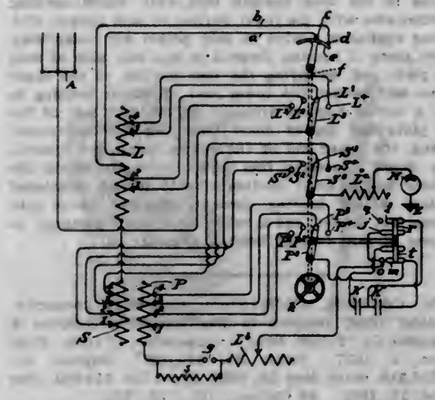
JUNE 14, 1927.

16,650. VALVED COUPLING FOR LUBRICATORS. HERBERT H. HOUGHTON, Los Angeles, Calif., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 17, 1923. Serial No. 681,307. Original No. 1,342,678, dated June 8, 1920, Serial No. 351,984, filed Jan. 17, 1920. 7 Claims. (Cl. 221—47.4.)



1. In a lubricator for injecting grease or oil under relatively high pressure into machine bearings through nipples associated with said bearings, the combination of a compression grease gun, a lubricant delivery connection carried by said gun for receiving said nipples, said lubricant delivery connection comprising a sleeve adapted to receive said nipples, said sleeve and nipples having interengaging means for forming a quickly detachable connection therebetween upon relative rotation of the two to resist separation of the two by relative non-rotative movement under the pressure of the lubricant created by said gun, a gasket mounted in said sleeve, and co-acting with said nipples for making fluid tight the connection between said nipples and said sleeve, a valve seat on said sleeve, an inwardly opening pressure retaining valve on said seat, and means forming a valve stem projecting through said seat and cooperating with said nipples for opening said valve when said nipples and sleeve are moved relatively to each other.

16,651. ADJUSTMENT OF WAVE LENGTHS. GEORGE H. CLARK, Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Apr. 20, 1920. Serial No. 375,381. Original No. 1,328,155, dated Nov. 25, 1919, Serial No. 2,799, filed Jan. 18, 1915. 13 Claims. (Cl. 250—40.)

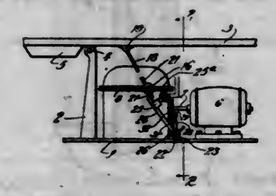


1. The combination with the primary and secondary of an oscillation transformer, of a variable inductance in circuit with one of them, a separate switch having connections with each of said primary, secondary and said inductance for varying them to simultaneously procure predetermined couplings between said primary and secondary and the requisite amount of inductance for each of a plurality of oscillation frequencies, and means common to all of said switches for actuating them in unison.

16,652. METHOD OF MAKING STRIP SHEETS. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio, assignors to Forged Steel Wheel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 25, 1927. Serial No. 186,559. Original No. 1,536,028, dated Apr. 28, 1925, Serial No. 583,612, filed Aug. 22, 1922. 5 Claims. (Cl. 148—12.)

5. The method of making a strip sheet from a strip, skelp, bar or the like, which consists in rapidly reducing the material by a plurality of drafts between cold rolls and then annealing the sheet by a continuous method.

16,653. ATTACHMENT FOR CHIROPRACTIC TABLE. DOSSA D. EVINS, Davenport, Iowa, assignor to Frank W. Elliott, Davenport, Iowa. Filed Aug. 4, 1926. Serial No. 127,190. Original No. 1,504,111, dated Aug. 5, 1924, Serial No. 419,122, filed Oct. 23, 1920. 14 Claims. (Cl. 128—73.)

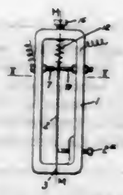


3. A chiropractic table comprising a base, supporting means upwardly projecting from said base, a table member pivoted on said supporting means for rotation about a horizontal axis, a motor associated with said base, a power shaft, power transmission means whereby movement of said shaft in a single direction may cause movement of said table member in reverse directions, and means for automatically terminating the movement of said shaft at the termination of the predetermined excursions of the table member, including a switch, and means, associated with such power transmission for opening the switch.

16,654. INSTANTANEOUS SWITCH. ARTHUR LEWERENZ, Berlin, Germany, assignor to The Firm Scherbius & Ritter, Wannsee, near Berlin, Germany. Filed Apr. 7, 1926. Serial No. 100,459. Original No. 1,516,195, dated Nov. 18, 1924, Serial No. 642,099, filed May 28, 1923. 12 Claims. (Cl. 200—138.)

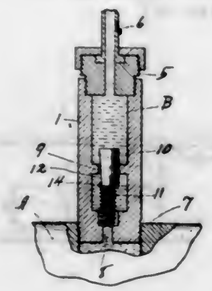
1. An instantaneous thermo-switch comprising a thermostatic strip arranged to flex in response to changes in temperature so as to occupy a given position at ordinary temperatures and to move away from said position upon

an increase in temperature, elastic means arranged to apply a force to said strip tending to hold said element in said position but to decreasingly resist the movement



of said strip away from said position, said elastic means having a single stationary point of support, and switching means operated by said strip.

16,655. LUBRICATING SYSTEM. GEORGE L. MOORE, Chicago, Ill. Filed Apr. 2, 1927. Serial No. 180,601. Original No. 1,587,849, dated June 8, 1926, Serial No. 74,432, filed Dec. 10, 1925. 13 Claims. (Cl. 184—7.)

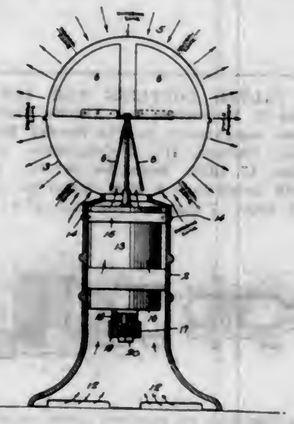


4. In a lubricating system for the chassis bearings of an automobile, a pump, a source of supply, a plurality of bearings, means connecting the pump with a source of supply, a conduit connecting the pump with the bearings and presenting a resistance to flow of oil and resistance means at each of said bearings to automatically compensate for differences in conduit resistance between each of said bearings and the pump.

13. A flow control fitting for lubricating systems comprising a body member having an inlet and an outlet connected by a bore, a filler member in said bore having a tapered portion and defining with an integral portion thereof a highly restricted passageway, normally closed valve means within said bore, one of the elements of said valve being integral with said filler member.

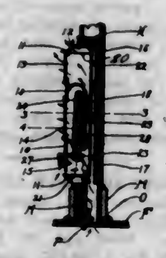
16,656. VENTILATING FAN. SOCRATES ANTHONY XIPAS, Pittsburgh, Pa. Filed Apr. 23, 1927. Serial No. 186,132. Original No. 1,577,280, dated Mar. 16, 1926, Serial No. 67,797, filed Nov. 9, 1925. 15 Claims. (Cl. 230—252.)

1. In a device of the class described, a rotary impeller, and an enclosing casing therefor, said casing having a medial zone and two polar zones of openings therein, said impeller including means whereby the air is drawn into said casing through the openings in the polar



zones and forced toward the medial zone, said means serving to discharge the air through the openings in the medial zone.

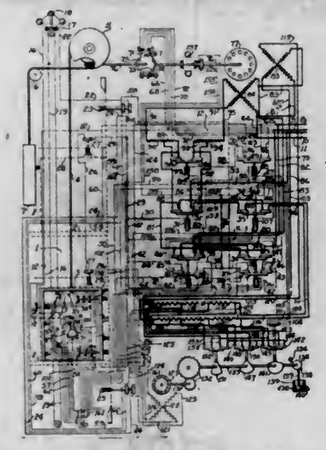
16,657. WALL FURNACE. JOHN S. ANDREWS, Los Angeles, Calif. Filed June 21, 1926. Serial No. 117,577. Original No. 1,582,657, dated Apr. 27, 1926, Serial No. 40,181, filed June 29, 1925. 14 Claims. (Cl. 126—92.)



1. The combination with a building wall in the lower portion of which is formed a pocket and there being an opening in the floor beneath said wall, which opening communicates with the lower portion of said pocket, of a heating appliance located in said pocket and comprising a face plate, a housing secured to the rear side of said face plate and occupying the rear portion of the space within said pocket the lower end of which housing is open, a second housing arranged on the rear side of the face plate and spaced apart from the first mentioned housing, the lower end of the second mentioned housing being closed, a gaseous fuel burner arranged within the chamber in the lower portion of said second mentioned housing, radiant heating elements disposed above said gaseous fuel burner, and a reflecting housing arranged to the rear of said radiant heating elements.

16,658. CONTROL MECHANISM. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Mar. 3, 1927. Serial No. 172,525. Original No. 1,585,518, dated May 18, 1926, Serial No. 514,584, filed Nov. 12, 1921. 48 Claims. (Cl. 172—152.)

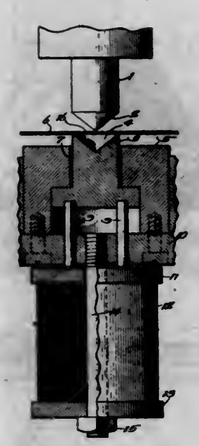
1. The combination with an elevator, a multi-speed alternating current motor for operating the elevator, said motor having a primary winding, a controller for the motor, a resistor for the motor in series with said primary winding, and means comprising a speed responsive switch for maintaining a short circuit across a portion



only of said resistor above a predetermined speed of the motor when said controller is shifted from motor actuating to motor stopping position.

16,659. DIE MECHANISM. MORRIS SCHWARTZ, Chicago, Ill., assignor of one-half to Winnifred B. Parish, Chicago, Ill. Filed Jan. 31, 1927. Serial No. 164,997. Original No. 1,613,961, dated Jan. 11, 1927, Serial No. 679,796, filed Dec. 10, 1923. 1 Claim. (Cl. 113—46.)

Die mechanism for shaping sheet material, including a support for the sheet material; a male die member in the form of a punch upon the exterior of said support and having a tapering working end; a female die member having a tapering cavity receiving the tapering end of the punch and normally received in an opening in said support, and in which opening both die members are reciprocable, and between which support and the punch member a clearance, substantially equal to the thickness of the

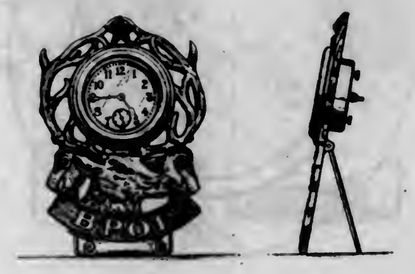


sheet material being operated upon, intervenes to receive the sheet material being worked upon; and means for maintaining clamping engagment of said die members with the sheet material after the initial punching operation, to enable the sheet material to be drawn by the die members into said clearance as said die members move together.

DESIGNS

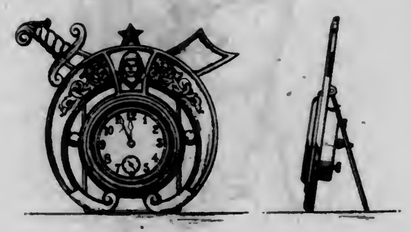
JUNE 14, 1927.

72,811. CLOCK CASING. LOUIS V. ARONSON, Newark, N. J. Filed Feb. 5, 1927. Serial No. 20,630. Term of patent 3½ years.



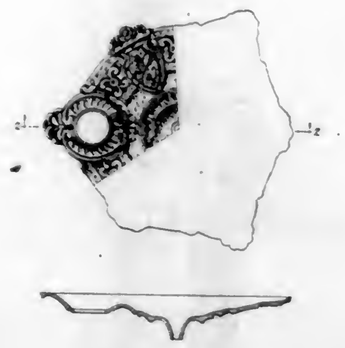
The ornamental design for a clock casing, as shown.

72,812. CLOCK CASING. LOUIS V. ARONSON, Newark, N. J. Filed Feb. 5, 1927. Serial No. 20,631. Term of patent 3½ years.



The ornamental design for a clock casing, as shown.

72,813. CEILING PLATE FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,163. Term of patent 3½ years.



The ornamental design for a ceiling plate for lighting fixtures, as shown.

72,814. LOOP FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,586. Term of patent 3½ years.



The ornamental design for a loop for lighting fixtures, as shown.

72,815. LOOP FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,587. Term of patent 3½ years.



The ornamental design for a loop for lighting fixtures, as shown.

72,816. PLATE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Mar. 14, 1927. Serial No. 21,141. Term of patent 14 years.



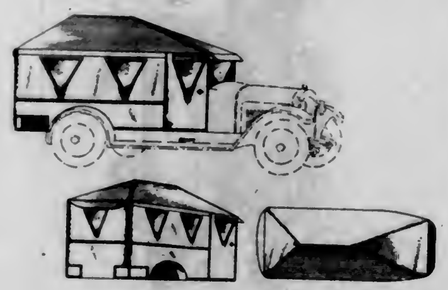
The ornamental design for a plate, as shown.

72,817. GOBLET. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Mar. 14, 1927. Serial No. 21,142. Term of patent 14 years.



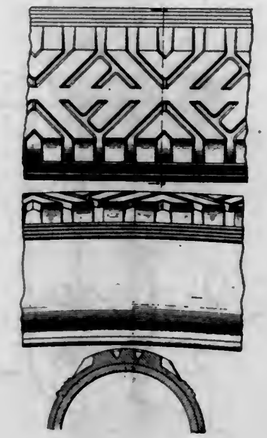
The ornamental design for a goblet, as shown.

72,818. AUTOMOBILE BODY. JAMES A. BRENT, Kalispell, Mont. Filed Oct. 23, 1926. Serial No. 19,453. Term of patent 14 years.



The ornamental design for an automobile body, as shown.

72,819. TIRE. TRUMAN S. CALDWELL, Racine, Wis., assignor to Racine Horseshoe Tire Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 15, 1927. Serial No. 20,773. Term of patent 3½ years.



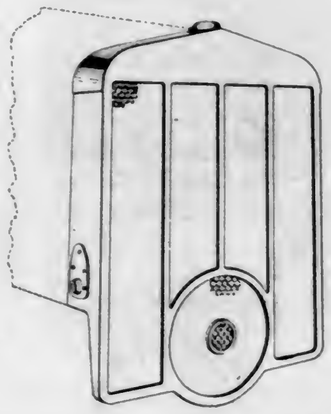
The ornamental design for a tire, substantially as shown.

72,820. COMBINED SMOKER'S STAND AND MAGAZINE RACK. FREDERICK B. CUSHMAN, North Bennington, Vt., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt., a Corporation of Vermont. Filed Mar. 14, 1927. Serial No. 21,130. Term of patent 3½ years.



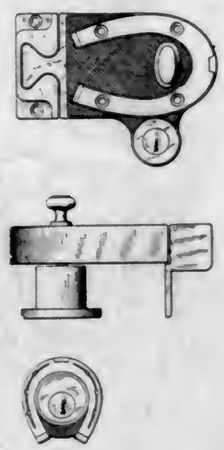
The ornamental design for a combined smoker's stand and magazine rack substantially as shown.

72,821. AUTOMOBILE RADIATOR OR THE LIKE. FRANK DE CAUSSE, New York, N. Y., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 17, 1925. Serial No. 12,751. Term of patent 3½ years.



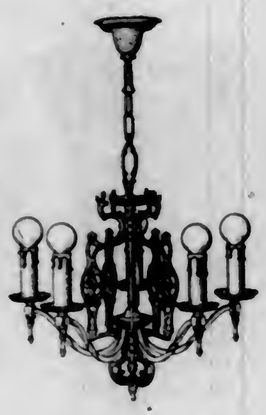
The ornamental design for an automobile radiator or the like substantially as shown.

72,822. DOOR LOCK. SAMUEL EDELSON, New York, N. Y. Filed Dec. 13, 1923. Serial No. 8,018. Term of patent 14 years.



The ornamental design for a door lock, as shown.

72,823. CHANDELIER. HARRY FINCH, Inglewood, Calif., assignor to Allied Metal Industries, Inc., a Corporation of California. Filed Apr. 12, 1927. Serial No. 21,565. Term of patent 3½ years.



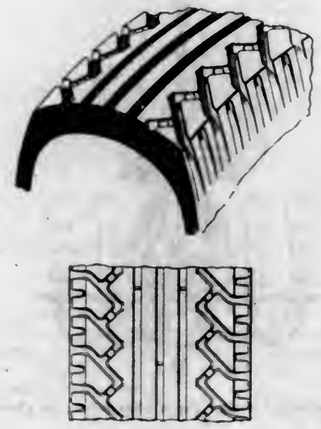
The ornamental design for a chandelier, as shown.

72,824. LIGHTING-FIXTURE BRACKET. HARRY FINCH, Inglewood, Calif., assignor to Allied Metal Industries, Inc., a Corporation of California. Filed Apr. 12. 1927. Serial No. 21,564. Term of patent 3½ years.



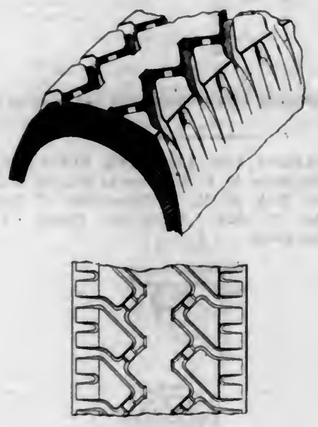
The ornamental design for a lighting fixture bracket, as shown.

72,825. TIRE. WALLACE R. GILLAM, Tallmadge, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Jan. 21, 1926. Serial No. 16,205. Term of patent 3½ years.



The ornamental design for a tire substantially as shown.

72,826. TIRE. WALLACE R. GILLAM, Tallmadge, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Jan. 21, 1926. Serial No. 16,206. Term of patent 3½ years.



The ornamental design for a tire substantially as shown.

72,827. GOBLET. FRANK D. GREENAN, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Mar. 14, 1927. Serial No. 21,133. Term of patent 14 years.



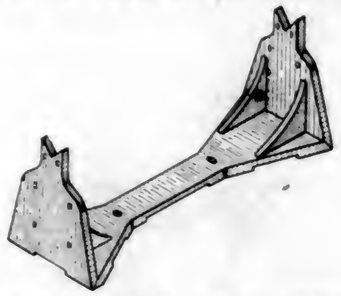
The ornamental design for a goblet, as shown.

72,828. TOY AUTOMOBILE. OSCAR HITT, Weehawken, N. J. Filed Feb. 10, 1927. Serial No. 20,677. Term of patent 7 years.



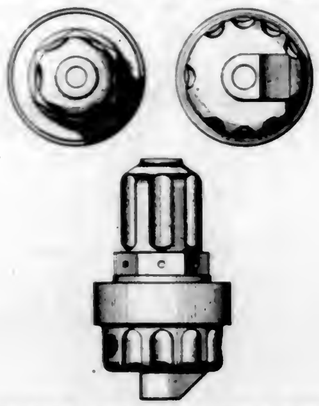
The ornamental design for a toy automobile substantially as shown.

72,829. MARINE-COMPASS BRACKET. PAUL C. KAUFFMAN, Seattle, Wash. Filed Mar. 18, 1924. Serial No. 8,982. Term of patent 7 years.



The ornamental design for a marine compass bracket as shown.

72,830. PRESSURE-REGULATOR CASING. ROBERT J. KEHL, Newark, N. J., assignor to Oxweld Acetylene Company, a Corporation of West Virginia. Filed Apr. 15, 1926. Serial No. 17,308. Term of patent 14 years.



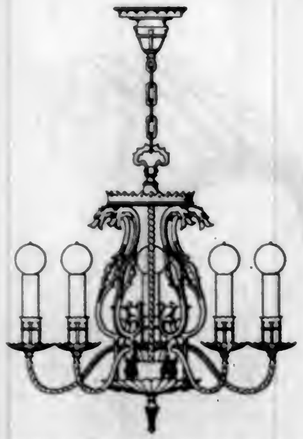
The ornamental design for a pressure regulator casing substantially as shown.

72,831. BOTTLE. CHANDLER KING, Chattanooga, Tenn. Filed Mar. 25, 1927. Serial No. 21,322. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

72,832. CHANDELIER. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927, Serial No. 21,009. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

72,833. ARM FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,010. Term of patent 3½ years.



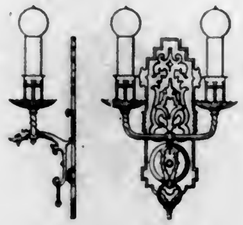
The ornamental design for an arm for lighting fixtures, as shown.

72,834. CANOPY FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,011. Term of patent 3½ years.



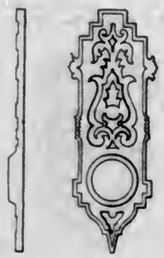
The ornamental design for a canopy for lighting fixtures, as shown.

72,835. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,012. Term of patent 3½ years.



The ornamental design for a wall bracket, as shown.

72,836. BRACKET BACK FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,013. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

72,837. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,014. Term of patent 3½ years.



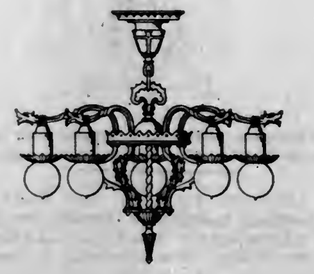
The ornamental design for a wall bracket, as shown.

72,838. BRACKET BACK FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,015. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

72,839. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,016. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

72,840. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,017. Term of patent 3½ years.



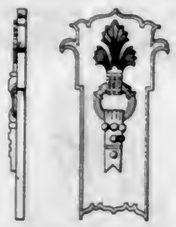
The ornamental design for a wall bracket, as shown.

72,841. BRACKET BACK FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,018. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

72,842. BRACKET BACK FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,020. Term of patent 3½ years.



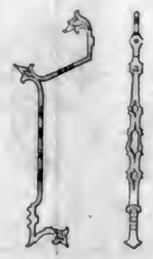
The ornamental design for a bracket back for lighting fixtures, as shown.

72,843. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,021. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

72,844. ARM FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,022. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

72,845. PLATE FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,023. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures, as shown.

72,846. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,024. Term of patent 3½ years.



The ornamental design for a wall bracket, as shown.

72,847. BRACKET BACK FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,025. Term of patent 3½ years.



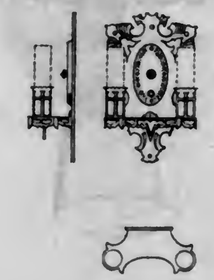
The ornamental design for a bracket back for lighting fixtures, as shown.

72,848. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,026. Term of patent 3½ years.



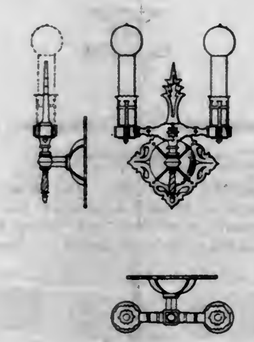
The ornamental design for a wall bracket, as shown.

72,849. BRACKET BACK FOR LIGHTING FIXTURES. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,027. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

72,850. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,028. Term of patent 3½ years.



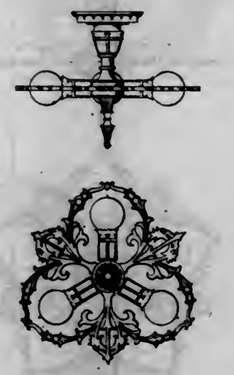
The ornamental design for a wall bracket, as shown.

72,851. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,029. Term of patent 3½ years.



The ornamental design for a wall bracket, as shown.

72,852. CEILING LIGHT. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,030. Term of patent 3½ years.



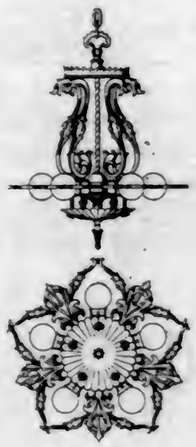
The ornamental design for a ceiling light, as shown.

72,853. CEILING LIGHT. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,031. Term of patent 3½ years.



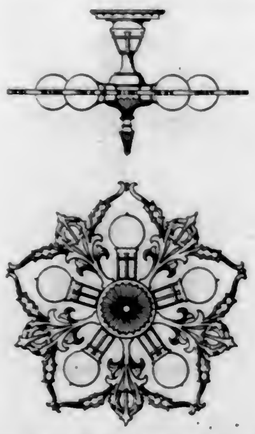
The ornamental design for a ceiling light, as shown.

72,854. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,032. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

72,855. LIGHTING FIXTURE. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,033. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

72,856. LAMP SHADE OR ANALOGOUS ARTICLE OF MANUFACTURE. ARTHUR R. KRAUSE, Woodhaven, and FREDERICK W. MATHIEU, New York, N. Y. Filed Dec. 15, 1924. Serial No. 11,705. Term of patent 7 years.



The ornamental design for a lamp shape or analogous article of manufacture, substantially as shown and described.

72,857. LAMP SHADE OR ANALOGOUS ARTICLE OF MANUFACTURE. ARTHUR R. KRAUSE, Woodhaven, and FREDERICK W. MATHIEU, New York, N. Y. Filed Dec. 15, 1924. Serial No. 11,706. Term of patent 7 years.



The ornamental design for a lamp shade or analogous article of manufacture, substantially as shown and described.

72,858. LAMP SHADE OR ANALOGOUS ARTICLE OF MANUFACTURE. ARTHUR R. KRAUSE, Woodhaven, and FREDERICK W. MATHIEU, New York, N. Y. Filed Dec. 15, 1924. Serial No. 11,707. Term of patent 7 years.



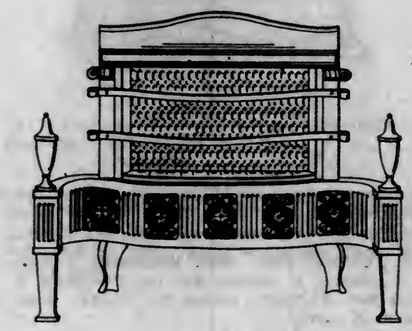
The ornamental design for a lamp shade or analogous article of manufacture, substantially as shown.

72,859. LAMP SHADE OR ANALOGOUS ARTICLE OF MANUFACTURE. ARTHUR R. KRAUSE, Woodhaven, and FREDERICK W. MATHIEU, New York, N. Y. Filed Dec. 15, 1924. Serial No. 11,708. Term of patent 7 years.



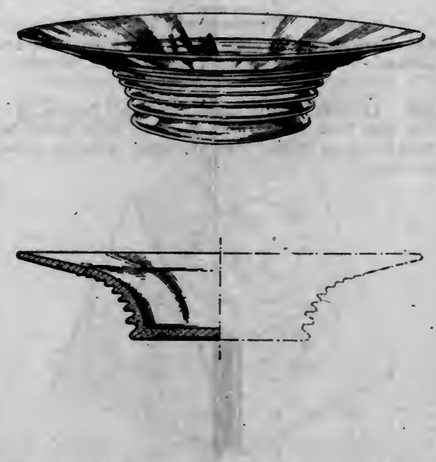
The ornamental design for a lamp shade or analogous article of manufacture, substantially as shown.

72,860. RADIANT HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Apr. 11, 1927. Serial No. 21,533. Term of patent 3½ years.



The ornamental design for a radiant heater, substantially as shown.

72,861. BOWL. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Feb. 18, 1927. Serial No. 20,805. Term of patent 14 years.



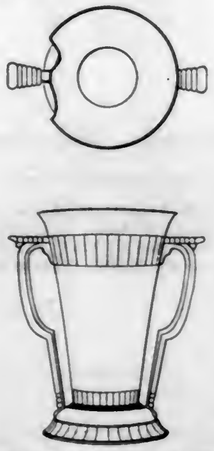
The ornamental design for a bowl as shown.

72,862. COMPORT. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Feb. 18, 1927. Serial No. 20,806. Term of patent 14 years.



The ornamental design for a comport as shown.

72,863. LOVING CUP. ERIK MAGNUSSEN, Providence, R. I., assignor to Gorham Mfg. Co., Providence, R. I. Filed Mar. 21, 1927. Serial No. 21,244. Term of patent 14 years.



The ornamental design for a loving cup, as shown and described.

72,864. LIP-STICK HOLDER. CHARLES LIONEL MARCUS, New York, N. Y. Filed Sept. 11, 1924, Serial No. 10,736, and in France Mar. 17, 1924. Term of patent 14 years.



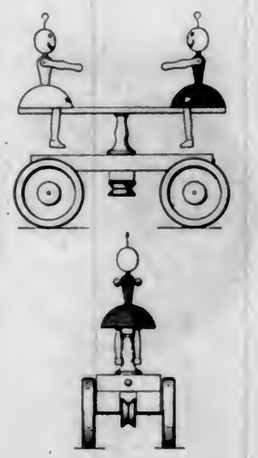
The ornamental design for a lip stick holder as shown and described.

72,865. STOCKING. IRENE PATTERSON, Trinidad, Colo. Filed Nov. 30, 1926. Serial No. 19,889. Term of patent 3½ years.



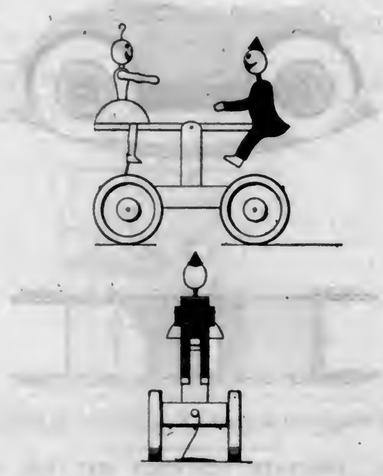
The ornamental design for a stocking, as shown.

72,866. WHEELED TOY. THOMAS E. POWERS, New York, N. Y. Filed Feb. 12, 1927. Serial No. 20,728. Term of patent 3½ years.



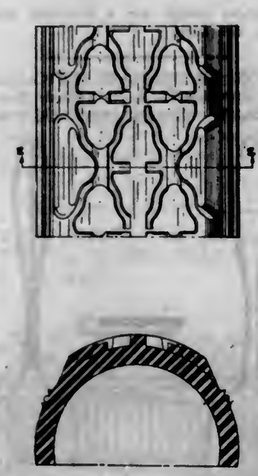
The ornamental design for a wheeled toy substantially as shown.

72,867. WHEELED TOY. THOMAS E. POWERS, New York, N. Y. Filed Feb. 12, 1927. Serial No. 20,729. Term of patent 3½ years.



The ornamental design for a wheeled toy, substantially as shown.

72,868. TIRE. BENJAMIN H. PRATT, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 20, 1925. Serial No. 15,486. Term of patent 14 years.



The ornamental design for a tire substantially as shown.

72,869. CABINET FOR RADIO RECEIVING APPARATUS. EDWIN S. PRIDHAM and PETER L. JENSEN, Oakland, Calif., assignors to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Sept. 17, 1924. Serial No. 10,797. Term of patent 3½ years.



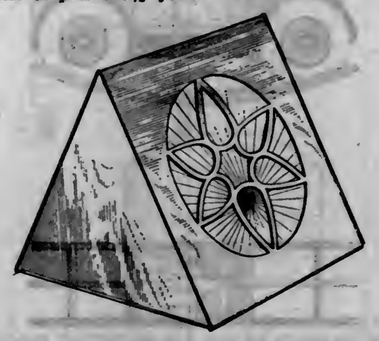
The ornamental design for a cabinet for radio receiving apparatus, substantially as shown.

72,870. BOX OR SIMILAR CONTAINER. JOSEPH N. ROYAL, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada, a Corporation of Ontario. Filed Feb. 28, 1927. Serial No. 20,929. Term of patent 14 years.



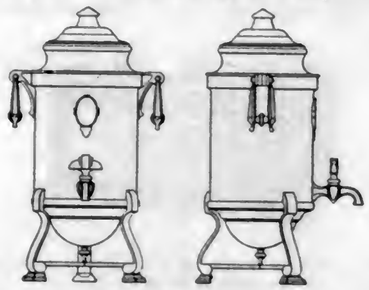
The ornamental design for a box or similar container as shown.

72,871. CONE SPEAKER. MAURICE C. RYPINSKI, Yonkers, LE ROY W. STAUNTON, Jackson Heights, and STEPHEN BOURNE, New York, N. Y., assignors to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Mar. 10, 1926. Serial No. 16,867. Term of patent 3½ years.



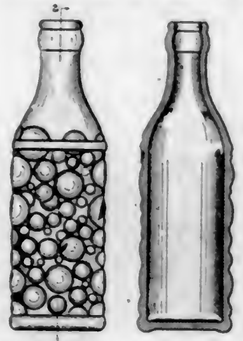
The ornamental design for a cone speaker as shown.

72,872. URN. HOWARD H. SCHOTT, Rochester, N. Y., assignor to Robeson-Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,574. Term of patent 7 years.



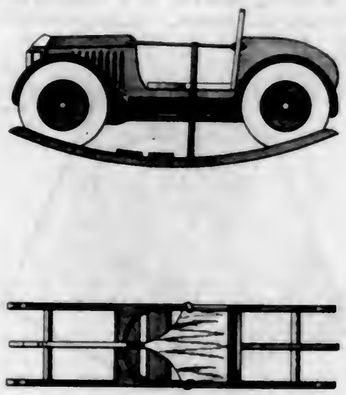
The ornamental design for an urn as shown.

72,873. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1924. Serial No. 12,516. Term of patent 14 years.



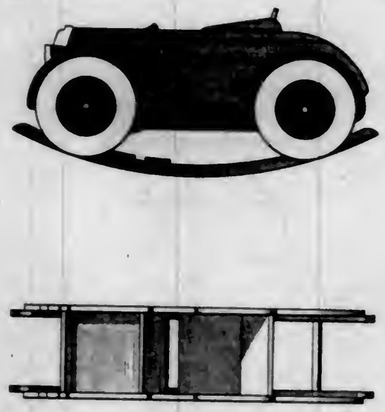
The ornamental design for a bottle, substantially as shown.

72,874. ROCKING TOY. ADOLPH SUNDBECK, Minneapolis, Minn., assignor to The Photo Plating Company, Minneapolis, Minn., a Corporation of South Dakota. Filed Mar. 5, 1927. Serial No. 20,988. Term of patent 3½ years.



The ornamental design for a rocking toy, as shown.

72,875. ROCKING TOY. ADOLPH SUNDBECK, Minneapolis, Minn., assignor to The Photo Plating Company, Minneapolis, Minn., a Corporation of South Dakota. Filed Mar. 5, 1927. Serial No. 20,989. Term of patent 3½ years.



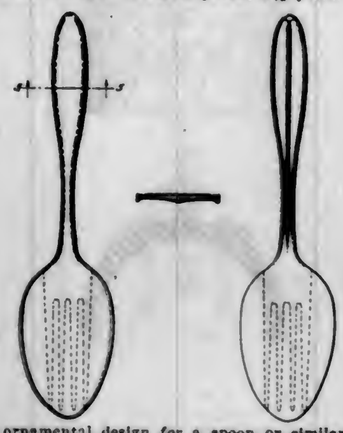
The ornamental design for a rocking toy, as shown.

72,876. DECORATE LUNCHEON MAT FOR HOT PLATES. MELVILLE TANNENHOLZ, Brooklyn, N. Y. Filed Apr. 12, 1927. Serial No. No. 21,561. Term of patent 3½ years.



The ornamental design for a decorate luncheon mat for hot plates, as shown.

72,877. SPOON OR SIMILAR ARTICLE. FRANK S. TRUMBULL, Providence, R. I. Filed Mar. 23, 1927. Serial No. 21,279. Term of patent 3½ years.

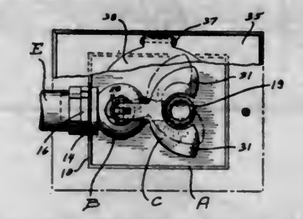


The ornamental design for a spoon or similar article, as shown.

PATENTS

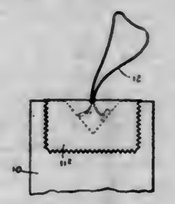
GRANTED JUNE 14, 1927.

1,631,953. GAS-OUTLET FIXTURE. HORACE C. ANDERSON, Amarillo, Tex. Filed June 1, 1926. Serial No. 119,978. 9 Claims. (Cl. 137—13.)



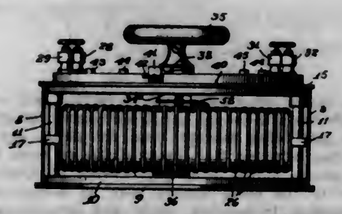
1. An outlet fixture comprising a housing having an open side, a valve embodying a nipple portion mounted in the housing, and operating means for the valve movable into the housing only when the valve is closed.

1,631,954. TICKET AND SECURING MEANS THEREFOR. MARCUS B. BEHRMAN, New York, N. Y., assignor to The Lox Seal Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 12, 1925. Serial No. 55,909. 4 Claims. (Cl. 40—21.)



1. In a device of the character deacribed, a marking ticket having a portion thereof removed along one edge to form a space therewithin and sheet material means engaging both sides of the ticket for completely enclosing said space for forming a pocket within the outlines of the marking ticket.

1,631,955. TRANSFORMER. CARL BERGMAN, Bergenfield, N. J. Filed Apr. 12, 1924. Serial No. 706,016. 6 Claims. (Cl. 171—119.)



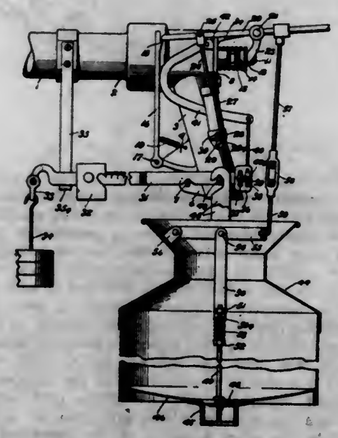
1. A device of the character described comprising a casing provided with a pair of casing heads, a plurality of posts each extending through said casing and connected with both of said casing heads, a transformer core having a general annular form and provided with openings, members of insulating material disposed within said openings and extending therefrom, said members of insulating material being connected with said posts for the purpose of supporting said core by aid thereof, transformer windings mounted upon said core and insulated therefrom, and mechanism mounted upon one of said casing heads and connected with said transformer windings for enabling the operator to control said transformer windings.

1,631,956. HEMMER. ALBERT HARRISON DE VOE, Westfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 20, 1924. Serial No. 738,746. 3 Claims. (Cl. 112—141.)



1. A hemmer comprising a hem-folding scroll formed as a diminishing spiral terminating in a hollow arbor having an inner free edge extending spirally toward the delivery end of the hemmer, said scroll including a work-supporting platform disposed mainly in advance of said arbor, said platform and the body of the hem-folding scroll having a front edge extending spirally rearwardly toward the delivery end of the hemmer and merging into the front edge of said arbor, which latter front edge continues spirally forwardly to the front end of said arbor.

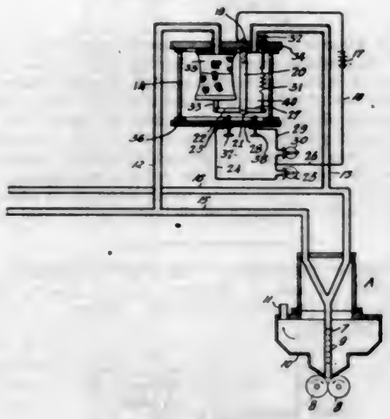
1,631,957. AUTOMATIC LIQUID-WEIGHING MACHINE. JAMES J. FORTIER, Grand Rapids, Mich. Filed Apr. 23, 1924. Serial No. 708,368. 5 Claims. (Cl. 249—53.)



1. In a machine of the class described, a member having a passage therethrough and provided at one end with a downwardly extending nozzle, a valve in said member,

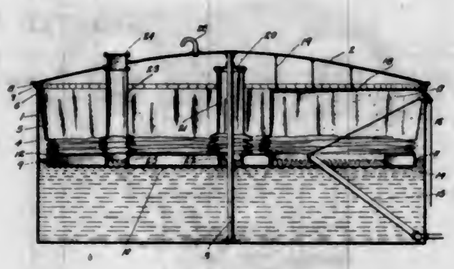
spring means acting on the valve to normally move it to closed position, a scale beam pivotally mounted between its ends on said nozzle, weights at one end of the beam, a receptacle suspended from the scale beam adjacent its other end, an outlet to said receptacle at the bottom thereof, a closure movably mounted to open or close said outlet, manually operable means for moving said valve to open position, means connecting the manually operated means and said outlet closure whereby the closure is moved to closed position when the valve is moved to open position and vice versa, latch means for holding the said manually operable means in position to keep said valve in open position, and means connected with the end of the scale beam opposite the end at which the weights are mounted for acting on said latch means to move it to free said manually operated means when the weight of liquid passed to the receptacle overbalances said weights carried on the scale beam, substantially as described.

1,631,958. PNEUMATIC RELAY. EDGAR W. GENT, Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 12, 1923. Serial No. 680,171. 2 Claims. (Cl. 200—81.)



1. A pneumatic relay comprising a sealed chamber, a bellows within said chamber mounted in an upright position and constructed to assume a collapsible position when its inner pressure is less than that of said chamber, a support within the chamber for rigidly supporting the bellows at its top, a base for the free end of said bellows made of comparatively heavy material, a lever pivoted at or near its mid-point with one end secured to the bottom of said bellows so that when the pressure within said bellows is less than the pressure within said chamber said lever is moved in one direction by the collapse of the bellows and, when the pressure within said bellows is greater than the pressure within said chamber, said lever is moved in the other direction by the expansion of the bellows and the weight of the base of the bellows, and electrical contacts operated by the movement of said lever to control signals to indicate the position of greatest pressure.

1,631,959. OIL TANK. CLIFTON A. GLASS, Kansas City, Mo. Filed Mar. 28, 1924. Serial No. 702,600. 6 Claims. (Cl. 220—26.)



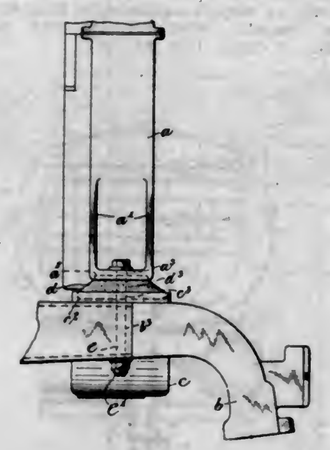
1. A liquid container, a substantially vertical curtain secured at its upper edge to the inside of the container and a metallic float sealed to the lower portion of the curtain around its outer edge, the float having an opening therein for the reception of a swing pipe and a supplemental curtain closing off communication between the opening and the upper portion of the container.

1,631,960. HOCKEY STICK. ZACHARIAH ADAM HALL, Hespeler, Ontario, Canada. Filed Nov. 26, 1924. Serial No. 752,445. 3 Claims. (Cl. 273—67.)



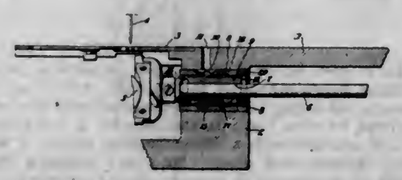
1. A hockey stick comprising a handle part one edge of which has a V-shaped notch interjacent its ends, said handle part being tapered from the notch and a corresponding point on the opposite edge to form an elongated tongue, and a blade part having an integral arm angular to the blade formed with an elongated recess corresponding in location, shape and dimensions to the tongue of the handle part, said tongue entered in the elongated recess and extending to the throat of the blade, and one of the forks of the arm formed by said recess entered in the notched edge of the handle part.

1,631,961. RADIATOR MOUNT. JOHN W. HEINEY, Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 18, 1923. Serial No, 652,257. 1 Claim. (Cl. 180—68.)



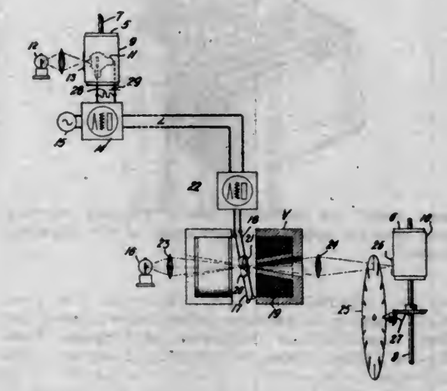
A wholly non-metallic connection and support interposed between a vehicle frame and a radiator, comprising a block of yielding non-metallic material at either side of the radiator having parallel upper and lower faces, the lower face of said block being greater in area than the upper face and the forward and rearward superficial areas of said block extending downwardly and outwardly, co-operating depressed seats for the block on the vehicle frame and radiator to receive snugly the bottom and top of the block, respectively, and a bolt passing through the seats and the block to maintain the block under compression and against displacement whereby pivotal movement of the radiator about the support will cause a distortion of that portion of the block between the two seats and added resistance will be applied to resist such pivotal movement.

1,631,962. SHAFT BEARING. MARTIN HEMLEB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed July 16, 1923. Serial No. 651,802. 3 Claims. (Cl. 308—240.)



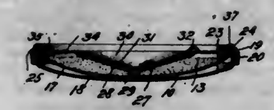
1. A bearing bushing comprising a sleeve formed in its outer surface with a depression constituting an oil-pocket, and separate capillary oil-supply and gravity return ducts connecting said pocket with the inner or bearing surface of the bushing.

1,631,963. TRANSMISSION OF PICTURES BY ELECTRICITY. HERBERT E. IVES, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923. Serial No. 683,632. 10 Claims. (Cl. 178—7.)



1. A light valve comprising means to produce a magnetic field of uniform strength, a member having a V-shaped edge located in said field, a second member also having a V-shaped edge suspended in said magnetic field and adapted to move relatively to said first mentioned member so as to form a square aperture of varying size.

1,631,964. VANITY CASE. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Metal Specialties, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 30, 1926. Serial No. 98,416. 7 Claims. (Cl. 132—83.)

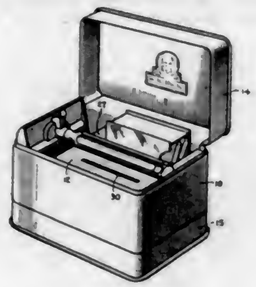


1. In a vanity case, a powder container, a cover therefor, and a powder sifter mounted on the cover, said powder sifter extending a substantial distance below the level of the powder in the powder container and including an arcuately movable closure plate.

1,631,965. CONTAINER. JOSEPH KAUFMAN, New York, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed Oct. 3, 1924. Serial No. 741,377. 3 Claims. (Cl. 206—16.)

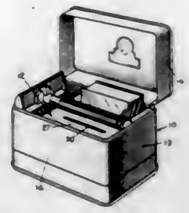
1. In a device of the character described, a container made up of a plurality of sections, each section being in the form of a metal stamping, having a continuous front, side and rear wall construction and a flange extending inwardly therefrom and continuous with the walls, the sections being assembled with the flanges in contact, whereby the container is formed with its interior divided

by the flanges into upper and lower compartments, and means associated with the flanges for complete, dividing partition between the compartments, a flexible covering



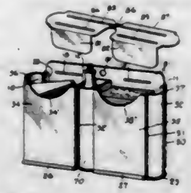
passed about the container and a finishing covering passed over the upper and lower edges of the assembled sections.

1,631,966. CONTAINER. JOSEPH KAUFMAN, New York, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 17, 1924. Serial No. 756,471. 2 Claims. (Cl. 206—16.)



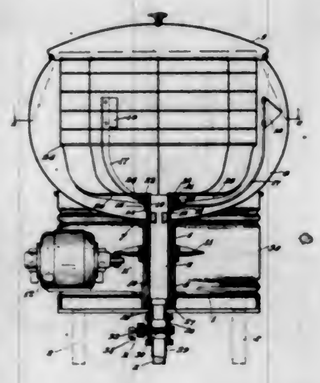
2. In a device of the character described, a container having a body portion open at its opposite ends, closures for said open ends, a partition associated with the body portion and intermediate the open ends thereof whereby superimposed compartments are formed, a saddle block in one of the compartments to receive parts of the shaving apparatus and a coin slot through the saddle block leading to the other compartment and means for locking the coin compartment, said closures including a stamping having continuous side walls and a flange, predetermined portions of which are cut away, and a closure base member having struck up portions adapted to engage the flange at the cut away portions thereof.

1,631,967. CONTAINER. JOSEPH KAUFMAN, Bronxville, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 29, 1925. Serial No. 5,491. 9 Claims. (Cl. 206—16.)



1. A safety razor container comprising a plurality of compartments, adjacent walls being formed to provide a depression therebetween, and another compartment adapted to be supported in said depression exteriorly of the first mentioned compartments with its walls contacting with the walls aforesaid, and means for interconnecting said walls.

1,631,968. DISHWASHING MACHINE. THOMAS J. KEHOE, Toledo, and MICHAEL J. KEHOE, London, Ohio, assignors, by mesne assignments, to Cascade Manufacturing Company. Filed Dec. 19, 1923. Serial No. 681,542. 7 Claims. (Cl. 141—9.)



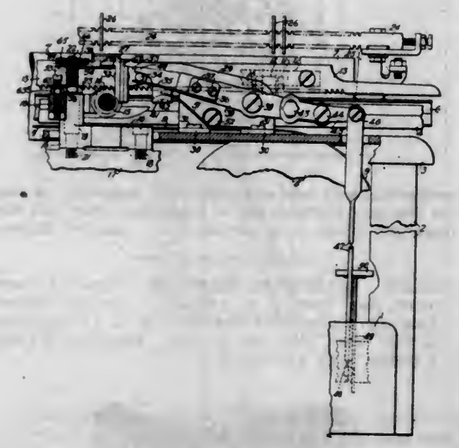
1. In a washing machine, a tank, means to rotate the tank about a vertical axis, an article holder within the tank, a deflector between the side of the tank and the holder, and a support for the deflector with relation to which support the tank and article holder are movable.

1,631,969. AUTOMATIC SLACK ADJUSTER. HENRY A. LEONHAUSER, Baltimore, Md., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 2, 1925. Serial No. 41,115. 4 Claims. (Cl. 188—198.)



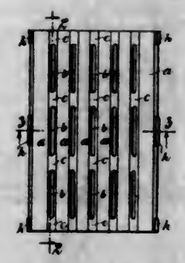
4. In a slack adjuster, brake lever connecting means comprising heads connected to the brake levers, an intermediate rod having threaded engagement with one head and having its other end rotatably received in the second head and provided with a circumferential groove, a bolt passing through said second head and engaging tangentially in said groove to prevent relative endwise movement of said rod and said second head, a sleeve rotatably mounted on said rod and said second head, clutching means comprising a spring and a member resiliently movable by said spring housed in said sleeve for transmitting rotary movement from said sleeve to said intermediate rod in one direction, said bolt being located outside said sleeve, and means operable by movement of the brake levers for oscillating said sleeve.

1,631,970. TYPEWRITING MACHINE. RICHARD J. LEWIS, Mohawk, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 29, 1925. Serial No. 78,146. 22 Claims. (Cl. 197—64.)



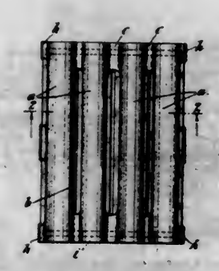
1. Braking mechanism for the carriage of a typewriting machine, comprising a braking arm adapted to cooperate with the carriage, and a cushioning device on which said arm is adapted to swing so that its opposite end portions are alternately raised and lowered.

1,631,971. LINER FOR TUBE MILLS, ETC. POUL T. LINDHARD, Brooklyn, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed July 11, 1925. Serial No. 42,868. 4 Claims. (Cl. 83—9.)



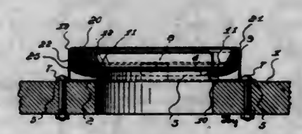
1. A liner block for tube mills, etc., consisting of a plurality of longitudinal bars of metal with rounded working surfaces, said blocks being provided with intervening spaces between the bars and bridge pieces connecting the bars at intervals along their length.

1,631,972. LINER FOR TUBE MILLS. POUL T. LINDHARD, Brooklyn, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Oct. 1, 1926. Serial No. 138,848. 4 Claims. (Cl. 83—9.)



1. A liner for tube mills, etc., having longitudinal bars of metal spaced apart transversely to the direction of movement of the grinding bodies and having the lateral faces of adjacent bars formed in planes at an angle to each other so that the tangent of one-half of such angle shall not be substantially less than the coefficient of friction between the grinding bodies and the material of which the bars are formed, whereby the packing and lodging of the grinding bodies in the spaces between the bars is prevented and the corrugation of the working surface of the liner is maintained.

1,631,973. LUBRICATING AND PROTECTING MEANS FOR SPINNING MECHANISMS. GEORGE F. MACFARLANE, Wilkes-Barre, Pa. Filed Mar. 17, 1926. Serial No. 95,279. 7 Claims. (Cl. 118—59.)

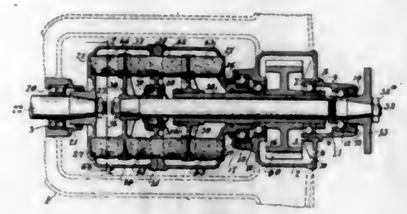


1. A lubricator for a spinning machine that includes a thread guide that is supported to rotate with its ends beneath a supporting ring having a downwardly inclined top surface, comprising a hollow ring that has a flange to surround the edge of said supporting ring, and lubricant retaining packing arranged on said inclined top surface within said hollow ring.

1,631,974. METHOD OF PRESERVING FRUITS. WHARTON B. MCLAUGHLIN, New York, N. Y.; Celia Brown McLaughlin administratrix of said Wharton B. McLaughlin, deceased. Filed Sept. 25, 1924. Serial No. 739,923. 1 Claim. (Cl. 99—14.)

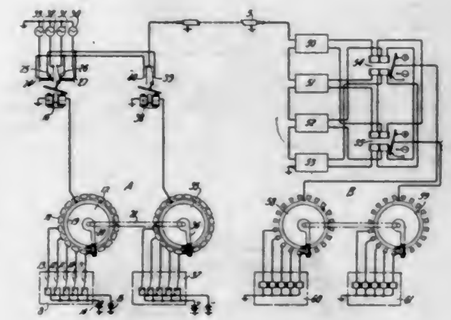
The method of preserving fruits which consists in mixing the fruit with sugar, immediately milling the mixture so as to finely comminute the fruit and mix it thoroughly with the sugar before fermentation takes place, and maintaining the mixture at a temperature sufficiently low that fermentation is prevented until it is self-preserving.

1,631,975. MULTIWHEEL DRIVE FOR VEHICLES. ALFRED F. MASURY and CHARLES FROESCH, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 26, 1925. Serial No. 58,738. 13 Claims. (Cl. 180—75.)



1. In a vehicle having a plurality of pairs of driving wheels, driving means for the pairs, non-metallic yielding means for apportioning power between said pairs, and means to mount the yielding means to transmit power under torsion.

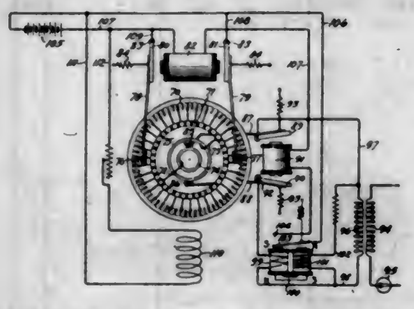
1,631,976. SIGNALING. ROBERT C. MATHES, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1924. Serial No. 734,150. 19 Claims. (Cl. 178—51.)



1. The method of transmitting intelligence which comprises generating alternating currents of a plurality of different single frequencies, selecting each of said currents respectively to represent portions of a plurality of messages and transmitting said currents only in succession.

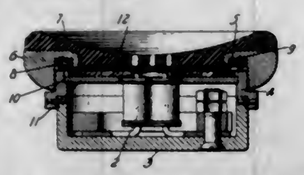
1,631,977. ELECTRIC MOTOR. FRANK W. MERRILL, Fort Wayne, Ind., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Apr. 11, 1921, Serial No. 460,597. Divided and this application filed Apr. 1, 1924. Serial No. 703,348. 6 Claims. (Cl. 172—239.)

1. In a motor control system, a synchronous motor having a single field winding and a single armature winding, slip rings and a commutator connected to said armature winding, one set of brushes cooperating with said slip rings and normally in engagement therewith, a second set of brushes cooperating with said commutator and normally out of engagement therewith, separate sources of current connected to the brushes cooperating with the commutator and slip rings, means for moving said second set of brushes into engagement with said commutator to close one current source therethrough upon failure of the current source connected with the brushes



cooperating with said slip rings, and means for moving the first set of brushes out of engagement with said slip rings upon failure of the current source connected thereto.

1,631,978. TELEPHONE RECEIVER. ROBERT NORDENSWAN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 31, 1923. Serial No. 671,869. 4 Claims. (Cl. 179—115.)



1. In a receiver, a diaphragm, a seat therefor, a clamping member engaging said seat, a ring disposed against said diaphragm and a yielding metal gasket between said ring and said clamping means, whereby the clamping pressure is distributed uniformly on said diaphragm.

1,631,979. DOOR BRACE. PASQUALE J. PICCIRILLI, New York, N. Y. Filed May 16, 1925. Serial No. 30,679. 2 Claims. (Cl. 292—338.)



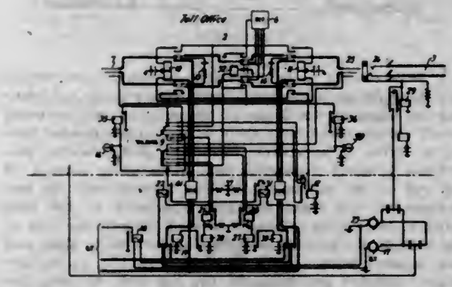
2. A door brace comprising a bracing rod, means for pivotally attaching same to a door, and a wedge insertible to act against an end of said rod and jam the rod when same is in operative position, and means to position said wedge.

1,631,980. DOOR BRACE. PASQUALE J. PICCIRILLI, New York, N. Y. Filed Apr. 23, 1926. Serial No. 104,053. 1 Claim. (Cl. 292—338.)



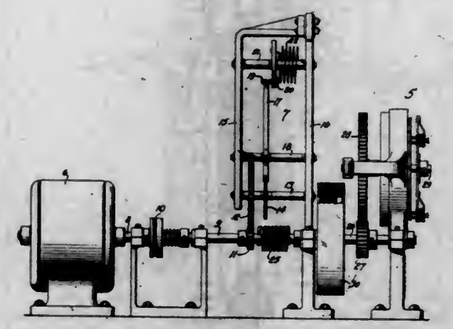
A door brace comprising a bracing rod, means for revolubly attaching one end of same to the door comprising a socket member attached thereto, a flanged member held within said socket member, said flanged member forming with the end of said rod a fork and tongue arrangement, a pivot therefor, a space being provided between the end of said tongue and the end of the slot of said fork and a wedge member insertible in said space.

1,631,981. TELEPHONE SYSTEM. LESLIE F. PORTER, Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1925. Serial No. 47,217. 3 Claims. (Cl. 179—50.)



2. In a telephone system, lines, a cord circuit for interconnecting said lines, a source of alternating current associated with each line, means responsive to said alternating current associated with one end of the cord circuit for preparing it for a change in condition, and means associated with the other end of the cord circuit for completing the change in condition of said cord circuit.

1,631,982. CONTROL MECHANISM. LOUIS M. POTTS, Highwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1922. Serial No. 593,292. 12 Claims. (Cl. 178—53.)



1. In a vibrating device, means for setting up a magnetic field, a vibrating member lying within said field, means for driving said vibrating member, and means for varying the intensity of said field to vary the rate of vibration of said member.

1,631,983. DEVICE FOR FILING CARDS AND THE LIKE. JOHN T. QUIGLEY, Los Angeles, Calif. Filed May 11, 1925. Serial No. 29,413. 9 Claims. (Cl. 129—16.)

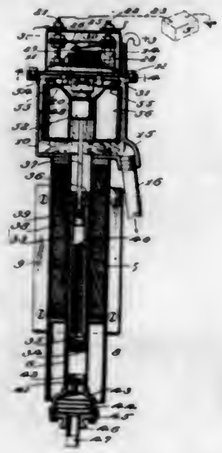


1. A device for holding cards and the like including an elongated resilient guard strip adapted to lie loosely upon a support, and upon which the cards and the like may be placed, and a follower having a vertical portion and a horizontal forwardly extending portion insertable and removable from beneath the guard strip at any point without its removal.

1,631,984. FUEL-FEEDING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. ALBERT G. REDMOND, Indianapolis, Ind., assignor to Jacob Richard Francis, Flint, Mich. Filed June 3, 1924. Serial No. 717,595. 19 Claims. (Cl. 103—26.)

1. A fuel feeding system for motor vehicles comprising a pump, said pump comprising a pump cylinder and a piston movable therein, an electric circuit including a source of current, a solenoid for actuating said piston, a

circuit maker and breaker in said electric circuit controlling the electrical energy to said solenoid, an electric



magnet operating said circuit maker and breaker in said electric circuit and a connection between the piston of said pump and the core of said electric magnet.

1,631,985. COLLAR AND CUFF. ODIN ROBERTS, Boston, Mass. Filed Aug. 22, 1924. Serial No. 733,543. 12 Claims. (Cl. 2—131.)



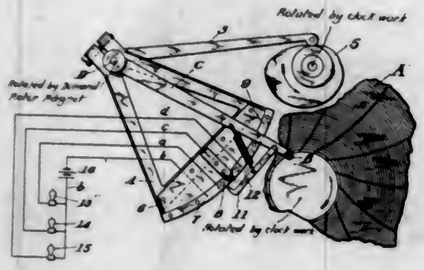
1. A folding collar comprising a blank of laminated textile fabric composed of adhesively integrated plies each including within its area the top and band portions and fold line of the collar, the inner ply of said blank being locally reduced along said fold line to predetermine the fold of the collar.

1,631,986. DIAGRAM HOLDER. HAROLD RUSCHER, New York, N. Y. Filed Jan. 15, 1926. Serial No. 81,469. 2 Claims. (Cl. 129—23.)



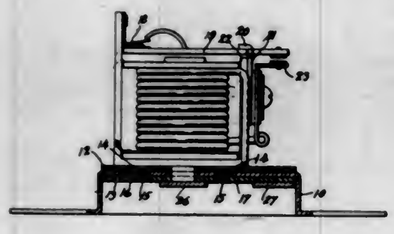
1. An article of manufacture comprising a somewhat elongated plate formed with approximately right angle projections at each end thereof extending substantially the width of the plate and having card receiving pockets attached to the outside surface, said plate formed with downwardly extending runner ribs along each longitudinal under edge and a post intermediate the ends of the plate and attached thereto and formed with a screw thread and a thumb nut working on said thread whereby diagrams may be securely and neatly, but removably held.

1,631,987. ATTACHMENT FOR ELECTRIC-CURRENT DEMAND METERS. WILLIAM H. SOMMER, Peoria, Ill., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, a Corporation of Ohio, and John A. Chapman, Chicago, Ill., trustees. Filed Aug. 10, 1921. Serial No. 491,237. 12 Claims. (Cl. 177—311.)



1. A maximum demand controller for an electric recording demand meter of the equal time period type comprising signaling means and means operable concurrently with the recording element of the meter but at a uniform rate to actuate said signaling means when said meter indicates that a predetermined demand rate is being exceeded during the latter portion of said predetermined time period.

1,631,988. CUT-OUT. PETER SORENSEN, Brooklyn, N. Y. Filed July 11, 1923. Serial No. 650,857. 2 Claims. (Cl. 200—87.)

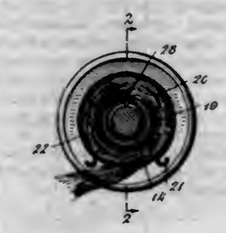


1. In a cut-out, a base member having a downwardly extending flange, a portion of said flange being cut away and the edges of the flange at the cutaway portion being struck outwardly to form shoulders, the base member having a series of apertures, insulating disks having projections integral therewith, said disks being located on top and on the bottom of the base member and the projections on the disks engaging apertures in the base member, connecting terminals located beneath the disk at the bottom of the base member, the terminals, disks and base member being rigidly connected together, an electromagnet member positioned on the top disk, an armature located above the electromagnet, a casing having a cut-out portion corresponding in dimensions to the cutaway portion of the flange, said casing being adapted to be guided into position by the abutment of the shoulders on the flange with shoulders on the casing.

1,631,989. HAIR CURLER. WARNER T. TABB, Mahwah, N. J. Filed Oct. 23, 1924. Serial No. 745,316. 7 Claims. (Cl. 132—33.)

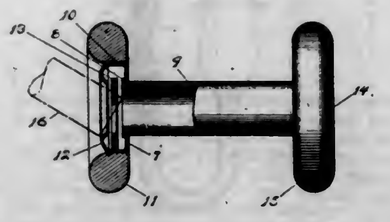
1. In a hair curler, a body including a hollow spindle, a clamping device independent of the spindle to retain

ends of hair in engagement with said spindle, a second clamping device independent of said spindle engageable



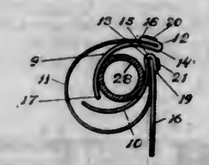
with hair wound upon said spindle to retain the wound hair in curled condition, and a heatable cartridge insertable into said spindle after the hair is wound thereon.

1,631,990. HAIR CURLER. WARNER T. TABB, Mahwah, N. J. Filed Oct. 30, 1925. Serial No. 65,838. 9 Claims. (Cl. 132—33.)



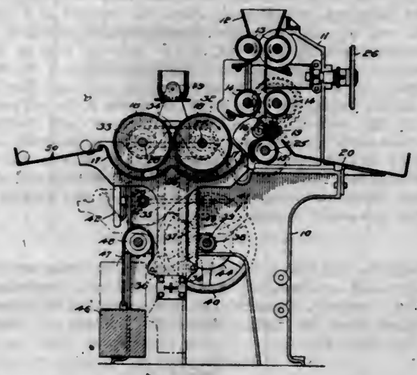
1. Gravity means to retain a heating element in a hollow spindle of a hair curler, said means comprising a ring normally eccentric with respect to said spindle and rotatable about the axis of said spindle.

1,631,991. CLAMP. WARNER T. TABB, Mahwah, N. J. Filed Nov. 11, 1925. Serial No. 68,410. 11 Claims. (Cl. 132—31.)



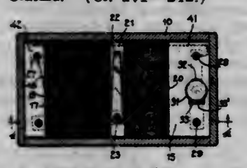
1. In a clamp for a hair curler; a resilient member of semiclosed-surface formation having open ends and a mouth extending longitudinally thereof, and perforations in said member adjacent said mouth, said perforations providing increased flexibility of said member adjacent said mouth.

1,631,992. DOUGH MOLDER. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Sept. 10, 1926. Serial No. 134,638. 7 Claims. (Cl. 107—9.)



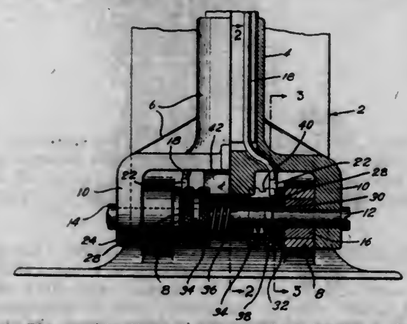
1. In a dough molding machine, the combination of a pressure plate, drums cooperating with said plate for molding the dough, means for adjusting said plate toward and from said drums at one rate of speed, and a second adjusting means for moving the plate toward and from the drums at an increased rate of speed.

1,631,993. RADIO RECEIVING APPARATUS. GEORGE W. WACKER, North Bergen, N. J., assignor to Pal Radio Company, North Bergen, N. J., a Corporation of New Jersey. Filed Aug. 17, 1923. Serial No. 657,906. 8 Claims. (Cl. 171—242.)



1. In a device of the character described, a tuning apparatus including spaced coils, a rotatable member positioned in the space between the coils, means extending from one end of said member for tuning the coil, and a conductor spring pressed into contact with the other end.

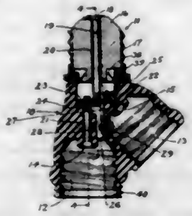
1,631,994. ELECTRICAL CONNECTION. ALONZO A. WARNER, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Feb. 1, 1923. Serial No. 616,261. 4 Claims. (Cl. 173—324.)



1. The combination of two members having a hinged connection between them comprising two adjacent perforated lugs located on said members, respectively, and

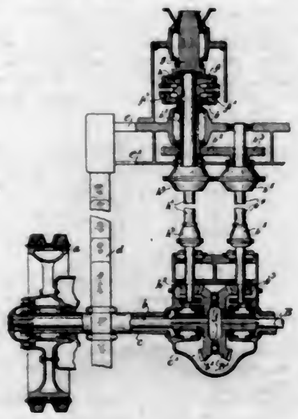
a pivot pin extending through an aperture in each lug, terminal contacts arranged side by side and located on the same side of both of said lugs and surrounding said pivot pin, connections between said terminal contacts and said members to cause them to turn with said members, respectively, about the axis of said pivot pin, one of said connections comprising a block of insulating material arranged at the opposite side of said contacts from both of said lugs and mounted to slide axially on said pivot pin and revolve with the far lug, a spring acting on the block to cause it to cooperate with the nearest lug to yieldingly press said contacts toward each other, said block being located between said spring and the nearest of said terminal contacts and insulating said spring from said terminal contacts, and electrical conductors secured to said contacts and carried by their associated members, respectively.

1,631,995. PLURAL PLUG. CHESTER E. WARNER, Berwyn, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 29, 1922. Serial No. 571,659. 1 Claim. (Cl. 173—335.)



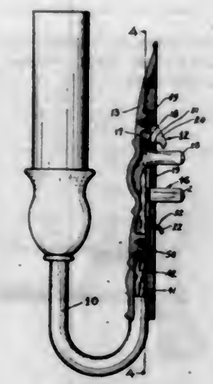
A base for a two-way plug comprising an insulating housing and positioning member having a pair of threaded shell receptacle contacts molded therein, the ends of said threaded shell receptacle contacts being substantially frusto-conical shaped, the side of the frusto-conical shaped portion of one of said threaded shell receptacle contacts being in substantially parallel relation with the axis of the other threaded shell receptacle contact.

1,631,996. FINAL DRIVE FOR VEHICLES. GOTTFRIED WIRRER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 11, 1925. Serial No. 14,629. 2 Claims. (Cl. 74—99.)



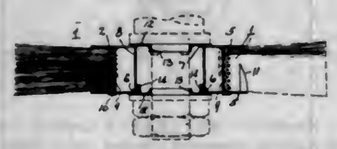
1. In a motor vehicle having a chassis frame, the combination with a pair of live axle sections and a propeller shaft, of differential gearing carried with the chassis frame and having two driving elements, means to drive the driving elements of the differential from the propeller shaft, a longitudinally extending shaft, a sleeve concentric with the shaft, a second longitudinally extending shaft, operative connections between the first named longitudinally extending shaft and one element of the differential, operative connections between the sleeve and the other element of the differential, operative connections between said sleeve and the second named longitudinally extending shaft, bevel gearing connecting said first named longitudinally extending shaft and one of the live axle sections and opposed bevel gearing connecting said second named longitudinally extending shaft and the other of the live axle sections, and a single thrust bearing to oppose the thrusts on the gearing on the live axle sections.

1,631,997. ELECTRIC-FIXTURE SUPPORT AND CONNECTER. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,760. 4 Claims. (Cl. 175—338.)



1. A plug-in device and fixture supporting bracket for cooperating with a receptacle having blade receiving openings and a supporting plate having hook receiving openings, said plug-in device having blades for entering said blade-receiving openings, and said fixture supporting bracket having hooks for entering said hook-receiving opening, said plug-in device being slidably mounted on said bracket, said plug-in device comprising an insulating base on which said contact blades are mounted, said insulating base comprising two sheets of insulating material on opposite sides of said bracket and secured together.

1,631,998. ROTARY BRUSH. EDWIN S. CARMAN, East Cleveland, and EDWARD E. CURTIS, Lakewood, Ohio, assignors to The Osborn Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 25, 1922. Serial No. 556,539. 6 Claims. (Cl. 15—181.)

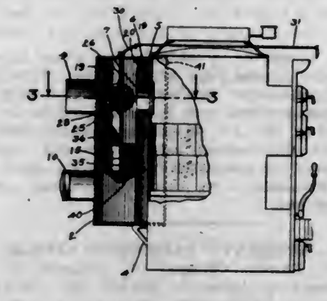


1. A holder for rotary brush sections comprising complementary annular plates adapted to receive and laterally hold such sections, a spacing member interposed between said plates, and means adapted to retain said plates in drawn together position, said means also serving as a seat for the sections.

1,631,999. PROCESS OF STORING DRYING OILS. EDWIN M. S. CHANDLER, Taunton, Mass. Filed Apr. 29, 1925. Serial No. 26,666. 5 Claims. (Cl. 23—250.)

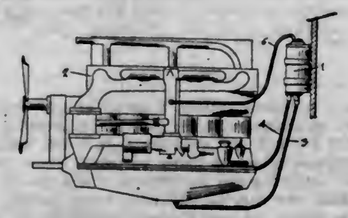
1. That improvement in the method of storing drying oil which consists in maintaining it in a substantially constant state of agitation.

1,632,000. CRESCENT RADIATOR. JOHN H. CROSS, Minneapolis, Minn., assignor to The Waterman-Waterbury Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 30, 1926. Serial No. 157,993. 7 Claims. (Cl. 126—99.)



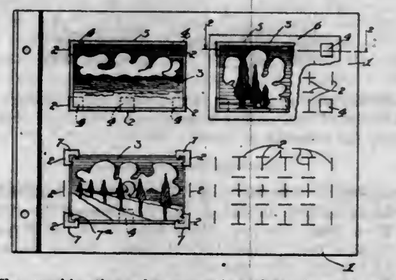
1. A crescent radiator including smoke inlet and outlet flues, a partition depending between the flues and having its lower end adjacent the bottom of the casing, and a baffle arranged laterally one at each side of the partition, below the level of the flues and slanting in opposite directions and engaging the walls of the radiator, and having their lower ends arranged with reference to the radiator walls to form circulation openings adjacent the bottom of the radiator, and at opposite ends of the casing in direction of the greatest horizontal dimension.

1,632,001. OIL PURIFIER. IVAN L. EASTMAN, Toledo, Ohio, assignor of one-half to Le Roy E. Eastman, Toledo, Ohio. Filed June 18, 1926. Serial No. 116,911. 12 Claims. (Cl. 123—196.)



1. In an oil purifier for internal combustion engines, a container connected to the crank shaft casing of the engine and for containing crank case oil, means for producing a vacuous condition in the container, the container having an air inlet located below the level of the oil in the container for directing air through a portion of the oil in the container and means for controlling the flow of air through the oil according to the level of the oil in the container.

1,632,002. ALBUM. ALBERT W. ENGEL, Chicago, Ill. Filed Aug. 10, 1925. Serial No. 49,272. 12 Claims. (Cl. 129—20.)

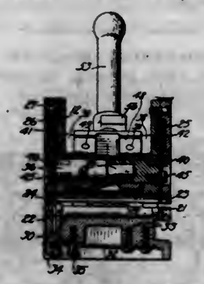


1. The combination of a mounting sheet formed with a slit, a sheet to be mounted, and a fastener of sheet material, gummed on one surface and folded, engaged in the slit with its line of fold substantially co-incident therewith and with its gummed surface at one side of the fold secured to the sheet to be mounted.

1,632,003. FINGER GRIP FOR VIOLIN BOWS. JOSEPH GAYNOR, Jersey City, N. J. Filed Sept. 8, 1926. Serial No. 134,153. 5 Claims. (Cl. 84—282.)

1. A finger grip for violin bows comprising a tube for loosely surrounding the stick of the bow, said tube being externally threaded at both ends, and provided with split cones on the ends thereof, nuts having screw threaded engagement with the tube to contact each cone, said tube having opposed perforations therein, designed to hold a finger rest in selected positions on the tube.

1,632,004. CUTTING DEVICE. LEON N. HAMPTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1922. Serial No. 609,977. 7 Claims. (Cl. 81—9.5.)

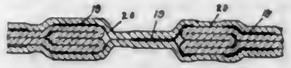


3. A cutting device comprising a split shaft, a knife blade mounted eccentrically on each end of said shaft, a lever for actuating said shaft, and adjustable means on said lever for varying the operating range of said blades.

1,632,005. METHOD OF AFFIXING REENFORCING TAPE. LOUIS H. HARTMAN, Toledo, Ohio, assignor to The Valve Bag Company of America, Toledo, Ohio, a Corporation of Ohio. Filed July 8, 1926. Serial No. 121,128. 3 Claims. (Cl. 112—262.)

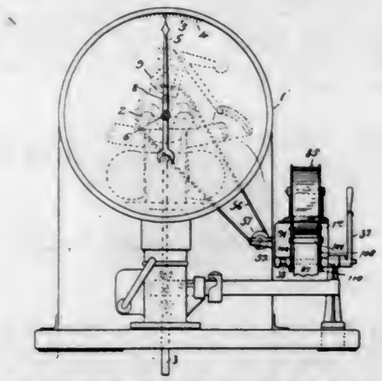
3. The method of affixing reenforcing tape to fabric, which comprises adhering portions of the tape to fabric

with an adhesive which, in its unset state, has comparatively little adhesion to a needle, while leaving uncoated portions of the tape and fabric between the adhered



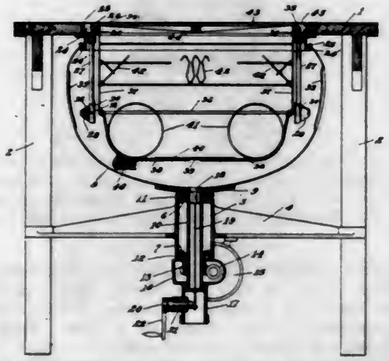
portions, and sewing a continuous seam through alternate coated and uncoated portions of the tape and fabric while the adhesive is unset.

1,632,006. RECORDING WEIGHING MECHANISM. JOHN HOLM, Brooklyn, N. Y., assignor to American Kron Scale Company, New York, N. Y., a Corporation of New York. Filed July 11, 1921. Serial No. 483,714. 17 Claims. (Cl. 234—1.)



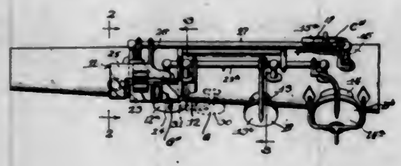
1. In a recording weighing mechanism of the class set forth, the combination of weighing mechanism having an indicator and an arm operative therewith, of a member normally free from said arm adapted to cooperate therewith, a wheel to operate said member, a plurality of power driving means to actuate said wheel in opposite directions, one of said power means controlling the other power means, means normally restraining said power driving means adapted to be released at will, printing devices, and means controlled by said wheel to actuate said printing devices.

1,632,007. DISHWASHING MACHINE. MICHAEL J. KEHOE, London, Ohio, assignor, by mesne assignments, to Cascade Manufacturing Company. Filed Nov. 8, 1922. Serial No. 599,720. 14 Claims. (Cl. 141—9.)



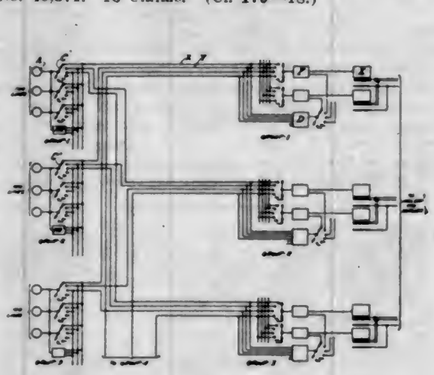
1. In a washing machine, a tank mounted rotatably about a substantially vertical axis, an article holder in the tank, and a deflector between the side of the tank and the holder, the tank having a greater horizontal diameter at the level of the deflector than it has near the bottom.

1,632,008. KEY DEVICE FOR SAXOPHONES. FREDERICK L. LEMM, La Porte, Ind., assignor to Conturier Company, La Porte, Ind., a Corporation of Indiana. Filed Sept 24, 1926. Serial No. 137,454. 3 Claims. (Cl. 84—385.)



1. In a saxophone, a multiple key group adapted to be controlled by the little finger of the left hand, and connected with tone hole covers, two of said covers being normally closed, and being adapted to be opened by depressing one key of said group, and other tone hole covers intermediate said last named tone holes having means for automatically closing the upper one of said two tone hole covers when their common controlling key is depressed.

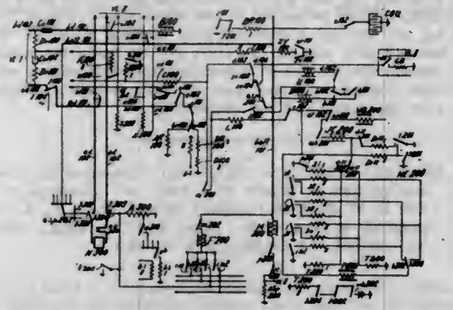
1,632,009. AUTOMATIC TELEPHONE SYSTEM. CLARENCE E. LOMAX, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 5, 1925. Serial No. 48,371. 15 Claims. (Cl. 179—18.)



1. In a telephone system, a group of line switches, a plurality of groups of finder switches, a group of trunks accessible to said line switches each trunk terminating in a different group of finder switches, means for automatically operating any line switch to seize an idle trunk, and means for starting an idle finder switch of the group in which the seized trunk terminates to find the seized trunk.

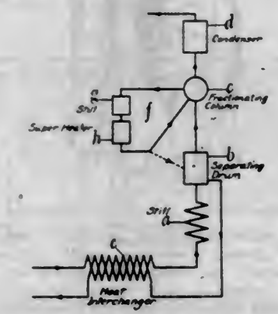
1,632,010. AUTOMATIC TELEPHONE SYSTEM. FRITZ LUBBERGER, Berlin-Schmargendorf, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Berlin, Germany. Filed July 2, 1923, Serial No. 41,034, and in Germany July 12, 1924. 12 Claims. (Cl. 179—27.)

1. In a telephone system, a main and a sub-exchange, a trunk line between said exchanges, said sub-exchange containing switching equipment comprising only relays, said switching equipment automatically operating to seize said trunk in response to the initiation of a call from



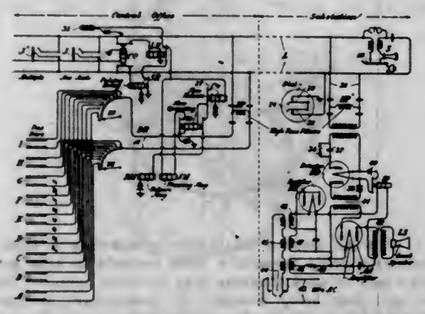
said sub-exchange, and directively operable by impulses received over said trunk on calls from said main exchange to select a called line in said sub-exchange.

1,632,011. PRODUCTION OF PETROL. FRANK TINKER, Sutton Coldfield, England. Filed Sept. 25, 1922, Serial No. 590,480, and in Great Britain Jan. 7, 1922. 3 Claims. (Cl. 196—49.)



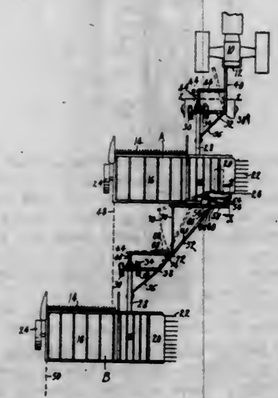
1. A method of treating oil which comprises distilling the oil to top the same, fractionating the vapors formed to form a condensate while out of contact with raw oil and treating the condensate thus formed to crack the same and thus to form a cracked vapor, introducing said cracked vapor directly into the first mentioned vapors.

1,632,012. PROGRAM-SELECTING CIRCUITS. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,735. 6 Claims. (Cl. 179—2.)



1. In a program transmitting system, a subscriber's telephone line terminating in a subscriber's telephone apparatus at the subscriber's station, means at the central office whereby a connection may be established between said subscriber's line and another subscriber's line, a plurality of trunks at the central office upon which programs may be impressed, a directive switch at the central office for establishing a connection between said line and any desired trunk to the exclusion of other trunks, controlling means at the subscriber's station for controlling the operation of said directive switch to select a program, and means for restoring said switch to normal at the beginning of the operation of selecting a new program.

1,632,013. BINDER HITCH. GUY A. TRAUGER, Livermore, Iowa. Filed Sept. 1, 1926. Serial No. 132,992. 8 Claims. (Cl. 280—33.5.)



1. In combination with a pulling means and a device to be pulled having steerable wheels and a stub tongue for steering them, a hitch comprising a draw bar pivoted to said device at a point spaced from the pivotal point of the steerable wheels, connecting means for connecting the draw bar to the stub tongue for imparting steering movement to the steerable wheels when the draw bar is given pivotal movement, the free end of said draw bar being connected to said pulling means and a flexible pulling connection from the pulling means to the point of connection of the connecting means to the stub tongue.

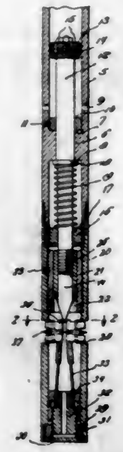
1,632,014. TRUSS FOR BRIDGES AND THE LIKE. CLAUDE A. P. TURNER, Minneapolis, Minn., assignor to William M. Turner. Filed Apr. 26, 1924. Serial No. 709,203. 4 Claims. (Cl. 14—3.)



1. A truss having a compression member of polygonal cross section, the flat sides of the polygon being formed of longitudinally extending plates, angles that join such

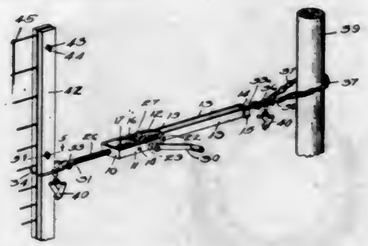
plates at their edges and internal braces secured to the compression member at intervals, the exterior of such member being free from outwardly projecting flanges.

1,632,015. WELL-CASING CUTTER. ERCOLE VENTRESCA, Houston, Tex. Filed May 22, 1926. Serial No. 111,007. 5 Claims. (Cl. 81—195.)



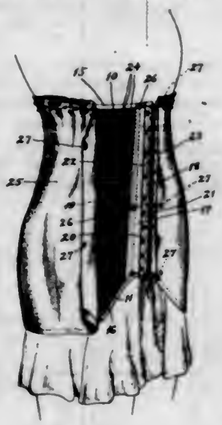
2. A device of the class described including, in combination, a shell having a restricted interior portion forming an upper and a lower shoulder, openings above the upper shoulder, a rod slidable in the shell through the restricted portion, a piston at the upper end of the rod, a collar about the rod and fixed to seat on the upper shoulder, said piston having passages extending therethrough, so that when the piston abuts the collar both the openings and the passages are closed, a stop collar on the rod below the lower shoulder, means for normally holding said stop collar in engagement with the lower shoulder, a casing threadedly on the lower end of the shell, cutting means in the casing, and an operating member for the cutting means on the rod.

1,632,016. WIRE STRETCHER. LAUREL C. WOODYARD, Lacona, Iowa. Filed Oct. 2, 1922. Serial No. 591,791. 1 Claim. (Cl. 254—67.)



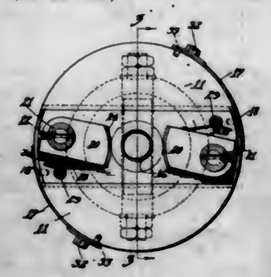
In a wire stretcher, a frame having end members and longitudinal side members, said side members being spaced to accommodate gearing and bent inwardly at an angle between their ends whereby a portion of the sides are spaced closer together, a cross element secured to the inwardly bent portions of the side members and a second cross element spaced from the first one, a threaded rod loosely journalled in said cross elements and one end of the frame, a bevelled gear having a threaded connection with the rod and arranged abutting the second cross element, a shaft journalled in one longitudinal member, having on one end a bevelled gear meshing with the first bevelled gear and on the other end an operating means, whereby the rod can be moved longitudinally with a minimum tendency to bind and fastening means connected with the frame and rod respectively.

1,632,017. REDUCING GARMENT. BERTRAM G. WORK and LOUISA N. SLADE, New York, N. Y., assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 16, 1924. Serial No. 737,988. 3 Claims. (Cl. 2—29.)



1. A body girdle comprising an elastic, non-absorbent rubber lining having numerous small openings therethrough to permit the escape of perspiration, a fabric cover loosely overlying said lining for absorbing the perspiration, and separable fasteners connecting the edge portions of said lining and cover and permitting complete detachment of the cover, thus allowing the lining and cover each to be completely cleansed independently of the other.

1,632,018. WORK-DRIVING DEVICE. RICHARD A. ASHTON, Seneca Falls, N. Y., assignor to Seneca Falls Machine Co., Seneca Falls, N. Y., a Corporation of Massachusetts. Filed June 8, 1925. Serial No. 35,544. 5 Claims. (Cl. 82—40.)



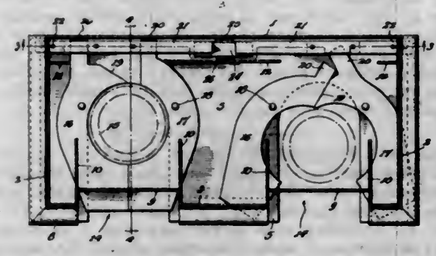
1. A work driving attachment comprising a head, a transverse guide thereon, a slide movable in said guide, and a pair of work engaging dogs pivotally mounted thereon, said dogs being mounted for independent movement upon their separate pivots and for simultaneous movement on said head in one direction to equalize the driving pressure of the dogs on the work.

1,632,019. RECEPTACLE AND BLANK THEREFOR. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1920, Serial No. 418,274. Renewed Dec. 3, 1925. 6 Claims. (Cl. 229—1.5.)



1. A blank for a tapered receptacle provided with edges of different configuration formed as a part of a solid blank and adapted to be sealed to each other to form a sealing portion, said sealing portion being adapted to be folded and curled around the apex of the receptacle and sealed to the major portion of said blank.

1,632,020. COMBINED LETTER BOX AND MILK-BOTTLE HOLDER. DECIO BOLZONETTI, Pittsburgh, Pa. Filed Mar. 31, 1926. Serial No. 98,933. 5 Claims. (Cl. 232—41.)



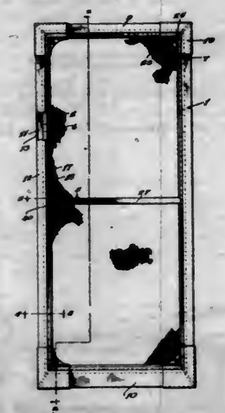
1. An article holder comprising a member having an article receiving opening, jaws disposed upon opposite sides of the article receiving opening and pivoted intermediate their ends and having rear projections, a lock spring, disposed to overlie the projections of the jaws when closed, fast at one end and movable at the opposite end and having stops to come between and engage the projections of the jaws and secure the latter when closed and a pivoted release comprising a portion underlapping the free end of the lock spring, and a lever which when operated lifts the lock spring to withdraw the stops from between the rear projections of the jaws.

1,632,021. BEDPAN. ALINE O'SULLIVAN BREAUX, New Iberia, La. Filed Oct. 8, 1926. Serial No. 140,294. 5 Claims. (Cl. 4—112.)



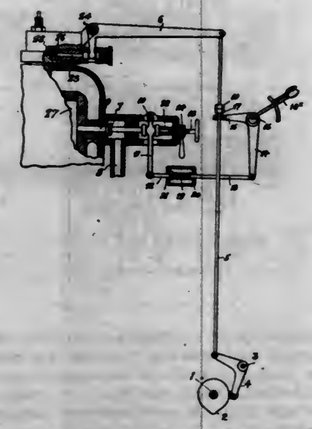
1. A bed pan comprising a pan body, a seat hinged thereto and covering only a portion of the pan, and a shield also hinged to said pan and spaced from the seat.

1,632,022. WINDOW SCREEN. JOHN THOMAS COOK, Howell, Mich., assignor of one-half to Frank J. Finch, Jackson, Mich. Filed May 6, 1926. Serial No. 107,220. 2 Claims. (Cl. 156—14.)



1. In a window screen, a main frame comprising hollow frame members each including spaced side walls and a connecting wall, the side walls having inwardly turned portions provided with marginal flanges substantially in contact at the inner sides of the respective frame members, corner members having right angularly disposed hollow branches slidably and adjustably receiving the ends of respective ones of the frame members and including spaced side walls and webs in the corners between the walls for intimate engagement with the ends of the frame members, clamping bolts secured through the said webs adjustable to clamp the corner members to the respective frame members to maintain the frame members in positions of adjustment with respect to the corner members, a rigid auxiliary frame having its frame members arranged within the corresponding members of the main frame, and a screen sheet stretched within the auxiliary frame and having its portions adjacent its margins extending between the flanges of the side walls of the members of the main frame.

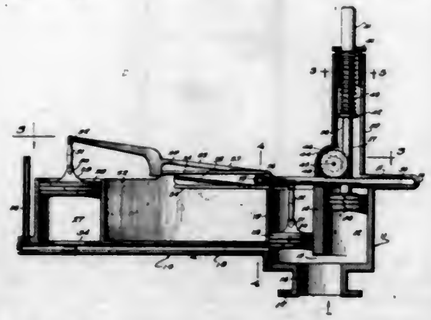
1,632,023. COMPRESSED-AIR STARTING DEVICE OF INTERNAL-COMBUSTION ENGINES. AXEL UNO STUAE DANIELSSON, Ulfsunda, Sweden, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden, a Corporation of Sweden. Filed Feb. 5, 1923, Serial No. 617,043, and in Sweden Feb. 2, 1922. 2 Claims. (Cl. 60—16.)



1. In an internal combustion engine adapted to be started by means of compressed gas the combination of

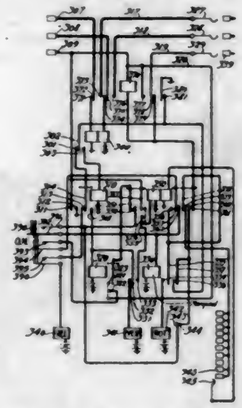
a starting valve, a pump feeding fuel into the combustion chamber of the working cylinder of the engine, driving means for the said pump including a reciprocating member, an abutment provided on the said member, a movable member coupled to the starting valve, and means for bringing the said movable member into the path of said abutment and out of the same.

1,632,024. FLUID-PRESSURE REGULATOR. ROBERT L. DENNISON, New York, N. Y. Filed Aug. 4, 1925, Serial No. 48,155. Renewed Nov. 15, 1926. 6 Claims. (Cl. 50—10.)



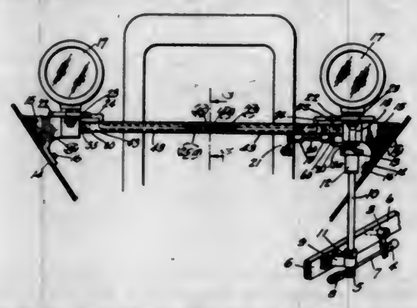
4. A pressure regulating device comprising a valve chamber communicating with a source of variable fluid pressure, a conduit connected at one end to said valve chamber, a valve in said chamber adapted to control passage of fluid therefrom to said conduit, a member spaced a substantial distance from said valve chamber and directly responsive to pressure in said conduit, a lever connected between said member and said valve, a fulcrum pin passing through said lever, and means responsive to pressure from said source for shifting said fulcrum pin longitudinally with respect to said lever.

1,632,025. AUTOMATIC TELEPHONE SYSTEM. GEORGE E. DUSTIN, Woodcliff, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 24, 1923. Serial No. 670,557. 9 Claims. (Cl. 179—18.)



1. In combination, a telephone line, an automatic switch, means for extending the line to said switch, means for sending a series of impulses to operate said switch to further extend said line, and means in said switch for absorbing the next series of impulses transmitted thereto.

1,632,026. DIRIGIBLE HEADLIGHT FOR MOTOR VEHICLES. HARRY GOODMAN, Britton, Okla. Filed July 17, 1926. Serial No. 123,180. 4 Claims. (Cl. 240—62.)

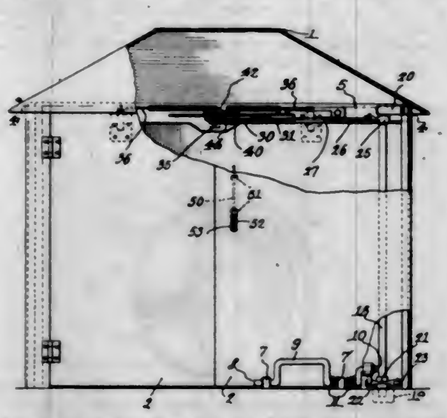


1. In a device of the character described, a headlight supporting shaft, a headlight and extension rod all in connection with a light-plate; a second light-plate, headlight and shaft; said extension rod connecting said light-plates and movable therewith; clutch means to connect said shafts for revoluble movements in unison, and to disconnect the same; means for simultaneously moving said head-lights; bracket means and angle iron adapted to anchor said device to the fenders of a motor vehicle; two compression coil springs surrounding said extension rod in the center and co-acting with clamps, washers and holding means to automatically force said headlights to a front facing position when disconnected from the moving means for said headlights; means connecting said shafts and clutching means with the steering mechanism and frame of a motor vehicle.

1,632,027. EMULSIFIED SOLID GREASE. MORITZ JOSEPH HEITMANN, Freital-Potschappel, near Dresden, Germany. Filed Apr. 8, 1925, Serial No. 21,698, and in Germany Apr. 10, 1924. 2 Claims. (Cl. 87—9.)

1. An emulsified solid grease containing a relatively high percentage of water comprising mineral lubricating oil, water and polymerized oil, said polymerized oil and lubricating oil being soluble in each other and said polymerized oil being in sufficient quantity to insure emulsification of said water in the lubricating oil.

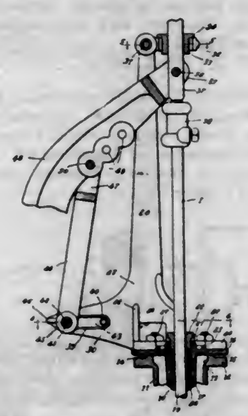
1,632,028. DOOR OPERATOR. IRA FRANKLIN KEISLING, Kokomo, Ind. Filed Aug. 16, 1926. Serial No. 129,559. 2 Claims. (Cl. 268—35.)



1. In a device of the class described, a movably mounted door, a plunger supported for sliding movement, a connection between the door and the plunger, a lever

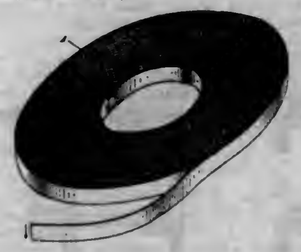
and a fulcrum therefor, a radius arm mounted for swinging movement, a yieldable connection between the lever and the radius arm, means for connecting the radius arm with the plunger, car-operated means for moving the lever, a latch engaging the plunger, a shaft supported for rocking movement and having an eccentric portion, the shaft comprising a part which cooperates with the latch to disengage the latch from the plunger, an actuating member pivoted to the lever and slidable on the eccentric portion of the shaft, the actuating member having a projection which cooperates with the eccentric portion of the shaft to rock the shaft and to disengage the latch from the plunger.

1,632,029. PUMP. SWAN LARSON, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a Corporation of Illinois. Filed Apr. 20, 1925. Serial No. 24,345. 18 Claims. (Cl. 103—217.)



1. In a pump of the class described, a base, a bracket mounted on the base, said bracket having opposed grooves, a fulcrum having a sleeve portion, a tubular bearing for the sleeve portion having its ends seated in the grooves and slidably adjustable in the same, a bolt extending through the tubular bearing and adapted to hold the same in adjusted position in the grooves, a pump rod, a handle pivotally connected to the pump rod, and a pivotal connection between the fulcrum and the handle.

1,632,030. METHOD AND MEANS FOR THE IDENTIFICATION OF ELECTRICAL CABLES. WILLIAM H. MARTIN, Chappaqua, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1922. Serial No. 590,744. 6 Claims. (Cl. 283—62.)



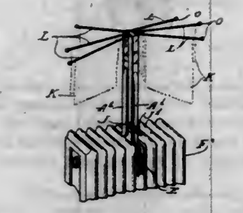
2. As an article of manufacture, a circular pad of paper comprising a strip wound tightly in the form of a flat helix having one edge thereof colored differently from the color of the paper constituting said pad.

1,632,031. CLOSURE FOR VESSELS. ALFONS MAUSER, Cologne-Marienburg, Germany. Filed Nov. 6, 924, Serial No. 748,032, and in Germany Mar. 20, 1924. 9 Claims. (Cl. 220—61.)



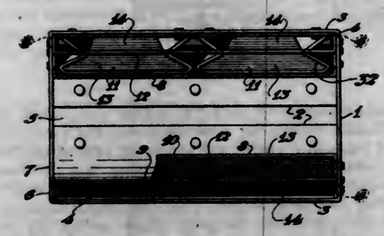
8. In a barrel, drum, or like container, having a mouth, a cover for said mouth, a cover support fixed to the container adjacent said mouth, a cover-retaining member engaging said support and said cover, and an annular securing member engaging said cover-retaining member to prevent vertical movement thereof.

1,632,032. DRYING RACK. MICHAEL W. MCARDLE, Chicago, Ill. Filed Apr. 18, 1927. Serial No. 184,621. 8 Claims. (Cl. 34—26.)



1. A rack comprising a frame having parallel uprights connected by a cross bar and formed with offset lower end portions spaced apart more widely than the remainder of the uprights, means for drawing said lower ends toward each other in clamping engagement with a supporting structure, and rack rods hingedly carried by the cross bar adapted to depend therefrom in parallel relation to the uprights or to be extended horizontally from said cross bar at will.

1,632,033. FEEDER SHIPPING BOX FOR CHICKS, ETC. KINNEY I. MILLER, Lancaster, Mo. Filed Jan. 17, 1927. Serial No. 161,553. 13 Claims. (Cl. 119—19.)



1. In combination with a shipping box for small live stock, a trough arranged within the box at one side thereof: and a gutter arranged below the trough.

1,632,034. ELECTRICAL HEATING DEVICE. ROY M. MOFFITT, Maumee, Ohio. Filed Dec. 10, 1925. Serial No. 74,455. 6 Claims. (Cl. 219—34.)

1. In an electrical heating device, a housing, a pair of spaced opposed heat radiating plates in the housing having their ends offset outwardly of the major portions

of the plates, a heating unit composed of a frame having end and side rods, a series of abutting insulating blocks mounted on the end rods and having perforations, large insulating blocks engaging the ends of the respective series and abutting the side rods, a wire alternately threaded through the perforations of the respective series

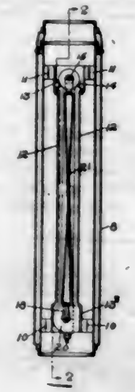
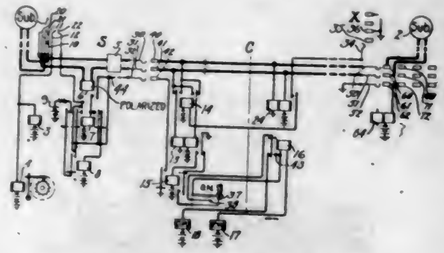


Fig. 2

of blocks and having its ends threaded through the large blocks of one series to provide terminals, and catches on the offset parts at the upper ends of the plates engageable with the large blocks at the top of the frame to support the latter in position and against downward movement.

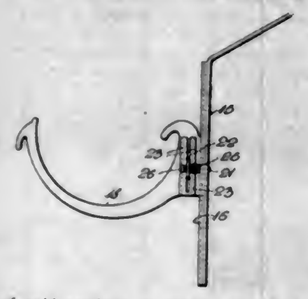
1,632,035. AUTOMATIC TELEPHONE SYSTEM. CHARLES A. MORTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 1, 1924. Serial No. 753,027. 5 Claims. (Cl. 179—9.)



1. In a telephone system, a calling line, called lines, an automatic switch for interconnecting the same, means in said automatic switch for supplying talking battery to said calling line, a relay for reversing the direction of the flow of current in the calling line, a local circuit for said relay, means dependent upon the classification of the called line for either extending or preventing the extension of said local circuit, and means responsive to the called line in answering for closing said local circuit to operate said relay.

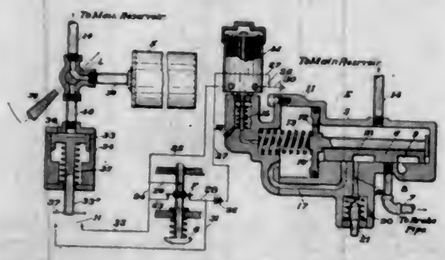
1,632,036. EAVES-TROUGH SUPPORT. CHARLES P. MULLEN, Conshohocken, Pa. Filed Apr. 10, 1926. Serial No. 101,166. 3 Claims. (Cl. 108—29.)

1. An eaves trough support comprising a stationary section to be secured to the roof, a trough-engaging section having a slidable connection with said stationary section, the two sections having differently spaced openings, any two of which may be alined, a spring projected pin for passage through the alined openings, a slide carrying said pin, and means slidably connecting said slide



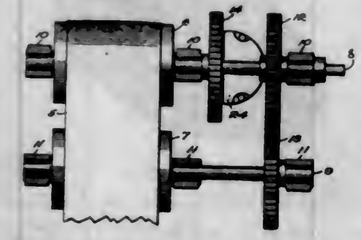
with one of said sections to permit vertical adjustment of the pin into alinement with the openings through which it is to be passed.

1,632,037. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FRANK H. NICHOLSON, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 9, 1920, Serial No. 364,511. Renewed July 27, 1926. 34 Claims. (Cl. 246—183.)



10. Railway traffic controlling apparatus comprising a vehicle, a reservoir on the vehicle normally connected with a source of fluid pressure, a cylinder, a piston therein biased to one position, manually operable means on the vehicle for disconnecting said reservoir from said source and connecting said reservoir from said source and connecting the reservoir with said cylinder and with a small exhaust orifice whereby said piston is moved to another position for a given interval of time, and automatic traffic governing mechanism on said vehicle controlled by said piston.

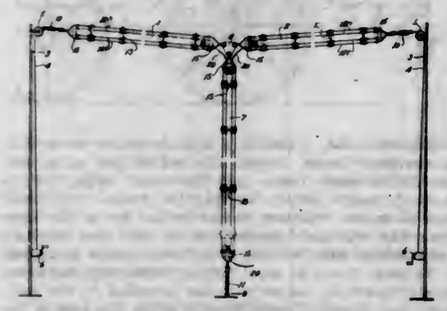
1,632,038. MECHANICAL MOVEMENT. ALMON E. NORRIS, Brookline, Mass. Filed July 31, 1923. Serial No. 654,891. 3 Claims. (Cl. 74—99.)



1. In a power transmitting mechanism, the combination of a driving shaft, two driven shafts, and mechanism to cause said driving shaft to drive said driven shafts,

said mechanism including two gears meshing with each other, one secured to one driven shaft and the other loosely mounted on the second driven shaft, a gear secured to the second driven shaft, pinions loosely mounted on said driving shaft and meshing, respectively, with the gears on the second driven shaft, gears of different diameters loosely mounted on said driving shaft and carrying said pinions, respectively, a carrier secured to said driving shaft, and a gear loosely mounted on said carrier to rotate about an axis other than the axis of said driving shaft, the last-mentioned gear meshing with said gears of different diameters.

1,632,039. ANTENNA STRUCTURE. ARTHUR A. OSWALD and EDWARD L. NELSON, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 4, 1924. Serial No. 684,284. 13 Claims. (Cl. 250—33.)



1. An antenna comprising a plurality of cage sections, a down lead, means for electrically connecting said sections to said down lead, and means connected to said sections to prevent the antenna from rolling.

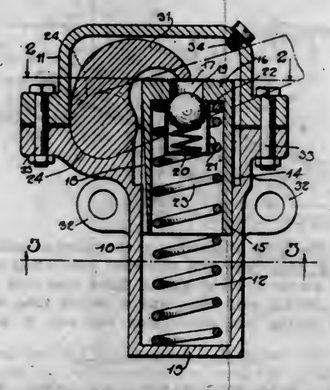
1,632,040. SOUND AMPLIFIER. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Filed Feb. 29, 1924. Serial No. 695,974. 17 Claims. (Cl. 181—27.)



1. In combination, an outer frame provided with a wide intramarginal orifice having a forwardly diverging concave wall, a forwardly opening bowl-like reflector resiliently mounted at its mid part in said orifice and spaced from but almost touching said concaved wall and provided with a central opening; and a means resiliently mounting a telephonic element transmitting sound into said opening.

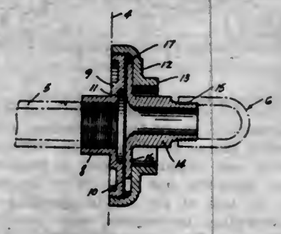
1,632,041. HYDRAULIC SNUBBER. ARMAND L. POUDRIER, Los Angeles, Calif. Filed July 26, 1926. Serial No. 125,036. 3 Claims. (Cl. 267—8.)

1. In a hydraulic snubber, a casing adapted for connection to a vehicle part and having a cylindrical bore in its lower part provided with an enlarged upper end, a piston fitting the lower part of said bore and having a passage extending therethrough, a downwardly opening check valve carried by the piston and controlling said opening, a spring urging the piston in one direction in the casing, a shaft extending transversely of the casing, a rock arm on said shaft engaging the top of the piston, a lever on said shaft adapted for connection to a second part of the vehicle movable toward and from the first



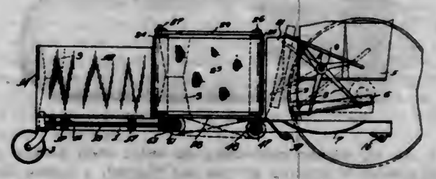
part, said piston having a slot extending longitudinally of the outside of the piston and increasing in depth towards the bottom of the piston, the upper part of said slot being of uniform depth, and a pin extending through the casing into the slot and adjustable to enter the slot to varying extent.

1,632,042. ADJUSTABLE UNION. EMIL PRICE and WILLIAM A. PFISTER, Los Angeles, Calif. Filed Oct. 5, 1925. Serial No. 60,458. 10 Claims. (Cl. 277—18.)



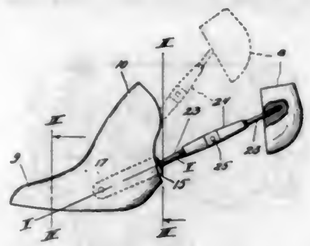
8. In a device of the class described, the combination of a mixing member, horizontal supply pipes, connecting members and means including unions slidable transversely of said connecting members for connecting the mixing member with said supply pipes.

1,632,043. SHOCKER. JAMES A. RICHARDSON, Halkirk, Alberta, Canada. Filed Mar. 12, 1926. Serial No. 94,222. 6 Claims. (Cl. 56—413.)



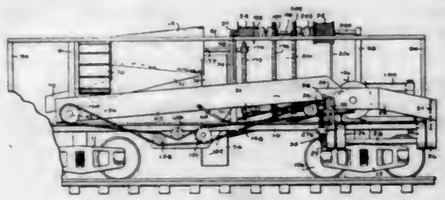
1. The combination with a carrier-shaft and rotary carrier and a mutilated gear on said shaft, of driving mechanism including a pinion for co-action with the mutilated gear, and means whereby the weight of a sheaf will turn the mutilated gear for operative connection with said pinion.

1,632,044. BOOT OR SHOE FORM. ARTHUR SCHOSHUSEN, West Somerville, Mass. Filed Mar. 31, 1921. Serial No. 457,178. 5 Claims. (Cl. 12—128.2.)



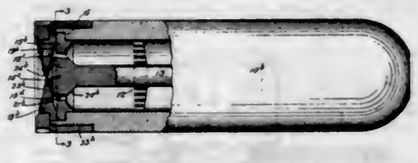
1. A shoe form comprising a toe portion, and a heel portion, a telescoping rod and tube connecting said toe and heel portions, a coil spring fitted over said rod and abutting against said tube, and a second tube enclosing said coil spring and overlapping one end of said first tube.

1,632,045. BALLAST-CLEANING MACHINE. WILLIAM J. SHANNON, East Cleveland, Ohio. Filed Dec. 7, 1925. Serial No. 73,695. 14 Claims. (Cl. 37—107.)



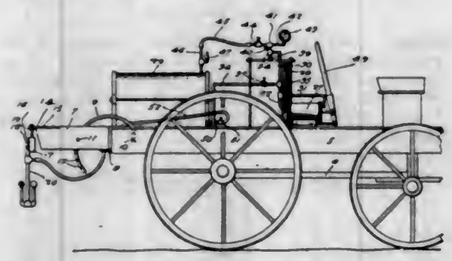
1. A machine for excavating ballast, comprising a railroad car having an excavator mechanism suspended at one side thereof, means for swinging the excavator mechanism upwardly and inwardly about a longitudinal axis over the car platform and a conveyor mechanism also mounted at the side of the car in operative association with the excavating mechanism, said conveyor mechanism normally extending upwardly of the car and means for lowering said conveyor mechanism to a substantially horizontal position from which it may be swung about a longitudinal axis.

1,632,046. OIL BURNER. EDWARD A. SKYIEPAL, New York, N. Y. Filed Dec. 22, 1923. Serial No. 682,150. 2 Claims. (Cl. 299—120.)



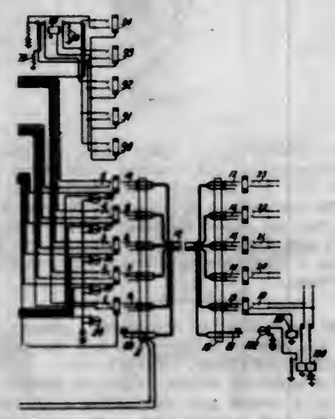
1. An oil burner comprising an outer shell having a fuel admission opening at one end thereof, a nozzle tip member having opposed conical recesses in its outer and inner faces and a fuel orifice at the common apex of said conical recesses, an end member in contiguous relation to said nozzle tip member and forming with the inner face thereof a fuel chamber, said end member having holes connecting said fuel chamber with the interior of the shell, an annular shoulder on said end member in surface engagement with the inner conical face of said nozzle-tip member and forming a central recess, said shoulder having passages substantially tangent to said central recess and connecting the latter with said fuel chamber and means cooperating with said passages and said fuel orifice for atomizing the fuel as it leaves said burner.

1,632,047. SPRAYING MACHINE. DANIEL W. SMITH, Malone, Tex. Filed Apr. 28, 1926. Serial No. 105,238. 1 Claim. (Cl. 299—40.)



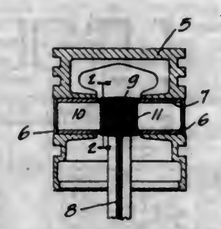
In combination, a vehicle, a main frame on the vehicle, an auxiliary frame, hinges attached to the under surface of the main frame and the under surface of the auxiliary frame section so that the hinged edges will abut when the auxiliary frame section is in the same plane with the main section and so that said auxiliary frame section may be held at different angles in respect to the main frame so as to incline rearwardly and downwardly therefrom, an arcuate bar attached to the main frame and disposed concentrically about the axis of the hinges, a pin piercing an opening in the auxiliary frame section and adapted to pierce one of a plurality of openings provided in the bar, brackets projecting rearwardly from the auxiliary frame section, eye-bolts hingedly engaged with said brackets, a beam supported on the eye-bolts, and spraying means on the beam.

1,632,048. TESTING SYSTEM. JOHN W. VAN DE WATER, Hastings-on-the-Hudson, and BERT R. BLAIR, Jackson Heights, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1926. Serial No. 81,663. 5 Claims. (Cl. 179—175.)



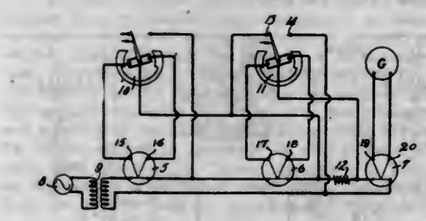
4. In a system for testing telephone circuits, means for temporarily and simultaneously connecting a testing device to a plurality of telephone circuits, means for automatically and successively performing certain tests upon said circuits, means manually performing certain other tests upon said circuits, means for indicating when either of said types of tests is in progress, and means for indicating when said second mentioned type of tests is completed.

1,632,049. CONNECTION FOR PISTONS AND CONNECTING RODS. ARVIN C. WEBSTER, Detroit, Mich. Filed May 12, 1924. Serial No. 712,902. 4 Claims. (Cl. 74—108.)



1. In combination, a piston having alingned openings therein, a connecting rod having an aperture therein aligned with said openings, a pin extended into said openings and thru said aperture that portion of the pin engaged in said aperture being originally larger than the aperture and being forced into said aperture under pressure, and said portion being provided with a plurality of knurls having relatively flat tops.

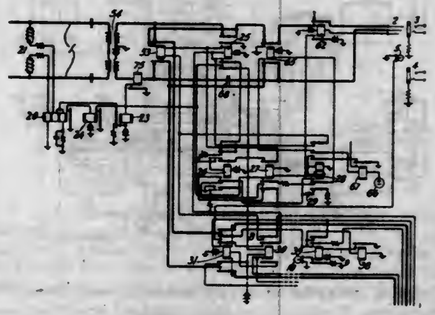
1,632,050. PROTECTIVE DEVICE. GERARD P. WENNEMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1923. Serial No. 676,131. 5 Claims. (Cl. 175—294.)



2. In combination, a thermocouple, a heater element therefor, a measuring instrument associated with said thermocouple, a second thermocouple, a heater element therefor serially connected with the heater element of the first mentioned thermocouple, a resistance of a magnitude equal to the resistance of the heater element of said first thermocouple, and means responsive to the passage of a predetermined current through said second thermocouple for short circuiting said first heater element and substituting therefor said resistance.

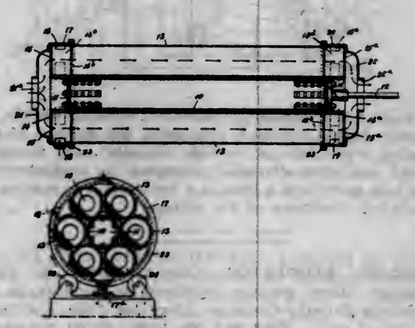
1,632,051. TELEPHONE SYSTEM. WILEY WHITNEY, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1926. Serial No. 125,367. 5 Claims. (Cl. 179—27.)

1. In a telephone system, a trunk, a signal associated with said trunk, an operator's telephone set and an impulse sender, means responsive to the seizure of said trunk for actuating said signal and for automatically associating said telephone set and sender with said trunk, and means effective incident to the association of said



telephone set and sender with said trunk for actuating said signal in a different manner and for transmitting a signal comprising a plurality of impulses of tone current to said trunk and to said telephone set.

1,632,052. METHOD OF CARBONIZING FUEL BRIQUETTES. ELLSWORTH B. A. ZWOYER, Perth Amboy, N. J., assignor to The General Fuel Briquette Corp., New York, N. Y., a Corporation of New York. Filed Feb. 9, 1923. Serial No. 617,963. 3 Claims. (Cl. 44—10.)

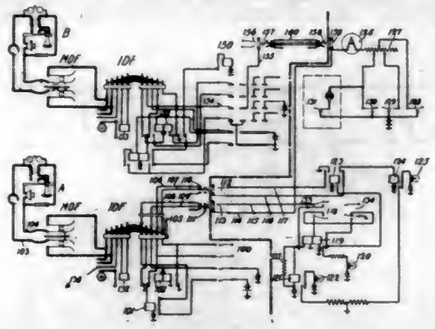


1. The method of treating fuel briquettes containing a normally soluble binder which consists in passing the briquettes through a zone heated to a predetermined degree sufficient to transform said normally soluble binder into a product insoluble in moisture and smokeless in combustion, and slowly moving said briquettes relatively to each other during the travel through said zone, in a manner to subject all parts of all of said briquettes to an approximately equivalent heat treatment and controlling said relative movement to avoid the development of impact forces sufficient to weaken the briquettes during said treatment.

1,632,053. TESTING DEVICE. ARNOLD S. BERTELS, Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1923. Serial No. 650,299. 11 Claims. (Cl. 179—8.)

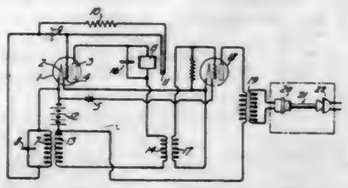
1. In a telephone system, a subscriber's line, a call charging device therefor, a test box, means for connect-

ing said test box to said line, a source of current, and means in said test box for applying current of different



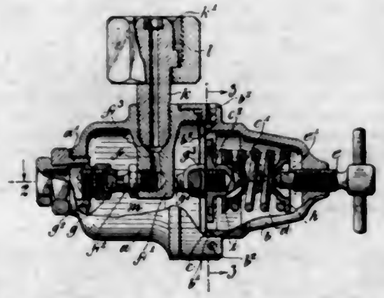
prescribed strengths from said source to said device for determining if said device is in standard operating condition.

1,632,054. OSCILLATION GENERATOR. JOHN T. L. BROWN, New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 3, 1923. Serial No. 678,117. 12 Claims. (Cl. 250—36.)



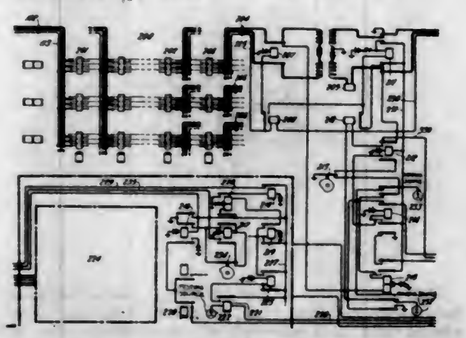
1. In a self-oscillating system including an electric discharge device having a leak path, the method of producing oscillations of variable frequency and amplitude which comprises alternately changing the conductivity of the leak path from a high to a low value, for varying the electrical conditions of the system.

1,632,055. REGULATOR. LORN CAMPBELL, Jr., Minneapolis, Minn., assignor, by mesne assignments, to The Harris Calorific Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 16, 1925. Serial No. 69,302. 2 Claims. (Cl. 50—23.)



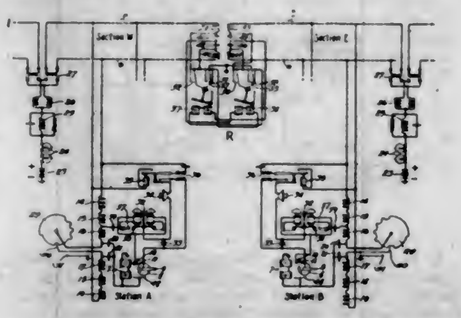
1. In a pressure reducing valve, in combination with a casing and a bonnet, said bonnet having a plurality of vent holes formed therein, a movable diaphragm mounted therewithin between the casing and the bonnet, and a plurality of shearing points formed integrally on the inner wall of the bonnet and disposed in line with the vent holes and at right angles to the diaphragm and adjacent to and around its perimeter.

1,632,056. TELEPHONE-EXCHANGE SYSTEM. WARREN W. CARPENTER, Queens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,679. 8 Claims. (Cl. 179—18.)



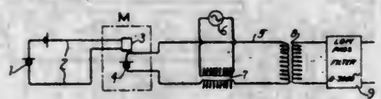
1. In a telephone system, a subscriber's line, a selective switch having operable contacts, a sender for controlling the selective operation of said switch, means for operating the contacts of said switch to extend the talking connection to said line, means for testing the condition of the connection extended to the subscriber's line, and means responsive to said test for releasing the sender.

1,632,057. SIGNALING SYSTEM. LESLIE E. COON, Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1924. Serial No. 701,064. 3 Claims. (Cl. 177—340.)



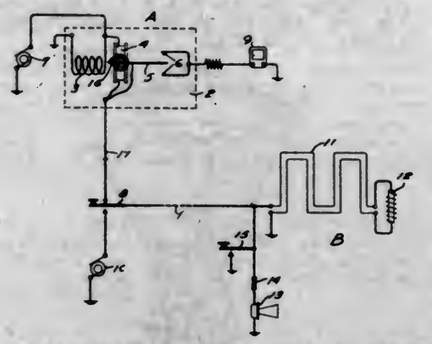
1. In a signaling system, a line circuit comprising a plurality of line sections, a bridge including inductive and capacity devices connected across each of said line sections, a selector connected between ground and the midpoint of each bridge, a source of current individual to each line section, bridges including inductive and capacity devices connected across the terminals of adjacent line sections, a polarized relay connected between ground and the midpoint of each of said last mentioned bridges means including the source of current for discharging and charging the condensers bridged across each line section to operate the selectors and polarized relays thereon, and means controlled by said polarized relays for dicharging and charging the condensers in the bridges associated with the selectors on the adjacent line section.

1,632,058. SECRET SIGNALING. ROY E. CORAM, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1923. Serial No. 676,031. 8 Claims. (Cl. 178—44.)



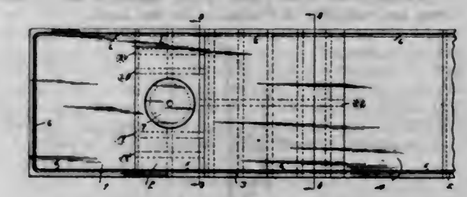
1. In combination, a circuit including a source of sustained carrier waves of a frequency at least as high as the upper essential speech frequencies, a mechanically variable resistance controlled in said circuit to modulate said carrier waves, said resistance being varied to produce modulated carrier waves having a lower side band within the audio frequency range, and a filter for transmitting only said lower side band.

1,632,059. ALARM SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1922. Serial No. 582,110. 2 Claims. (Cl. 177—314.)



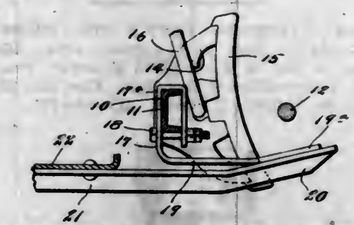
1. An alarm system comprising a line circuit interconnecting a central station and a substation, an alarm device and a source of alternating current at said central station energizing said line circuit, a galvanometer at said central station, said galvanometer having its field coil excited locally by said source of current and its moving coil connected in series with said line circuit, and a spring for normally holding the movable coil against the torque exerted by the magnetic field in each of said coils, said movable coil being responsive to a change in the relation of the phase angle of the currents in the field and movable coils for operating said alarm device.

1,632,060. NONWARPING STOVE TOP. GEORGE DOUGLAS, San Francisco, Calif. Filed Oct. 26, 1925. Serial No. 65,034. 3 Claims. (Cl. 126—211.)



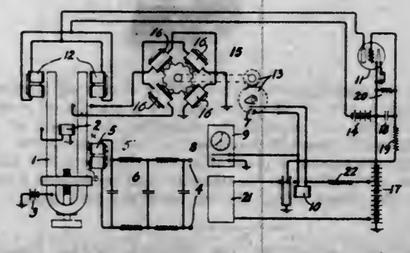
1. A cast iron cover for ranges, comprising smooth top sections having overlapping edges whereby a cover of any desired length may be built up, transverse and longitudinal hollow ribs cast on the bottom portion of said top, said hollow ribs being filled with asbestos.

1,632,061. BRAKE-BEAM GUIDE. HERBERT W. EKHOLM, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1924. Serial No. 687,664. 9 Claims. (Cl. 188—213.)



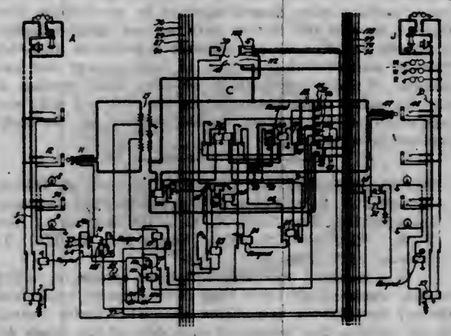
1. A brake beam guide compriaing a resilient element adapted to have cooperating engagement with the rear part of a trussed brake beam, and a member adapted to be secured to a part of a truck and extending under said brake beam to form a support for said resilient element.

1,632,062. REGULATOR. JOHN G. FERGUSON, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 9, 1923. Serial No. 656,549. 8 Claims. (Cl. 172—293.)



1. A regulator for a current translating device capable of producing motion comprising a clock, and means comprising a space discharge device controlled by the conjoint action of the translating device and the time clock for regulating the rate of translation of said translating device.

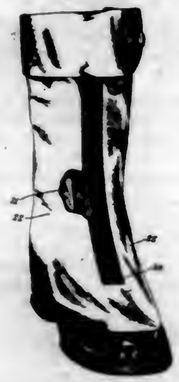
1,632,063. TELEPHONE SYSTEM. CLARENCE B. FOWLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,827. 12 Claims. (Cl. 179—58.)



1. In a telephone system, a telephone line, a link circuit, a signal for the link circuit, a source of current, means for first connecting current from said source to

said signal to actuate said signal when the subscriber of said line hangs up after completing a call, and means for intermittently shunting said signal to flash said signal when the subscriber of said line recalls.

1,632,064. FASTENING DEVICE FOR SHOES AND THE LIKE. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 13, 1924. Serial No. 713,087. 2 Claims. (Cl. 24—205.)



1. A fastening device comprising a pair of anchorage strips, a row of clasps secured on a margin of each of the strips and a slide for engaging the clasps of one strip with those of the other, at least one of the said strips comprising a piece of locally-yielding fabric folded upon itself about an inextensible cord to provide a bead, and the clasps being secured upon the said bead.

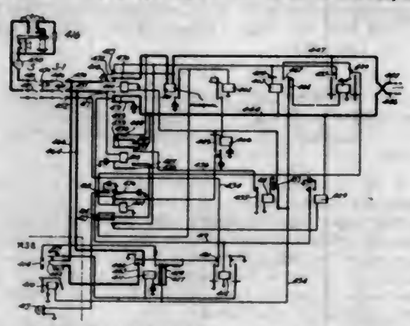
1,632,065. RUPTURE OR HERNIA TRUSS. ERNEST GIFFHORN, Newark, N. J. Filed Nov. 20, 1925. Serial No. 70,252. 3 Claims. (Cl. 128—103.)



1. In a truss a bowed main body-portion, a fastening-portion, the adjoining ends of said body-portion and fastening-portion being hinged together in overlapping relation to provide the former with an end member underlying the latter, and an adjustable set-screw threaded through said fastening portion to bear against said end member of said body-portion whereby both spacing of said fastening portion away from the wearer's body and regulation of the tension exerted thereby on the body-portion is attained.

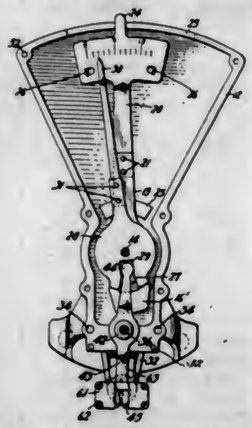
1,632,066. TELEPHONE SYSTEM. ALFRED E. HAGUE, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 4, 1924. Serial No. 696,776. 13 Claims. (Cl. 179—27.)

1. In a machine switching telephone system, a calling line, a trunk circuit, switching mechanism at either end thereof operable in association therewith under control of the calling line, means at each end of the trunk for indicating when it is busy, means including a relay bridged across the trunk at the end adjacent to the calling line for holding the trunk busy thereat after the calling line disconnects while permitting the switching mechanism at the distant end of the trunk to release, and



means controlled by said bridging relay for thereafter releasing the remaining switching mechanism and removing the busy condition from the trunk.

1,632,067. CLEARANCE GAUGE. LEON N. HAMPTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1922. Serial No. 607,110. 7 Claims. (Cl. 33—172.)



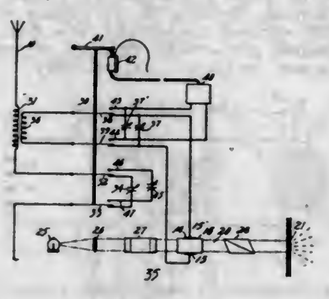
1. A gauge of the character described comprising a scale, an indicating member associated therewith, means for adjusting said member with respect to said scale, and means actuated by the device to be tested for limiting the adjustment of said member.

1,632,068. PHONIC DIAPHRAGM. HENRY C. HARRISON, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 19, 1923. Serial No. 646,307. 5 Claims. (Cl. 181—32.)



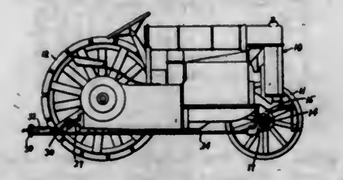
1. A composite phonic diaphragm comprising a plurality of corrugated diaphragms, the corrugations of one of said diaphragms crossing the corrugations of another of said diaphragms.

1,632,069. WAVE TRANSMISSION SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1924. Serial No. 731,914. 2 Claims. (Cl. 250—20.)



1. A communication system comprising means for receiving carrier waves from a remote station, a source of light, two crossed Nicol prisms in the path thereof, whereby the plane polarized light passing the first prism is prevented from passing the second, means between said prisms responsive to said received waves to rotate the plane of polarization of a beam of light, and means responsive to light traversing both of said prisms to produce an indication that the remote station is calling.

1,632,070. DRAWBAR ATTACHMENT FOR TRACTORS. ROB C. HAWKINS, Long Beach, Calif., assignor to "H H" Manufacturers, Inc., Long Beach, Calif., a Corporation of California. Filed Feb. 24, 1926. Serial No. 90,233. 12 Claims. (Cl. 280—33.44.)



1. In a tractor including a frame having a front axle thereon, said frame including a portion disposed about said axle, a rear bracket on said frame, a drawbar, means to secure said drawbar to said frame, said means engaging said portion of the frame which is disposed about the axle, the draft on said drawbar being transmitted to said means both in pulling and pushing, a platform arranged below and in the rear of said bracket and means on said drawbar engaging said platform to prevent downward movement of said drawbar, said drawbar having a pull member thereon.

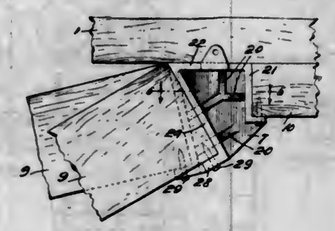
1,632,071. CURTAIN-ROD BRACKET. JAMES N. HENRY, Providence, R. I. Filed Sept. 29, 1926. Serial No. 138,407. 5 Claims. (Cl. 156—22.)

4. In a bracket for curtain rods, a housing end portion, parallel segments integral with the end portion alternately disposed resilient distended segments also integral with the end portion, rounded external shoulders



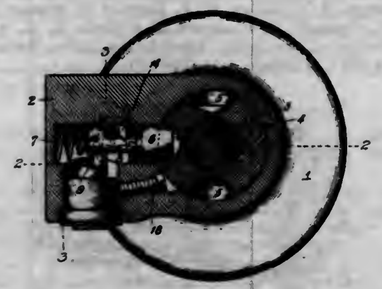
near the free ends of the resilient segments, and laterally extending attaching lugs integral with the ends of the first mentioned segments.

1,632,072. BRACING-BLOCK. ERNEST A. HERRICK and THOMAS LEONARD MACBEAN, New York, N. Y. Original application filed Mar. 21, 1925, Serial No. 17,208. Divided and this application filed Sept. 14, 1925. Serial No. 56,153. 2 Claims. (Cl. 20—94.)



1. A bracing block composed of a connecting web, a timber receiving web at one side of the connecting web and two brace receiving webs at another side of the connecting web, the two receiving webs extending at different dihedral angles from the timber receiving web.

1,632,073. LOCK. GEORGE S. HILL and AUGUSTUS C. SAXTON, Chicago, Ill., assignors, by direct and mesne assignments, to H-B Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 18, 1921. Serial No. 445,945. 4 Claims. (Cl. 70—46.)

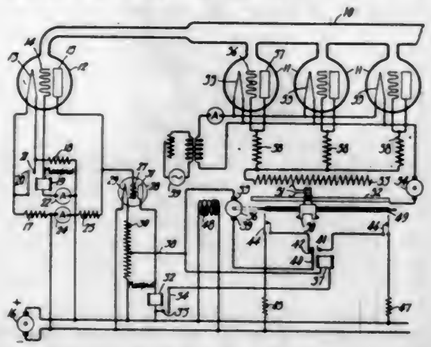


1. In a structure of the character described, a casing, a spring pressed bolt slidable therein, said bolt having a notch in one face thereof adapted to be engaged by a

latch member, one face of said notch being inclined inwardly and backwardly to serve as bolt latch holding means, and a spring pressed bolt latch adapted to be seated in said notch by spring pressure and having an inclined face adapted to co-operate with the inclined face of the notch in the bolt to assist in preventing accidental release of the bolt from withdrawn position.

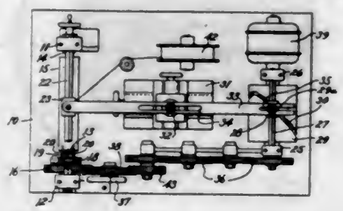
4. In a lock, a casing having an aperture for the reception of a locking bolt and an opening for the reception of a member to be locked by said bolt, said casing being provided with a chamber extending inwardly from an outer face thereof to the bolt receiving aperture and adapted to receive a lock cylinder therein, an aperture extending from said opening through the casing into the lock cylinder receiving chamber, a lock cylinder mounted in said chamber, and a holding member extending through said second named aperture into the cylinder receiving chamber and into engagement with the cylinder to hold the same in place within the casing.

1,632,074. CONTROL APPARATUS. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,076. 13 Claims. (Cl. 250—27.)



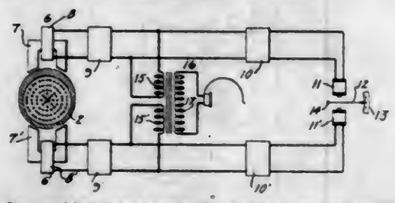
1. In a device of the character described, an electric discharge device to be evacuated, said device comprising a vessel containing a plurality of electrodes, means to cause one of said electrodes to emit electrons, a source of potential connected between said electron emitting electrode and another of said electrodes for establishing a space current therebetween, and means controlled by the pressure of the gas within the device for automatically varying the potential of said source.

1,632,075. WINDING MACHINE. WILLIAM G. HOUSKEEPER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 4, 1924. Serial No. 684,303. 4 Claims. (Cl. 140—71.)



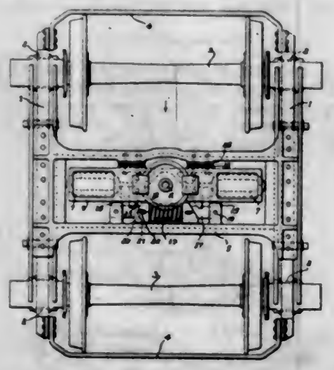
1. In combination, a rotatable mandrel, a rotatable cam having its axis parallel to the axis of said mandrel, a lever supported between said mandrel and said cam, a rod parallel to the axis of said mandrel, a wire guiding member slidably mounted thereon, connections between the opposite ends of said lever and said guide member and cam respectively, and means for rotating said mandrel and said cam.

1,632,076. METHOD OF DETERMINING INEQUALITIES IN WALL THICKNESS OF TUBES. FRANCIS A. HUBBARD, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 22, 1925. Serial No. 24,948. 10 Claims. (Cl. 175—183.)



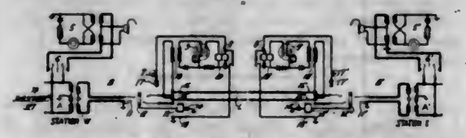
1. In combination, a metallic tube, a circuit including a source of alternating current and said tube, exploring coils located in the magnetic field produced thereby, and means connected to said coils for detecting the asymmetry of the thickness of the wall of said tube.

1,632,077. GUIDING TRUCK. CHARLES JABLOW, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 15, 1923. Serial No. 668,489. 13 Claims. (Cl. 105—189.)



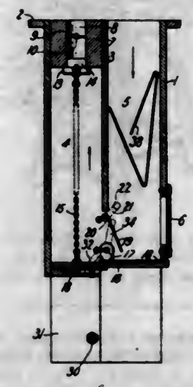
1. A guide truck for railway vehicles comprising a wheeled truck frame, a transom connecting the side frames thereof, a bolster mounted on said transom, and steering means associated with said transom and bolster comprising a plurality of roller links capable of longitudinal and limited lateral movement on said transom.

1,632,078. SIGNALING SYSTEM. JACOB S. JAMMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 20, 1924. Serial No. 721,347. 14 Claims. (Cl. 179—15.)



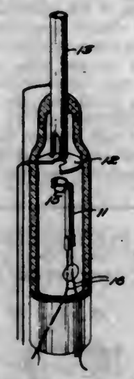
1. In a signaling system, a transmission line, a rectifier connected to said line, a relay in the output of said rectifier, a signal controlled by said relay, a telephone set, and switching means for disconnecting said rectifier from said line and for simultaneously connecting said telephone set to said line.

1,632,079. PNEUMATIC VALVE. GEORGE M. O. JENKINS, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 23, 1924, Serial No. 745,382, and in Great Britain Apr. 23, 1924. 4 Claims. (Cl. 302—2.)



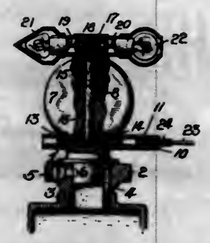
1. In combination, a receiving valve comprising a compartment, a door therefor, a hinged member therein, means for normally maintaining a vacuum therein, said vacuum causing a ticket to be drawn against said hinged member to move the same and a valve operated thereby for shutting off the vacuum, and means simultaneously operated by said hinged member to open said door to release the ticket.

1,632,080. ELECTRIC DISCHARGE DEVICE. JOHN BERTRAND JOHNSON, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1921. Serial No. 524,874. 2 Claims. (Cl. 250—27.5.)



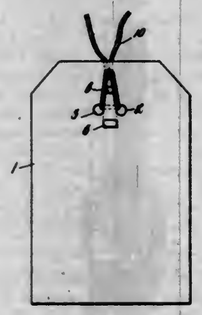
1. In an electron discharge device an enclosing vessel containing a gaseous atmosphere, a substantially cylindrical tubular anode, a cathode comprising a metallic ribbon having a substantially ring-shaped portion, said ring-shaped portion being spaced from and substantially in alignment with said anode, the interior diameter of said ring-shaped portion being at least as great as the interior diameter of said anode, means for supplying heating current to said cathode and means for establishing a difference of potential between said anode and cathode.

1,632,081. SIGNALING DEVICE FOR AUTOMOBILES. SHELDON LEE JONES, Brooklyn, N. Y. Filed July 31, 1923. Serial No. 654,838. 2 Claims. (Cl. 177—327.)



1. In a turning signal for automobiles, an indicator, means for rotatably mounting the same on the radiator cap, an electric bulb on said indicator, an operating member adapted to be mounted adjacent the driver's seat, an electric wire connecting said indicator and member and a flexible casing and insulation for said wire, whereby said wire is adapted to transmit both push and pull, an electric switch having one of its contacts on said wire, a source of electrical current, and an electrical connection between said source and said switch, and between said wire and said bulb, whereby said wire also serves to transmit current between said switch and bulb.

1,632,082. SHIPPING TAG. WILLIAM G. JOPSON, Wellesley, Mass., assignor, by mesne assignments, to C. A. Reed Company, Williamsport, Pa., a Corporation of Delaware. Filed June 22, 1923. Serial No. 647,036. 8 Claims. (Cl. 40—27.)

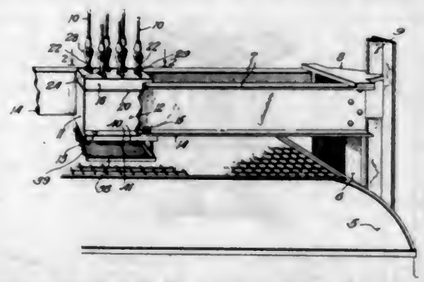


1. A shipping tag having a body portion provided with a pair of spaced perforations therethrough, and a reinforcement passing between said perforations on one face of the tag and over which a loop of string having its ends passed through said perforations may bear, said reinforcement having a transverse shoulder against which the loop may bear.

1,632,083. CABLE EQUALIZER. EDWIN F. KIECKHEFER, Milwaukee, Wis. Filed June 9, 1924. Serial No. 718,879. 4 Claims. (Cl. 187—1.)

3. A cable equalizer of the character described, comprising a block member, a plurality of cylinders formed in the block member, channels grooved in the upper face of the block member and affording communication between the cylinders, a head plate secured to the block member and closing the upper ends of the cylinders, pistons mounted in the cylinders, rods secured to the pistons and passed outwardly of the cylinders through the means closing the upper ends thereof, means surrounding the piston rods at their point of passage through the head member to provide a slidable fluid tight joint, means for securing lifting cables to the upper ends of said rods, a

fluid medium filling the upper ends of the cylinders whereby unequal stress on one piston displaces a portion of the fluid medium therein and said displaced fluid medium



being distributed to the other cylinders through the grooved channels, and means extended from the head plate for facilitating the insertion of the fluid medium.

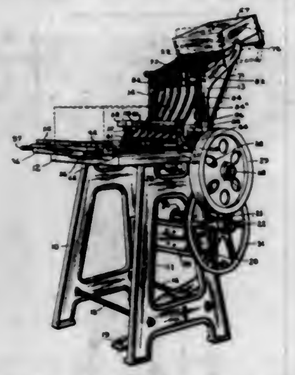
1,632,084. MERCURIAL BAROMETER. PAUL E. KLOPSTEG and HERMAN PAUL SACHSE, Chicago, Ill., assignors to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1922. Serial No. 604,219. 5 Claims. (Cl. 73—4.)



1. In a mercurial barometer the combination of a column open at one end, a collar fixed to the column adjacent to the open end and having an air pocket therein, and a cistern threadedly engaged with the collar and communicating with the column and the air pocket.

1,632,085. BOX-NAILING MACHINE. ROBERT F. KURZ, New Haven, Conn., assignor of two-thirds to Fred A. Damon and one-third to Frank Starita, New Haven, Conn. Filed Apr. 18, 1923. Serial No. 632,912. 18 Claims. (Cl. 1—10.)

9. In a nailing machine, a frame, a work carrier slidingly mounted thereon, a nail guide tiltably secured to said carrier, means to deliver a nail to said nail guide, nail driving means relatively stationary in respect to said carrier, means to clamp the work against a portion of said carrier, said clamping means being adapted to move said carrier toward said driving means when the work is clamped thereby, whereby the nail is forced from said nail guide into the work by said nail driving means, means associated with said nail guide for tilting the same during the nail driving operation, whereby the nail body is held in a horizontal position, and means associated with said carrier and operable in timed relation to the



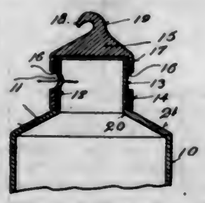
movement thereof whereby another nail is delivered to said nail guide after the return of said carrier and work clamping means to their inoperative position.

1,632,086. CLOSURE. NIXON LEE, Brooklyn, N. Y. Filed June 18, 1920. Serial No. 389,859. 7 Claims. (Cl. 215—43.)



1. A closure for container openings comprising, in combination, a circular closure member formed integrally of resilient sheet metal having an upwardly projecting centrally-disposed dome and with its rim crimped annularly about the outer edges of a circular compressible liner in contact with the rim of the container opening inside the crimped rim of the closure member bearing only on the liner along its peripheral margin in vertical alinement with said container opening rim, and on outer cap secured rotatably to the container and bearing centrally, anti-frictionally and yieldingly only on the dome of said closure member simultaneously to press inwardly and also radially expand both closure member and liner as a unit in all directions with substantially uniform pressure on the rim of the container opening.

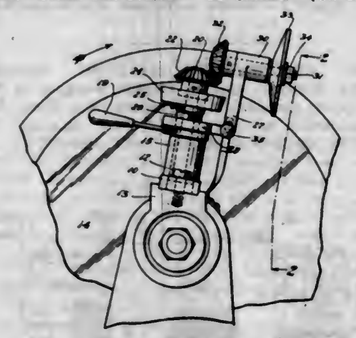
1,632,087. TOOTH-PASTE HOLDER. HENRY LILLFORD, New York, N. Y. Filed Oct. 17, 1925. Serial No. 62,948. 1 Claim. (Cl. 221—60.)



A tube for holding paste and the like, said tube including a neck having an aperture in the side wall thereof, a crown fitted over the outer end of said neck beyond

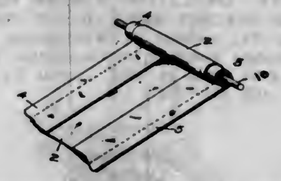
said aperture and secured thereto for forming an abutment, a closing ring axially movable on said neck for closing said aperture, and abutting against said abutment, and a hook integral with said crown.

1,632,088. SHARPENING DEVICE FOR SLICING-MACHINE KNIVES. PATRICK J. LUCEY, South Bend, Ind., assignor to Lucey Slicing Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1922. Serial No. 572,921. 15 Claims. (Cl. 51—248.)



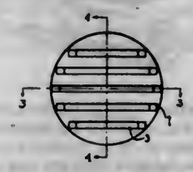
1. A device for sharpening the bevel edge of a circular rotary knife of a slicing machine, comprising in combination, a rotary knife sharpening member, means driven by the engagement with the side of a knife, operative connections between said knife driven means and said sharpener, and handle means for readily swinging said sharpening member into and out of engagement with said knife.

1,632,089. GRID LEAK FOR RADIO APPARATUS. RALPH E. MARBURY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 24, 1921. Serial No. 439,360. 8 Claims. (Cl. 201—74.)



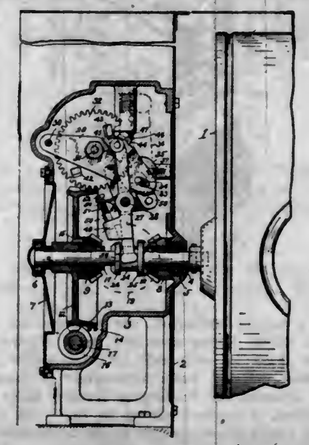
3. A resistance unit comprising a rolled sheet of fibrous insulating material and a strip of foil at each edge of said sheet, the outer edges of said foils extending beyond the edges of said sheet and the inner edges thereof being separated, said sheet of insulating material carrying a finely divided conducting material and a binding material.

1,632,090. METHOD OF MAKING STRAINER PLUGS. JOSEPH HENRY MCEVOY, Jr., Houston, Tex. Filed Feb. 6, 1926. Serial No. 86,446. 6 Claims. (Cl. 29—163.5.)



1. A process of forming strainer plugs comprising forming a plane metal disk of the desired thickness, milling a series of parallel slots from each side of said disk, the slots on one side being registered with those on the other side, and punching out the material at each end of each of the slots to leave end walls of the character described.

1,632,091. WASHER DRIVE MECHANISM. HARRY W. MITCHELL, Cleveland, Ohio, assignor to G. F. Mitchell & Son, a Partnership composed of George F. Mitchell, George R. Mitchell, and Harry W. Mitchell, Cleveland, Ohio. Filed Apr. 2, 1923. Serial No. 629,278. 11 Claims. (Cl. 74—50.)



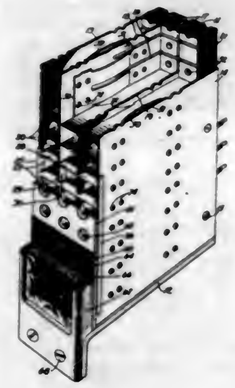
1. A washer drive mechanism comprising a drive shaft, a driven shaft, a pair of rotatable members loose upon the driven shaft, means for continuously driving said members in opposite directions from the drive shaft, a shiftable clutch element adapted to be shifted to alternately clutch said members to the driven shaft, clutch shifting mechanism operated by the drive shaft for alternately shifting the clutch element in opposite directions, and means for simultaneously disconnecting said clutch shifting mechanism from the drive shaft and moving said clutch element to neutral position out of engagement with both the rotatable members on the driven shaft.

1,632,092. VELOCIPEDE. WILLIAM W. MORRILL and WILLIAM V. MORRILL, Spokane, Wash. Filed May 22, 1926. Serial No. 110,991. 2 Claims. (Cl. 208—42.)



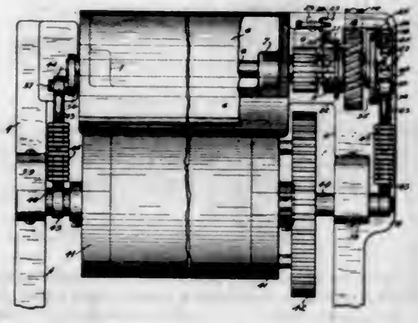
1. In a velocipede the combination with a main frame, steering wheel and rear driving wheel, and a crank shaft for the driving wheel, of a pedal mechanism and means for transmitting power therefrom to the crank shaft, a rock shaft having a rock yoke and rocking seat supported on the frame, and a pitman connecting from the crank shaft to the rock yoke.

1,632,093. CALL INDICATOR. EMIL C. MUELLER, Jr., Elizabeth, and STANLEY T. CURRAN, Mountain Lakes, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 5, 1925. Serial No. 73,349. 2 Claims. (Cl. 177—326.)



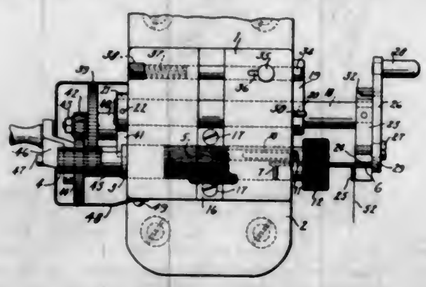
2. In a signal indicator, the combination of a plurality of signal lamps arranged in a cellular structure with one lamp in each cell, said structure comprising longitudinal division walls alternately of metal and insulating material and transverse division walls of insulating material, a contact spring in each cell attached to the metal longitudinal division walls, transverse end plates of metal connected to the longitudinal metal division walls, each lamp being adapted to have one of its terminals make electrical contact with the contact spring in the cell where the lamp is inserted so that said terminals of all of the lamps will be electrically connected together through the springs and longitudinal division walls to the metal end plates.

1,632,094. IRONING MACHINE. ARTHUR S. NEWSHAM and PAUL A. VIBRSEN, Chicago, Ill., and GUSTAV MISCH, Pittsburgh, Pa., assignors, by direct and mesne assignments, of one-third to H. O. Swoboda, Inc., Pittsburgh, Pa., a Corporation of Pennsylvania, and two-thirds to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 10, 1919, Serial No. 276,097. Renewed Sept. 26, 1922. Serial No. 590,599½. 8 Claims. (Cl. 68—9.)



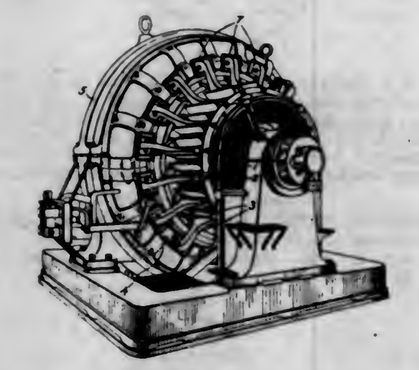
1. In an ironing machine, a frame, a shoe carried by said frame, a normally stationary rotary shaft associated with said frame and shoe, a rotary roller shaft journaled in said frame and adapted for movement laterally in its bearings, a roller arranged upon said shaft for cooperation with said shoe, means normally loose upon said first named shaft for transmitting rotary movement to said roller shaft in a predetermined position of the same in its bearings, foot controlled means whereby said first named means may be made fast to its shaft to cause a predetermined movement of the same, means whereby rotary movement of one of said shafts will cause a movement of the other shaft laterally in its bearings and subsequently arrest the rotary movement of said first named shaft.

1,632,095. GRID-WINDING MACHINE. EDWIN E. NEWTON, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1925. Serial No. 52,564. 11 Claims. (Cl. 153—67.)



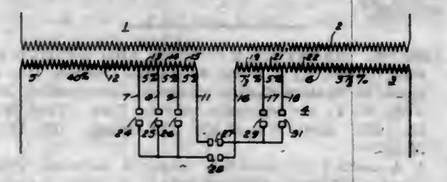
1. A grid winding machine comprising a casing, a threaded shaft in said casing, a rotatable mandrel carried by said shaft, wire receiving means carried by said mandrel, clamping means surrounding said receiving means and mandrel, and means to rotate and reciprocate said shaft.

1,632,096. INSULATING WASHER FOR BRUSH-HOLDER BRACKET ARMS. REX H. NEWTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 26, 1925. Serial No. 58,818. 2 Claims. (Cl. 171—324.)



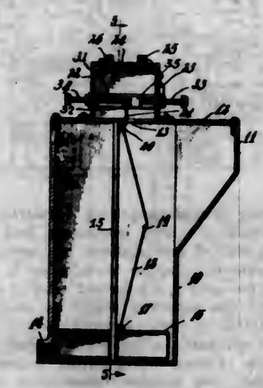
2. The combination with a rotating current-collecting device, of a plurality of stationary brushes disposed thereabout, brush-holder brackets for said brushes, an annular supporting member for said brackets, and insulating means including baffle flanges extending outwardly away from said supporting member for providing an insulating surface, which is protected from the windage of the rotating device, in the leakage path from each bracket.

1,632,097. TRANSFORMER WINDING. JOHN F. PETERS, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 7, 1926. Serial No. 114,228. 4 Claims. (Cl. 171—119.)



1. An electrical winding comprising a plurality of divisions, one of which comprises a standard section having a definite number of turns, the other division comprising a section the number of turns of which is the product of the number of turns in the standard section and a number evenly divisible by one-half, and means for controlling connections of the several divisions and sections to vary the voltage of the winding in steps corresponding to changes of one-half the number of the turns in the first named section.

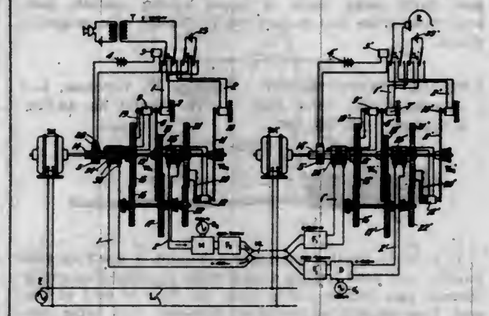
1,632,098. FLOAT-OPERATED CIRCUIT CLOSER. MARIANO ROSALES, San Antonio, Tex. Filed June 22, 1925. Serial No. 38,617. 2 Claims. (Cl. 290—84.)



1. In a device of the class described, having a pivoted rod movable by a float, the combination of a casing, rails depending from said casing, blocks slidable between said rails, adjusting screws engaging said casing, and abutting said blocks, springs depending from said blocks and projecting into the line of movement of said rod, contacts on said springs, other contacts engageable with said contacts, and depending from said blocks, some of the latter contacts being located in the front of said springs, and other of the latter contacts being located in the rear of said springs, whereby a forward movement of said rod closes a pair of said coactive contacts, and a continued forward movement opens another pair of said coactive contacts.

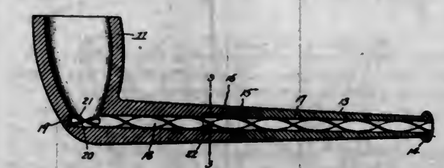
1,632,099. SECRET SIGNALING. JOHN C. SCHELLENG, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 12, 1925. Serial No. 49,785. 10 Claims. (Cl. 179—1.)

1. The method of securing secrecy in the transmission of message waves comprising a band of frequency components, which method consists in dividing said message waves arbitrarily into sets of fragments on a time basis, reducing the frequency of each component of the successive fragments by a factor equal to the number of



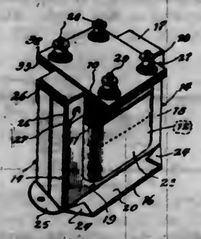
fragments in a set, superposing the various fragments of a set, the components of which are changed in frequency, and transmitting together the superposed fragments.

1,632,100. SMOKING PIPE. EVERETT W. SWARTWOUT, White Plains, N. Y. Filed Oct. 30, 1923. Serial No. 671,633. 1 Claim. (Cl. 131—12.)



The combination of a pipe comprising a bowl portion, a bowl stem portion, a bored mouth piece stem portion and means for disconnectibly connecting said mouth piece stem portion with said bowl stem portion, said connecting means comprising a tubular member secured to and projecting from said mouth piece stem portion, said tubular member being provided with a set of bayonet slots, a spirally arranged member disposed in the bore of said bowl stem portion and the bore of said mouth piece stem portion, said spiral member engaging the walls of said bores at spirally continuous locations, a set of lugs carried by and projecting from said spiral member and removably received within said set of bayonet slots.

1,632,101. AMPLIFYING TRANSFORMER. CHESTER H. THORDARSON, Chicago, Ill. Filed Oct. 18, 1922. Serial No. 595,231. 5 Claims. (Cl. 175—361.)



1. A transformer and magnetic shield casing comprising, in combination, a shell type core and primary and secondary windings thereon, said casing comprising side members, each consisting of a plate to bear at its ends against the transformer core and curved between its ends to embrace the transformer windings, and including also a pair of side members each consisting of angle post parts

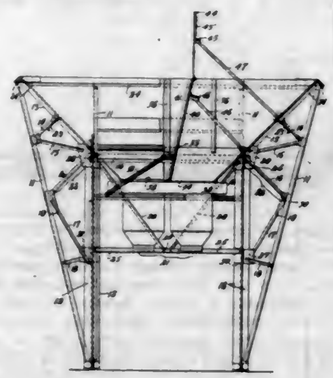
to embrace the corners of the core and to fit over said plate ends, and means to interlock the members of said casing together on the core and winding, said plates and post parts being made of metal having smooth, non-projecting areas and having the properties of a magnetic shield.

1,632,102. TOOTHBRUSH. WILLIAM H. VATCHER, Los Angeles, Calif. Filed July 1, 1925. Serial No. 40,774. 2 Claims. (Cl. 15—167.)



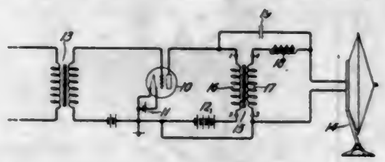
1. A tooth brush comprising a handle, a head on said handle, said head having a longitudinally extending cavity therein, and bristles rising from the floor of said cavity, said floor sloping upwardly at the ends and being substantially arcuate in cross section.

1,632,103. BIN. WILLIAM M. VENABLE, Pittsburgh, Pa., assignor to Blaw-Knox Company, a Corporation of New Jersey. Filed Sept. 5, 1925. Serial No. 54,596. 15 Claims. (Cl. 189—3.)



1. The combination with a bin of a fabricated supporting leg for the bin having upwardly and outwardly divergent branches laterally sustaining adjacent bin sides.

1,632,104. TRANSMISSION CIRCUITS. DONALD F. WHITING, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1926. Serial No. 126,155. 5 Claims. (Cl. 178—44.)

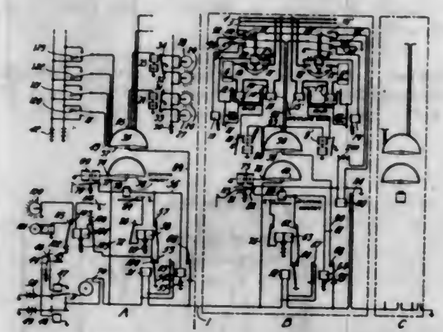


1. In combination two circuits having different impedance-frequency characteristics and means for coupling said circuits to substantially uniformly transmit a wide range of frequencies, said means comprising a transformer having windings connected to said circuits and of such an impedance ratio as to efficiently couple the circuits for frequencies in the lower portion of said range, an inductance element connected in series between one terminal of one of said windings and the circuit connected to said winding, a capacity element connected in shunt to said transformer and inductance element between a terminal of the other of said windings and the terminal of said inductance element adjacent said circuit, and connections between the other terminals of said windings.

1,632,105. MAGNETIC MATERIAL AND METHOD OF PRODUCING IT. LYALL ZICKRICK, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1925. Serial No. 18,324. 12 Claims. (Cl. 175—21.)

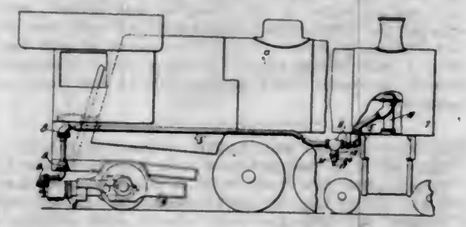
1. A method of producing magnetic material, which consists in alloying antimony with a magnetic material, and reducing the resulting product to finely divided form.

1,632,106. SIGNALING SYSTEM. FERDINAND ZOGBAUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1923. Serial No. 676,843. 6 Claims. (Cl. 177—353.)



1. A signaling system comprising a central station and a remote station, a circuit connecting said stations, a distributor at each of said stations, an operating magnet for each of said distributors included in a circuit normally open at two points, a polarized relay at each station, means whereby the polarized relays are controlled from the central station to close the associated operating magnet circuit at one point, a line relay in said first circuit at each station to close the operating magnet circuit at the other point, and impulse transmitting means associated with said circuit at said central station for operating said line relays.

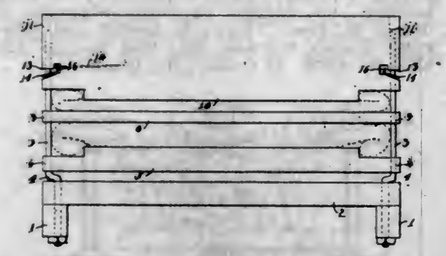
1,632,107. EXHAUST AND SEPARATOR SYSTEM FOR LOCOMOTIVES. GEORGE H. ZOUCK, Orange, N. J., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed Apr. 23, 1925. Serial No. 25,199. 3 Claims. (Cl. 105—37.)



1. The combination with a locomotive smoke-box and the main engine exhaust means discharging thereinto, of an auxiliary exhaust line, a separator in the exhaust line

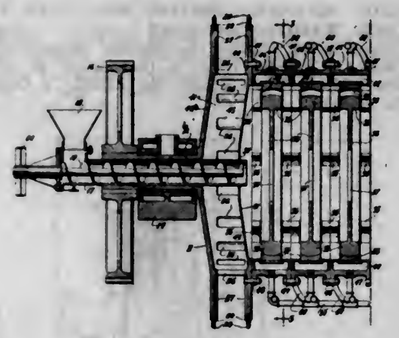
with a discharge for the separated liquid, and means for preventing draft of air through the separator into the smoke-box by the locomotive.

1,632,108. CLAMPING DEVICE. LYMAN P. ARMSTRONG, San Jose, Calif. Filed Mar. 4, 1926. Serial No. 92,253. 3 Claims. (Cl. 5—320.)



2. A structure of the character described comprising a frame, a pair of spaced parallel rods mounted thereon, parallelly arranged jaw members slidably mounted on said rods, the jaw member remote from said frame having a slot formed in each end thereof, a metal plate loosely mounted in each slot and provided with an orifice through which the adjacent rod passes, and means for tilting the plate in the slot.

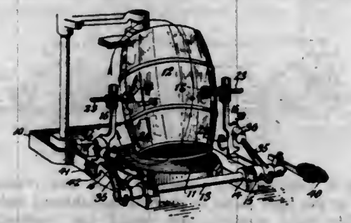
1,632,109. GRINDING AND DRYING APPARATUS. JOHN E. BELL, Brooklyn, N. Y., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Jan. 12, 1922. Serial No. 528,669. 23 Claims. (Cl. 83—9.)



1. A continuous grinding and drying mill comprising a rotary casing with grinding means therein and peripheral portage at one end, and stationary casing means arranged annularly about said portage and substantially sealing with the rotary casing above and below at either side of said portage, for discharge of ground material from the rotary casing below and passage of a medium for drying such material above.

1,632,110. BARREL-REVERSING MECHANISM. EDWIN F. BEUCLER, Buffalo, N. Y., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y., a Corporation of New York. Filed July 12, 1924. Serial No. 725,748. 12 Claims. (Cl. 147—6.)

1. A barrel reversing mechanism comprising two rotatable jaws adapted to engage with opposite sides of a barrel, gripper arms which carry said jaws and which turn about longitudinal horizontal axes, lifting arms



which turn about a transverse horizontal axis and to which the gripper arms are pivoted and means for operating said arms and jaws simultaneously.

1,632,111. SAFETY GAS-STOVE LOCK. GIULIO BEVILACQUA, Clifton, N. J. Filed Sept. 3, 1926. Serial No. 133,356. 4 Claims. (Cl. 126—42.)



1. An attachment for gas stoves comprising a channel shaped guard disposed over the cocks of the stove when they are in a closed position, said guard being composed of two mutually slidable sections, upturned beadings on the lower edges of one of said sections to receive and guide the edges of the other section, hook engaging means at one end of said guard, said means being rigidly held in the beadings, a spring at the opposite end of said guard, and means to engage the free end of the spring to a fixed part of the stove.

1,632,112. CONNECTER MEMBER. CARL BRAMMING, Chicago, Ill., assignor to Accessories Manufacturing Company, a Corporation of Illinois. Filed Aug. 12, 1925. Serial No. 49,793. 9 Claims. (Cl. 173—269.)



3. A terminal plug comprising a conductor provided with a resilient portion having a transverse opening through one end thereof for the reception of the end of a wire conductor and a spring-pressed contact member in the opposite end thereof.

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5. A method of making condensation products which comprises dissolving a drier in cresol, mixing formaldehyde therewith and heating to cause said ingredients to react, said drier having the condensing properties of "tox tungate."

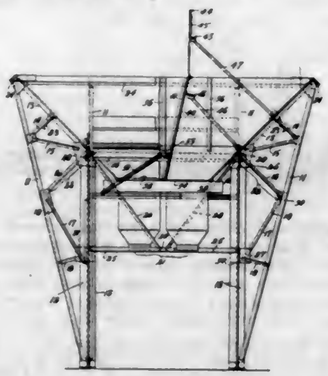
to embrace the corners of the core and to fit over said plate ends, and means to interlock the members of said casing together on the core and winding, said plates and post parts being made of metal having smooth, non-projecting areas and having the properties of a magnetic shield.

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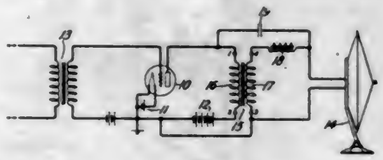
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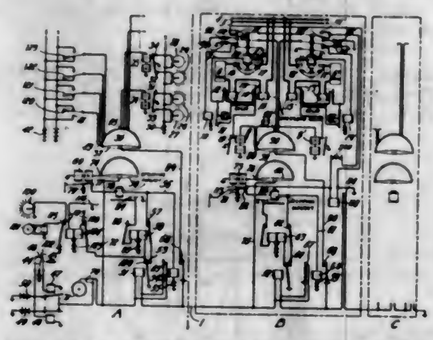


1. In combination two circuits having different impedance-frequency characteristics and means for coupling said circuits to substantially uniformly transmit a wide range of frequencies, said means comprising a transformer having windings connected to said circuits and of such an impedance ratio as to efficiently couple the circuits for frequencies in the lower portion of said range, an inductance element connected in series between one terminal of one of said windings and the circuit connected to said winding, a capacity element connected in shunt to said transformer and inductance element between a terminal of the other of said windings and the terminal of said inductance element adjacent said circuit, and connections between the other terminals of said windings.

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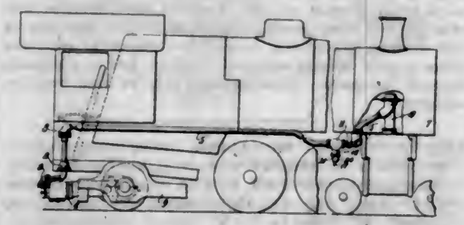
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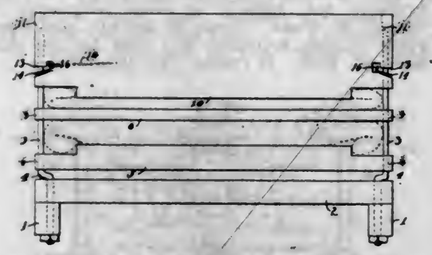


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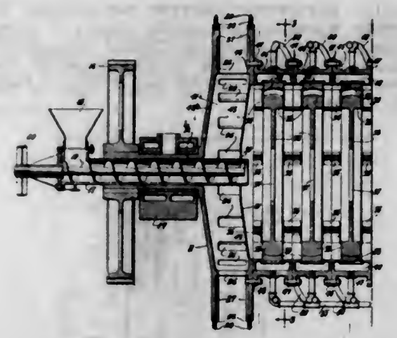
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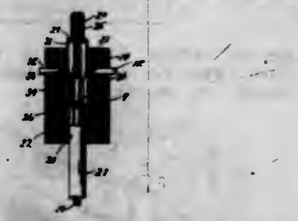
which turn about a transverse horizontal axis and to which the gripper arms are pivoted and means for operating said arms and jaws simultaneously.

1,632,111. SAFETY GAS-STOVE LOCK. GIULIO BEVILACQUA, Clifton, N. J. Filed Sept. 3, 1926. Serial No. 133,356. 4 Claims. (Cl. 126—42.)



1. An attachment for gas stoves comprising a channel shaped guard disposed over the cocks of the stove when they are in a closed position, said guard being composed of two mutually slidable sections, upturned beadings on the lower edges of one of said sections to receive and guide the edges of the other section, hook engaging means at one end of said guard, said means being rigidly held in the beadings, a spring at the opposite end of said guard, and means to engage the free end of the spring to a fixed part of the stove.

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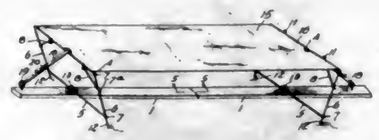


3. A terminal plug comprising a conductor provided with a resilient portion having a transverse opening through one end thereof for the reception of the end of a wire conductor and a spring-pressed contact member in the opposite end thereof.

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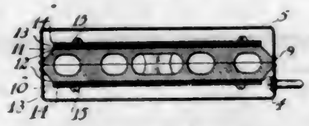
5. A method of making condensation products which comprises dissolving a drier in cresol, mixing formaldehyde therewith and heating to cause said ingredients to react, said drier having the condensing properties of "tox tungate."

1,632,114. FOLDING COT. WILLIAM E. BROWN, Los Angeles, Calif. Filed Sept. 10, 1925. Serial No. 55,433. 8 Claims. (Cl. 5—112.)



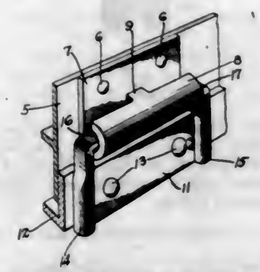
4. In a folding cot, a folding base, end frames connected to the base so as to prevent detachment therefrom, a flexible body support, and means for tensioning the body support between the end frames, and means for collapsing the end frames on the folded base longitudinally thereof with the body support wrapped around the collapsed end frames and folded base.

1,632,115. GREASELESS-DOUGHNUT MACHINE. JOHN A. BURRICHTER, St. Paul, Minn. Filed Feb. 2, 1925. Serial No. 6,215. 2 Claims. (Cl. 53—10.)



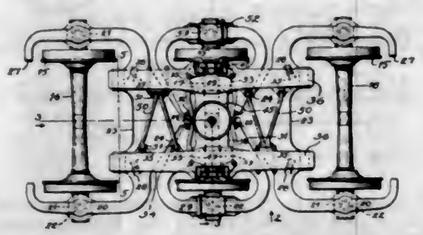
1. A machine for baking doughnuts to render the same greaseless, comprising a pair of hinged cast metal molds, said molds having similarly shaped batter-receiving depressions formed therein to receive the material to be baked, the depressions facing each other in pairs when the molds are closed and each pair being entirely separated from other pairs and shaped to produce a doughnut, said depressions further having centrally located contacting studs forming a heating unit extending throughout the center of the material to be baked, an electrical heating element secured to the outer face of a mold, and a casing for each of said molds secured to the outer edges thereof and spaced from the outer surfaces of the molds and from the outer edges of the heating elements to provide heating spaces throughout the entire area of the molds.

1,632,116. HINGE. OTTO W. L. BUSS, Minneapolis, Minn. Filed Dec. 22, 1923. Serial No. 682,190. 2 Claims. (Cl. 16—171.)



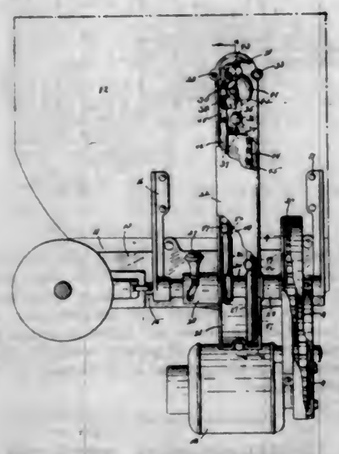
1. A hinge comprising a member having a planiform body portion marginally turned toward itself along one end to provide a bearing, the inner edge of the bearing portion being uniformly spaced from the body of said member to form a longitudinal slot parallel with the body portion of said member, an abutment integrally formed on the edge of said marginal portion of a length equal to the width of said slot and abutting against said body portion, and a complemental hinge member comprising a planiform body portion having oppositely facing pintle members secured to said body portion being of substantially rectangular cross section and of a width equal to the width of said slot, said pintle members terminating short of one another a distance equal to the width of said abutment and adapted to straddle said abutment upon insertion thereof into said slots.

1,632,117. RAILWAY-CAR TRUCK. CARL L. CHARLES, Baltimore, Md., assignor, by mesne assignments, to Herbert M. Brune, Charles E. Scarlett, and Janon Fisher, trustees, Baltimore, Md. Filed Jan. 31, 1925. Serial No. 6,070. 11 Claims. (Cl. 105—166.)



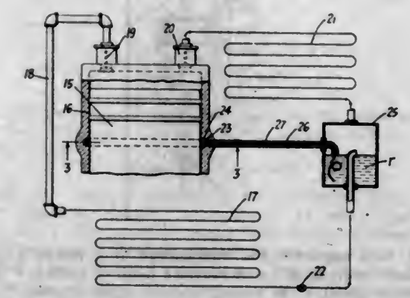
1. The combination with a car body having a king pin and a plurality of wear plates disposed transversely under said body and on each side of said pin, of a car truck comprising wheels, axles for said wheels, journal boxes for said axles, a center plate for engagement with said pin, and a plurality of side bearings disposed transversely on each side of said center plate between said boxes and said wear plates, said bearings on each side of said center plate being adapted to contact successively with said wear plates when the car body rocks, thereby damping the oscillation of said body.

1,632,118. ECCENTRIC DRIVING MECHANISM FOR POWER WASHING MACHINES. HARRY J. CRINER, Clarinda, Iowa, assignor to Clarinda Manufacturing Company, Clarinda, Iowa, a Corporation of Iowa. Filed Sept. 10, 1925. Serial No. 55,497. 2 Claims. (Cl. 74—14.)



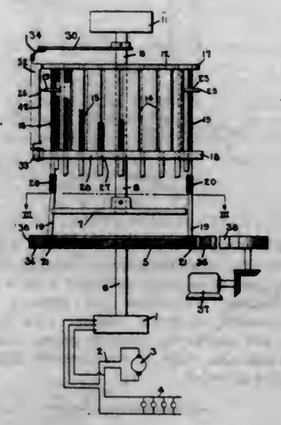
1. A driving mechanism, comprising a support, a driving member journaled on said support and formed with oppositely arranged eccentrics, a housing enclosing said eccentrics and extending at right angles to said driving member, a bearing member mounted in said housing, a slide bearing arranged for rotary oscillation in said bearing member and formed with a peripheral flange resting thereon, a follower shaft arranged for sliding movement in and oscillation with said slide bearing, sprocket teeth arranged peripherally on said slide bearing immediately above said flange, a chain engaging said teeth near its center, and driving connections between the ends of said chain and the respective eccentrics, for the purposes stated.

1,632,119. CYLINDER LUBRICATION. RANSOM W. DAVENPORT, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 25, 1925. Serial No. 58,559. 7 Claims. (Cl. 62—115.)



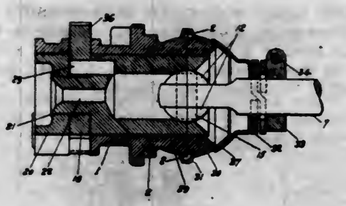
3. In a mechanically operated refrigerating system of the compressor-condenser-vaporizer type, a compressor having a cylinder and a piston reciprocable therein, said cylinder having a groove in the inner wall thereof, a condenser, and means for feeding liquid from said condenser into said groove to lubricate the compressor.

1,632,120. DEMAND METER. DAVID C. DAVIS, Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,570. 6 Claims. (Cl. 234—5.5.)



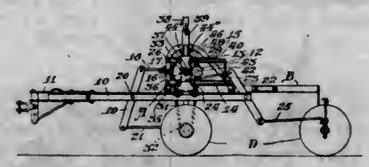
1. A measuring instrument comprising a plurality of recording elements for co-operation with a chart, a meter element, means for successively connecting the recording elements to the meter element for actuation thereby over equal overlapping periods of time and for disconnecting the recording elements from the meter element and resetting the same to an initial position at the ends of said periods, and means for causing each recording element to effect a record on the chart.

1,632,121. UNIVERSAL JOINT. ADIEL Y. DODGE, South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 7, 1924. Serial No. 697,472. 10 Claims. (Cl. 64—103.)



1. In combination, a rotatable shaft having a cam secured at one end and a transverse bore at the other end with a transverse opening through the latter end into the bore, said opening having a minimum width less than the diameter of the bore, and a second shaft having an end formed to enter the slot and bore in the first shaft with means for securing the second shaft end in oscillatable position in said bore consisting of; members formed to fit and substantially fill the bore on both sides of the second shaft end, said members being operatively fastened to said shaft end, a support enclosing all of the first mentioned shaft and cam, except the nose of the cam, said support acting to prevent said second shaft end from moving laterally out of said bore, and yielding means held in position by means on the second shaft for enclosing the joint end of said support.

1,632,122. TRACTOR HARROW. WILLIAM C. DWYER and JOSEPH I. MITCHELL, Auburn, N. Y., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 4, 1922. Serial No. 579,577. 8 Claims. (Cl. 55—83.)



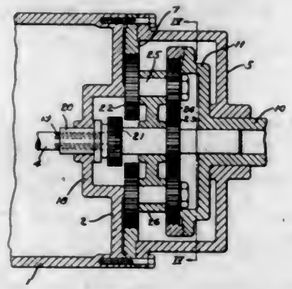
1. The combination with a disk harrow comprising a frame and disk gangs pivoted thereto, of power actuated angling mechanism for the gangs comprising a pinion journaled on the frame, means for driving said pinion in a constant direction, a gang shifting member longitudinally slidable on the frame and carrying oppositely facing rack bars, connections between one end of the gangs and said member, and means for bringing the pinion into mesh with either rack bar to give said gang shifting member positive movement in opposite directions.

3. The combination with a disk harrow comprising a frame and disk gangs pivoted thereto, of traction actuated angling mechanism for the gangs comprising a member slidable back and forth on the frame and provided with opposed rack bars, a movable pinion journaled on the frame and driven by travel of the harrow, connec-

tions between said slidable member and one end of the gangs, and means for moving said pinion into mesh with either rack bar.

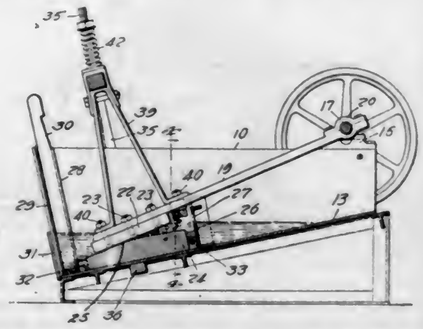
8. A gang angling device for disk harrows comprising a frame having a pair of opposite, inwardly facing, rack bars slidably mounted thereon, a drive pinion journaled on said frame between said rack bars, a second pinion in mesh therewith and journaled on a support movable about the axis of said drive pinion, and means for swinging said support to bring said second pinion into engagement with either rack bar.

1,632,123. REDUCTION-GEAR TRANSMISSION. HARRY DE WITT ELSE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,675. 7 Claims. (Cl. 74—34.)



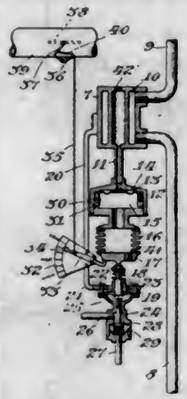
1. A speed-changing device, comprising a casing member, a sleeve gear journalled therein, a shaft extending into said sleeve gear and having a running fit therewith mounted for rotation in said casing, a pair of gear wheels mounted in spaced relation on said shaft, an internal gear securely mounted in said casing, a spider journalled on said shaft, planetary gear-wheels journalled on said spider and adapted to engage the sleeve gear and said internal gear, and means for engaging each of said pair of gear wheels with said planetary gear-wheels.

1,632,124. ORE CRUSHER. THEODORE FREIBERG, Prescott, Ariz. Filed July 12, 1926. Serial No. 121,863. 3 Claims. (Cl. 83—53.)



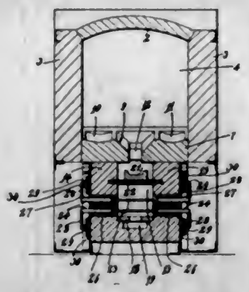
1. An ore crusher comprising a trough having an inclined bottom, a die block mounted at the lower end of the inclined bottom, the upper surface of the die being beveled, a shoe, mounted to reciprocate upon the upper surfaces of said die block, means for feeding ore to be crushed upon the die block, a screen located across the lowermost end of said trough and means for causing the reciprocation of said shoe with respect to the die block.

1,632,125. BOILER REGULATOR. CHARLES A. FRENCH and LAURANCE E. GOIT, Chicago, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 8, 1922. Serial No. 566,885. 6 Claims. (Cl. 236—32.)



1. In a regulator, the combination of a jacket, a bulb therein containing an expansible fluid, a casing, a diaphragm dividing the casing into an upper chamber communicating with the bulb and a lower chamber, an expansion element filled with fluid in communication with the lower chamber, and control means adapted to be actuated in one direction by the expansion element when the fluid in the bulb expands and in the opposite direction when the fluid contracts.

1,632,126. ELECTRIC FURNACE. LAWSON H. GIDDINGS, Pasadena, Calif. Filed Mar. 15, 1926. Serial No. 94,759. 7 Claims. (Cl. 219—35.)

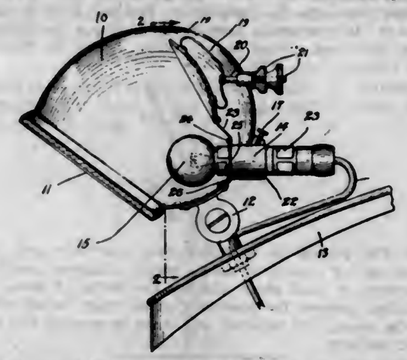


2. In a furnace of the class described, a furnace chamber, a floor for said chamber, a heating chamber below said floor, said floor being provided with a narrow longitudinal opening connecting the furnace chamber and heating chamber, electrical resistor rods in said heating chamber, and means for passing gases longitudinally inwardly along the ends of the resistor rods in entering said heating chamber.

1,632,127. MOTOR-VEHICLE LAMP. WILLIAM L. GOODSTEIN, Waynesburg, Pa. Filed Oct. 8, 1924. Serial No. 742,322. 2 Claims. (Cl. 240—44.)

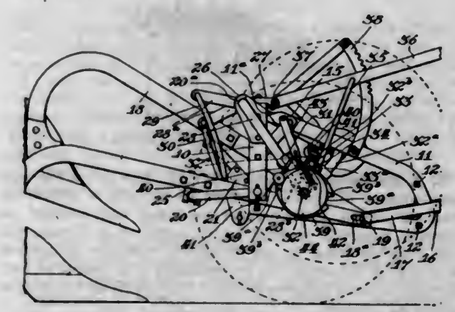
1. In a motor vehicle lamp, a casing, a collar secured in the casing, a lamp socket passing through said collar, means for variably positioning the lamp socket in the casing, a reflector pivotally mounted on said collar, a spring

device mounted on the reflector, and threaded means engageable with the spring device and with the casing, for



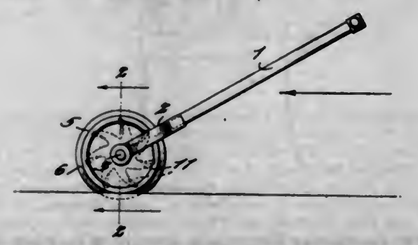
moving the reflector back and forth and for securing it in desired angular relationship with a lamp bulb in the lamp socket.

1,632,128. DEPTH ADJUSTER FOR PLOWS. WILLIAM S. GRAHAM, Canton, Ill., assignor, by mesne assignments, to Fred Gerlach and Arnold B. Keller, trustees, Chicago, Ill. Original application filed Apr. 17, 1922, Serial No. 553,521. Divided and this application filed Dec. 12, 1925. Serial No. 74,973. 7 Claims. (Cl. 97—73.)



1. The combination with a power lift device comprising a frame, a cranked axle journaled thereon, a wheel on the cranked axle, traction actuated clutch mechanism connected to the wheel and including an intermittently rotatable member and a link eccentrically pivoted thereto, said link having its upper end pivoted on the frame; of means for adjustably varying the eccentric relation between said rotary member and link.

1,632,129. LAWN-EDGE TRIMMER. JACK GREEN, Norfolk, Va. Filed Aug. 30, 1926. Serial No. 132,633. 5 Claims. (Cl. 97—227.)



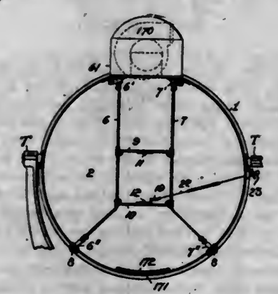
1. A lawn edge trimmer including a handle, a shaft carried by the handle, spaced cutting disks loosely mounted on the shaft, one of said disks being provided with a roller extension to impart movement to the disk in the operation of the trimmer, and a cutter mounted loosely on the shaft between the disks and driven from the operated disk.

1,632,130. CONDENSER. ARTHUR HADDOCK, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 7, 1925. Serial No. 73,635. 6 Claims. (Cl. 175—41.5.)



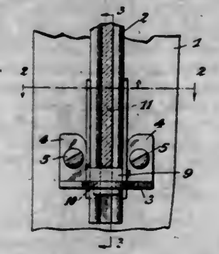
1. A condenser comprising a cylindrical rod, a hollow conducting cylinder slidable over said rod, an insulating threaded member attached to said rod and engaging said hollow cylinder, and additional means, for insulating one end of said hollow cylinder from said cylindrical rod, adapted to move said hollow cylinder with respect to said rod.

1,632,131. SEARCHLIGHT. THEODORE HALL, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 23, 1919. Serial No. 319,382. 13 Claims. (Cl. 176—51.)



1. In a searchlight, a drum, means connected across the interior of said drum for bracing the same, a pair of electrode holders carried by said bracing means, means for moving said holders relatively, and means extending without the drum for shifting said holders together to vary the dispersion of the beam.

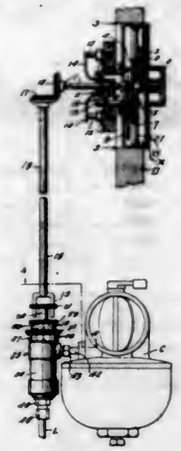
1,632,132. WINDOW STOP. CONRAD T. HANSEN, Detroit, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 21, 1923. Serial No. 675,985. 2 Claims. (Cl. 16—86.)



1. In combination, a window stop member having a U-shaped portion constituting at the base of the U a seat for a bumper element, the ends of said U-shaped portion

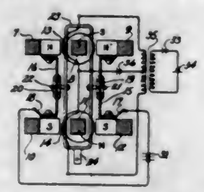
being bent at an angle to the plane of the U and constituting attachment flanges, and a bumper element on the said seat.

1,632,133. DEVICE FOR CONTROLLING BOTH THE IGNITION CIRCUIT AND THE SUPPLY OF GAS TO THE CARBURETOR. CHARLES D. HARDING, Beloit, Wis. Filed May 5, 1925. Serial No. 28,277. 2 Claims. (Cl. 70—127.)



1. In a device of the class described, an operating device, a valve stem with which said device is operatively connected, said valve stem having a central channel and a lateral aperture opening out of said channel, a sleeve rotatively mounted over the valve stem, said sleeve having an aperture positioned in the same plane as the lateral aperture of the rotatable valve stem, said sleeve having a knurled flange for manually rotating same and the flange having an index marking, a ring positioned under the knurled flange and having graduation markings, the said ring also having a knurled flange integral therewith, a sleeve operatively connected with and rotated by the rotation of said ring, the aforesaid sleeve having an aperture in the same plane as the aperture in the first mentioned sleeve and in the valve stem, a stationary sleeve having a lateral passage lying in the same plane as the apertures in the aforesaid sleeve and valve stem, said passage being in communication with a pipe leading to the carburetor from the fuel tank, and a ring bearing graduation markings, said ring being affixed on the upper end of the stationary valve stem and under the knurled flange of the rotatable ring, and a pipe leading to the carburetor.

1,632,134. ELECTROMAGNETIC DEVICE. HENRY C. HARRISON, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,829. 8 Claims. (Cl. 175—336.)



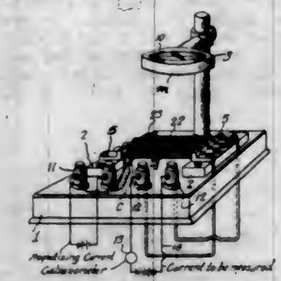
1. An electromagnetic system for producing distortionless vibrations comprising an electromagnet providing a variable magnetic field, a coil movable in and transverse said field and a source of steady current for said coil.

1,632,135. ELECTRODE STRUCTURE FOR ELECTRON-DISCHARGE DEVICES. WILLIAM FERRIS HENDEY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1920. Serial No. 370,618. 4 Claims. (Cl. 250—27.5.)



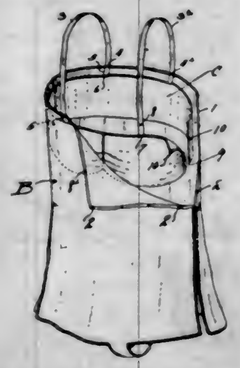
3. The process of manufacturing a unitary grid electrode out of a sheet of metal, which comprises punching apertures in said sheet, placing the strips of metal remaining between the apertures at an angle to the plane of the sheet, and bending said sheet to provide two parallel surfaces.

1,632,136. METHOD OF MEASURING MAXIMUM CURRENT. IWAO IKEDA, Sendai, Japan. Filed Dec. 30, 1924, Serial No. 758,954, and in Japan Jan. 8, 1924. 3 Claims. (Cl. 171—95.)



3. A magnetometric instrument for the indication and measurement of electric current comprising a system of magnets and a magnetometer arranged and adapted to indicate magnetic changes in the cores of said magnets, said magnets being in circuit axially with the conductors of a source of current to be indicated and measured and the coils of said magnets being in the circuit of a separate source of current.

1,632,137. BODY GARMENT. MINNESOTA B. JACKSON, Guthrie, Okla. Filed July 2, 1925. Serial No. 41,127. 1 Claim. (Cl. 2—73.)



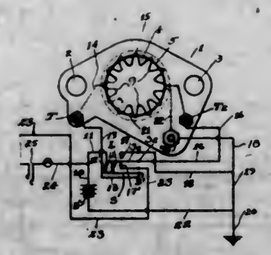
In combination with a body garment, a confining band within the garment, shoulder straps having their ends connected with the upper marginal edge of the confining band, all of the end portions of said straps but one being connected to the upper marginal edge of the body garment, and means forming separable connection between the remaining strap and the upper marginal edge of the body garment, as and for the purpose specified.

1,632,138. PICTURE FRAME. JAMES T. JOHNSON, Birmingham, Ala. Filed Apr. 2, 1926. Serial No. 99,285. 1 Claim. (Cl. 40—152.)



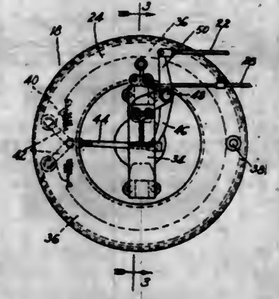
In a mount for pictures, a frame, a glass for arrangement in front of the frame and having a plane rear face upon which the picture is to be disposed, a rearwardly extending flange formed upon the edge of the glass and extending into the frame for maintaining the glass and picture forwardly of the frame, said frame being provided with a groove in the rear surface thereof about its opening, and a plane backing seated in the groove to maintain the glass within the frame, said backing being flush with the rear surface of the frame.

1,632,139. HEATING SYSTEM FOR INTAKE MANIFOLDS AND CIRCUIT FOR SAME. HANS S. MATTISON, La Crosse, Wis., assignor, by direct and mesne assignments, to New Era Products Company, Minneapolis, Minn., a Massachusetts Trust Association. Filed Oct. 29, 1924. Serial No. 746,631. 1 Claim. (Cl. 219—20.)



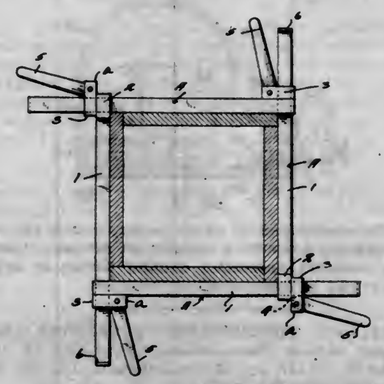
The combination with a sectional heating coil positioned in the line between the carburetor and intake manifold of an internal combustion engine, an electric circuit including said coil and a tap connected to the divisional point of said coil, and a double-throw double-pole switch in said circuit adapted when in one contact position to cause energy to flow through the two sections of said coil in parallel, and when in the other contact position to cause current to flow through said sections in series.

1,632,140. BRAKE CONTROL. MONTGOMERY W. McCONKEY, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 24, 1923, Serial No. 627,439. Divided and this application filed June 13, 1925. Serial No. 36,846. 21 Claims. (Cl. 188—194.)



5. A vehicle having, in combination, a swivelled wheel having an expansible and contractable brake having adjacent free ends, and brake-operating connections including operating means engaging both free ends and a member controlling the operating means having a part engaging said means which is movable substantially perpendicular to the swivelling axis from an idle position spaced from the swivelling axis to an active position substantially in that axis.

1,632,141. FORM-HOLDING YOKE. JOSEPH E. McFARLAND, Burlington, N. C., assignor of one-third to Claude G. Somers, Burlington, N. C. Filed July 7, 1926. Serial No. 120,989. 2 Claims. (Cl. 25—131.)

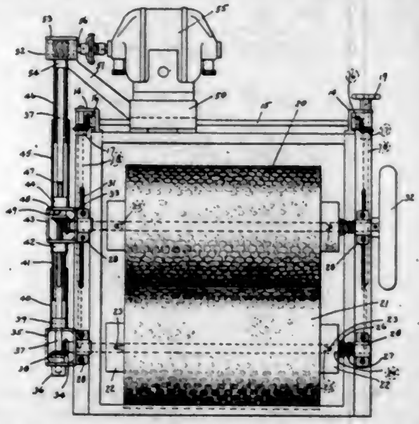


1. A form yoke comprising a plurality of duplicate units, each of said units consisting of an elongated member having one end portion returned to provide an overlying arm, a second member slidably mounted upon the first named member, means carried by the second member and coacting with the first member to lock the second member against movement along the first member, the opposite end portion of the first member being provided with a laterally disposed lip to prevent removal of the second member from the first member.

1,632,142. VEGETABLE CLEANER. HENRY WM. MEYER, Indianapolis, Ind. Filed May 25, 1925. Serial No. 32,698. 3 Claims. (Cl. 146—201.)

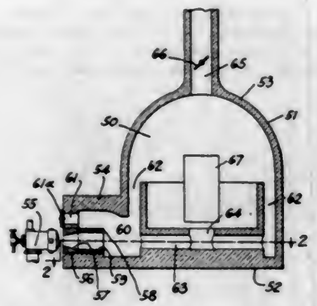
1. A vegetable cleaner of the character described including a framework having a lateral aperture therein,

a pair of oppositely rotating scrubbing rolls with their axes parallel to each other and the lateral aperture, an



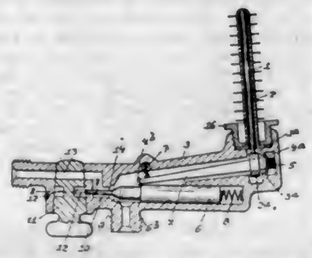
upper guard within the framework and adjacent the aperture and the upper roll, and means for adjustably and pivotally supporting said upper guard.

1,632,143. OIL-FIRED KILN. ALBERT W. MORSE, Long Island City, N. Y. Filed Dec. 22, 1925. Serial No. 76,987. 6 Claims. (Cl. 25—140.)



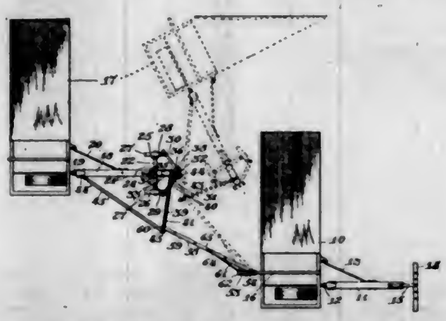
1. The combination of an oil burner, with a kiln having a primary combustion chamber, an extension thereto, and a secondary combustion chamber having an adjustable air port in communication therewith.

1,632,144. THERMOSTATIC APPARATUS. JOSEF NĚMEC, Mstisov, Czechoslovakia. Filed Aug. 17, 1925, Serial No. 50,746, and in Czechoslovakia, Apr. 21, 1925. 2 Claims. (Cl. 137—161.)



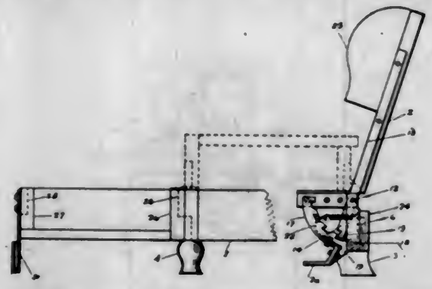
1. In a device of the type described, a casing having a horizontally disposed bore therein, a plunger slidable in said bore and having a reduced portion forming an annular shoulder, said reduced portion being provided with a tapered portion having a stem projecting therefrom, a spring within the bore tending to move the plunger in one direction, a lever within the casing having one of its ends rockingly retained therein and its free end formed with a head, a spring for normally retaining said head engaged with the aforesaid shoulder on the plunger when it has been caused to recede within the bore which contains it and in opposition to the force of the first-mentioned spring, a rod having, at one end, an eye which encompasses the rockingly mounted lever, and a tube of easily expanding metal encompassing said rod and secured at one end, to the free end of the aforesaid rod and, at its other end, to the casing.

1,632,145. HITCH. CHARLES PEARSON, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 18, 1923. Serial No. 646,038. 11 Claims. (Cl. 280—33.11.)



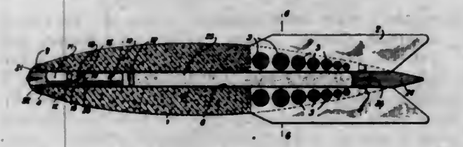
1. In combination, a plurality of implements arranged in trailing relation; a draft connection between the implements including a tongue and steering truck, a draft member connected to the steering truck and draft connection, and means connecting the tongue and draft member for aligning the steering truck with the line of draft of the implements.

1,632,146. FOLDING CHAIR. JOSEPH S. PECKER, Philadelphia, Pa., assignor of one-third to Morris Katzander, one-third to Eugene Bloss, and one-third to Charles Jellinek, Philadelphia, Pa. Filed Oct. 11, 1923. Serial No. 667,983. 1 Claim. (Cl. 155—49.)



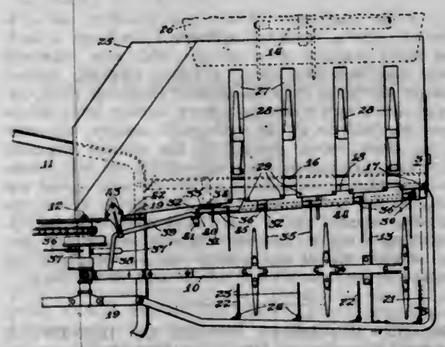
A folding chair of the class described comprising a main section, an arm section arranged upon the main section and hinged at its front to the same and adapted to swing outwardly, fastening devices projecting from the outer end of the arm section and arranged in pairs, legs provided near their upper ends with slots to receive one of the fastening devices of each pair and having notches in their upper ends for engaging the other fastening device of the said pairs whereby the legs are maintained in position for use, an intermediate projection carried by the arm section and located between the said pairs of fastening devices and arranged to support the legs when the same are folded, said legs being provided at their lower ends with flanges and one of the legs being provided between its ends with an angular bend offsetting the lower portion of the leg and receiving the flange of the other leg when the legs are folded to permit the said legs to fit flat against each other upon the intermediate projection.

1,632,147. DUMMY BOMB. EARL J. W. RAGSDALE, Norristown, Pa., assignor to Secretary of War Dwight F. Davis. Continuation of application Serial No. 330,480, filed Oct. 13, 1919. This application filed Mar. 6, 1926. Serial No. 92,976. 22 Claims. (Cl. 102—2.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A practice bomb, comprising an axially bored body portion, a readily expelled tailpiece closing one end of the bore of the body portion, and having peripheral grooves, and vanes seated in said grooves.

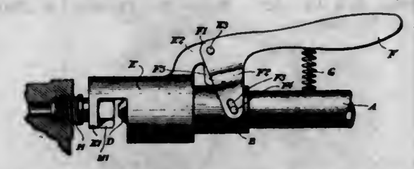
1,632,148. GRAIN SHOCKER. CLEMMA R. RANEY, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 5, 1922. Serial No. 592,475. 17 Claims. (Cl. 56—417.)



1. In a grain shocker having a frame, the combination of a sheaf delivery member pivotally carried thereon, means for swinging the sheaf delivery member, and means carried by the frame for both supporting sheaves in the path of movement and holding sheaves out of the path of movement of said sheaf delivery member.

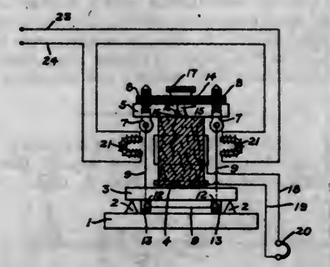
1,632,149. GREASE-GUN CONNECTION. HUGH W. SANFORD, Knoxville, Tenn. Filed June 12, 1922. Serial No. 567,593. 12 Claims. (Cl. 284—18.)

1. In a grease gun connection, the combination of an inner sleeve, an outer sleeve slidably surrounding the inner sleeve and having at its forward end means for engaging said outer sleeve relative to a grease receiving member, a handle coupled to said outer sleeve and said inner sleeve, a spring tending to relatively move the outer sleeve forward, a nozzle located in the inner sleeve and adapted to engage the inner sleeve and to have its forward end project out of the inner sleeve when the nozzle reaches its forward or rest position and having a longitudinal bore and a side admission port which is normally covered by the inner sleeve when the nozzle is



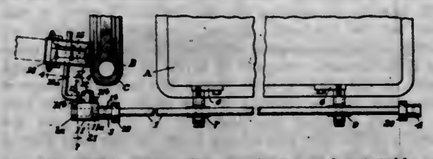
in its forward position relative to the inner sleeve, a spring tending to press the nozzle into its rest position in the inner sleeve, and means for limiting the rearward movement of the nozzle relative to the inner sleeve, substantially as described.

1,632,150. RADIORECORDER. HARRY P. SPARKES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1921. Serial No. 502,645. 10 Claims. (Cl. 250—20.)



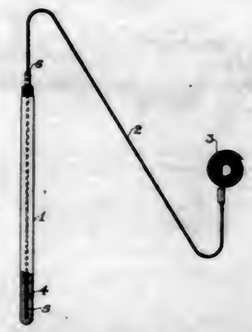
1. A detector of undulatory current comprising a crystal exhibiting the piezo-electric effect, a magnetizable tensioning member producing stress in the crystal, electromagnets in the circuit with the undulatory current in operative position to the magnetizable tensioning member, and means for detecting the electromotive forces set up by the changes in stress.

1,632,151. STRIP-APPLYING ATTACHMENT FOR TIRE-BUILDING MACHINES. CHARLES W. STEELE, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 14, 1926. Serial No. 135,325. 7 Claims. (Cl. 154—10.)



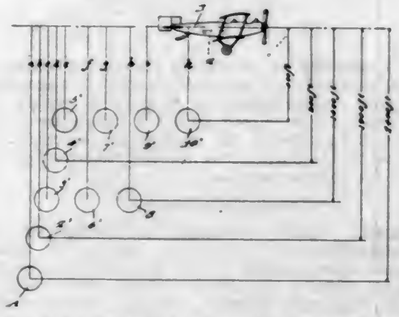
7. The combination with the frame and rotatable core of a tire building machine, of a plurality of pairs of spaced rollers journaled on said frame, a carriage comprising rods slidably engaging said rollers and cross members rigidly connecting said rods, one of the rods being extended beyond the cross member, a bracket rotatably mounted on said extended end adjacent the periphery of the core, a substantially L shaped member having its base arm pivotally supported from said extended end to rotate about an axis perpendicular to said extended rod, a pair of oppositely placed strip guides supported from the other arm of said L shaped member, and an applying roller supported from said other arm and cooperating with both said strip guides.

1,632,152. HIGH-TEMPERATURE VAPOR-PRESSURE RECORDER AND REGULATOR. KENNETH L. TATE, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed July 12, 1926. Serial No. 121,828. 5 Claims. (Cl. 73—118.)



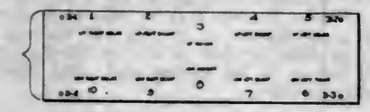
1. In a thermometric device of the expansion thermometer type, the combination with a fluid-pressure container and fluid connection thereto, of a bulb consisting of a material capable of resisting temperatures in excess of 1000° F. and a mercury-thallium alloy therein containing substantially 60% mercury and substantially 40% thallium.

1,632,153. APPARATUS FOR SKYWRITING. EINAR THORESEN, Pittsburgh, Pa. Filed May 28, 1926. Serial No. 112,334, and in Norway June 8, 1925. 5 Claims. (Cl. 244—1.)



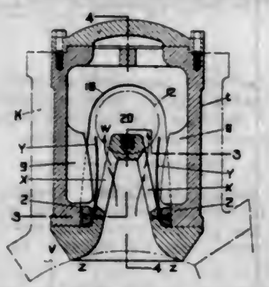
5. In a skywriting device, the combination with an air craft having an opening in the bottom thereof, a conveyor belt in the craft having one portion thereof extending over the opening, said belt having spaced openings therethrough, arranged in series to represent letters, figures or the like, a table below the belt and disposed to one side of the opening in the craft, said table having its top grooved longitudinally in a line with the openings in the belt and having hooks on the ends thereof in a line with said grooves and which hooks are disposed opposite the opening in the craft, a smoke bomb adapted to be received through each opening in the belt and to rest on the lower walls provided by the grooves in the table, each of said bombs having an explosive smoke powder chamber therein, a fuse, a firing device for the fuse, a cord housed in the bomb and connected with the firing device, a ring secured to the cord, each of said rings being in the path of engagement with one of the mentioned hooks, whereby the bombs will be suspended and exploded at different determined altitudes in the sky when the conveyor belt is moved longitudinally to bring the said bombs singly over the opening in the air craft, and the fuses of the several bombs being of different lengths for so timing the explosion of the bombs.

1,632,154. MACHINE OR DEVICE FOR LABELING X-RAY DENTAL FILMS. RICHARD TORPIN, Superior, Mont. Filed Jan. 13, 1925, Serial No. 2,144. Renewed Aug. 11, 1926. 6 Claims. (Cl. 250—34.)



1. The herein described film identifying device comprising a base having a plurality of recesses forming seats for sections of film, and a plate impervious to Roentgen rays adapted to be superimposed on the base and having Roentgen ray admitting openings located in registry with the recesses for admitting Roentgen rays to film occupying the recesses.

1,632,155. GAS COMPRESSOR. CARL W. VOLLMANN, Montreal, Quebec, Canada. Original application filed Feb. 15, 1922, Serial No. 536,626, and in Canada Jan. 13, 1922. Divided and this application filed Nov. 7, 1923. Serial No. 673,283. 1 Claim. (Cl. 251—119.)



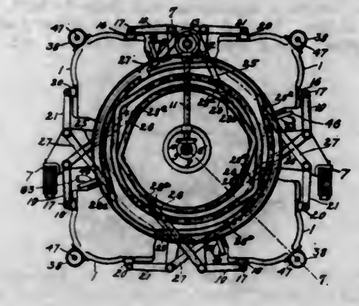
In a gas compressor of the type described, the combination with a combined cylindrical discharge member and valve chamber, of a circular base with converged lower side, such base having a hollow upwardly tapered member having in its sides parallel elongated ports, the lower end of such upwardly tapered member being spaced from the interior of the cylindrical member, flat steel spring check valves controlling the parallel elongated ports and having their lower ends within the said spaces, clamping bars accommodated within the said spaces and clamping the lower ends of the steel spring valves, the discharge member having a discharge opening in its side and an open top, a cap removably secured over the open top, and the top of the tapered member being flat and having a screw-threaded hole for the purpose set forth.

1,632,156. UNIVERSAL SYSTEM OF IDENTIFICATION MARKINGS FOR PROJECTILES. SAMUEL WILEY, Metuchen, N. J. Filed July 8, 1924. Serial No. 724,814. 2 Claims. (Cl. 102—26.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A system of identification for tracer projectiles consisting of forming markings on a projectile body to denote class and character of the contents, and uniting said markings to denote a tracer projectile.

1,632,157. INTERNAL-COMBUSTION TURBINE. FRANZ WONDRA, Schenectady, N. Y. Filed Sept. 27, 1921. Serial No. 503,614. 3 Claims. (Cl. 60—42.)



1. In a fluid pressure generator for internal combustion turbines in combination, a combustion chamber wherein combustion at constant volume intermittently takes place, means supplying separately air and fuel thereto, a steam jacket surrounding said combustion chamber, part of the heat generated by the combustion being utilized for generation of steam in said steam jacket, a gas nozzle discharging the products of combustion from said combustion chamber, a steam nozzle around said gas nozzle discharging intermittently steam from said steam jacket, the discharge of the products of combustion and the discharge of the steam occurring simultaneously.

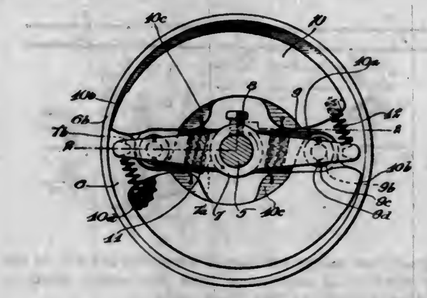
1,632,158. AEROPLANE. HARRY V. ALEXANDER, Bonne Terre, Mo. Filed Sept. 26, 1925. Serial No. 58,818. 4 Claims. (Cl. 244—20.)



1. An aeroplane of the character described comprising a fuselage, means for driving said aeroplane in a forward direction, a pair of brackets mounted upon said fuselage and extending slightly thereabove, spaced lugs carried by said brackets and extending upwardly, a pair of wings, lugs formed on the inner ends of said wings and received between the spaced lugs of said brackets, pins extending through said lugs of said wings and through said lugs of said brackets for pivotally connecting said wings to said brackets, an auxiliary engine mounted in said fuselage, and means operated by said auxiliary engine and connected to said wings for moving said wings in an up and down movement as said auxiliary engine operates.

1,632,159. CLUTCH. JAMES L. BALDWIN, Chicago, Ill. Filed Jan. 19, 1925. Serial No. 3,470. 12 Claims. (Cl. 192—105.)

1. A clutch comprising a drive shaft, a driver fast thereon, a driven element loose on the shaft, a centrifugally acting intermediate element engageable with the driven element, and a resilient element interposed between said driver and the centrifugally acting intermediate element for automatically transmitting pressure from the driver to the said intermediate element whereby to cause the engagement thereof with the driven element immediately the driver is started, the said resilient element holding the intermediate element in engagement with the driven element while the driver is moving at



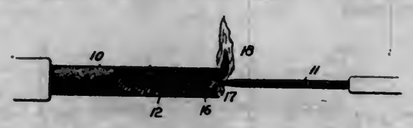
slow speeds and cooperating with centrifugal force to hold said intermediate element in engagement with said driven element when the driver is moving at high speeds.

1,632,160. BODY ADJUSTER FOR DECEASED PERSONS. WILLIAM G. BARNES, Kansas City, Mo. Filed Dec. 11, 1925. Serial No. 74,876. 16 Claims. (Cl. 27—13.)



1. In a body adjuster the combination of a frame, head rest means for the frame, and arm supporting devices, and means slidably mounting the same for adjustment towards and away from each other on the frame.

1,632,161. ARC LAMP. PRESTON R. BASSETT, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed July 24, 1923. Serial No. 653,414. 4 Claims. (Cl. 176—52.)

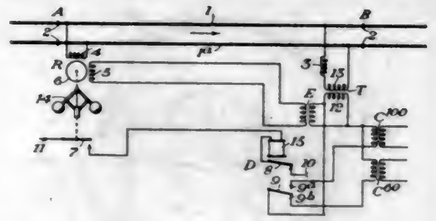


1. In an arc lamp, a cored positive electrode, the core containing carbon and a metal salt which are capable of forming a high boiling point carbide and the shell being of pure carbon, and means for operating the electrode at a sufficient current density to overload the core for the purpose specified.

1,632,162. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. CHARLES R. BEALL, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1926. Serial No. 126,970. 4 Claims. (Cl. 246—34.)

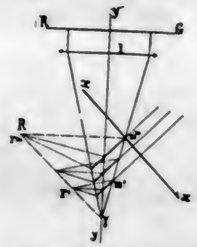
1. In combination, a section of railway track, a relay having two windings one of which is energized from the track rails of said section, two sources of alternating current differing in frequency, means for constantly supply-

ing current to the rails of said section from one of said sources when said relay is energized and for supplying current alternately from said sources when the relay is de-



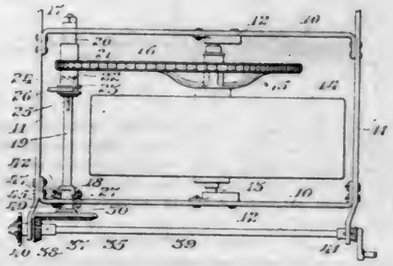
energized, and means for always supplying current to the other winding of said relay from the source which is supplying current to the track rails.

1,632,163. OPTICAL RECEIVER FOR TELETYPE MACHINES. EDOUARD BELIN, Rueil, France. Filed Nov. 1, 1923, Serial No. 672,206, and in France Nov. 4, 1922. 9 Claims. (Cl. 178—15.)



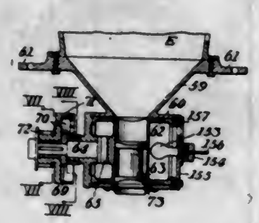
6. An optical device for tachy-telegraph and teletype systems of the class described composed of a plurality of successive reflecting surfaces arranged on a common axis and in different parallel planes.

1,632,164. ADJUSTABLE SELF-ALIGNING BUSHING. BERT R. BENJAMIN, Oak Park, and WILLIAM WEBBER, La Grange, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 9, 1922. Serial No. 587,177. 8 Claims. (Cl. 74—7.)



1. In a driving mechanism, a frame, a shaft mounted for rotation in said frame, a bushing carried in the frame and forming a bearing for the shaft, and means engaging the bushing for moving it in the frame axially along the shaft to adjust it with respect to said frame and permitting self-alignment thereof in the frame with respect to the shaft during rotation of the shaft.

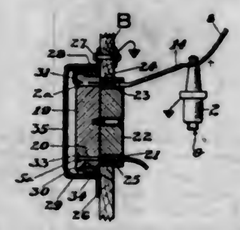
1,632,165. MEASURING DEVICE FOR PLASTIC MATERIAL. CHRISTIAN N. BERGMANN, Pittsburgh, Pa.; ELMER Z. TAYLOR, Newark, N. J.; and CYRUS TAYLOR, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Original application filed July 1, 1925, Serial No. 40,796. Divided and this application filed May 26, 1926. Serial No. 111,772. 8 Claims. (Cl. 221—102.)



4. In a unit measuring machine, the combination with a casing and communicating reservoir, of a rotatable drum having a measuring cavity, a heating device mounted in one end of the casing and extending into the drum, an apertured closing wall for the drum, and an adjustable damper plate thereon for varying the air circulation therethrough.

5. In a unit measuring machine provided with a casing having an upper inlet opening and a lower outlet opening, a reservoir communicating with the inlet opening, and a rotatable drum within the casing having a transverse plunger opening adapted to register with the inlet and outlet opening respectively; the combination with the casing of a supplemental guiding shell secured to the casing and depending downwardly below the outlet opening thereof.

1,632,166. IGNITION-TESTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES D. BOURCIER, Grafton, Mass. Filed June 20, 1923. Serial No. 646,582. 2 Claims. (Cl. 175—183.)

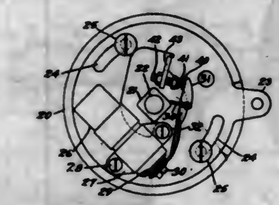


1. In an ignition testing device, a base composed of insulating material, a plurality of testing terminals mounted in said base, a metallic ring rotatably mounted on said base, a testing pointer connected to said ring, and a casing composed of insulating material attached to and entirely surrounding said ring, whereby to turn said ring and said pointer by manipulation of said casing.

1,632,167. IGNITION TIMER. ZERBE C. BRADFORD, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 27, 1924. Serial No. 702,459. 2 Claims. (Cl. 200—30.)

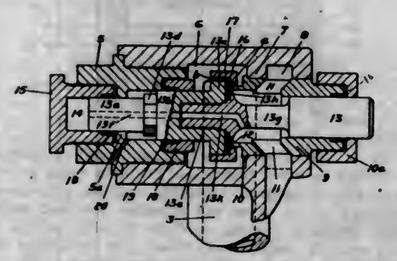
1. A breaker lever for an ignition timer comprising in combination, a flexible portion adapted to have its one end secured to a support; a rigid portion formed integral with the other end of the flexible portion; a rubbing

block; means formed between the flexible and the rigid portions for supporting said rubbing block, the flexible portion extending from the point of support to the rub-



bing block and the rigid portion extending beyond the rubbing block; and a contact carried by said rigid portion.

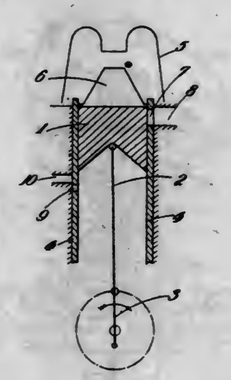
1,632,168. CONTROL VALVE FOR FLUID-PRESSURE DEVICES. HAROLD W. BUCKMAN and HUGH PRENTICE, Pittsburgh, Pa., assignors to Vance Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 23, 1925. Serial No. 45,524. 3 Claims. (Cl. 137—139.)



2. A fluid pressure valve comprising a housing having an opening extending therethrough, annular recesses in the opening arranged side by side and providing inlet and outlet chambers, means providing a valve seat between the inlet and outlet chambers, a valve stem in the opening and longitudinally movable therein, said valve stem having an exposed portion at one end and a reduced terminal at the other end, a bushing surrounding said other end providing a relatively small counter-pressure chamber, the stem having a central port opening from the reduced end wherein the counter-pressure chamber to the outlet chamber, an abutment on the stem intermediate its ends and in the fluid inlet chamber, a sealing element on the side face of the abutment and adapted to contact with the valve seat, means on the abutment for retaining said sealing means in place, said abutment and retaining means being of greater diameter than the diameter of the valve seat and having its opposite faces subject to the fluid pressure in the inlet chamber.

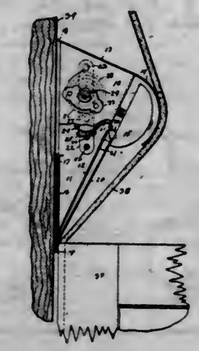
1,632,169. LIGHTER-THAN-AIR AIRCRAFT. CHARLES DENNISTON BURNEY, Westminster, London, England, assignor to Airship Guarantee Company Limited, Westminster, England, a British Company. Filed Jan. 23, 1925, Serial No. 4,175, and in Great Britain Jan. 26, 1924. 6 Claims. (Cl. 244—6.)

1. A method of regulating the buoyancy of lighter-than-air air-craft, which comprises introducing liquid fuel and the buoyant hydrogen into the engine cylinders and admitting a separate charge of air into said cylinders at a different time interval whereby the liquid fuel and



hydrogen, while being freely mixed together, are not too freely mixed with the air, and the rate of combustion is relatively slow.

1,632,170. BURGLAR ALARM. THOMAS R. CASTLES, Portland, Oreg. Filed Apr. 5, 1926. Serial No. 99,839. 1 Claim. (Cl. 116—82.)

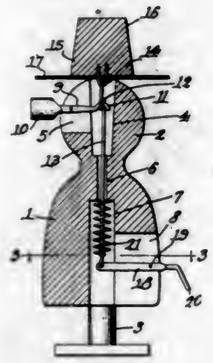


A burglar alarm having, in combination, a wedge-shaped frame having one side hinged at the point thereof having means for frictionally holding same in an outward position; a bell on said frame; a hammer for striking said bell; a spring motor for actuating said hammer, said hinged side intercepting the movement of said hammer when held in an outward position, and adapted to release said hammer when said hinged side is moved toward said frame; and a guard on said frame adapted to permit same to be placed behind a sash cord without having said cord engage said hinged side unless a window is moved toward said frame.

1,632,171. DOLL. HOWARD T. CHINN, Atascadero, Calif. Filed Sept. 13, 1926. Serial No. 135,139. 2 Claims. (Cl. 46—40.)

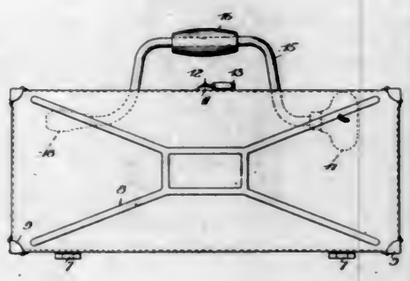
1. The combination with the body and head portion of a doll having communicating recesses in the upper and lower portions thereof and slots extending in opposite

directions from the respective recesses, of a nose portion connected to and mounted to swing relative to the slotted head portion, a hat portion mounted on the head portion,



an actuating member within the slotted body portion, and means operated by said member for simultaneously shifting the nose portion and the hat portion.

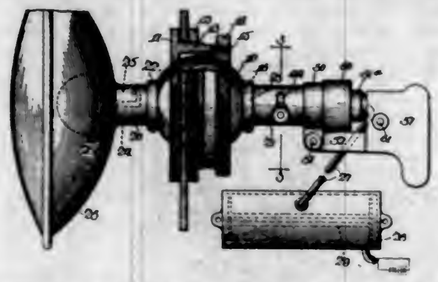
1,632,172. TOOL CONTAINER. WILEY C. CLIFFORD, Rochester, N. Y. Filed Sept. 10, 1923. Serial No. 661,804. 3 Claims. (Cl. 206—16.)



1. In a tool container, the combination of a brace having a crank handle intermediate its breast pad and chuck, and a container having separate parts including oppositely disposed aligned edge portions adapted to be closed about the shank of said brace with said pad and chuck thereof inside the container and said brace handle outside the container serving as a handle for the container, said brace being entirely supported by said aligned edge portions when the container is closed and free to drop away from the same upon opening the container.

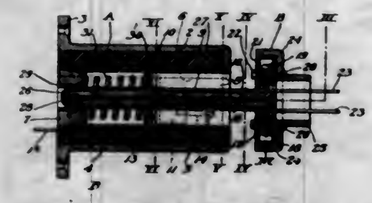
1,632,173. LIGHTING DEVICE. IRVING H. COHEN, Chicago, Ill., assignor of one-half to Irwin D. Groak, Chicago, Ill. Filed Sept. 28, 1925. Serial No. 58,970. 6 Claims. (Cl. 240—61.)

1. In a lamp construction the combination of a pair of lamp members one of which comprises a socket for holding a lamp, each lamp member having electrical contacts interengaging with those of the other when the lamp members are applied to each other end to end, and



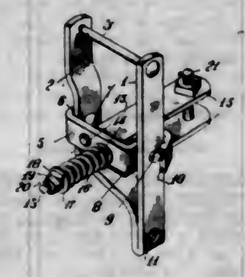
readily releasable catch means independent of said contacts for holding the lamp members readily releasable in end to end relation.

1,632,174. ELECTRIC SOCKET SWITCH. WILLIAM F. CONKLIN, Tarentum, Pa. Filed Sept. 20, 1921. Serial No. 502,021. 2 Claims. (Cl. 173—338.)



1. In an electric socket switch, an insulating body portion having an outer casing and an inner block provided with a slotted opening extending endwise therethrough and having at its inner end laterally arranged sockets, contact members forming portions of said sockets and having current supply connections, an insulating shell within the slotted opening providing an insertion space opening through the end of the casing and having an inner flange, a depressible washer plate adapted to bear against the flange, a spring bearing by one end against said washer plate and by its other end against an abutment within the casing, a rotatable insertable plug having lateral contacting extensions adapted to engage the washer plate, substantially as shown and described.

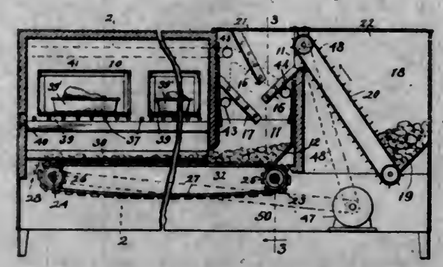
1,632,175. CLEVIS. WILBUR J. COULTAS, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 6, 1926. Serial No. 120,746. 3 Claims. (Cl. 278—96.1.)



3. A clevis including a vertical frame formed from a bar bent upon itself to present parallel arms spaced apart; one of said arms bent intermediate its length

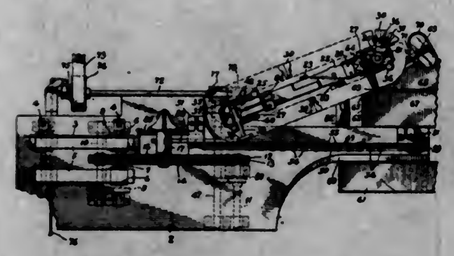
downwardly to the other arm; a bar extending from one arm to the other and rigidly secured thereto; an end portion of said bar extending forwardly from the adjacent arm and bent rearwardly and outwardly therefrom to form a stop; and a draft device attached to said bar.

1,632,176. STOVE. JOHN CRAIN, Painesville, Ohio. Filed Nov. 5, 1925. Serial No. 66,901. 6 Claims. (Cl. 126—1.)



1. In apparatus of the class described, the combination of a combustion chamber, an oven, means in said oven for supporting the articles to be cooked, and a continuous conveyor for carrying the burning fuel from said chamber through said oven.

1,632,177. TOBACCO-STRIPPING MACHINE. JOHN T. DALTON, Durham, N. C., and BLAKE W. CORSON, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 20, 1925. Serial No. 24,586. 23 Claims. (Cl. 131—57.)



1. A tobacco stripping machine including cooperating sets of stripping devices having guided relative movement along a selected line, and moving mechanism for moving a succession of leaves past the stripping devices, said mechanism having guided movement in a direction diverging from the line of movement of the stripping devices, thereby to draw the stems longitudinally through the stripping devices, while the leaves are moving laterally, and a fixed blade arranged substantially parallel with the direction of movement of the stripping devices and having a cutting edge inclining downwardly in the direction of travel of the stems and so positioned that the stems will engage between the said edge and the stripping devices.

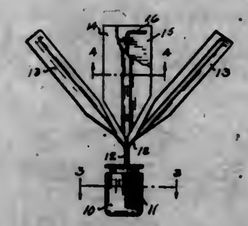
1,632,178. CONNECTER FOR WRIST-WATCH STRAPS. WILLARD A. DAVIS, Cranston, R. I., assignor to S. & B. Lederer Co., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 8, 1926. Serial No. 100,763. 3 Claims. (Cl. 24—71.)

1. In a two-part wrist watch strap, a connecter for said parts comprising a pair of connecter plates hinged together at one end, means for detachably retaining said plates together in folded position, a series of holes in one of said plates, a glove-type resilient snap for fastening



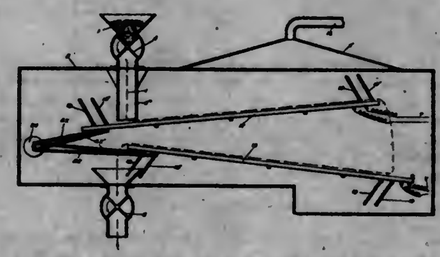
stud in one strap part to snap into said holes to secure the strap in different adjusted position, and means for securing the other strap part to the other of said plates.

1,632,179. DETONATING TOY. HERMAN FORRSTER, Indianapolis, Ind., assignor of one-half to Daniel M. Allred, Indianapolis, Ind. Filed June 14, 1926. Serial No. 115,773. 2 Claims. (Cl. 46—46.)



1. In a toy, the combination of a vertical cylinder open at the top and having a flat, closed base, a plunger adapted to be slidingly received in the cylinder, a plurality of wires fixed to and extending from the plunger and sheets of paper engaged together about said wires to form wings, said wires being capable of being bent to various angles.

1,632,180. APPARATUS FOR DRYING BERRIES. THOMAS W. W. FORREST, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a Cooperative Association of California. Filed July 13, 1926. Serial No. 122,083. 7 Claims. (Cl. 34—38.)

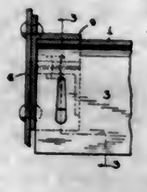


1. Apparatus of the character described comprising a shaker table formed of a metal grill of spaced bars, and means for passing a current of electricity through the bars of the grill for electrically heating the same.

1,632,181. CROSSTIE FOR RAILWAY CARS. KENNETH C. GARDNER, Greenville, Pa., assignor to The Greenville Steel Car Company, Greenville, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1927. Serial No. 160,614. 3 Claims. (Cl. 105—406.)

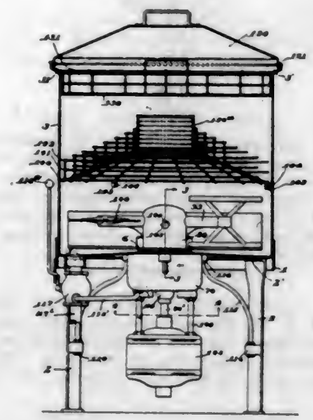
1. An article of the character described, having in combination a cross tie formed of a single sheet of metal bent to semi-circular cross-section adjacent its upper edge

and having depending side walls which approach each other adjacent their lower edges, a supporting member for each end of the cross tie, each having a plurality of parts adapted to be engaged over the adjacent end of



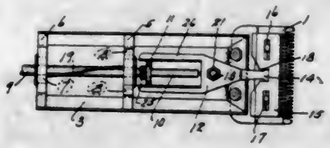
said cross tie and means formed in said supporting member and said cross tie for interengaging to prevent longitudinal displacement of said cross tie and means for securing said supporting member to the side walls of the structure to be braced.

1,632,182. DISHWASHING MACHINE. ARTHUR G. HASKINS, Weymouth, Mass., assignor to Alva M. Dow, Braintree, Mass. Filed May 6, 1921. Serial No. 467,350. 5 Claims. (Cl. 141—9.)



1. In a washer, a tank having a drain pipe, a rotor in said tank having a water inlet opening, a housing below said rotor having an inlet opening for the water from the rotor and a discharge opening, a drain valve controlling said drain pipe of the tank, and a connection between said discharge opening of the housing and the pipe at a point below said valve.

1,632,183. HAIR CLIPPER. JAMES H. HINES, Hobart, Okla. Filed Apr. 26, 1926. Serial No. 104,772. 1 Claim. (Cl. 74—14.)



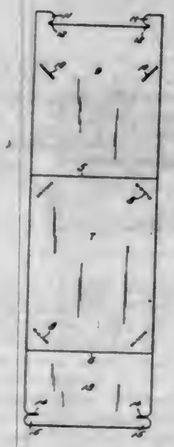
A transmission unit comprising a rotatable mounted shaft having an eccentric mounted on one end of said shaft, said eccentric being longitudinally adjustable on said shaft, in combination with a bifurcated lever having comparatively long parallel bifurcations in engagement with the operative or camming surface of the eccentric, the bifurcations and shaft being substantially parallel whereby the throw of the lever may be varied by adjustment of the eccentric upon the shaft.

1,632,184. COOLING ARRANGEMENT FOR ELECTROLYTIC CELLS. CARL FREDRIK HOLMBOE, Oslo, Norway, assignor of one-half to De Nordiske Fabriker, De-No-Fa, A/S., Oslo, Norway. Filed July 17, 1925. Serial No. 44,202. 1 Claim. (Cl. 257—208.)



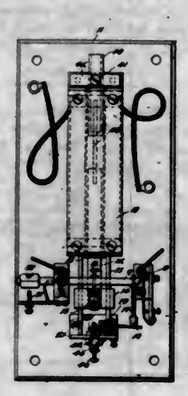
In an electrolytic apparatus comprising a plurality of electrolytic vessels placed in flow-path relation to one another, and detachably mounted containers for a cooling liquid placed between the electrolytic vessels and in close proximity to at least two of said vessels, the containers for cooling liquid being connected in groups and being connected to the same source of cooling liquid.

1,632,185. MAILING CARD. GEORGE O. JENNER, Los Angeles, Calif., assignor to Oxford Press Incorporated, Los Angeles, Calif., a Corporation of California. Filed May 2, 1925. Serial No. 27,544. 3 Claims. (Cl. 40—149.)



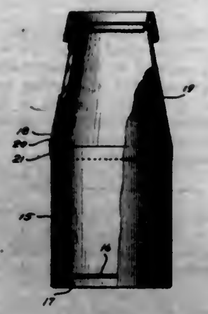
1. A tripartite mailing card comprising; a central portion; a shorter downwardly foldable upper flap having upwardly projecting side extremities with notches at their inner corners, and intermediate opposed diagonal slits adjacent its sides; and a still shorter upwardly foldable lower flap having deep side notches forming tabs at the extremities of its bottom edge; said flaps being adapted to fold forwardly over the central portion with the bottom flap outside the other and with said tabs insertable in said diagonal slits; and said flaps being also adapted to fold backwardly, and to have said notched portions mutually engageable to form an easel for exposing said central portion.

1,632,186. RELAY. ERNEST G. JOHNSON, Boston, Mass., assignor, by mesne assignments, to The Palmer Electric and Manufacturing Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 30, 1922. Serial No. 609,896. 10 Claims. (Cl. 200—94.)



3. In combination, a normally closed contact, a member movable in response to energy changes in a circuit and operative adjacent limits of its motion to open said contact, and means for causing the energy in said circuit to exert a drawing and holding effect on said member when adjacent said limits toward the respective limits.

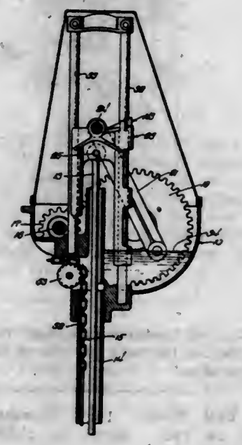
1,632,187. BOTTLE. LYDIA B. KOCH, New York, N. Y., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 23, 1923. Serial No. 676,631. 1 Claim. (Cl. 229—4.5.)



A bottle as characterized comprising a cylindrical body portion, and a frusto-conical neck portion, the meeting edges of said portions being interleaved and adhesively connected, the interleaved connections of said edge portions being beaded, said bead extending outward beyond the surface of said body portion to form a reinforcing element thereof.

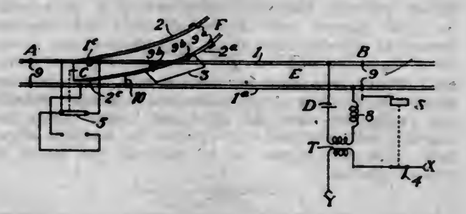
1,632,188. WINDMILL CONSTRUCTION. HERMAN M. LORBER, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Co., Beatrice, Nebr., a Corporation of Nebraska. Filed Nov. 15, 1923. Serial No. 674,849. 22 Claims. (Cl. 170—47.)

1. In a windmill, the combination of a wind wheel, a driving shaft, a main frame having a vertical pivoted tubular axle, a lubricant containing chamber in said frame, bearing hubs rigidly connected to the inner sides of oil chamber, gear wheels mounted upon said hubs, the hubs having projecting shoulders to keep said gear wheel in place, pinions mounted upon the driving shaft



for operating the gears, guide rods, a cross head working upon said guide rods, one side of which extends downwardly and dips into the lubricant upon its downward stroke, and pitmen connecting the cross head and gears for operating the pump rod.

1,632,189. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 27, 1926. Serial No. 144,509. 3 Claims. (Cl. 246—34.)



1. In combination, a section of main track having rails 1 and 1^a, a branch track having rails 2 and 2^a connected at times with said rails 1 and 1^a respectively by a switch, insulated joints on opposite sides of the frog at the point where rail 2^a crosses rail 1, a jumper in rail 2^a around said joints, and a second jumper connecting rail 1^a with the rail 2^a between said joints and said switch.

1,632,190. GARMENT. ISABELLE P. MCDONALD and WILLIAM MACMULLEN, Jr., Duluth, Minn., assignors to F. A. Patrick & Co., Duluth, Minn., a Corporation of Maine. Filed Feb. 7, 1927. Serial No. 166,477. 1 Claim. (Cl. 2—79.)

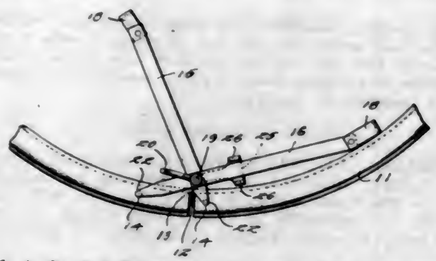
A garment of the character described having in combination therewith a belt securely stitched along the upper edge thereof about the back portion of the waist line, a waist flap beneath the belt about the back of the garment having slits upon either side thereof and ex-

tending above its lower marginal edge, a seat flap having its upper termini engageable through said slits, means for attaching the upper edge of the seat flap to



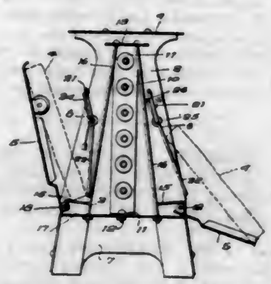
the waist flap, and means for uniting the upper corners of the seat flap to the body portion of the garment forwardly of the slits.

1,632,191. RIM TOOL. PETE OLABARRIA, Elko, Nev. Filed Feb. 24, 1927. Serial No. 170,664. 5 Claims. (Cl. 157—1.)



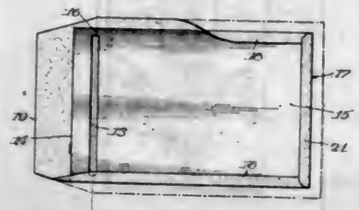
1. A tire tool for contracting split resilient rims comprising pivotally connected levers having at corresponding ends thereof lugs adapted to enter the openings formed at opposite sides of the split thereof, said levers being connected with the pivot thereof at points differently spaced from their lug bearing ends, said pivot extending to one side of the levers and a member slidable and oscillatable upon the pivot and having means engageable with said levers to maintain the levers in alignment with one another or to maintain the levers in crossed relation.

1,632,192. TOASTER. HENRY OSTERMANN, Chicago, Ill. Filed Oct. 24, 1925. Serial No. 64,578. 9 Claims. (Cl. 53—5.)



1. A toaster comprising a heating element, a hinged gate movable toward and away from said heating element, stationary means for supporting a slice of bread on edge between said heating element and gate, and manually operated mechanism adapted to engage the inner face of the slice for flipping the slice from said supporting means onto said gate while the latter occupies its open position whereby the slice is reversed in its position relative to said heating element upon the closing of said gate, said mechanism being normally inactive to permit said gate to be opened without flipping the slice.

1,632,193. BOOK COVER. ERNEST L. PERSONS, Chicago, Ill., assignor to The David J. Molloy Company, a Corporation of Illinois. Filed Feb. 4, 1926. Serial No. 85,821. 2 Claims. (Cl. 281—37.)



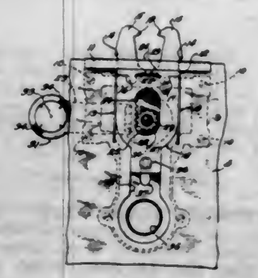
2. A back for a loose leaf binder comprising a reinforcing member including an attaching section and a hinged section spaced therefrom, strips structurally integral with said sections for connecting said sections for forming a hinge therefor, and a flexible finishing cover pasted to one side of both of said sections.

1,632,194. FISH AND FOWL DRESSING DEVICE. HENRY C. POSSEHL, Baker, Minn. Filed Aug. 4, 1924. Serial No. 729,965. 7 Claims. (Cl. 17—8.)



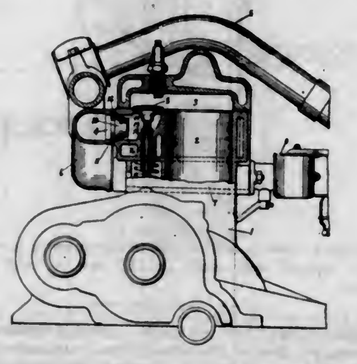
1. A holding device formed of sections, said sections including a wire frame, sheet metal plate members extending across and secured to the longitudinal side edges of each of said sections and supporting eyes formed in said frame integral therewith, adapted to support a holding clamp and adjustable hook respectively to form a supporting means between the ends of said members when they are secured together.

1,632,195. TRUNK LOCK. MARTIN RASMUSSEN, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed June 25, 1923. Serial No. 647,624. 8 Claims. (Cl. 292—25.)



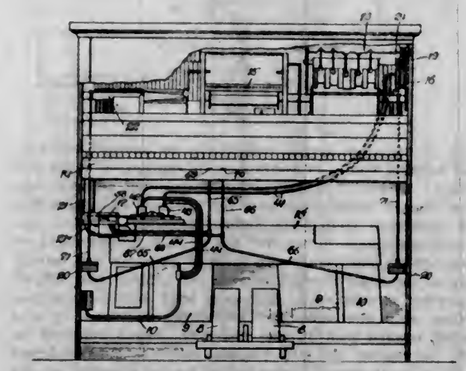
1. In a trunk, a pair of co-operating trunk sections, one of which is provided with a keeper, opposed catch members carried by the other of said sections for engaging said keeper, and means carried by the last mentioned section for drawing said catch members downwardly after they have engaged the said keeper, whereby the said sections may be drawn together.

1,632,196. INTAKE NOZZLE. HARRY E. RHOADS, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 7, 1920. Serial No. 408,696. 4 Claims. (Cl. 123—141.)



2. An internal combustion engine, having an intake manifold for conducting fuel to the engine, an intake port, an intake valve chamber, a groove formed at the intersection of the manifold and the port, an intake nozzle projecting into said chamber and provided with a shoulder located in said groove, and a flange located on said nozzle for causing a surging and an acceleration of the fuel passing from the chamber.

1,632,197. MUSICAL INSTRUMENT. ROY B. RICHMOND, Chicago, Ill. Filed Oct. 21, 1921. Serial No. 509,304. 9 Claims. (Cl. 84—47.)



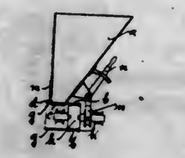
1. The combination with an automatic piano having strings, hammers for vibrating the strings and a master record for controlling the action of the hammers to produce a musical composition, of an auxiliary record operated automatically and independently of the master record to vary the length of the hammer strokes and thereby give expression to the composition.

1,632,198. CARBURETOR. GEORGE F. RITTER, Toledo, Ohio, assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Filed Apr. 9, 1917. Serial No. 160,703. 7 Claims. (Cl. 261—64.)



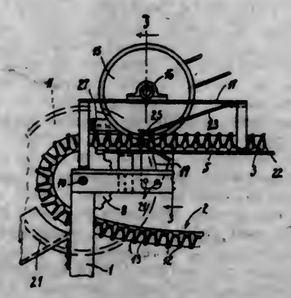
1. In a carburetor, the combination with an air supply passage; of a valve in said passage comprising a leaf spring operated automatically by air pressure; and a member normally engaged by said leaf spring and having a pocket in which the mixture of fuel and air is compressed as the spring moves into engagement with said member and closes said pocket to form a cushioning effect for the leaf spring.

1,632,199. MACHINE FOR SPREADING ARTIFICIAL MANURE. HEINRICH SCHNATH, Bielefeld, Germany, assignor to the Firm Kuxmann & Co., Komm.-Akt.-Ges., Bielefeld, Germany. Filed June 12, 1926, Serial No. 115,611, and in Germany July 10, 1924. 1 Claim. (Cl. 221—128.)



In a machine for spreading manure, the combination with a storage container having an outlet slot at its bottom, of a mechanically driven endless steel ribbon, integral distributing fingers thereon projecting into said container through its outlet slot, and a lever control in connection with said ribbon for laterally shifting the latter and thereby adjusting said fingers to a more or less deep engagement in said outlet slot.

1,632,200. MACHINE TO DECAPITATE AND CLEAN FISH. HENRY L. STAFFORD, Long Beach, Calif. Filed Aug. 23, 1926. Serial No. 130,814. 9 Claims. (Cl. 17—3.)



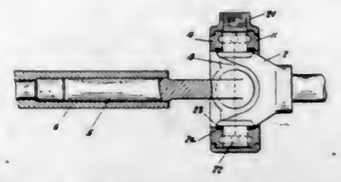
1. A machine to decapitate and clean fish comprising a frame, a conveyor, means to rotate said conveyor; fish receiving cups on said conveyor, a knife above said conveyor adapted to cut into the fish through the back bone, and a wedge plate adapted to enter the cut made by said knife to pull off the head and entrails of the fish.

1,632,201. PNEUMATIC TIRE. SAMUEL A. STEERE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 15, 1925. Serial No. 62,580. 9 Claims. (Cl. 139—426.)



1. In a tire, a cord fabric carcass embodying cords having a substantially higher twist than that which is necessary to produce the maximum tensile strength therein.

1,632,202. UNIVERSAL JOINT. GEORGE JOSEPH THOMAS, South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, a Corporation of Illinois. Filed June 18, 1924. Serial No. 720,865. 8 Claims. (Cl. 64—102.)

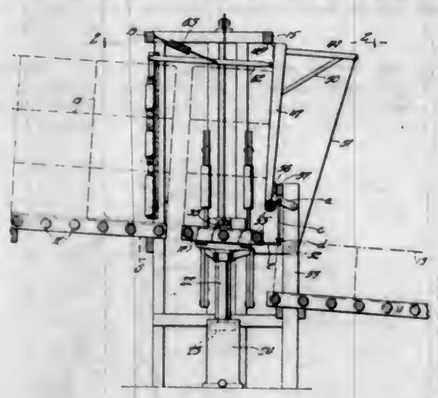


1. A device for enclosing and lubricating the bearing pins of a universal joint, comprising a pair of substantially similar rings having similarly formed and arranged recesses for the pins in their corresponding faces, each of said rings having a continuous, circular groove for lubricant in their corresponding faces with means for passing lubricant to said grooves, said grooves communicating directly with said recesses, and means for preventing the escape of lubricant from the recesses comprising a band encircling the outer periphery of said rings for clamping them securely together.

1,632,203. CONVEYER SYSTEM. LOUIS THREEFOOT and GEORGE W. ELKIN, Meridian, Miss., assignors of one-tenth to Louis Threefoot, one-tenth to Gladys Louise Threefoot, one-tenth to Frederick Marshall Threefoot, one-tenth to Gladys Lenora Threefoot, one-tenth to Henry Marshall Threefoot, one-sixth to George W. Elkin, one-sixth to Catherine Holman Elkin, and one-sixth to Mary Elkin. Filed Mar. 19, 1923. Serial No. 625,931. 34 Claims. (Cl. 193—35.)

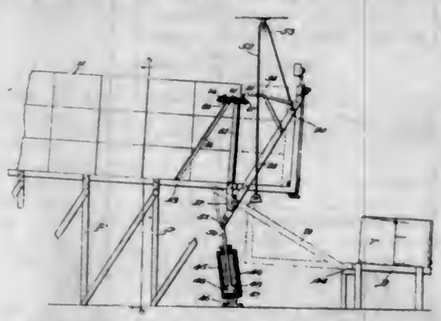
7. The combination with a first gravity conveyor for holding cases in ranks and files, and a third conveyer, of means for transferring said cases from said first gravity conveyer to said third conveyer, comprising a second gravity conveyer lying at a lower level than said first gravity conveyer and inclined toward said third conveyer, means including a reciprocable platform for receiving a plurality of cases simultaneously from said first conveyer and delivering them one by one to said second conveyer, and means for controlling the transfer of cases from said second gravity conveyer to said third conveyer.

29. The combination with a gravity conveyer for holding a plurality of cases in ranks and files, and a second conveyer for receiving said cases from said gravity conveyer, of means for transferring the cases from said gravity conveyer to said second conveyer, comprising a platform for successively receiving the files of cases from



said gravity conveyer, and means for causing said platform to deliver said cases one by one to said second conveyer.

1,632,204. CONVEYER SYSTEM. LOUIS THREEFOOT and GEORGE W. ELKIN, Meridian, Miss., assignors of one-tenth to Louis Threefoot, one-tenth to Gladys Louise Threefoot, one-tenth to Frederick Marshall Threefoot, one-tenth to Gladys Lenora Threefoot, one-tenth to Henry Marshall Threefoot, one-sixth to George W. Elkin, one-sixth to Catherine Holman Elkin, and one-sixth to Mary Elkin. Filed July 19, 1924. Serial No. 727,004. 17 Claims. (Cl. 193—36.)

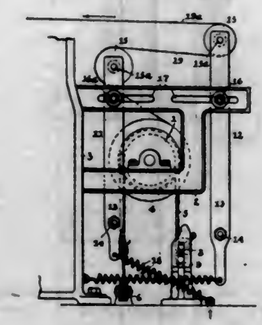


2. A conveyer system comprising an inclined conveyer for holding stacks of containers in contiguous ranks and files, a tiltable conveyer pivotally mounted adjacent one end of said inclined conveyer for receiving successive files of containers from said inclined conveyer, a third conveyer positioned at the free end of said tiltable conveyer when tilted away from said inclined conveyer and extending at an angle thereto, a latch for holding said tiltable conveyer in substantial alignment with said inclined conveyer, stop mechanism for preventing movement of said stack toward said tiltable conveyer, means actuated by the movement of said tiltable conveyer for rendering said stop mechanism inoperative, means actuated by the passage of a file of containers upon said tiltable conveyer, for releasing said latch, said last named means including a delayed action means for insuring the complete arresting of the movement of said stack before said latch is released, means for counter-balancing said tiltable conveyer, and means for controlling the rate of movement of said tiltable conveyer.

16. The method of automatically delivering articles from a stack of articles arranged in ranks and files, which

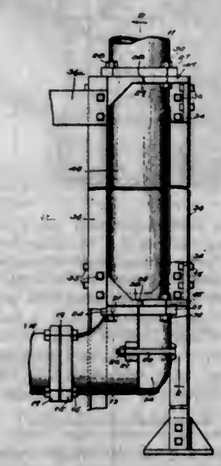
comprises separating one file from the rest of the stack, tipping the file as a whole over on its side, and separating the articles in the file one by one.

1,632,205. LET-OFF MEANS FOR LOOMS. JOHN S. TODD, Hawley, Pa. Filed Sept. 7, 1926. Serial No. 133,888. 4 Claims. (Cl. 139—97.)



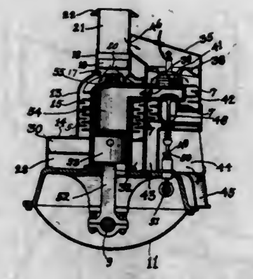
1. In combination, with supporting means and a let-off mechanism including, with the revoluble warp-beam, a friction-brake device therefor, a pair of parts around which the warp extends arranged to maintain reverse bends in the warp and each normally movable independently of the other under the pressure exerted theron by the warp in a direction to pass the other, and yielding means normally opposing such movement of each of said parts.

1,632,206. CONVEYING APPARATUS. EDGAR B. TOLMAN, Jr., Chicago, Ill., assignor to United Conveyor Corporation, Chicago, Ill., a Corporation of Illinois. Filed July 3, 1925. Serial No. 41,414. 2 Claims. (Cl. 137—75.)



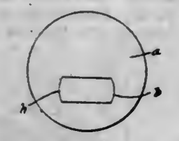
1. In apparatus of the character described, two tubular fittings, means for securing said fittings in spaced relation and including slotted plates secured to the fittings, a third tubular fitting having its ends removably positioned in said slots and aligned with said two fittings, and plates inserted in said slots for locking the third fitting against displacement relative to said two fittings.

1,632,207. AIR-COOLED ENGINE. ERNEST VAN TOFF, Chicago, Ill. Filed May 10, 1924. Serial No. 712,195. 14 Claims. (Cl. 123—171.)



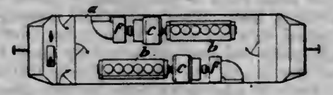
1. In an air cooled engine, a series of cylinders, a jacket surrounding each cylinder and having an upwardly extending neck, an adjustable hood over said necks adapted for admitting air to the jackets, an exhaust fan, and a separate air conduit extending from each cylinder to said fan.

1,632,208. LENS. FRANK BRUCE WATSON and EDWARD CULVER, London, England, assignors to United Kingdom Optical Company, Limited, London, England. Filed Nov. 21, 1925, Serial No. 70,586, and in Great Britain Apr. 29, 1925. 5 Claims. (Cl. 88—54.)



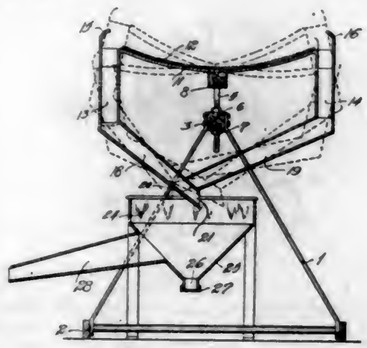
1. A lens consisting of a main lens, a glass plate secured to the main lens consisting of three pieces of glass made of a central portion and two segments, the central portion having a refractive index suitable for reading whilst the two segments have the same refractive index as that of the main lens.

1,632,209. LOCOMOTIVE HAVING COMBINED INTERNAL-COMBUSTION AND ELECTRIC PROPULSION SYSTEM. EUGEN ZBINDEN, Winterthur, Switzerland, assignor to The Firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Filed July 24, 1926, Serial No. 124,731, and in Switzerland Aug. 7, 1925. 4 Claims. (Cl. 105—35.)



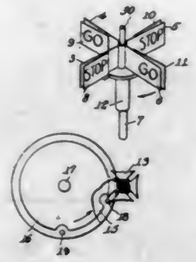
1. In a locomotive in combination a plurality of electric generators, a plurality of internal combustion engine sets and a plurality of motors connected to the driving axles of the locomotive and supplied with current by the said generators, the groups of internal combustion engines and electric generators of equal power being arranged parallel to each other and to the longitudinal axis of the vehicle frame at both sides of said frame, the combustion engines of each group situated at the one side of the frame facing the electric generators of each group placed at the other side of the frame.

1,632,210. MINERAL SEPARATOR. RALPH S. BALDWIN and WILLIAM A. JOHNSTON, Spokane, Wash. Filed Aug. 3, 1925. Serial No. 47,682. 2 Claims. (Cl. 209—441.)



1. The combination with a supporting frame of a pivoted table having a concave surface and adapted to oscillate on its longitudinal center, and a mat on the table having a longitudinally extending corrugated surface, said table having an outlet at one end and lateral launder chutes, and discharge troughs opening from said chutes.

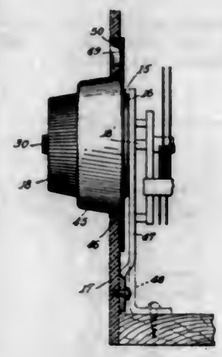
1,632,211. TRAFFIC SIGNAL. LOUIS E. BALTZLEY, Glen Ridge, N. J. Filed June 29, 1925. Serial No. 40,338. 12 Claims. (Cl. 116—63.)



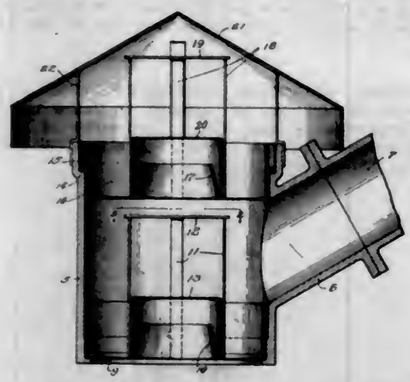
5. In traffic signals, a multi-bladed rotary signal unit bearing traffic starting indicia on the leading faces of only two of the signaling blades and traffic stopping indicia on all other faces of the blades, a second concentrically rotating multi-bladed signal unit bearing traffic starting indicia on the trailing faces of only two of the blades and traffic stopping indicia on all other faces of the blades and means for repeatedly intermittently alternately rotating said units, both in the same direction including intermittently operated gears connected respectively with the two units.

1,632,212. ADJUSTING DEVICE. LOUIS E. BALTZLEY, Glen Ridge, N. J. Filed Nov. 14, 1925. Serial No. 68,949. 12 Claims. (Cl. 74—7.)

1. An adjusting device comprising a metallic sleeve, a hub of insulating material fixed on said sleeve, an open center flat metallic ring attached to said hub, rearwardly projecting pivot studs fixed on the back of said ring, rollers slidably journaled on said studs at the back of said flat ring, an actuating roll journaled on the sleeve at the front of the hub projecting rearwardly through the open center of the flat ring and engageable at its inner end with the forward ends of the rollers and a track engageable by the rearward ends of the rollers.



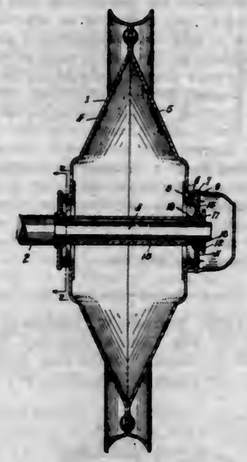
1,632,213. LIQUID AND MECHANICAL SEAL. EDWARD E. BARTELS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed May 12, 1924. Serial No. 712,720. 8 Claims. (Cl. 277—61.)



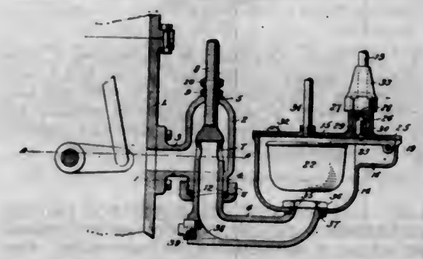
8. In a liquid and mechanical seal; a substantially cylindrical casing having an opening intermediate its height adapted for attachment to the vapor space of a liquid storage tank, the upper and lower ends of said casing being open to the atmosphere; a pan arranged in said casing above said opening; and a pan arranged in said casing below said opening; each of said pans being provided with an opening having a wall surrounding the same, and a cup over said wall, the opening formed between said wall and said cup being liquid sealed.

1,632,214. WHEEL-HUB CONSTRUCTION. JEREMIAH BINGHAM, Toledo, Ohio, assignor to The Bingham Stamping & Tool Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 18, 1926. Serial No. 81,889. 7 Claims. (Cl. 301—63.)

1. A disc wheel having a central opening in a disc thereof, a stamped hub member fitting in the disc opening and having a central hub-sleeve bearing opening and a flange portion lapping the inner portion of the disc and fixed thereto, a hub sleeve fitting in the opening of said hub member, said hub sleeve and the opening in which it fits being other than circular in cross-section to cause a turning of one with the other, an axle mounted in said sleeve and having driving engagement therewith, and means connected to the disc and forming a separate support for the hub sleeve.



1,632,215. OIL-LEVEL REGULATOR. ROBERT E. BORBECK and GEORGE C. TRUMAN, Los Angeles, Calif. Filed Dec. 24, 1921. Serial No. 524,805. 9 Claims. (Cl. 184—103.)



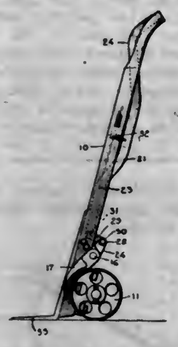
1. In a device of the class described, the combination of a casing adapted to house an operative part of an engine, a chamber in open communication with said casing, an oil supply conduit slidably fitted into said chamber from the underside thereof and having an outlet disposed within the chamber, and means for vertically adjusting said conduit within the chamber to determine the level of the lubricant within the casing.

1,632,216. TRAVELING VALVE FOR OIL-WELL PUMPS. WILLIAM BRADLEY, Thrift, Tex. Filed Aug. 10, 1926. Serial No. 128,362. 1 Claim. (Cl. 103—225.)

A traveling valve for oil well pumps comprising a central tube, upper and lower connecting heads, said heads including a tubular element, a plurality of cups above and below said central tube carried by said heads, a perforated nipple seated within the central tube; a coupling member interposed between the lower head and lower end of said central tube and including a port, a ball having its upward movement limited by a fixed transverse pin carried by said coupling and having its seat in said lower connecting head, said nipple supported by and communicating with said coupling, whereby said coupling, nipple and walls of said central tube form a sand collecting means, said tubular elements also being substantially similar in construction to each other, said cups having spacer rings interposed therebetween and the upper tubular element being perforated adjacent the uppermost of the cups for the purpose of allowing fine sand to escape.



1,632,217. WAREHOUSE-TRUCK BRAKE. JOHN H. BROWN, Jersey City, N. J. Filed Sept. 11, 1925. Serial No. 55,654. 3 Claims. (Cl. 188—22.)

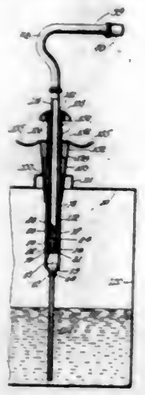


2. In combination with a hand truck having a longitudinally disposed frame and handles, of braking means therefor comprising a cross shaft pivotally mounted thereon carrying brake shoes capable of engaging the wheels of the truck, a crank arm disposed on said cross shaft and an operating member comprising a longitudinally disposed lever arm substantially parallel to said truck frame and handles, said lever arm being pivotally mounted in relation to said truck frame near the wheels thereof whereby the brake shoes are put into engaging relation by a downward movement of the lever arm, said lever arm terminating at its upper extremity in a handle portion comprising an auxiliary handle for the truck.

1,632,218. SPRAYER. HOWARD A. CHAFFIN and FRANK C. HOLMES, Chicago, Ill., assignors to Enos Chemical Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1922. Serial No. 599,635. 2 Claims. (Cl. 299—97.)

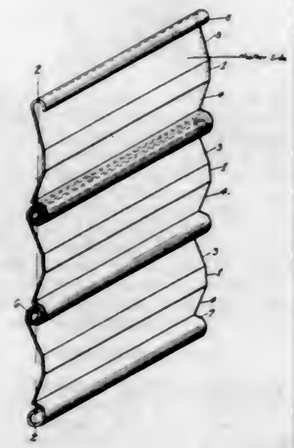
1. In a sprayer adapted to be detachably associated with containers of different depth and having delivery openings of different diameters, said sprayer including:

a pump barrel of a greater length than the depth of the deepest container with which the sprayer is adapted to be associated, said pump barrel having an intake orifice at its inner end arranged to be positioned at the bottom of any one of the containers; a piston within said pump barrel; a hollow piston rod connected to said piston and extending outwardly beyond the outer end of the pump barrel and terminating with a spray nozzle, and the said piston rod being formed outwardly of the pump barrel, to provide a hand grasp for reciproca-



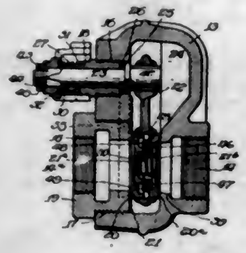
tion; intake and outlet valves associated with said pump barrel and piston; a plug adjustably threaded on the exterior of said pump barrel, said plug being exteriorly formed to adapt it for co-operation with the discharge openings of varying diameters of the containers; and finger pieces located adjacent said plug and extending laterally of the sprayer whereby the sprayer may be held in proper position in the container by said finger pieces by one hand of the operator and the piston and piston rod operated by the other hand of the operator.

1,632,219. FIRE SHUTTER. GEORGE E. DELLER, Covington, Ky. Filed July 30, 1926. Serial No. 126,038. 1 Claim. (Cl. 189—56.)



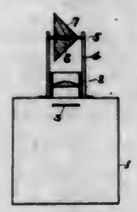
A slat for a rolling fire shutter having a weather side, said slat comprising an elongated piece of metal having a flat horizontal rib extending in a vertical plane across the horizontal medial line of the slat, and upper and lower portions of said sheet metal piece inclined at oblique angles in opposite directions from the upper and lower edges of said horizontal rib respectively, and hook shaped return bent portions and extending in opposite directions formed at edges of said obliquely inclined portions, said hook shaped portions at the upper edge being of smaller contour than the hook shaped portions of the lower edge, said obliquely angled portions inclining from said rib away from the weather side of said slat, and the hooked portion at the lower edge formed with not less than an angle of ninety degrees with said lower obliquely inclined portion, providing such a balance of weight, that substantially equivalent weights of the metal of the slat will be equally disposed with reference to a vertical line extended through said slat, and so that when freely suspended said flat slat will lie parallel with reference to said aforementioned vertical line.

1,632,220. VALVE. THOMAS W. DEMAREST, Pittsburgh, Pa., assignor to The Okadee Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 5, 1920. Serial No. 349,555. 20 Claims. (Cl. 251—18.)



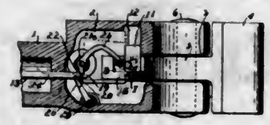
2. A valve device comprising, in combination, a valve body having a passage provided with a seat, and a valve for interrupting said passage by contact with said seat, said valve including a pair of relatively movable and slidably interlocked members and a yieldingly resistant element for constraining their relative movement.

1,632,221. METHOD AND APPARATUS FOR PRODUCING VARIABLE IMAGE EFFECTS IN PHOTOGRAPHY. LEON F. DOUGLASS, Menlo Park, Calif. Filed Sept. 28, 1925. Serial No. 59,024. 2 Claims. (Cl. 88—16.)



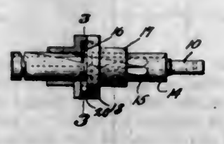
1. A device for producing images of an object in different positions on a photographic film comprising a lens, a large-angle 90-degree prism positioned in the path of the light rays from said object and in front of the lens, having its hypotenuse lying in a plane parallel to the axis of the lens and its front and rear surfaces disposed to the said axis of the lens so that the front surface refracts the light rays from the object to the hypotenuse, the hypotenuse reflects the said rays to the rear surface and the rear surface refracts the said rays through the lens onto a film.

1,632,222. CAR COUPLING. JOHN W. EASTER, San Jose, Calif. Filed July 28, 1926. Serial No. 125,438. 1 Claim. (Cl. 213—132.)



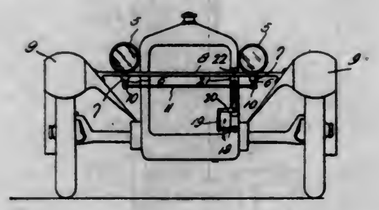
A device of the character described comprising a coupler adapted to be mounted upon a car body, and having a chamber formed therein, a knuckle pivotally mounted thereon with one end movable into said chamber and having a bolt engaging means formed on its upper surface and an angular slot in its lower surface, a gravity actuated bolt slidably mounted in the coupler and engageable with the said means, a rod having slidable engagement with said slot for advancing or retracting the same and actuating means for said rod, and rod actuated means for lifting said bolt oue of engagement with said knuckle.

1,632,223. CAM-SHAFT CONTROL. HOWARD MILLER FEY, San Antonio, Tex. Filed June 18, 1926. Serial No. 116,938. 5 Claims. (Cl. 64—90.)



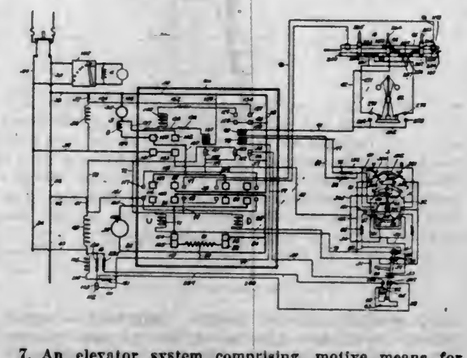
1. In combination with a cam shaft of an engine, a shaft having an elongated opening formed therein and connected with the cam shaft, a sleeve mounted on the last mentioned shaft and having curved elongated openings formed therein, an actuating sleeve mounted on the first mentioned sleeve and having an offset portion, a pin mounted within the offset portion and extending through the curved opening of the first mentioned sleeve and through the elongated opening of the second mentioned shaft, and said actuating sleeve adapted to move the pin through the openings to rotate the cam shaft.

1,632,224. DIRIGIBLE HEADLIGHT CONSTRUCTION FOR AUTOMOBILES. SQUIRE FRANKLIN FLETCHER and HARRY J. SMITH, Lowell, Ind. Filed Aug. 31, 1926. Serial No. 132,758. 1 Claim. (Cl. 240—62.)



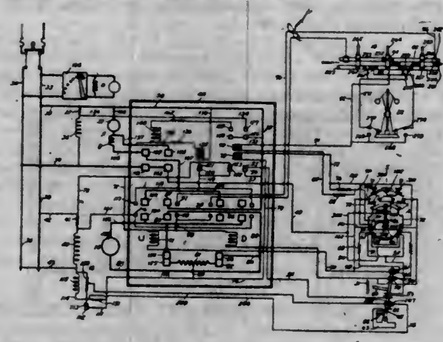
A dirigible headlight construction for automobiles comprising in combination, a pair of headlights mounted for rotation at the front of the automobile, posts depending from the headlights, a headlight supporting rod extending horizontally in front of the vehicle radiator and being connected at its opposite ends to the front fenders of the vehicle, and having openings through which the posts extend, a cross rod interconnecting the headlight posts to facilitate the simultaneous operation thereof, a shaft arranged longitudinally beneath the body of the automobile, means for interconnecting the inner end portion of the shaft with the steering mechanism of an automobile, a bracket clamped at its upper portion to said headlight supporting rod, the lower portion of the bracket being offset, a bell crank lever pivoted on said offset portion, the outer end of the horizontally disposed arm of said bell crank lever being operatively connected to the outer end of said shaft, the vertical arm of said bell crank lever being slotted, and a forwardly projecting pin carried by the aforementioned cross rod and operable within the slotted vertical arm of the bell crank lever whereby said cross rod is actuated to turn the headlights simultaneously with the turning of the steering wheels of the automobile.

1,632,225. ELECTRIC ELEVATOR SYSTEM. GRAHAM B. GROSVENOR, Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 23, 1922. Serial No. 563,094. 20 Claims. (Cl. 172—152.)



7. An elevator system comprising, motive means for raising and lowering the elevator, means for automatically initiating a reduction of the elevator speed to a definite low speed at different distances from a landing, and means for causing the definite low speed of the elevator to be directly in some proportion to the load on said motive means.

1,632,226. ELECTRIC ELEVATOR SYSTEM. GRAHAM B. GROSVENOR, Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed May 23, 1922, Serial No. 563,094. Divided and this application filed Oct. 1, 1925. Serial No. 59,912. 46 Claims. (Cl. 187—29.)



24. An elevator system control comprising in combination, a motor for driving the elevator, a motor control circuit, contact mechanism having stationary and travelling parts, the latter travelling through a space corresponding with the travel of the elevator, to make connection at successive spaced contacts related to the dis-

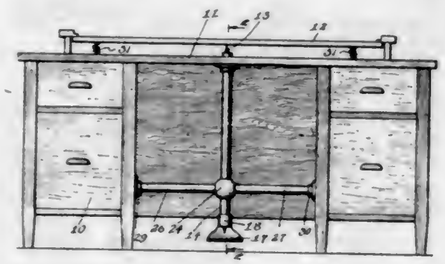
tance of the car from a landing, and another contact mechanism controlled by the speed of the elevator for connecting the motor control circuit selectively through one or another of said spaced contacts.

1,632,227. RESILIENT GRIP FOR IMPLEMENT HANDLES. CHARLES W. HALSEY, Evansville, Ind. Filed Feb. 10, 1926. Serial No. 87,469. 4 Claims. (Cl. 83—62.)



3. A resilient grip for handles comprising a hollow resilient casing open at one end, the internal diameter of the cavity in the casing being reduced at the open end thereof to form a flange to frictionally engage the handle, an internal inclined wall joining the closed end of the casing with the interior side walls thereof to abut the end edge of the handle to center the same and to provide an inner chamber, said inclined wall having a plurality of channels communicating with the inner chamber and the annular space around the handle, and the closed end wall having a central vent to admit air or water around the inner portion of the handle.

1,632,228. OPERATING DEVICE FOR BOOKKEEPING MACHINES AND THE LIKE. VINER J. HEDDEN, East Orange, N. J. Filed Apr. 10, 1925. Serial No. 22,222. 5 Claims. (Cl. 45—90.)



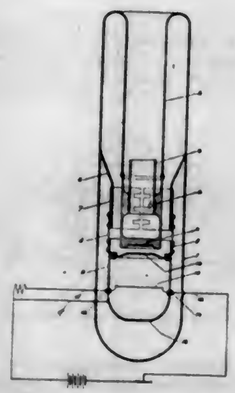
1. In an operating device for bookkeeping machines and the like, a tubular casing dependent from a support, a strap bent at its middle around the end of the casing, a bolt connecting the free ends of the strap, a pedal pivoted on said bolt, a spacing block disposed between the limbs of the strap between said bolt and the casing, said block acting as a spacing member and as an obstacle in the upward movement of the pedal beyond a predetermined point.

1,632,229. ROTARY SPRINKLER. LOUIS E. HOLLAND, Kansas City, Mo. Filed May 11, 1925. Serial No. 29,442. 2 Claims. (Cl. 299—68.)



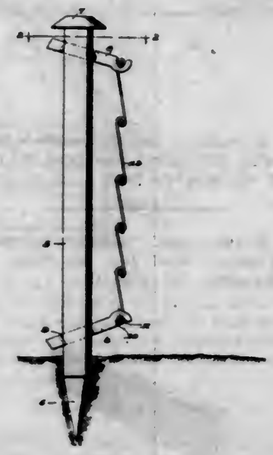
2. In a water sprinkler, a base, an upright water pipe carried by the base, a nozzle in communication with the discharge end of the said pipe, a bladed wheel having a circular series of inclined blades in the path of discharge of the nozzle, and a tip for the discharge end of the nozzle and adjustable to different angular positions relative to the blades of the wheel.

1,632,230. X-RAY TUBE. GILLES HOLST and ALBERT BOUWERS, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed Jan. 15, 1925, Serial No. 2,559, and in the Netherlands Mar. 10, 1924. 2 Claims. (Cl. 250—35.)



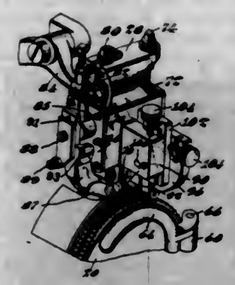
1. An X-ray tube comprising an incandescent cathode characterized in that the incandescent cathode is arranged within a metal vessel extending inside the outer wall of the tube, the anticathode being so insulated from the said vessel that this insulation is capable of resisting the operating voltage to be supplied between the incandescent cathode and the anticathode, the said vessel at the side of the anticathode being constricted to form an opening for the passage of the cathode rays, the part of the anticathode which is struck by the cathode rays being located near said vessel.

1,632,231. FENCE. WILLIAM M. HOLTZ, Shelton, Nebr. Filed Oct. 12, 1926. Serial No. 141,145. 3 Claims. (Cl. 256—23.)



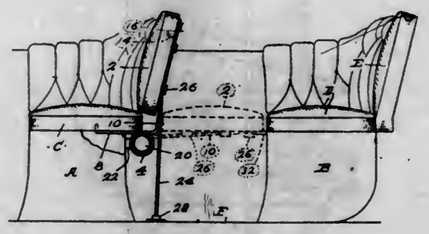
1. The combination with a fence post and fence; of a member having a post receiving recess relatively larger than one cross sectional dimension of said post whereby to loosely receive the same, and fence supporting means carried by said member whereby the weight of a fence will rock said member to bind the edges of said recess to engage said post to hold the member in a set position.

1,632,232. STOCK-FITTING MACHINE. JAMES E. JACKSON, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 18, 1921. Serial No. 485,551. 15 Claims. (Cl. 12—27.)



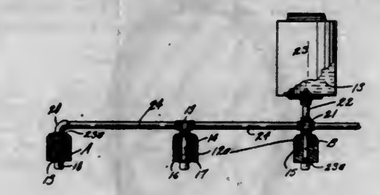
3. A machine for channeling McKay soles comprising, in combination, a sole-supporting feed wheel, a roller presser foot for engaging a sole supported by the feed wheel, an L-shaped channel knife having a horizontal portion extending beneath the roller foot shaped to provide a horizontal cutting edge approximately in the vertical plane through the axis of the roller foot and a vertical portion extending across one end of the roller foot shaped to provide a vertical cutting edge in the vertical plane through the horizontal cutting edge, and a roll arranged to engage the periphery of the roller foot to support the roller foot when the latter is pressed against the work.

1,632,233. CONVERTIBLE SEAT FOR MOTOR VEHICLES. THEODORE G. JOHNSON, Kansas City, Mo. Filed July 21, 1925. Serial No. 45,043. 1 Claim. (Cl. 155—7.)



In combination with the front and rear seats of a motor vehicle, means yieldably supporting the back of the front seat so that said back may be adjusted from normal to a reclining position to cooperate with the front and rear seats in forming a bed, keepers secured to said back, rods removably mounted in said keepers to support said back in normal position, and bolts associated with the rear seat and adapted to engage certain of said keepers to secure the adjustable back in reclining position.

1,632,284. POULTRY ROOST. LEWIS J. KALVIG, Kanawha, Iowa. Filed Dec. 9, 1925. Serial No. 74,318. 2 Claims. (Cl. 119—25.)

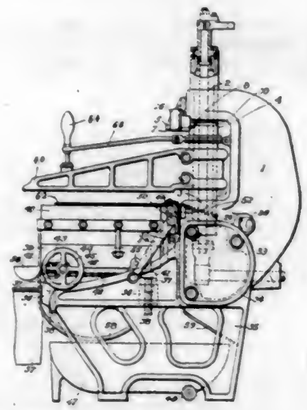


2. A poultry roost comprising a plurality of spaced perch members, each perch member formed of two interfitting parts, one of said parts having a groove in its upper surface for receiving insecticide, the other of said parts being arranged to cover said groove, a supply pipe extending above the several perch members, stub pipes at right angles to the supply pipe and each extending through a perch member and in communication with the groove therein, a supply tank above said supply pipe for containing insecticide whereby the supply of insecticide will flow to the grooves in said perch members by gravity and means screwed on to said stub pipes on either side of said roost members for clamping the parts of the roost members together and sealing the stub pipes relative to the roost members.

1,632,235. PRESS. FRANK BYCROFT KEALL, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 25, 1924, Serial No. 688,453, and in Great Britain Feb. 13, 1923. 19 Claims. (Cl. 164—23.)

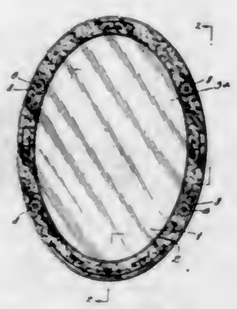
1. In a machine of the class described, a work supporting member and a presser member relatively movable toward and from each other in pressure applying operations and also in directions laterally of each other, a post

for supporting one of the members, and bearings for the post, some of the bearings being operative to maintain the post vertical while the machine is at rest and other



bearings being operative to take the lateral component of the stresses and strains which develop during a pressure applying operation.

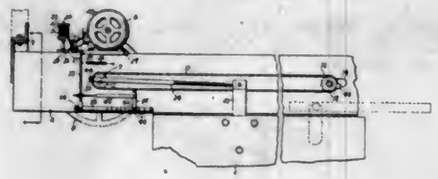
1,632,236. MIRROR. HUGO H. KIRK-SCHNEIDER, New York, N. Y. Filed Aug. 24, 1926. Serial No. 131,191. 4 Claims. (Cl. 41—22.)



1. A mirror comprising a glass plate of suitable dimensions and marginal contour having a central area provided with a reflecting surface and a marginal clear glass framing portion, a backing separable from and independent of the plate and provided with ornamentation visible through the clear glass for framing the reflecting portion, and means extending through the glass and backing for detachably connecting them together, said means harmonizing with the visible part of the backing and cooperating therewith in the ornamentation of the frame.

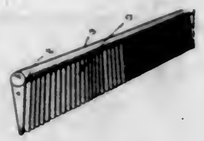
1,632,237. DOOR-OPERATING MECHANISM. FRANK R. LEMON, Vicksburg, Mich., assignor of one-third to Henry B. Crawford and Lulu Lemon Crawford. Filed June 18, 1925. Serial No. 37,977. 8 Claims. (Cl. 268—53.)

8. In a door operating mechanism, the combination of a motor, a pair of sprockets, a sprocket chain coacting with said sprockets and provided with a trip lug, a door connection on said chain, a motor control means comprising a switch lever, a spring acting to hold said switch lever in switch open position, a detent for holding said switch lever in closed position, a spring urging



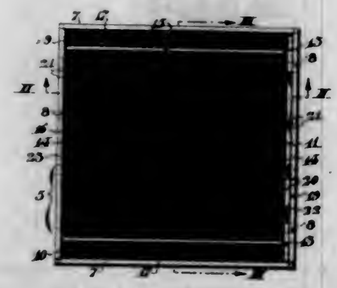
said detent to engaging position, and a trip adjustably associated with said detent and lying in the path of movement of the said trip lug.

1,632,238. HAIR COMB. HERBERT LISTER, Montreal, Quebec, Canada. Filed Dec. 21, 1925. Serial No. 76,734. 3 Claims. (Cl. 132—18.)



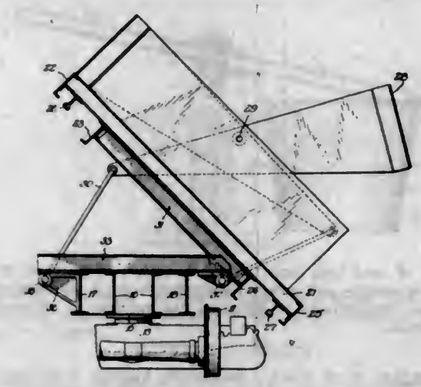
1. A hair comb, comprising a straight running bar, transversely circular in cross section and of identical diameter throughout, and a plurality of teeth having their inner ends in semi-arc construction and merging into said transversely circular running bar and projecting vertically therefrom and forming semicircular slideways between each tooth formed by the juncture of said teeth and transversely circular running bar.

1,632,239. EGG TRAY FOR INCUBATORS. JOHN F. MACKAY, Lancaster, Pa. Filed Mar. 1, 1924. Serial No. 696,122. 11 Claims. (Cl. 119—44.)



1. An egg tray for incubators comprising a frame, a recticulate bottom for supporting the eggs, means for moving said bottom to effect the necessary egg turning, and relatively narrow slidable means for preventing egg shells falling off the tray during the hatching period.

1,632,240. PLANT SERVICE CAR. EDWARD A. MALMGREN, Duluth, Minn. Filed Feb. 11, 1926. Serial No. 87,581. 3 Claims. (Cl. 105—272.)



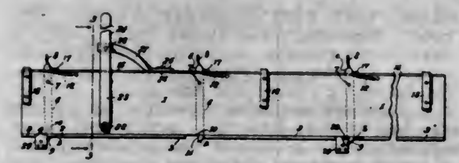
1. In a dump car, a center girder construction, a car body, a cross member fixed to the bottom of the car body, and a pair of transverse members, one upon each side of the cross member, said transverse members being hinged at one end to the center girder construction and at the other to the cross member.

1,632,241. METHOD OF GROWING TOBACCO. GEORGE HENRY MALOTT, Leamington, Ontario, Canada. Filed Dec. 9, 1926. Serial No. 153,655. 1 Claim. (Cl. 47—58.)



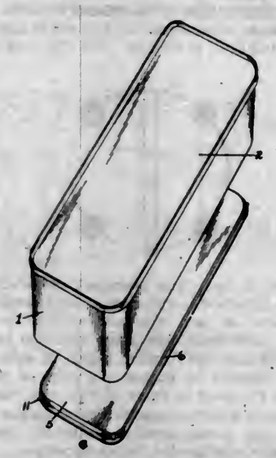
A method of growing tobacco consisting of first allowing the plant to grow until the head and seed pods are formed, then trimming off some of the upper leaves adjacent to the head whereby the surplus sap passes into the head, then allowing the plant to grow until maturity and then heading off the plant.

1,632,242. FLOOR-STRIP CLIP-SETTING DEVICE. THEODORE A. MOORE, Davenport, Iowa. Filed Mar. 21, 1924. Serial No. 700,937. 13 Claims. (Cl. 72—128.)



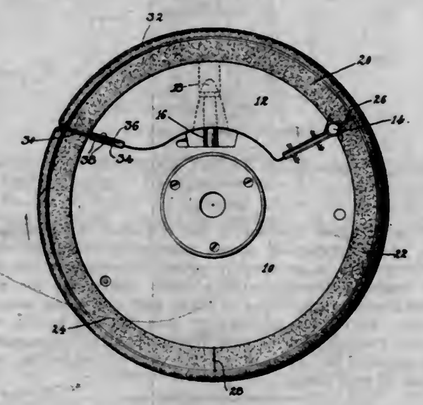
1. A device of the character described for setting clips including a support, plates secured to the support with their adjacent ends spaced to form recesses to receive the clips, and members connected to the support and engageable with the clips for holding them in position.

1,632,243. AUTOMATIC LATCHING DEVICE FOR BURIAL VAULTS. DON D. MYERS, Toledo, Ohio, assignor to The Sozonian Burial Vault Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 8, 1926. Serial No. 100,504. 2 Claims. (Cl. 292—250.)



1. The combination with a platform having a counter sunk ledge extending around the outer edge of said platform, a body member having an inturned flange on the lower edge thereof to seat in said counter sunk ledge, casings secured to the corners of said platform, ledge portions on said casings coincident with adjacent counter sunk ledge portions to provide a substantially unbroken supporting surface around said platform, each casing having a cavity, and a weighted latch member in said cavity and normally swung outwardly therefrom into the path of said inturned flange for engaging the latter for securing said platform and body member parts together.

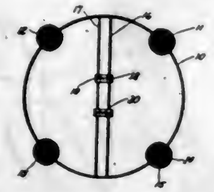
1,632,244. LAST-SCOURING WHEEL. CHESTER L. PEARSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 26, 1922. Serial No. 609,006. 1 Claim. (Cl. 51—194.)



A last scouring wheel having, in combination, a wheel body comprising a main portion and a hinged section with means for locking them together, a relatively thick strip of felt secured to the periphery of the hinged section, a plurality of similar strips of felt secured to the periphery of the main portion and having their adjacent ends

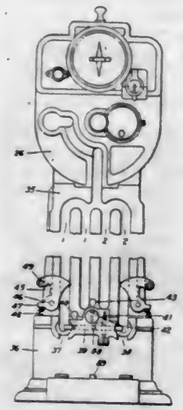
spaced apart, the felt strip on the hinged section also having its ends spaced from the remaining ends of the other strips, and an abrasive sheet supported by the strips of felt.

1,632,245. PERFUMER FOR ELECTRIC FANS. ANDREW RADEEFF, New York, N. Y. Filed Apr. 7, 1926. Serial No. 100,373. 2 Claims. (Cl. 261—24.)



1. A device of the class described comprising a ring adapted to be attached to the cage of an electric fan, containers mounted on said ring and adapted to use perfumed gauze, said containers being mounted in front of said fan, clamp members forming a part of said ring, said clamps being adapted to engage the cage of the electric fan to secure the ring in front of the cage, bars extending diametrically between opposite sides of the ring, said bars having the clamp members pivoted thereon, and springs normally closing said clamp members.

1,632,246. TOKEN SYSTEM. WALTER SIDNEY ROBERTS, Ormskirk, England, assignor of one-half to The Railway Signal Company Limited, London, England, a British Company. Filed Apr. 6, 1925, Serial No. 21,036, and in Great Britain Apr. 14, 1924. 6 Claims. (Cl. 246—19.)



1. In a token instrument for railways, the combination of a plurality of tokens authorizing travel in one direction only, a plurality of tokens authorizing travel in the opposite direction only, a token instrument for receiving both of said types of token, and controlling means on said instrument actuated by both types of tokens to permit the insertion of said tokens into the instrument and actuated by one type of token only to permit the removal of said token.

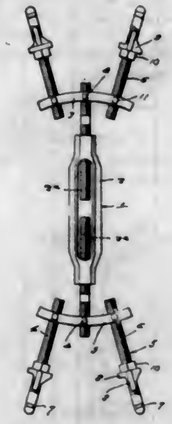
1,632,247. ROSIN DIPPER. EDWARD A. SMITH, Valdosta, Ga. Filed Aug. 18, 1926. Serial No. 130,094. 4 Claims. (Cl. 65—28.)

1. A dipper comprising an open top dipper body, a coupling member secured to the front thereof and including an inclined adjustable upper portion extending over the open top of said dipper body, a handle secured to the inclined portion of said member and extending rearwardly from said body, an upstanding support secured to the



rear of said body and to said handle, said support being adjustable, and means for fixedly securing the support to the dipper body to maintain the support in adjusted positions.

1,632,248. RIM TOOL. ERNEST F. STARKE, Red Cloud, Nebr. Filed July 1, 1926. Serial No. 119,900. 1 Claim. (Cl. 157—1.)

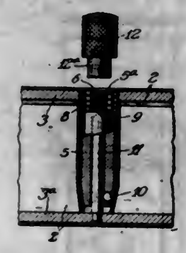


In a rim tool of the class described, a turn buckle including a connector and a pair of screw threaded members, an arcuate head connected at a point between its ends to the outer end of said rod, a pair of screw bolts carried by the end portions of said head, said bolts having their outer ends provided with rim engaging hooks, a lug adjustably mounted on each bolt, said lug embodying a plate having a twisted outer end portion adapted to engage the rim, and a retaining nut threaded on each bolt and cooperable with the respective lug.

1,632,249. LOCK FOR LOOSE-LEAF BINDERS. WILLIAM J. STERNROD, Benton Harbor, Mich., assignor to Baker-Vawter Company, Benton Harbor, Mich., a Corporation of Michigan. Filed Aug. 30, 1926. Serial No. 132,403. 2 Claims. (Cl. 129—13.)

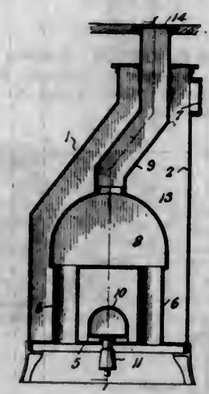
1. A ball-clutch mechanism for a pair of separable binder back members including a tube secured to one binder back member and formed with an interiorly coned end, a coaxially disposed post secured to the other binder back member, a ball-carrier having a hollow main portion coaxially arranged around said post within said tube and having a reduced threaded stem portion lying within the plane of said first-mentioned binder back member, said ball carrier being equipped with clutch balls and said first-mentioned binder cover being formed with

an orifice in alignment with said threaded stem of said ball-carrier of less diameter than the main portion of said ball-carrier, and a compression spring interposed



between the main portion of said ball-carrier and the marginal portion of said binder cover member around said orifice therein.

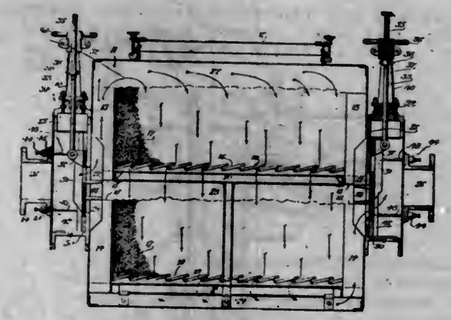
1,632,250. WARM-AIR GENERATOR. CHARLES A. STOLL, Kane, Pa. Filed Aug. 17, 1925. Serial No. 50,889. 2 Claims. (Cl. 126—116.)



1. In a warm air generator, the combination of an outer casing having a perforated bottom, a plurality of vertically disposed air flues positioned in parallel rows mounted in apertures in said bottom, a gas burner positioned intermediate of said air flue rows, a horizontally disposed air chamber mounted on the upper ends of said air flues provided with a common communication therewith, a rectangular formed discharge air port located in the upper wall of said air chamber and having a longitudinal dimension comprising several multiples of its dimensional width, an air discharge conduit mounted on said discharge port and formed with a warm air discharge opening in the upper end thereof and having substantially the same cross sectional form as the discharge port throughout its length.

1,632,251. GAS-PURIFYING APPARATUS. THOMAS W. STONE, Fort Wayne, Ind., assignor to Western Gas Construction Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Feb. 16, 1922. Serial No. 536,882. 11 Claims. (Cl. 183—48.)

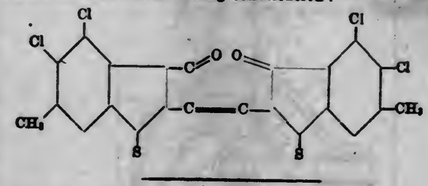
1. In a gas purifying apparatus, in combination; a purifying box provided with upper and lower tiers for supporting masses of a gas purifying agent and providing a gas passageway above the upper tier, a gas passageway below the lower tier and an intermediate gas passageway between said tiers; upper and lower gas flow channels located at the opposite ends of said boxes, the upper channels communicating only with the upper gas flow passageway and the lower channels communicating only with the lower gas flow passageway; a gas flow regulating means comprising a valve casing positioned at each end of the purifying box, each valve casing having



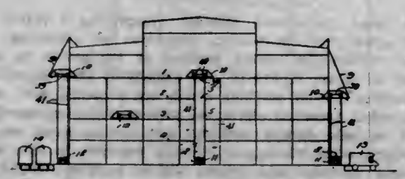
ports respectively communicating with the upper gas flow channel, the intermediate gas flow passageway and the lower gas flow channel, a valve body yieldingly held in juxtaposition with said ports and movable into positions for selectively opening any one of said ports, or the upper and lower ports simultaneously, and manually-controlled means for operating said valve body; substantially as specified.

1,632,252. THIOINDIGO VAT DYESTUFFS AND PROCESS OF MAKING SAME. KARL THIESS, CARL JOSEF MÜLLER, and ERNST RUNNE, Hochst-on-the-Main, and ALBERT SCHAEFFER, Marxheim-on-the-Taunus, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed June 22, 1926, Serial No. 117,850, and in Germany June 27, 1925. 10 Claims. (Cl. 260—53.)

8. As a new product, the herein described thioindigo vat dyestuff of the following constitution:



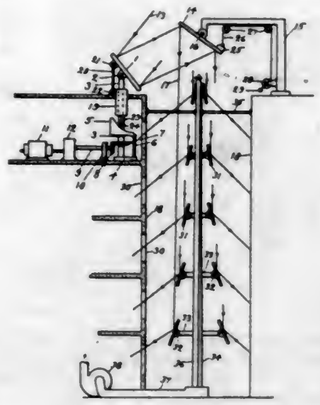
1,632,253. APPARATUS FOR LOADING AND UNLOADING FREIGHT. EDWARD J. TRIAY, Jr., Jacksonville, Fla., and PERCY L. FARMER, Richmond, Me. Filed Oct. 11, 1921. Serial No. 506,991. 4 Claims. (Cl. 214—14.)



1. A portable elevator comprising a base frame having an opening therethrough and a movable platform arranged within said frame, and adapted to pass through

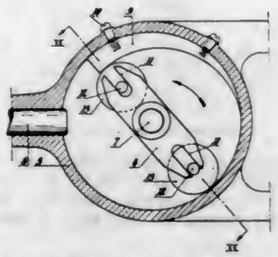
said openings, runways at each end of said base frame on line with said opening for loading and unloading the said platform.

1,632,254. WINDOW-LIGHTING SYSTEM. EUGENE VINOGRADOV, New York, N. Y. Filed Oct. 1, 1926. Serial No. 138,949. 4 Claims. (Cl. 88—25.)



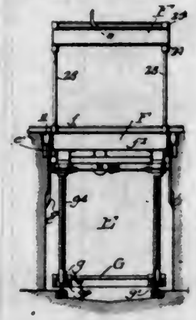
1. In a window lighting system, the combination with a plurality of stationary adjustable mirrors adapted to direct the sunlight into windows of a house, a movable mirror adapted to reflect the sunrays onto said stationary mirrors, means to rotate said movable mirror in a horizontal and vertical plane in accordance with the movement of the sun, means to stop said rotation when said mirror reaches a predetermined position, and means to start said rotation at a predetermined time.

1,632,255. ROTARY PERCUSSION IMPLEMENT. GEORGES ERNEST WAGNER, St.-Etienne, France. Filed May 13, 1926, Serial No. 108,930, and in France Jan. 16, 1926. 1 Claim. (Cl. 123—33.)



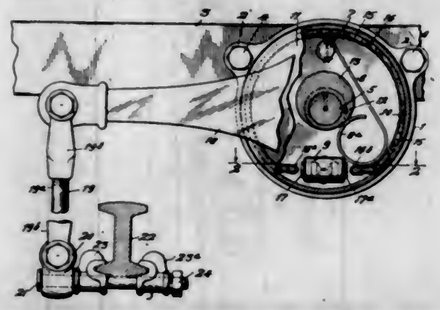
A rotary percussion element, comprising a casing; a high-speed shaft projecting thereinto; an actuating element within the casing secured at its center to said shaft to rotate therewith and embodying two oppositely-extending, forked portions which are provided with alining radial terminal slots; an impact roller mounted in each of said forked portions and having axles on its opposite sides which are slidably engaged in the slots therein whereby said rollers will be carried around by said actuating element in its rotation and will be forcibly pressed against the inner surface of the casing; and a member projecting into said casing to receive the full impact of each roller periodically during the rotation of the actuating element.

1,632,256. DROP PIT. ARTHUR L. WALTER, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Mar. 31, 1926. Serial No. 98,861. 22 Claims. (Cl. 104—32.)



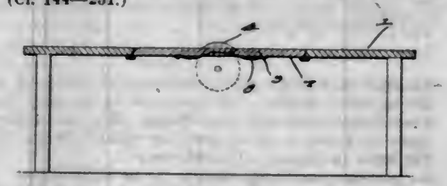
1. In an equipment of the character described, the combination with a pit, of drop tables adapted to be lowered into the pit, means for locking the tables at the top of the pit, and raising and lowering mechanism whereby one of the drop tables may be raised from its locked position and replaced by another at the top of the pit.

1,632,257. SPRING GOVERNOR. THOMAS F. WILLIAMS, Fairhaven, N. J., assignor to Inglis M. Uppercu, Deal, N. J. Filed June 18, 1924. Serial No. 720,754. 14 Claims. (Cl. 188—130.)



1. A spring governor comprising a drum, a pivotal mounting therefor, a brake member located within and engaging the inner surface of said drum, an abutment member receiving the ends of the brake member thereagainst, and means actuated by the relative movement of said brake member and drum for effecting a local pressure of said member against said drum.

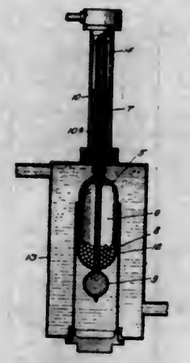
1,632,258. CUTTER GUARD FOR DADO WOODWORKING MACHINES. JOHN F. WILSON, St. Louis, Mo. Filed June 11, 1925. Serial No. 36,364. 4 Claims. (Cl. 144—251.)



1. In combination with a woodworking table having an opening therein, in which a cutting mechanism is adapted to operate, the table being provided with a slot

adjacent each side of the opening, of a guard for the cutting mechanism comprising a segmental plate slidable vertically in each of said slots, resilient means associated with said plates for normally urging the same upwardly, said plates adapted to move downwardly in the respective slots when a piece of work is moved across the opening and the cutting mechanism.

1,632,259. TESTING DEVICE. ROBERT E. WILSON, Chicago, Ill., and WILLIAM H. BAHLKE, Whiting, Ind., assignors to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Jan. 5, 1925. Serial No. 722. 2 Claims. (Cl. 265—46.)



1. A hydrometer for oils comprising a thermometer the liquid of which extends up the stem of the hydrometer, the level of the thermometric liquid coinciding with the oil level when the hydrometer is immersed in an oil of a predetermined specific gravity at a predetermined temperature, the hydrometer and thermometer being proportioned relatively one to the other so that a change of temperature effects an equal and opposite movement of the hydrometer and the thermometric liquid level.

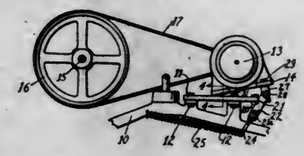
1,632,260. GARDEN TOOL. ROBERT B. WOODALL, Malvern, Ark. Filed Sept. 15, 1925. Serial No. 56,494. 2 Claims. (Cl. 97—66.)



1. In an agricultural tool, a handle portion, a pair of spaced resilient arms extending from one end of the handle portion and having laterally extended extremities, a head embodying blades extended at substantially right angles with respect to each other, pivotally supported on the laterally extended extremities of the arms so that the heads may be moved to bring either blade to its active position, flanges formed integral with one of the blades and extending laterally therefrom, fingers on the flanges and engaging the adjacent blade to secure the blades against movement with respect to each other, and lips formed on the edges of the flanges and adapted to engage the spaced arms when the head is moved to hold the head in its positions of adjustment.

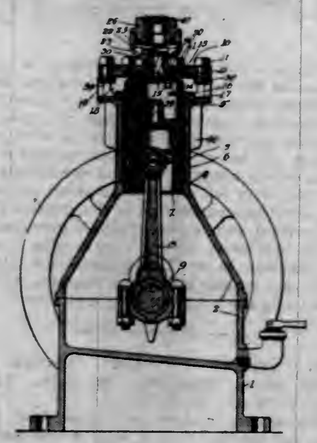
2. In an agricultural tool, a handle portion, a pair of spaced resilient arms extending from one end of the handle portion, a head embodying blades extending at substantially right angles with respect to each other pivotally mounted on the arms, said head adapted to be moved to cause a blade to engage the arms, and means carried by the head and adapted to cooperate with the blade engaging the arms to hold the head in its adjusted position.

1,632,261. ADJUSTABLE SUPPORT FOR ELECTRIC MOTORS. OLIVER B. WOODROW, Newton, Iowa. Filed Oct. 15, 1924. Serial No. 743,765. 2 Claims. (Cl. 308—11.)



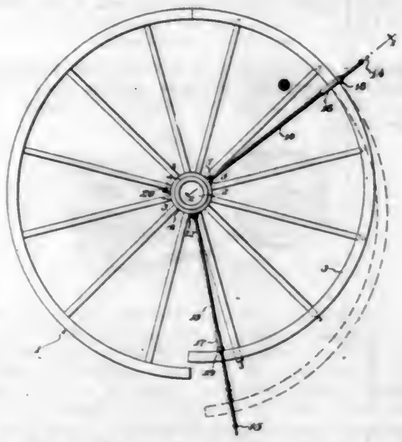
1. In a device of the class described, the combination of a stationary support, a base plate fixed in substantially horizontal position to the stationary support, a motor resting with one edge upon said base and having a driving pulley connected therewith, a belt passed around said pulley, a substantially U-shaped lever fulcrumed to a stationary support below the base and extended upwardly therefrom, means for pivotally connecting the upwardly extended ends of said U-shaped lever to the motor on the side opposite from the side thereof which engages the base, and a spring fixed to the lower end of the lever and to the stationary support tending to move the lever to position for causing the motor to swing to position resting flat upon said base.

1,632,262. FLUID COMPRESSOR. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 5, 1925. Serial No. 54,632. 19 Claims. (Cl. 230—6.)



1. In combination, a cylinder head, a closed discharge valve chamber spaced from said head for retaining hot compressed air under pressure, a connection between said chamber and head of low heat conductivity to limit the travel of heat from said compressed air to said head, there being a passageway through said head and connection, a valve in said chamber controlling said passageway, and an intake valve having a seat supported by said head independently of said passageway.

1,632,263. DEVICE FOR EXPANDING WHEEL RIMS. WILLIAM A. ANDERSON, Kanorado, Kans. Filed Feb. 9, 1927. Serial No. 167,010. 3 Claims. (Cl. 157—2.)



1. A device of the class described, comprising a band for engagement with a wheel hub, screw shafts having their inner ends rotatably engaged with the band, and heads adjustable upon the shafts for engagement with the rim of the wheel.

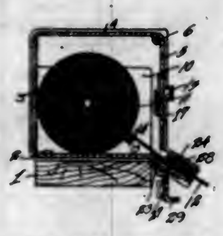
1,632,264. ENGINE-STARTING DEVICE. AUGUST AVIS, Malang, Java, Dutch East Indies. Filed Apr. 18, 1927, Serial No. 184,779, and in the Netherlands June 16, 1925. 4 Claims. (Cl. 185—41.)



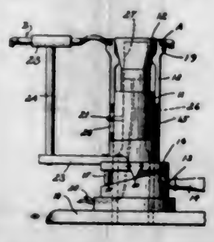
1. An engine starting device, comprising an elongated frame mounted for both endwise and vertical movement and embodying spaced upper and lower horizontal racks; a shaft extending transversely through the space between the racks and provided with a pinion; a starting spring connected to one end of the frame for pulling it endwise in one direction; a spring detent automatically engageable with the other end of the frame when the latter has moved a predetermined distance in the opposite direction; a shaft provided with a cam which is permanently connected with said frame for positively moving it vertically in either direction, so as to bring either rack into engagement with said pinion; and means operated by the rotation of the cam shaft for releasing said detent.

1,632,265. TICKET CABINET. EDWARD AXBERG, Spokane, Wash. Filed Feb. 16, 1926. Serial No. 88,551. 1 Claim. (Cl. 211—31.)

A ticket cabinet comprising a ticket roll container having a flat bottom, a rear wall, a top wall, closed ends and a front plate hinged to the front top edge of said top wall and having its lower edge disposed in slightly spaced relation above said bottom to form a ticket slot, means for locking said front plate in closed position, an inclined glass cover plate disposed over the ticket slot and having its forward edge placed to form a ticket cutter, an inclined delivery flange formed on the front edge of said container bottom beneath said cover plate and parallel thereto, said flange terminating inwardly of the outer edge of said cover plate to provide a finger clearance, a drop plate hingedly suspended from the forward edge of said delivery flange to hang in finger clearing position, said drop plate being formed for closing the ticket slot by being swung upwardly in abutting relation to said cover plate, and means for locking said drop plate in slot closing position.

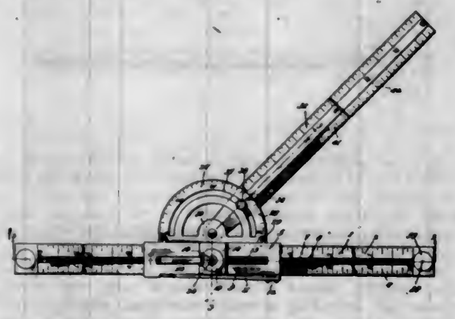


1,632,266. OPHTHALMIC-RIM STRETCHER. NELSON M. BAKER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 15, 1923. Serial No. 662,933. 6 Claims. (Cl. 81—3.5.)



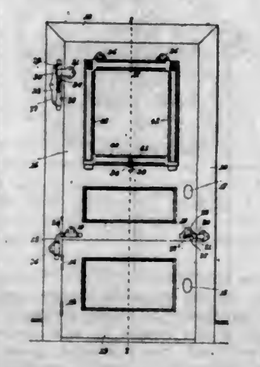
1. In a device of the character described, a base, a support thereon having a conical head, a split sleeve around the support having a seat for a lens rim in line with the conical head of the support, a cam engaging the sleeve whereby movement of the cam will slide the split sleeve on the support against the conical head thereof to expand the sleeve and the supported lens rim thereon.

1,632,267. DRAFTING INSTRUMENT. JOHN C. BEEM, Sawtelle, Calif. Filed Mar. 17, 1926. Serial No. 95,419. 3 Claims. (Cl. 33—110.)



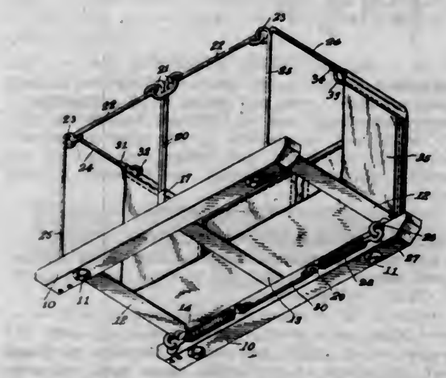
1. A drafting instrument of the class described comprising a base bar, a carriage slidably disposed upon the upper side of the base bar and adjustable longitudinally thereof and having a longitudinally extending slot, a ruler arm supported upon the carriage for angular adjustment with respect to the base bar, a rack upon the base bar extending longitudinally thereof and in alinement with the slot in the carriage, a pawl upon the carriage engaging between the walls of the slot in the carriage and coacting with the rack and reversibly adjustable to engage the rack in either direction with respect to the length thereof, the engagement of the pawl between the walls of the said slot serving to prevent displacement of the pawl, and means for actuating the pawl to exert a thrust against the teeth of the rack to effect adjustment of the carriage along the base bar.

1,632,268. COMBINED DOOR AND TABLE. CHARLES F. BERRY, Boston, Mass. Filed Apr. 3, 1926. Serial No. 99,466. 5 Claims. (Cl. 45—51.)



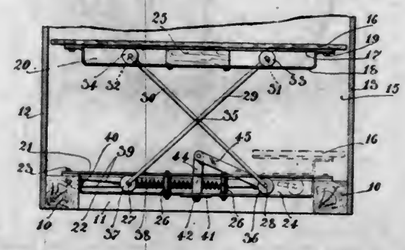
1. A single door element; a frame therefor; two vertically alined hinge connections between one side of said door element and said frame and about the axes of which said door is movable, one of said hinge connections serving both as a hinge for the door element and also a lock, said lock including a bolt which is movable into an unlocking position; and horizontally alined hinge connections between the bottom of said door element and said frame, the pin of one of said horizontal hinge connections being integral with the pin of the lower vertical hinge connection.

1,632,269. COLLAPSIBLE HAMPER. HARRY T. BRADLEY and FRANK JACOBI, Newark, N. J. Filed May 12, 1925. Serial No. 29,699. 7 Claims. (Cl. 150—49.)



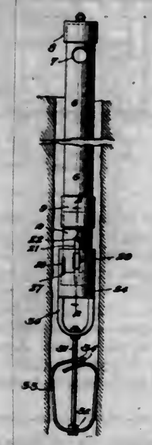
1. A collapsible hamper comprising a pair of spaced skids of rectangular cross section provided with bevelled ends having end and intermediate cross bars, a frame composed of corner, side and rim members interconnected by integral hooks and eyes at their outer ends and simultaneously foldable over said skids, all of the corner and side members having permanently hinged connections with the skids and presenting a regular rectangular structure when erect, and a woven covering at the bottom, sides and ends of the structure above the skids and cross bars thereof.

1,632,270. ADJUSTABLE BOTTOM FOR HAMPERS. HARRY T. BRADLEY and FRANK JACOBI, Newark, N. J. Filed Sept. 22, 1925. Serial No. 57,804. 4 Claims. (Cl. 217—64.)



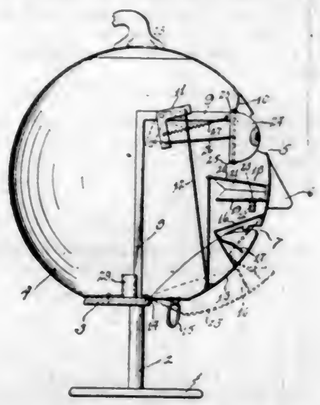
1. A hamper comprising four walls, a bottom adjustable up and down therebetween, spaced bars attached to the under surface of said bottom, other spaced bars fixed on the hamper frame, rods disposed longitudinally below said bottom having their ends bent to form angular arms, said rods being pivoted at their points of intersection near the ends of said bottom, rollers carried by said rods operative respectively in the spaces between the bars on said bottom and the spaces between the frame carried bars, tension means tending to draw said rods towards each other whereby the bottom is caused to rise, and means for limiting the movement that can be imparted to said bottom.

1,632,271. WELL-SEALING DEVICE. HARRY H. BREENE, Tulsa, Okla. Filed May 8, 1926. Serial No. 107,730. 8 Claims. (Cl. 294—69.)



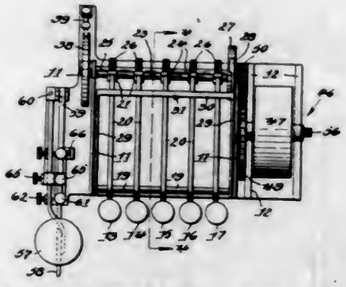
1. A device for depositing sealing material in a well comprising a hollow member containing a valve, an outwardly-springing latch in said member engageable with said valve while depressed, and a sleeve longitudinally movable on said member depressing said latch while in one position and arranged to release said latch on movement to another position.

1,632,272. MOVABLE FEATURE FIGURE TOY. JOHN L. CENTLIVERE, Laramie, Wyo. Filed Feb. 19, 1926. Serial No. 89,386. 2 Claims. (Cl. 46—40.)



1. A device of the type described comprising a support, a head mounted upon said support, eye members mounted for movement toward and away from each other in said head, a movable jaw member, and means operatively connecting said eye members and said jaw member for simultaneously moving said eye members toward then away from each other when said jaw member is actuated.

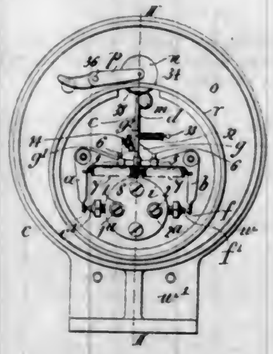
1,632,273. TELEGRAPH TRANSMITTING INSTRUMENT. WILLIAM D. COOPER, White Bear, Minn., assignor of forty-nine two-hundredths to Henry Weiller and forty-nine two-hundredths to Robert C. Sweet, St. Paul, Minn. Filed July 9, 1923. Serial No. 650,345. 12 Claims. (Cl. 178—83.)



1. In a telegraph transmitting instrument, a normally stationary shaft, means for intermittently rotating said shaft, a switch bar adapted to be vibrated, means operatively connecting said shaft with said bar, a series of keys, means severally connecting said keys with said shaft whereby said shaft is allowed to rotate through predetermined different angles when the several keys are manipulated and means under control of the several keys for positively stopping rotation of said shaft upon the completion of predetermined combinations of vibrations of said bar.

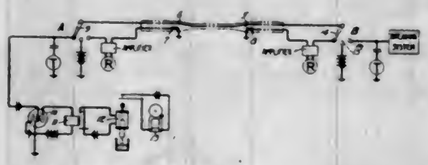
1,632,274. ELECTRIC TRANSMITTER FOR USE IN AUTOMATIC TELEGRAPHY. FREDERICK GEORGE CREED, Croydon, England. Filed June 27, 1922, Serial No. 571,262, and in Great Britain Aug. 16, 1921. 5 Claims. (Cl. 178—17.)

1. In an automatic telegraphic transmitter of the kind comprising a vertical support, two bell crank levers pivoted to the front side thereof and each having a horizontal arm and a depending arm, the two horizontal arms extending towards each other, a rotary tape feed wheel mounted at the front of said support, two upwardly extending peckers connected respectively to the inner ends of the two horizontal arms of said levers and adapted to co-operate with perforated tape, means for depressing the horizontal arms of said levers alternately and spring means tending to raise the horizontal arms of said levers and to move the depending arms of said levers towards



each other, the combination with the two depending arms of the levers of two movable electric contacts carried thereby, two stationary contacts arranged between the movable contacts and carried by said support but insulated therefrom and two insulated contact pins connected to said stationary contacts, extending through said support and adapted to make electrical connection with other insulated contacts, when the transmitter is mounted in position for use.

1,632,275. SIGNALING SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Feb. 14, 1925. Serial No. 9,175. 21 Claims. (Cl. 178—63.)

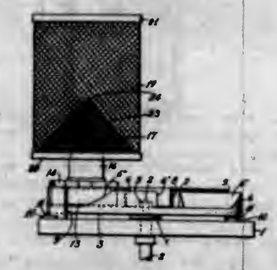


1. In a signaling system, transmitting and receiving mechanisms located at the respective stations, a leak circuit associated with said transmitting mechanism, a device substantially free of hysteresis included in said leak circuit and unresponsive to the operation of said transmitting mechanism, and means controlled by the receiving operator for effecting the operation of said device.

1,632,276. APPARATUS FOR CATCHING FLIES. CALIXTO DE LA TORRIENTE, Habana, Cuba. Filed Jan. 14, 1926, Serial No. 81,283, and in Cuba Nov. 11, 1925. 1 Claim. (Cl. 43—111.)

Apparatus for catching flies comprising a platform, a rotary wheel on a shaft mounted across the same and provided on its visible face with a plurality of spaced apart projections of trapezoidal shape with one edge vertically cut and the other edge forming an inclined plane, said projections leaving between them free hollow spaces, a lid covering part of the wheel and forming a tight passage for the projections of the wheel and having

on its end inlet portion an open section covered with a transparent plate and being provided at its outlet end with a hinged door adapted for sliding on each projection of the wheel and for sliding downwards from each inclined edge of the same and thereby forming a closure for the following free hollow space, an outlet element



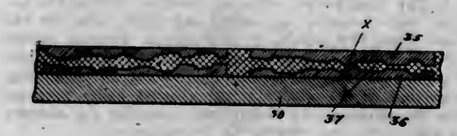
located above an opening of the said lid, near the said small plate and terminating in an upwardly opening trunk-cone, a second upwardly opening trunk-cone which surrounds the first trunk-cone whereby a chamber is formed between them, and a closed receptacle located around the said trunk-cones and removable therefrom.

1,632,277. BEADING AND THE LIKE. CHARLES DESOUTTER, London, England. Filed Jan. 15, 1926, Serial No. 81,532, and in Great Britain Jan. 22, 1925. 3 Claims. (Cl. 3—0.)



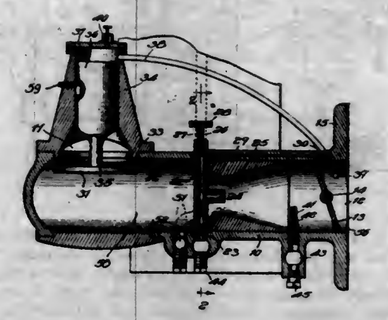
1. Beading for an edge of sheet material comprising a rod or wire having a longitudinal cut in one side to receive the edge of the sheet to leave a flush unbroken surface at the joint partly formed by one surface of the sheet and partly by the surface of the beading, and also having a flange extending therefrom and the inner surface of which serves to bear against the outer surface of the sheet material and is an extension of the outer side of said cut.

1,632,278. METHOD OF PRODUCING COLORED PHOTOGRAPHIC FILMS. LEON F. DOUGLASS, San Rafael, Calif. Filed Oct. 16, 1919. Serial No. 331,067. 6 Claims. (Cl. 95—2.)



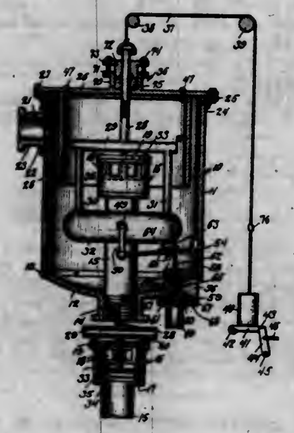
1. A method of producing colored photographic film which consists in exposing a film sensitized with a layer of silver halide emulsion from opposite sides thereof to produce within said layer an inner and outer series of images in registry and of selected intensity and color values, developing said images, toning and dyeing the outer series of said images, treating the outer series of said images with a solution adapted to leave the outer images the color employed in the dyeing step, and toning and dyeing the inner series of images.

1,632,279. CARBURETOR. NOBLE ECKLES, San Diego, Calif., assignor of three-fourths to Lewis W. Rhode, Los Angeles, and one-fourth to Claus Spreckels, San Diego, Calif. Filed Feb. 27, 1922. Serial No. 539,338. 3 Claims. (Cl. 261—41.)



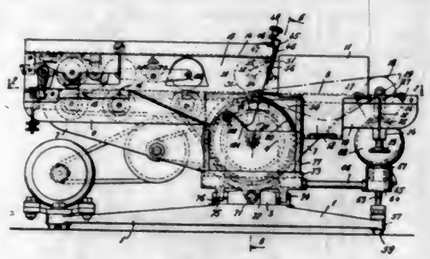
1. In a carburetor, a carbureting chamber having an air inlet and a mixture outlet, a throttle valve in said mixture outlet, a main fuel nozzle discharging into said carbureting chamber, a passageway extending from said nozzle and terminating in said mixture outlet outside of said throttle, and air bleed means open at all times to said nozzle and being adjustable to control the connection of said passageway with said nozzle and said air bleed means.

1,632,280. STEAM SEPARATOR. FRANCIS F. EMORY, Leominster, Mass. Filed May 29, 1926. Serial No. 112,632. 7 Claims. (Cl. 183—108.)



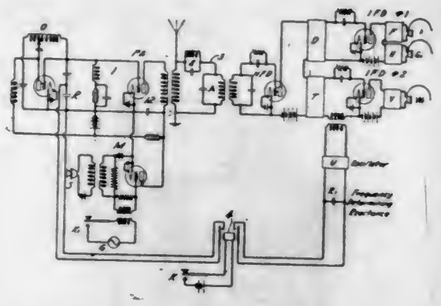
1. A separator structure of the character described, comprising a casing having an inlet adjacent the top thereof, a discharge pipe extending vertically within said casing and opening toward the lower portion thereof and having the upper end thereof formed to set up a plurality of apertures, a sliding valve within the upper portion of said pipe, a float element within the casing having connection with said valve to raise same upon the rise of water in the casing, to close the said apertures, and means for draining water from said casing.

1,632,281. STAMP-CANCELING MACHINE. JOHN W. ESKHOLME, East Orange, N. J., assignor to Red Star Appliances, Inc., New York, N. Y., a Corporation of Delaware. Original application filed Mar. 9, 1925, Serial No. 14,045. Divided and this application filed Nov. 17, 1925. Serial No. 69,592. 25 Claims. (Cl. 271—41.)



1. In a machine of the character described, the combination of a platform on which a stack of envelopes may be placed with their bodies substantially horizontal and their flaps hanging downward over the edge thereof in shingled relation, a feeding drum for withdrawing the lowermost envelope, and means for reducing the friction of that envelope on said platform.

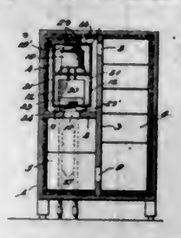
1,632,282. TWO-WAY WAVE TRANSMISSION SYSTEM. JOHN F. FARRINGTON, Flushing, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1923. Serial No. 683,305. 14 Claims. (Cl. 250—9.)



1. In a duplex wave transmission system, a source of outgoing carrier waves effective to aid in the reception of received waves, a local source of waves effective to beat with energy controlled by received waves, and a signaling element for causing equal and simultaneous changes in the frequencies of said outgoing waves and the waves produced by said local source of waves.

1,632,283. COOLING UNIT. JONATHAN P. B. FISKE, Detroit, Mich., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan. Filed Feb. 28, 1921. Serial No. 448,549. 3 Claims. (Cl. 62—116.)

1. A refrigerating apparatus comprising a refrigerant compressor, a motor to drive the compressor, a condenser, a vaporizer, and a housing directly supporting the said motor compressor and condenser parts and extending around the vaporizer with air openings through the exterior walls of the housing near the top and bottom parts of the vaporizer to induce circulation of air in and out of the housing, and thermally controlled means associated with the housing opening at the bottom part of the vaporizer for controlling the passage of air therethrough, said



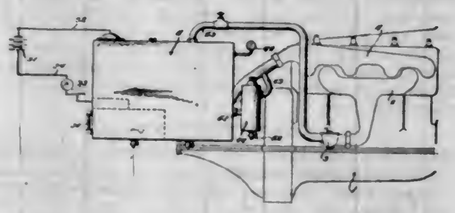
apparatus being assembled and movable as a unit and adapted by circulation of air through said housing to cool the air of any chamber in which the unit is placed.

1,632,284. SHEARS. ARTHUR GARDINER, Midland Junction, Western Australia, Australia. Filed July 9, 1923. Serial No. 650,551. 1 Claim. (Cl. 30—13.)



Shears including a pair of opposed handle members, cutting blades being laterally offset at the outer ends of said handles, one of said offset portions having an internally threaded socket projecting from the inner side thereof, an apertured boss formed on the offset portion of the other handle member and adapted to receive therethrough the threaded socket to form a pivot for the handles, and a headed screw adapted to be passed through the boss and threaded into the socket with its head contacting with the outer end of the boss to retain said handle members in their proper relative positions.

1,632,285. GAS GENERATOR. JOHN J. GEORGI, West Orange, N. J. Filed Dec. 6, 1923. Serial No. 678,926. 6 Claims. (Cl. 123—119.)

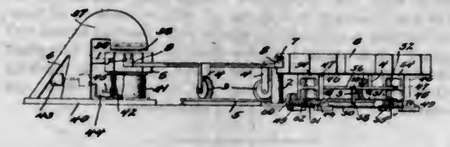


1. The combination with an internal combustion engine, the carbureter associated therewith, and the exhaust from the engine, of a receiving chamber, means for electrolytically decomposing water and delivering the evolved gases to the said chamber, means for conducting a portion of the gas from the exhaust under pressure into the chamber, and means for conducting the mixture of gases from the chamber to the carbureter.

1,632,286. CONCRETE-MOLDING MACHINE. WILLIS GRAHAM, Houston, Tex. Filed Dec. 10, 1923. Serial No. 679,767. 23 Claims. (Cl. 25—66.)

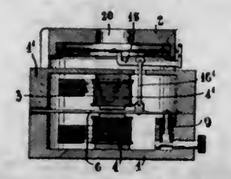
1. A molding device, comprising in combination, an elevated container for moldable material provided with means for regulating the discharge thereof, means for

compressing said material in molds, a conveyor adapted to receive compressed articles, and means for moving a series of pivotally mounted molds into cooperative rela-



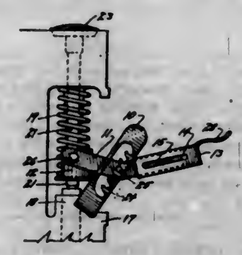
tion successively with said container, said compressing means and said conveyor and means to invert said molds successively to release their compressed contents on to said conveyor.

1,632,287. LOUD SPEAKER FOR WIRELESS TELEPHONY AND OTHER PURPOSES. PETER GRASSMANN, Berlin, Germany. Filed Mar. 20, 1925, Serial No. 17,123, and in Germany Feb. 9, 1925. 5 Claims. (Cl. 179—108.)



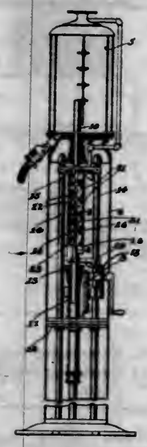
1. A loud speaker comprising in combination a sound box having a vibrating diaphragm mounted therein, a telephone casing having an electrically controlled magnet and an armature pivotally mounted therein, a wall separating the sound box from the telephone casing, a controlling pivoted member in the sound box connected to the centre of the diaphragm and a connecting member between the said controlling member and the armature, the points of connection of the connecting member with the said controlling member and with the armature respectively being eccentric with respect to the centre thereof and the controlling member passing through the wall separating the sound box from the telephone casing as set forth.

1,632,288. VALVE-SPRING COMPRESSOR. CLINTON HAYS and WELLINGTON M. THOMAS, Denver, Colo. Filed Aug. 31, 1925. Serial No. 53,505. 3 Claims. (Cl. 29—86.3.)



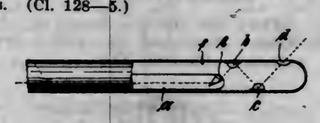
2. A valve spring compressor comprising a lever, a piece of sheet metal bent to partially surround said lever; and a hand rest formed on said sheet metal, said sheet metal being slidable on said lever to form an extension thereof.

1,632,289. LIQUID-DISPENSING TANK. LLOYD S. HENWOOD, Lancaster, Pa., assignor to The National Store Specialty Co., Lancaster, Pa., a Corporation of Pennsylvania. Filed May 20, 1926. Serial No. 110,549. 3 Claims. (Cl. 221—100.)



1. The combination with an elevated liquid container and a vertically adjustable overflow pipe movable therein, of a rigid element carried by the overflow pipe and projecting laterally therefrom, a spring urged element associated with the rigid element and slidably received on the latter, and graduated means arranged parallel to the overflow pipe and adapted to be engaged by the spring urged manipulating and latching element whereby to hold the overflow pipe in any predetermined position.

1,632,290. INSTRUMENT FOR THE INSPECTION OF PIPES, CANALS, AND CAVITIES OF THE HUMAN OR ANIMAL BODY. PAUL HEYMER, Berlin-Reinickendorf-Ost, Germany, assignor to Hans Kollmorgen, Berlin-Charlottenburg, Germany. Filed June 27, 1925, Serial No. 40,042, and in Germany July 1, 1924. 4 Claims. (Cl. 128—5.)

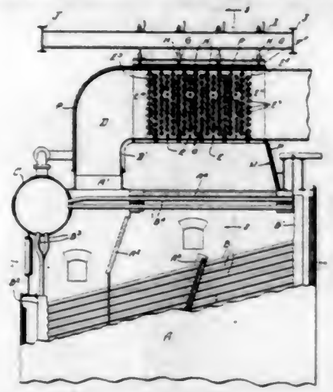


1. Instrument for the inspection of pipes, canals and cavities of the human or animal body comprising an outer tube provided with a lateral window, an inner picture-forming optical system and a reflector located between the window and the distal end of the optical system so as to allow the distance between them to be made at least equal to the tube's diameter.

1,632,291. ECONOMIZER BOILER. EUGENE S. HIGHT, Peoria, Ill., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1924. Serial No. 738,431. 5 Claims. (Cl. 122—421.)

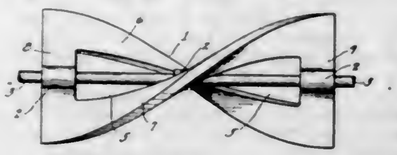
1. In an economizer boiler unit, the combination with a water tube boiler and its housing having a heating gas outlet at the top of the housing adjacent one side of the latter of an economizer located above the boiler and comprising a housing having a heating gas inlet adjacent said one side of the boiler and a heating gas outlet adja-

cent the opposite side of the boiler and spaced away from the top of the boiler housing to provide a heat insulating space, a conduit for passing heating gases from



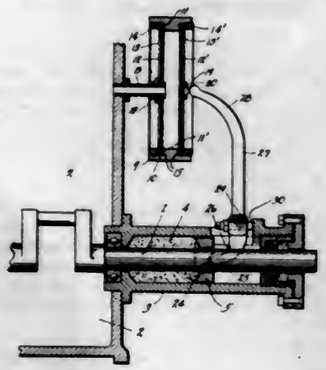
the boiler outlet to the economizer inlet closing one side of said space, and heat insulating walls closing the other side of said space.

1,632,292. PROPELLER. ONEY A. HONKANEN, Portland, Oreg. Filed June 3, 1926. Serial No. 113,456. 2 Claims. (Cl. 170—156.)



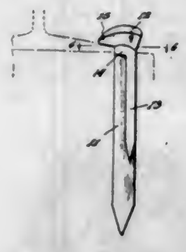
1. A propeller of the character described comprising a rectangular plate having the parts thereof lying at opposite sides of its longitudinal axis formed in half-turn spirals directly opposite each other, said plate being provided for axial mounting on a propeller shaft and having its body portion cut away to provide openings of equal area at opposite sides of the axis.

1,632,293. STUFFING BOX. JOHN G. JOHNSON, Tacoma, Wash. Filed June 13, 1925. Serial No. 36,994. 3 Claims. (Cl. 286—31.)



1. In a compressor or the like of the character described, having its driving shaft extended through a wall of the compressor, with a stuffing box encircling the shaft and a packing material within the box as a means of preventing leakage of pressure from the compressor, a gland slidable on the shaft within the box, a drum connected with the compressor casing and adapted to expand and contract in accordance with variations of pressure therein, a pivotally mounted lever bearing at one end against the drum and at its other end against the gland whereby the pressure of the gland against the packing material is caused to vary in accordance with the variation of pressure in the compressor.

1,632,294. RAILROAD SPIKE. CHARLES W. JONES, Richmond, and ROBERT R. GORDON, Glenallen, Va. Filed Aug. 31, 1926. Serial No. 132,870. 1 Claim. (Cl. 85—19.)



A spike comprising a shank, a head for said shank having a rail-engaging bill projecting forwardly from the shank and side portions projecting from opposite sides of the shank, and wings extending longitudinally of said shank at opposite sides thereof and projecting transversely therefrom with their rear faces flush with the rear face of the shank, said wings having their upper ends formed with heads spaced below the projecting side portions of the head of said shank with their forward ends terminating flush with the front rail-engaging face of the shank.

1,632,295. CONTINUOUS MILL AND METHOD OF ROLLING STRUCTURAL SHAPES. WM. LARIMER JONES, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 30, 1925. Serial No. 5,842. 12 Claims. (Cl. 80—66.)

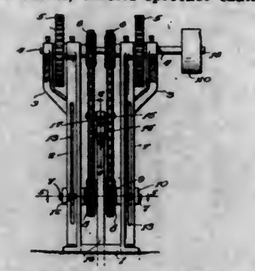


1. A continuous rolling mill for producing structural shapes and other products comprising a series of stands of horizontal rolls forming successive passes for reducing the billet or blank to approximately the shape of the finished product in combination with a stand of vertical and horizontal reducing rolls for finishing the product, the rolls of each pass being adjustable independently of the others.

1,632,296. PUMP JACK. EDMOND E. KINSEY, San Angelo, Tex. Filed Mar. 17, 1926. Serial No. 95,373. 2 Claims. (Cl. 74—14.)

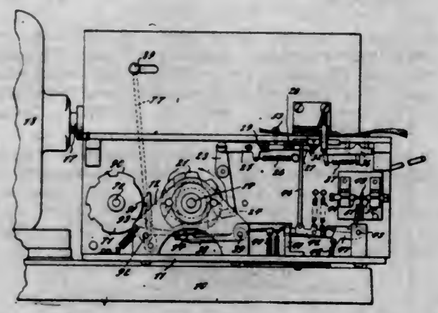
1. A pump jack comprising a head, including spaced uprights formed with longitudinal slots, a yoke having outwardly disposed bearings received in the slots of the uprights, shafts mounted in the bearings of the yoke and spaced apart at their inner ends, other shafts mounted

in the upper ends of the said uprights and spaced apart at their inner ends, sprocket wheels upon the inner ends of the respective shafts, endless sprocket chains connect-



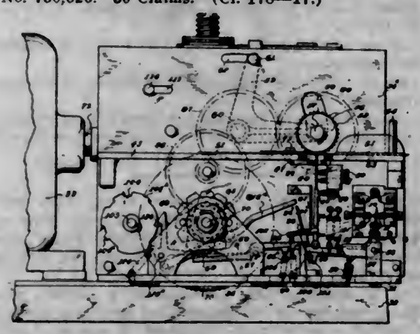
ing the sprocket wheels of corresponding shafts, a pin connected at its ends with the sprocket chains, and a pump rod connected to the said pin.

1,632,297. PRINTING TELEGRAPHY. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Oct. 3, 1921. Serial No. 504,862. 103 Claims. (Cl. 178—17.)



1. Apparatus for transmitting code combinations of electrical impulses comprising a single transmitting contact, actuating means for said transmitting contact, and means embodying a perforated control tape for controlling said actuating means in accordance with the code combinations to be transmitted.

1,632,298. SIGNALING TRANSMITTER. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Original application filed Dec. 22, 1920. Serial No. 432,564. Divided and this application filed Nov. 18, 1924. Serial No. 750,626. 30 Claims. (Cl. 178—17.)

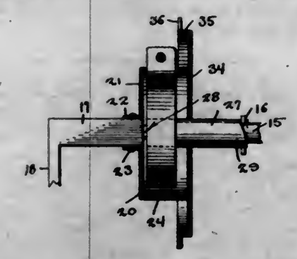


1. A transmitter comprising contact carrying means; means for actuating said contact carrying means to transmit code combinations of electrical selecting conditions; and means for actuating said contact carrying means to precede each code combination with an electrical condition differing in character from the last electrical condition of the preceding code combination.

1,632,299. PROCESS FOR THE PREPARATION OF MAGNESIUM CHROMATES. GEORG KRÄNZLEIN and ARTHUR VOSS, Hochst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed June 3, 1926. Serial No. 113,552, and in Germany June 22, 1925. 8 Claims. (Cl. 23—56.)

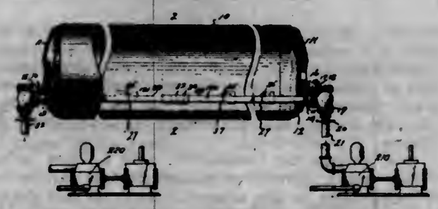
1. A process of preparing magnesium chromates which comprises reacting a chromate of an alkali-forming metal with a magnesium salt of an acid which forms with the alkali-forming metal a salt which is more difficultly soluble in water than the magnesium chromate.

1,632,300. CRANKING DEVICE FOR AUTOMOBILES. TALMAGE H. LE FEVER, New Bloomfield, Mo. Filed Sept. 20, 1926. Serial No. 136,676. 5 Claims. (Cl. 123—185.)



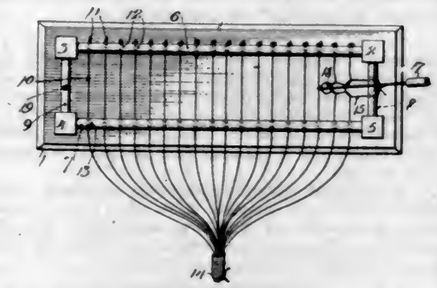
4. A cranking device comprising an angular hand crank, a cylindrical casing secured upon the hand crank having an opening formed in its periphery, a ratchet plate secured to the inner end of the housing and having ratchet teeth formed on its outer periphery, an auxiliary crank rotatably associated with the hand crank, a disc fixed upon the outer end of the auxiliary crank and disposed within the housing, a flexible brake band positioned above the periphery of the disc having angular clip members secured thereto arranged to permit adjustment of the band and projecting through the opening in the housing, the said clip members being secured to the housing and movable therewith, and a pivoted pawl supported upon a rigid bracket arm normally engageable with the ratchet teeth to permit operative movement of the crank and prevent reverse rotary movement thereof.

1,632,301. STEAM-BOILER FEED. NATHAN E. LEWIS, Plainfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed May 5, 1923. Serial No. 636,839. 7 Claims. (Cl. 122—451.)



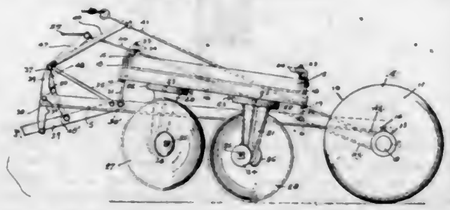
1. In combination, a drum for a steam boiler, a feed pipe extending through said drum and projecting through the ends thereof, means for forcing feed water to each end of said pipe, and means for discharging the water from said pipe at a plurality of points longitudinally thereof into the drum.

1,632,302. DEMONSTRATING DEVICE. HENRY E. LICHTENSTEIN, New York, N. Y. Filed July 22, 1926. Serial No. 124,145. 4 Claims. (Cl. 35—16.)



3. A demonstrating device comprising a plurality of spaced supports, a plurality of threads spanning the space between said supports, and adapted to be interlocked with each other to form stitches or loops, and a starting loop adapted to be interlocked with one of said first mentioned threads or cords.

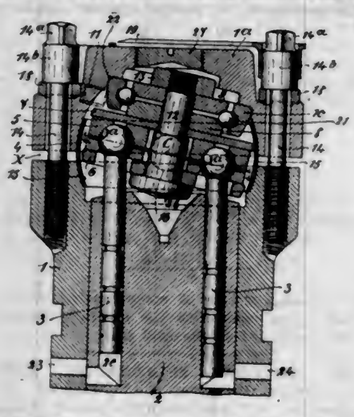
1,632,303. DITCHING MACHINE. JESSE G. LINDEMAN, Yakima, Wash. Filed Apr. 10, 1926. Serial No. 101,168. 4 Claims. (Cl. 97—55.)



1. A ditch digging machine comprising a main frame having bearings, an axle rotatably mounted in said bearings, ground wheels adjustable axially of the axle, a supplemental frame disposed transversely of the main frame and adjustable vertically thereon, supports adjustably connected to the supplemental frame and movable into alinement with the ground wheels, hangers depending from said supports and adjustably connected thereto and ground cutting disks rotatably mounted upon the hangers and adjustable therewith, said disks being concavo-convex in cross section and disposed in pairs at the opposite end portions of the supplemental frame, the disks of each pair being further arranged with their respective concave faces presented outwardly and inwardly with respect to the main frame for the purpose described.

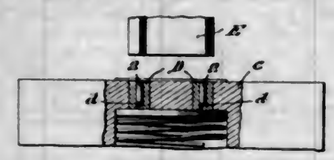
1,632,304. PUMP FOR VISCOUS LIQUIDS. JOHANN ALFRED MAURER, Breslau, Germany, assignor to Maurer-Textil-Maschinen G. m. b. H., Konstantin-Schnierstrasse, Breslau-Carlowitz, Prussia, Germany, a Joint Stock Company of Germany. Filed Mar. 9, 1925, Serial No. 14,298, and in Germany Aug. 21, 1923. 7 Claims. (Cl. 103—162.)

1. In a pump, the combination, with a rotary drum provided with a plurality of pockets disposed parallel to and eccentrically of the axis of rotation of said drum, plungers or pistons provided within said pockets and adapted to be reciprocated therein, an annular swash member formed internally with bevelled race ways, a disk shaped member within said swash member formed externally with bevelled race ways, anti-friction balls confined between said pairs of raceways, a guide member connected with said disk shaped member and formed with a guide pocket disposed transversely of the axis of said



drum, and slide members within said pocket and in universal engagement with the projecting ends of said pistons or plungers.

1,632,305. PROCESS FOR THE PRODUCTION OF STAMPED FIGURES. JEREMIAH MCGREVY, Richmond Hill, N. Y., assignor to Solidarity Watch Case Company, New York, N. Y., a Corporation of New York. Filed June 24, 1925. Serial No. 39,301. 3 Claims. (Cl. 29—160.6.)



1. The process of forming figures to be applied to surfaces, which consists in swaging a metal blank of approximate size for the desired figure with properly located lugs on one surface thereof and then locating such blank in a blanking press by such lugs and punching out the figure with the lugs thereon.

1,632,306. PREPARATION OF SOLUTIONS OF COMPOUNDS INSOLUBLE OR SPARINGLY SOLUBLE IN WATER. WALTER MINNICH, Montreux, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Nov. 10, 1924, Serial No. 749,046, and in Switzerland Nov. 19, 1923. 5 Claims. (Cl. 167—7.)

1. As an article of manufacture, solutions of camphor in phenylacetylene.

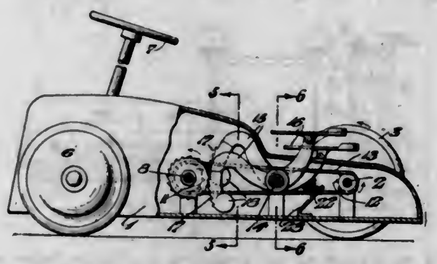
2. As an article of manufacture solutions of camphor and lipoids in phenylacetylene.

5. As an article of manufacture, solutions of camphor and unsaturated acid esters of cholesterol in phenylacetylene.

1,632,307. PEROXIDE OF LEAD, ZINC, AND SULPHURIC-ACID ACCUMULATORS. ARTURO MIOLATI, Padova, Italy, assignor to Rene Leprestre, Rome, Italy. Filed Apr. 22, 1924, Serial No. 708,314, and in Italy May 3, 1923. 4 Claims. (Cl. 136—30.)

1. In a sulphuric acid accumulator, a positive plate composed entirely of absolutely pure lead and peroxide of lead, a negative plate composed of non-zinciferous material, and an electrolyte free from any trace of impurities more electrolytically negative than zinc.

1,632,308. TOY VEHICLE. SARAH MERTIE MOURER, Philadelphia, Pa. Filed July 6, 1926. Serial No. 120,666. 2 Claims. (Cl. 208—36.)

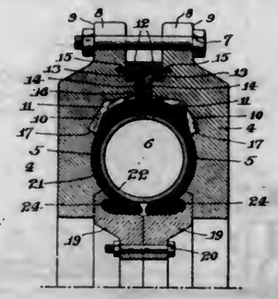


1. In a device of the character stated, a body provided with a rear axle having a sprocket wheel and including a pair of traction wheels, a pair of forward wheels including a steering wheel for said body, a cross-shaft having a pair of multilated toothed wheels and a sprocket wheel, a sprocket chain connecting said sprocket wheels, a rock shaft and a pair of spring pressed bell-crank levers upon said rock shaft one end of each lever having a foot pedal and the opposite end of each lever being toothed for engagement with a toothed wheel, whereby the operator may stand upon said pedals and maintain his balance by grasping said steering wheel.

1,632,309. PRESERVATION OF ETHER. FERDINAND W. NITARDY, Brooklyn, N. Y., assignor to E. R. Squibb and Sons, New York, N. Y., a Corporation of New York. Filed Apr. 20, 1926. Serial No. 103,259. 10 Claims. (Cl. 23—250.)

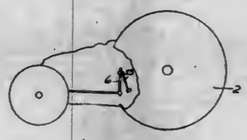
6. The improved package containing ether and comprising a metal container including copper.

1,632,310. TIRE MOLD. JOHN CLIFFORD PAYNTER, Philadelphia, Pa., assignor to Paynter Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed June 14, 1924. Serial No. 720,008. 2 Claims. (Cl. 18—42.)



1. A tire mold comprising separable members forming a chamber to receive the carcass of a tire, means to secure said members together, one of said members having an annular groove formed therein, a set of interchangeable molding sections seated in said groove, and a part having a molding surface detachably secured to said grooved member and holding said sections in place therein.

1,632,311. ATTACHMENT FOR TRACTORS. LOWELL S. PHELPS, Laramie, Wyo. Filed Aug. 2, 1926. Serial No. 126,661. 2 Claims. (Cl. 280—150.)

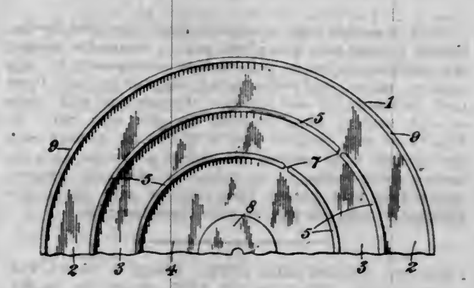


1. In a device of the type described, a foot pedal, means for fastening said pedal to a steering mechanism, and means cooperating with said fastening means for securing said pedal in any desired position.

1,632,312. PROCESS OF CONVERTING CHEMICAL FERTILIZERS TO YEAST AND OTHER ORGANIC SUBSTANCES. FREDERICK C. RAETH, Milwaukee, Wis. Filed Jan. 25, 1924. Serial No. 688,606. 1 Claim. (Cl. 195—20.)

The process of converting inorganically combined nitrogen to organically combined nitrogen for use as fertilizers and foods, consisting in inoculating with yeast an equeous solution of the following composition: to 2 grams yeast fermentable sugar and ½ gram ammonium sulphate, ½ gram ammonium phosphate, ½ gram monopotassium dihydrogen phosphate, 1/20 gram magnesium sulphate, 1/20 gram sodium chloride, approximately $\frac{1}{10}$ gram calcium carbonate, 1/100 gram ferrous sulphate, 1/200 gram manganese sulphate, water approximately 100 grams, and aerating for a period of from 10 to 20 hours.

1,632,313. GRAMOPHONE RECORD. HAROLD ALFRED ROGERS, Cardiff, Wales. Filed Dec. 18, 1923, Serial No. 681,436, and in Great Britain Dec. 19, 1922. 4 Claims. (Cl. 274—42.)

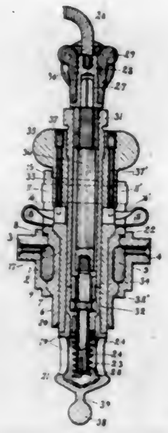


1. A gramophone or like record of the disc type, produced by recording sounds in a rotating blank, said blank rotating at a speed which varies in such manner that the needle velocity changes from the beginning to the end of the record in a ratio which lies between unity and the ratio of the initial to the final radial distances of the needle on the record.

1,632,314. IGNITION PLUG FOR INTERNAL-COMBUSTION MOTORS. CARL AUGUST RUDQVIST, Staket, Sweden. Filed June 26, 1923, Serial No. 647,931, and in Sweden June 7, 1923. 3 Claims. (Cl. 123—145.)

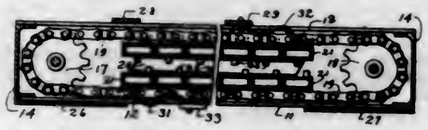
1. An ignition plug, comprising, in combination, a sleeve adapted to be secured in the cylinder wall of an

internal combustion engine, a bushing axially movable in said sleeve and carrying an igniter element adapted to be retracted into and protracted from said sleeve, and a



pair of resilient members carried by the bushing and adapted to engage said sleeve thereby to yieldably lock said bushing in its retracted position.

1,632,315. MOVING SIGN. MORRIS SACHS and SOLOMON FLIEDERBAUM, New York, N. Y. Filed Sept. 28, 1926. Serial No. 138,228. 7 Claims. (Cl. 40—78.)



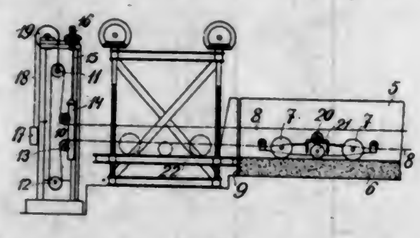
1. In a moving sign an endless flexible member having therein a front part and a rear part, a means for moving the same, two series of sign pockets encompassed by said member one of said series being engaged by said front part, interiorly of said member, the other of said series of sign pockets being engaged by said rear part, interiorly of said member, and a means for moving each sign pocket, as it reaches the end of its series, in a direction transversely to the plane of said sign, thereby disengaging said pocket from one of said parts and bringing it into engagement with the other part.

1,632,316. RENEWABLE FUSE. PHILIP A. SAVOY, Fullerton, Calif. Filed Jan. 28, 1926. Serial No. 84,375. 5 Claims. (Cl. 200—131.)



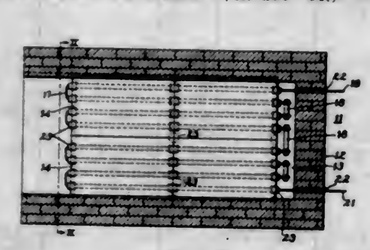
1. A renewable fuse comprising two solid end members having integral collar-shaped sockets in their opposed faces, an insulating member having its ends extending into said collar-shaped sockets and serving to rigidly connect said end members together, a fusible element connecting the end members, and a sleeve removably positioned over the ends of the end members, fusible element and insulating member.

1,632,317. MEANS FOR THE PRODUCTION OF BUILDING BLOCKS. HEINRICH SCHLEGEL, Duisburg-Ruhrort, Germany. Filed July 7, 1926, Serial No. 120,920, and in Germany Oct. 8, 1924. 5 Claims. (Cl. 25—2.)



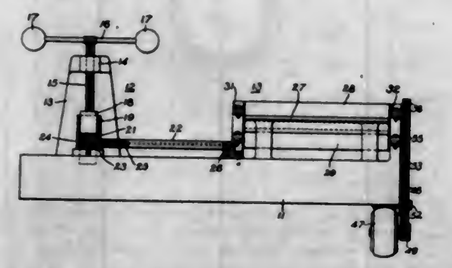
1. In a plant for the production of slabs or blocks in successive layers, the provision of a mould into which the material is introduced in successive layers, rollers for compressing the material after the introduction of each layer, means for actuating the rollers comprising a motor, a cable passed over guide rolls and connected with the said rollers, and counter-weights for tensioning the said cable, and means for adjusting the height of the rollers to conform with the height of the material in the mould.

1,632,318. ELECTRIC HEATING UNIT. FRANK C. SIMMS, East Palestine, Ohio. Filed May 29, 1925. Serial No. 33,585. 13 Claims. (Cl. 204—64.)



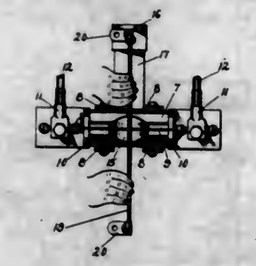
1. A combined muffle and resistor-support, comprising a plate of refractory, heat-and-electric-conducting material, and a tubular member, of electric-insulating material, in said plate for removably receiving a resistor member.

1,632,319. METHOD OF MAKING CERAMIC MEMBERS. FRANK C. SIMMS, East Palestine, Ohio. Filed Nov. 18, 1925. Serial No. 69,766. 11 Claims. (Cl. 25—156.)



1. In a method of making ceramic members, the steps comprising extruding a member of initially semi-moist dust, placing said member under restraint laterally thereof, and quickly drying said member while under restraint.

1,632,320. INSULATION-SEVERING DEVICE. ERNEST H. SIPPEL and NORMAN J. WRIGHT, Toledo, Ohio, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed June 4, 1920. Serial No. 386,498. 2 Claims. (Cl. 81—9.5.)



1. In a device of the class described, a support, an insulating unit carried by said support and having an axial groove therein, and an electrical heating element partially embedded in the bottom of the groove in said unit and having a thin flat upper edge; said unit being cut away adjacent the center thereof to expose said heating element.

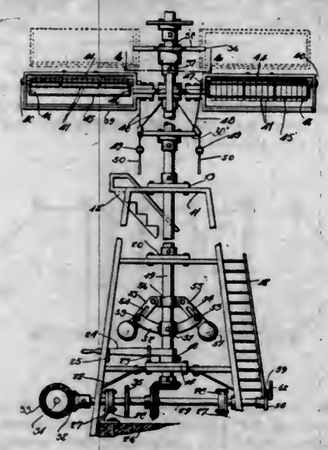
1,632,321. BLOOD-TREATING PROCESS. ALFRED STERNBERG, Berlin-Grunewald, Germany, assignor to Societa Industria Globelte, Milan, Italy. Filed Dec. 4, 1924, Serial No. 753,981, and in Germany Sept. 29, 1923. 5 Claims. (Cl. 99—5.)



1. Process for the preparation of coagulated blood which comprises coagulating said blood, partially drying the coagulum and comminuting the partially dried coagulum.

1,632,322. WINDMILL. LUKE S. STRIPLING, Burkburnett, Tex., assignor of one-half to Robert L. Gragg, Burkburnett, Tex. Filed June 3, 1926. Serial No. 113,486. 14 Claims. (Cl. 170—20.)

1. In a windmill, a wing including a frame, a shutter rod extending longitudinally of the frame adjacent the upper part thereof, a series of shutter leaves mounted on said rod to swing relative thereto, means to limit the swinging movement of said leaves, a trip bar engaging the rear faces of the leaves, means to support the trip bar for swinging movement about an axis adjacent the



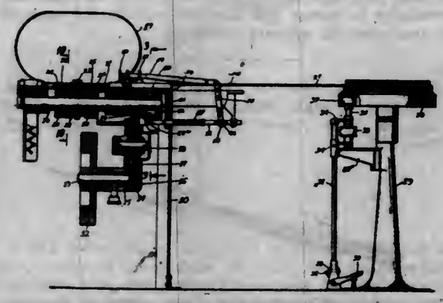
top of the frame, a rock arm operatively connected to the trip bar for swinging the same, and a pull cable connected to the rock arm.

1,632,323. PLASTER BLOCK AND PARTITION CONSTRUCTION FORMED THEREOF. FREDERICK M. VENZIE, Philadelphia, Pa. Filed May 2, 1923. Serial No. 636,059. 3 Claims. (Cl. 72—118.)



1. A clip of the character stated comprised of a backing plate having extended therefrom pairs of oppositely disposed arms to form U-shaped block receiving sockets and channel iron engaging arms arranged between said first mentioned arms some of said arms having serrated, block engaging edges.

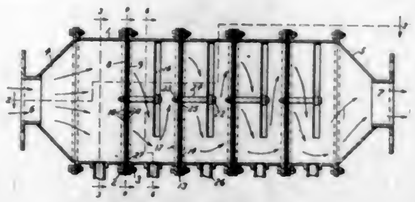
1,632,324. BUNDLE-TYING MACHINE. GEORGE D. WALKER, Morgan City, La., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed May 18, 1921. Serial No. 470,521. 6 Claims. (Cl. 100—31.)



1. In apparatus for wire-tying an object, a reel, means for controlling the rotation of same, means for retaining wire unwound from the reel in loop formation about the

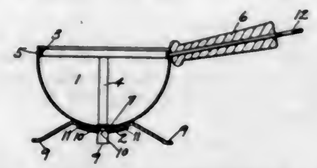
object, wire-tying and cutting mechanism, a clutch controlling the movement of said tying and cutting mechanism and means for tripping the clutch adapted to be actuated by the tensioning of the wire about the object by the rotation of the reel.

1,632,325. GAS SCRUBBER. EVALD ANDERSON, Alhambra, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed May 26, 1924. Serial No. 715,877. 7 Claims. (Cl. 183—112.)



1. A gas scrubber comprising a plurality of separable units connected for passage of gas therethrough successively, each of said units comprising, first, housing means adapted to confine such gas; second, agglomerating means provided with a velocity-producing plate having openings of relatively small total area and an impact plate presenting surfaces opposite said openings in the velocity-producing plate and itself provided with openings adjacent said surfaces and of relatively large total area; third, eliminating means following said agglomerating means and adapted to cause a change in direction of flow of gas while presenting a relatively large total open area for passage of gas therethrough; and fourth, drain means for removal of liquid from the bottom of said unit.

1,632,326. COOKING UTENSIL. SAMUEL J. BELL, West Springfield, Mass. Filed Oct. 21, 1925. Serial No. 63,873. 3 Claims. (Cl. 53—1.)



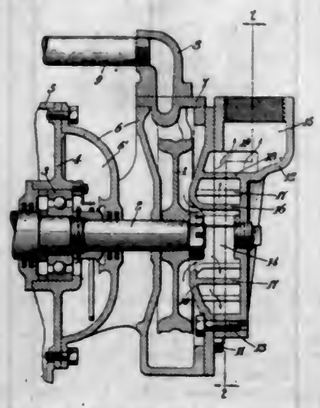
1. The combination, in a cooking utensil of the class described, with a cup having a bottom perforation therein, of a support beneath said cup, a separator blade within said cup, and lugs passing from said blade through said perforation to engage said support, whereby the blade is actuated when the support is rotated.

1,632,327. MANNER OF MAKING SICKLE HOOKS. MATTHEW RUSSELL BEROZA, Philadelphia, Pa. Filed Jan. 13, 1926. Serial No. 80,969. 1 Claim. (Cl. 29—148.)



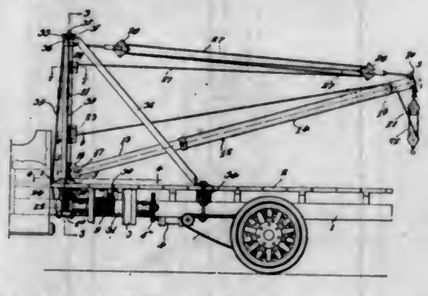
The manner of constructing a new article of manufacture which consists in taking stock metal of T-bar configuration and shearing the forward end in three directions to form a pointed penetrating end and also shearing the single rib of said bar rearwardly throughout the balance of its extent, and thereafter subjecting the sheared bar to a bending operation to provide a rounded supporting portion.

1,632,328. EXHAUST MUFFLER. WILLIAM F. BOUCHÉ, Lancaster, and ELI J. BLAKE, Buffalo, N. Y., assignors, by mesne assignments, to Gould Car Lighting Corporation, Rochester, N. Y., a Corporation of Maryland. Filed Feb. 16, 1922. Serial No. 536,900. 7 Claims. (Cl. 60—64.)



3. Apparatus of the class described comprising a turbine and its casing having an exhaust outlet substantially at the turbine axis and a muffler rigidly secured with respect to the turbine casing and having its inlet connected with said exhaust outlet and also substantially at the turbine axis.

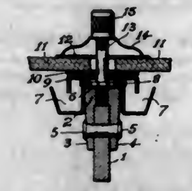
1,632,329. DERRICK CRANE. FRANK W. HAKE, Philadelphia, Pa. Filed Jan. 12, 1925. Serial No. 1,866. 6 Claims. (Cl. 212—59.)



1. A derrick adapted to operate on the platform of a truck in which a hoist is mounted beneath the platform, said derrick having a pipe mast with its lower end rotatably and removably mounted on the platform; a boom associated with the mast; a stiff leg secured to the platform; a second stiff leg secured to the platform and to a support secured to the chassis of the truck and spaced from the first mentioned leg; means rotatably connecting the upper end of the pipe to the legs; and means adapted to be controlled by the hoist beneath the platform for raising said boom and for causing said boom to lift a load.

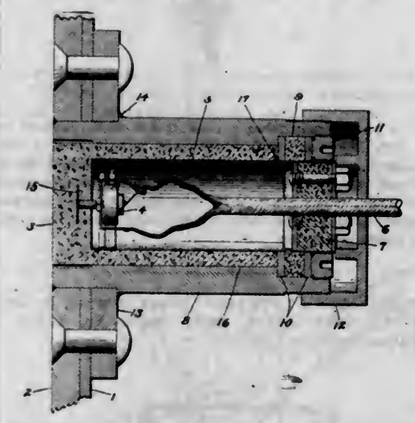
1,632,330. GLASS STRUCTURE. HAROLD B. HAWES, Fairfield, Conn. Filed Aug. 20, 1926. Serial No. 130,407. 4 Claims. (Cl. 108—16.)

1. In a glass structure unit as described, a plain rafter bar, a series of lugs secured to said bar at spaced locations, upwardly extending bolts secured to said lugs, a cap through which the free ends of said bolts extend, glass sections and associated parts supported by said lugs



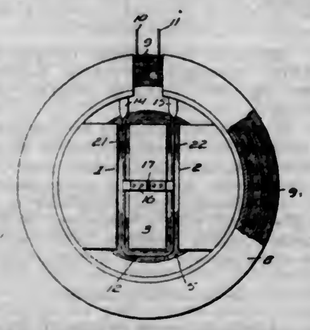
intermediate the latter and said cap, and nuts driven on the ends of said bolts against the cap whereby all parts are secured in their assembly.

1,632,331. SUBMARINE SOUND RECEIVER. HARVEY C. HAYES, Washington, D. C. Filed Jan. 2, 1924. Serial No. 684,092. 5 Claims. (Cl. 181—0.5.)



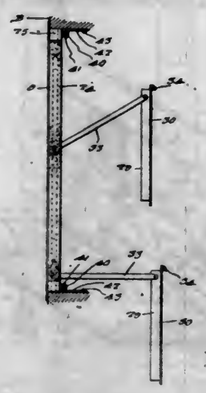
1. In a sound signal receiver, a body provided with an opening, a member of relatively high inertia extending from said opening, a resilient lining within said member, and vibratory responsive means supported by said lining.

1,632,332. ELECTROMAGNETIC SOUND REPRODUCER. HARVEY C. HAYES, Washington, D. C. Filed Sept. 28, 1925. Serial No. 59,110. 12 Claims. (Cl. 179—114.)



1. An electromagnetic sound reproducer comprising in combination, a permanent field magnet system, magnetic gaps interposed in said field magnet system across which a permanent magnetic flux is established, a conductive broken ring like member having a portion of the conductive section thereof disposed between said magnetic gaps, and means for inducing variable currents in said ring member, whereby vibrations are imparted to that portion of said ring member which is situated between said magnetic gaps.

1,632,333. WINDOW STRUCTURE. EDWARD C. HEALY, Muscatine, Iowa. Filed June 5, 1925. Serial No. 35,136. 4 Claims. (Cl. 20—56.1.)



1. A window sash including side and top members, each member made up of a body U-shaped in cross section, a rail U-shaped in cross section and arranged reversely to and slidable laterally in the body with its intermediate portion opposed to and spaced from the intermediate portion of the body, said rail having a channel in its intermediate portion, a screw having a head countersunk in the outer side of the intermediate portion of the body, means disposed in the body for holding said screw against endwise movement relative to said body, a second screw, and a nut on said second screw and disposed in the channel of the rail, the last-named screw alined with the first-named screw and having within the rail a tubular interiorly threaded portion abutting against the inner side of the intermediate portion of the rail and receiving and engaging the first-named screw.

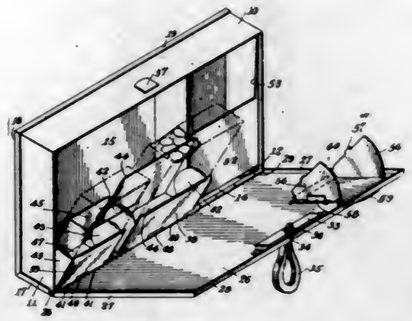
1,632,334. BAG-FRAME HINGE. WILLIAM C. HIBBING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Oct. 7, 1924. Serial No. 742,161. 1 Claim. (Cl. 150—29.)



A bag frame hinge comprising in combination with a pair of channel frame sides, of hinge elements extending integrally from the adjacent members of said channel ends, said elements being substantially half the depth of the frame channels, said elements being coiled to produce cylindrical bights and arranged respectively at the right and left hand ends thereof, L shaped transverse

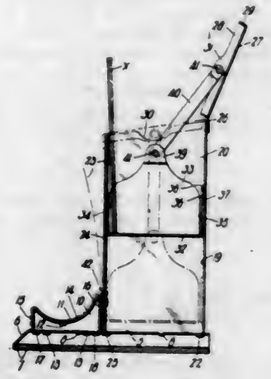
bars at the end of each extension, said bars being tightly engaged with the frame side over the bight, a clip integral with the frame sides adjacent the extensions to retain the bar on the frame side, and a pin passing through each pair of bights, the axes of said pins being in register.

1,632,335. ARTICULATED CASE FOR SMOKERS' REQUISITES. WILLIAM C. HIERING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Apr. 27, 1925. Serial No. 26,175. 3 Claims. (Cl. 206—1.)



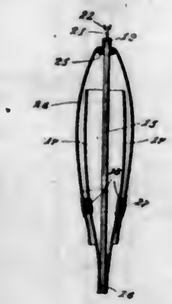
2. A cabinet comprising a hollow rectangular body having a hinged, normally closed front cover, said cover containing an opening, a plate hinged on said cover to close the opening, side elements on said plate extending into the body, means to limit the outward swing of said plate, a container removably held in said body, said container having an opening in the upper portion of its front wall, means in said body to press said container against the upper wall of said body and guide means at the bottom of said plate to conduct material into said container.

1,632,336. CARD CONTAINER AND DESK TRAY. WILLIAM C. HIERING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Oct. 3, 1925. Serial No. 60,197. 8 Claims. (Cl. 129—43.)



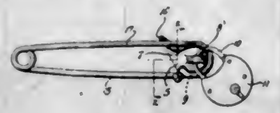
1. A desk appliance comprising a hollow elongated rectangular base, a tray rigidly fixed on the level front portion of said base, a casing narrowly spaced rearward of said tray and fixed to said base, said casing having an inclined top, and a flanged cover hinged to the rear wall of said casing to fold over the top thereof forming a dust proof closure.

1,632,337. PURSE AND LIKE RECEPTACLE. WILLIAM C. HIERING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed May 29, 1926. Serial No. 112,465. 3 Claims. (Cl. 150—28.)



1. A purse comprising a central flat wall, pockets having their lower and side edges fixed to said wall, a channel fixed on said wall, curled grooves formed by the edges of said channel, covers over said pockets having their upper edges pinched in said grooves, snap fasteners between said pockets and covers, and means by which said purse is carried.

1,632,338. PIN FASTENER. EDWIN HORTON, Brooklyn, N. Y. Filed May 1, 1925. Serial No. 27,171. 6 Claims. (Cl. 24—157.)



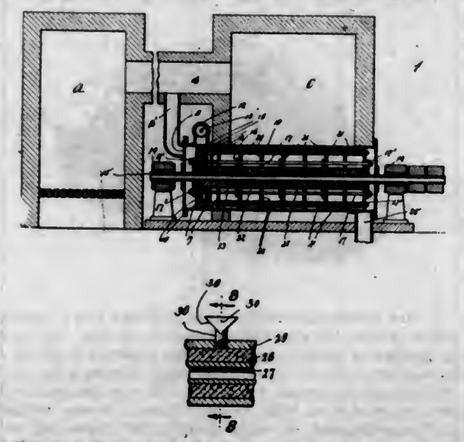
1. In a safety pin, the combination with a body portion, a penetrating member connected to one end thereof, and a loop member to receive the penetrating member and hold the pin closed, of a removable abutment member to prevent movement of the pin relative to its receiving loop and a lock to hold said abutment member in pin closing position.

1,632,339. METHOD AND MEANS OF EXTINGUISHING FIRES. KENNETH H. KIEFER, Baltimore, Md. Filed Mar. 14, 1923. Serial No. 625,172. 18 Claims. (Cl. 23—13.)

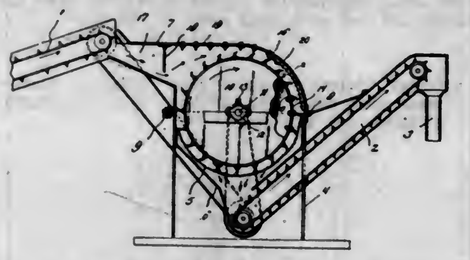
11. In a process of extinguishing fires within bodies of granular combustible material disposed in barges, holds, bins, bunkers, pits, and other confined places, introducing into the burning material a non-combustible, non-flammable, non-aqueous liquid comprising a substance which readily forms with a constituent of the atmosphere a product readily detectable by its visibility until a cloud or smoke appears on the surface of the granular material.

1,632,340. APPARATUS FOR SPEEDING REACTIONS. HERMAN B. KIPPER, Muskegon, Mich. Filed Aug. 1, 1921. Serial No. 489,030. 3 Claims. (Cl. 23—286.)

1. In an apparatus of the character described, a rotary internally cooled shaft, internally cooled hammers carried by said shaft and means for insulating said shaft and hammers to reduce their chilling effect on the reaction material and to simultaneously reinforce the said shaft and hammers, said insulation means including packings and external pipes enclosing said packings.



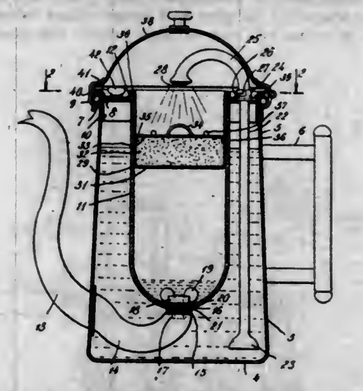
1,632,341. FEED GRINDER. JOHN KOCH, Eustis, Nebr. Filed Aug. 27, 1926. Serial No. 131,920. 3 Claims. (Cl. 83—11.)



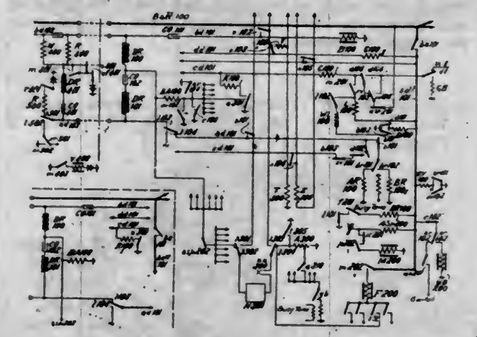
1. In a feed grinder and in combination, a casing, a concave having openings, supported in the casing, a throat or hopper leading to the casing and having its discharge portion disposed above one end of said concave, a cylinder mounted to be rotated in the casing and having spaced hammers on its perimeter, spaced cross bars carried by the top of the casing in front of the throat and extending downwardly from said casing top, and teeth carried by the casing top and arranged curvilinearly in front of the said spaced cross bars with reference to the direction of rotation of the cylinder; the peripheral portion of the cylinder being imperforate, and the space between the cylinder and the curvilinearly arranged teeth being of less width than the space between the cylinder and the transverse bars.

1,632,342. COFFEEPOT. VICTOR LAMBERT, Brooklyn, N. Y., assignor to Aaron M. Sloss, New York, N. Y. Filed Apr. 5, 1924. Serial No. 704,306. 10 Claims. (Cl. 53—3.)

1. In a coffee pot the combination of a vessel having an opening, an annular member having a flange overlying the edges of the opening, a cylindrical member having an open end and a closed end, supported by the annular member with its closed end lying within the vessel, the two members with the vessel providing a coffee compartment within the cylindrical member and a water compartment surrounding it, means mounted in the cylindrical member for supporting granular coffee, a pipe mounted in the annular member and extending from a point near the bottom of the vessel to a point above the supported coffee, and a spout mounted in the vessel and connected with the coffee compartment.



1,632,343. AUTOMATIC TELEPHONE SYSTEM. FRITZ LUBBERGER, Berlin-Schmargendorf, and EDGAR HAHN, Charlottenburg, Germany, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Filed July 2, 1925, Serial No. 40,980, and in Germany July 18, 1924. 5 Claims. (Cl. 179—18.)

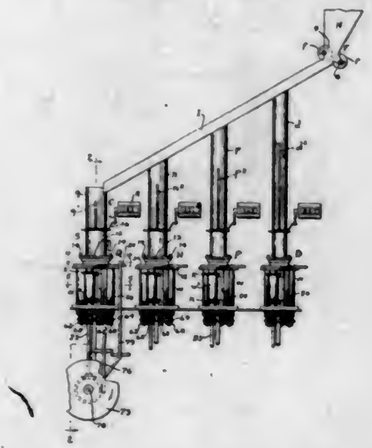


1. In an automatic telephone system, a main and a sub-exhange, a group of trunks between said exchanges, a source of current at said main exchange, a single battery conductor between said exchanges, automatic switching equipment in said exchanges, subscribers' lines terminating in said exchanges, means controlled by a calling subscriber for extending a talking connection between the main and sub-exchange over one of the trunks of said group, the current for positioning and controlling said sub-exchange automatic switching equipment being received from said main exchange source over said battery conductor and selected trunk respectively.

1,632,344. WRAPPING MACHINE. FRANK E. MODLIN, Glendale, Calif., assignor of one-eighth to Frank E. Modlin, jr., Glendale, Calif.; one-eighth to Clarence A. Modlin, Kansas City, Mo.; and three-eighths to David L. Walker, Oklahoma City, Okla. Filed Mar. 9, 1926. Serial No. 93,366. 9 Claims. (Cl. 93—5.)

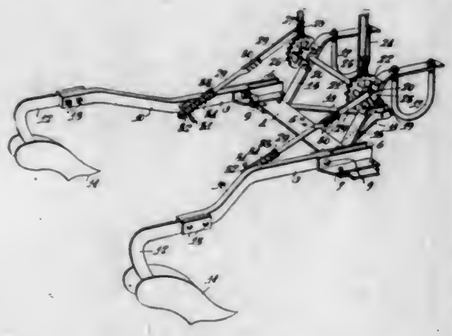
1. In a machine of the character described, a wrapping mechanism comprising a plurality of wrapping rollers, a pair of crimpers at the lower and upper ends respec-

tively of one of said rollers, a plunger between the lower ends of said rollers, means whereby a stack of coins may be introduced between said rollers onto said plunger, means whereby a wrapper may be introduced between the stack of coins and one of said rollers, and means for



rotating said rollers and crimpers to roll the wrapper around the stack and to crimp the ends of the wrapper over the end coins of the stack, and means for elevating said plunger to eject the wrapped stack of coins from the wrapping mechanism.

1,632,345. PLOW. GERHART F. MUEHLHAUSE, Bartlett, Tex. Filed Mar. 15, 1926. Serial No. 94,919. 3 Claims. (Cl. 97—47.)



1. A device of the class described comprising a flat draw bar adapted to be secured at its center to the draft lug of a tractor, a pair of upper bracket arms secured to and projecting forwardly upwardly from the draw bar and having provision at their ends for securing them to the rear axle housing of a tractor adjacent the ends thereof, a pair of lower bracket arms secured to and projecting downwardly forwardly and inwardly and terminating in opposed apertured ears adapted to be secured to the side faces of the rear axle central gearing housing beneath the axle and by the bolts commonly employed to secure to said housing parts together, and cultivator elements mounted on the draw bar.

1,632,346. SWEATER. JOHN P. NISSEN, Philadelphia, Pa. Filed May 3, 1924. Serial No. 710,895. 4 Claims. (Cl. 2—90.)



1. The combination with a knitted jacket and a knitted collar carried thereby and adapted to lie over the back of the jacket or be raised about the wearer's neck, of a hood piece carried by the underside of the collar and overlaid by the same when the collar is in its lower position, said hood piece having its outer margin secured to the collar and its inner margin free therefrom and terminating at points in rear of the body of the jacket, and said inner margin being formed of elastic material that will effect a close fit about the face of the wearer when the collar is raised and the hood piece is placed over the head of the wearer, and means on the outer margin of the collar at the juncture of the ends of the hood piece with said collar and at points removed from the juncture of the collar with the body of the jacket for detachably fastening together beneath th chin, the collar and ends of the hood piece.

1,632,347. BOTTLE PROTECTOR. JAMES A. PIPKIN, Waco, Tex. Filed Apr. 18, 1925. Serial No. 24,073. 4 Claims. (Cl. 215—100.)



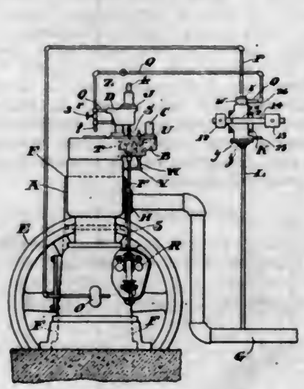
1. A protector for use on drinking vessels comprising a cup having a body portion designed to fit snugly against and surround at least the lower portion of the periphery of the body of the vessel, said body portion having an open top and a bottom closing the lower end of the body portion and designed to fit snugly against the bottom of the vessel, said body portion and the bottom of said cup being constructed of moisture absorbent material, the upper end of the body portion being shaped to present an edge area greater than the cross sectional area of the body portion to increase the moisture absorbent capacity of the upper end, said upper end being fitted snugly against and flatly engaging the periphery of the body of the vessel throughout the entire linear extent of the edge area of the upper end.

1,632,348. COVER FOR FLATIRON STANDS. ETHEL M. PRIOR, Hartford, Conn. Filed Aug. 13, 1921. Serial No. 491,940. 2 Claims. (Cl. 68—27.)



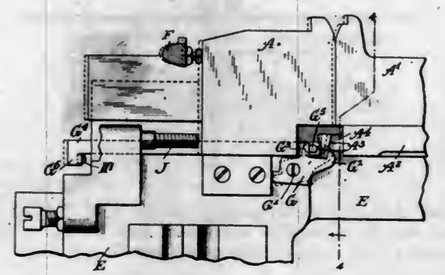
1. A cover of flexible material formed to receive and inclose a flatiron stand, said cover comprising a top part located over and a bottom part located underneath said stand and connected together, one of said parts being formed of a material to prevent the transmission of heat from a flatiron resting upon said cover and stand to the surface upon which the cover rests.

1,632,349. GOVERNOR REGULATOR. EDWARD RATHBUN, Toledo, Ohio, assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey, and The Rathbun-Jones Engineering Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 26, 1926. Serial No. 131,660. 5 Claims. (Cl. 230—3.)



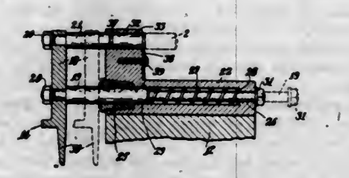
1. A governor regulator for the centrifugal governor of an engine driven compressor or pump unit, comprising a regulating device responsive to pressure from the source of pressure fluid supplied by the unit and to be maintained at substantially constant pressure by varying the speed of the engine, a source of oil under pressure and connections from said source to the regulating device controlled by said device, and a controlling device operated by said oil under pressure and adapted to vary the load on the governor, said controlling device comprising a casing, a stem movable in the lower portion of the casing and supported on the governor push rod, a compression spring supported by said stem, and a hollow piston carried by said spring, whereby variations in pressure in the source of pressure fluid supplied by the compressor unit, cause the said controlling device to change the characteristics of the governor, which in turn varies the speed of the engine as required.

1,632,350. LINE-CASTING MACHINE. ISIDORE T. REMAS, Woodhaven, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Jan. 2, 1926. Serial No. 78,758. 9 Claims. (Cl. 199—50.)



1. In a line casting machine, the combination of a relatively fixed jaw, an opposing jaw movable into contact therewith, a mold, means for advancing the latter against the jaws, and means operable by the mold advancing means for locking the jaws together during casting.

1,632,351. LOOM TEMPLE. FRANK K. SPARLING, New Bedford, Mass., assignor to Frank K. Sparling, Archibald E. Sparling, William D. Sparling, jr., and Thomas Sparling, a Copartnership doing business under name of Sparling Bros. Machine Company, New Bedford, Mass. Filed July 9, 1926. Serial No. 121,360. 4 Claims. (Cl. 139—299.)

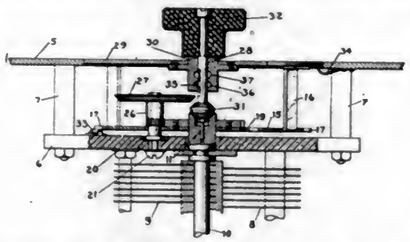


1. A loom attachment comprising a temple adapted to guide the selvage edge of a web and provided with a loose spurred web-engaging roll, an upstanding ear, a shank, and a steady-pin, said shank and pin being attached in spaced apart relation to the ear, and a temple holder adapted to be attached to the breast beam of a loom and provided with a shank guide in which the shank is movable, a spring in said guide, and an upstanding ear having a guide in which the steady-pin is movable, the temple being movable in one direction by the loom lay, and in the opposite direction by the spring, the steady-pin and its guide preventing lateral movements of the shank and minimizing wear of the contacting surfaces of the shank and its guide.

1,632,352. ELECTRICAL CONDENSER. JOHN M. STEWART, Clarendon, Va. Filed Nov. 4, 1924. Serial No. 747,877. 3 Claims. (Cl. 74—7.)

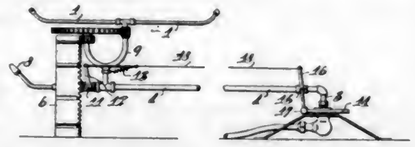
2. A control mechanism including a support, a shaft journaled in the support, a gear housing affixed to the shaft, a train of gears within the housing for imparting motion thereto, means for rotating the shaft consisting of a spindle journaled in the housing and movable parallel with the shaft, means upon the end of the spindle engageable directly with the end of the shaft for direct

rotation thereof by the spindle in its inward position and engageable with the train of gears for the indirect rotation of the shaft by the spindle in its outward position



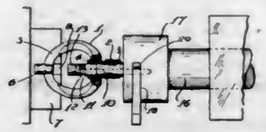
and means for maintaining the means upon the end of the spindle in pressure engagement with the end of the shaft at the inner position of the spindle.

1,632,353. TRAVELING SPRINKLER. WILLIAM C. TODD and JAMES WILLIAM POMEROY, Victoria, British Columbia, Canada. Filed Dec. 31, 1925. Serial No. 78,606. 1 Claim. (Cl. 299—50.)



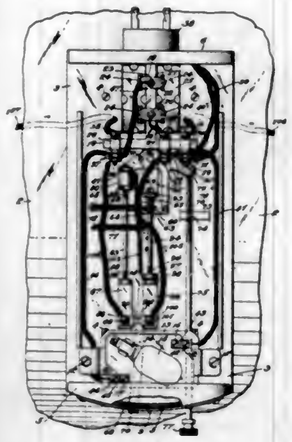
In a traveling lawn sprinkler, a central support, a horizontal pipe rotatably mounted at one end on said support, means for delivering water to said end of said pipe, means on said pipe for moving it around the support as an axis, said means including a reaction sprinkler mounted on said pipe, a traction wheel mounted on said pipe and gear connected with said reaction sprinkler, a supplementary jet pipe extending from the outer end of said horizontal pipe, a valve between said jet pipe and the place where said reaction sprinkler is mounted so as to control water passing through said jet pipe without effecting the flow of water to said reaction sprinkler, a cam plate on said support, a lever pivoted to said horizontal pipe and having an end to cooperate with said cam plate, a rod connecting said lever to said valve, and a spring for holding the lever in cooperative relation to said cam plate and for continuously tending to close said valve.

1,632,354. VALVE-SEAT CUTTER. EMIL TYDEN, Evanston, Ill. Filed May 21, 1923. Serial No. 640 358. 5 Claims. (Cl. 90—12.5.)



1. A tool for the purpose indicated comprising a stem, a cutter holder mounted at the forward end thereof, and a blade fixed in the holder and provided with a cutting edge at its free extremity, said blade projecting from the rear face of the holder but lying entirely within the projected outline of the holder, and said holder being adjustable with respect to the stem for shifting the cutting edge of the blade laterally beyond the projected outline of the stem for operating upon a forwardly facing area of a piece of work through which the stem is protruded.

1,632,355. THERMOSTATIC CONTROL MECHANISM. VALENTINE WEBER and EDWIN G. PRICE, Newark, N. J. Filed Oct. 8, 1925. Serial No. 61,220. 4 Claims. (Cl. 200—139.)



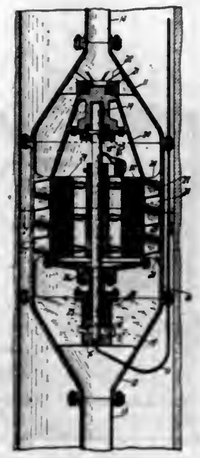
1. A thermostatic control-mechanism comprising a base, a crank-device movably mounted upon said base, a pair of contact-making and breaking switch-arms associated with said crank-device, an index-arm carried by said crank-device, a screw-threaded projection upon said base, and a screw-threaded setting arm movably disposed in said projection for setting said crank-device and its index-arm, associated with a thermostatic means for independently actuating one of said switch-arms for breaking the electrical contact of said switch-arms, consisting of a bearing with which said base is provided, a rod oscillatorily disposed in said bearing, said rod having a lower portion extending from said bearing, an arm-portion extending from said lower portion of the rod, and a strip of thermostatic metal attached to said bearing adapted to engage the arm-portion of said rod for actuating said last-mentioned switch-arm.

1,632,356. INFLATABLE TOY. ROY B. WEIMER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 19, 1925. Serial No. 57,360. 2 Claims. (Cl. 46—40.)



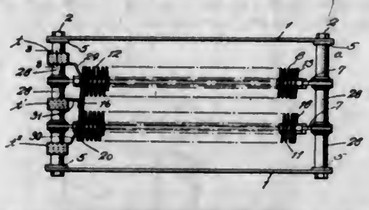
1. An inflatable toy comprising a main compartment simulating a human body, head, and leg, supplemental compartments simulating the other leg and both arms connected thereto and interiorly communicating therewith, said supplemental compartments having portions overlying the body portion of the main compartment, an envelope enclosing the body portion of the main compartment and overlying portions of the supplemental compartments only, and means for inflating the compartments.

1,632,357. PUMP OR IMPELLER. HARRY WHITE, Kenmore, Ohio. Filed May 24, 1926. Serial No. 111,108. 4 Claims. (Cl. 103—87.)



1. A self-contained pump comprising a pump casing, a fluid-tight motor casing rotatable within the pump casing, an impeller carried by the motor casing, a vane on the pump casing with which the impeller cooperates, a fixed hollow shaft extending through the motor casing, a motor armature secured on said shaft, a motor field secured within the casing about the armature, and means leading into the pump casing and through the hollow shaft into the motor casing for supplying electricity to the motor.

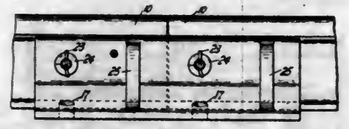
1,632,358. TERMINAL FOR RHEOSTATS. GEORGE H. WHITTINGHAM, Baltimore, Md. Filed June 18, 1925. Serial No. 38,009. 3 Claims. (Cl. 201—63.)



2. In a rheostat, a frame having cross-bars at each end, coil supporting members supported at their ends by said bars, edge wound resistance coils on said members, flat clamps fitting on to said coils, a terminal rigidly secured to and insulated from two of said bars at one end of the frame, and a flexible metal connection between said terminal and one of said clamps.

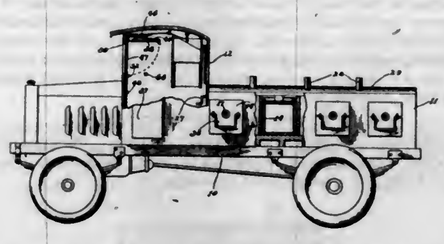
1,632,359. RAIL JOINT. ORVAL L. WILLIAMS, Kenmore, Ohio. Filed Jan. 15, 1927. Serial No. 161,295. 5 Claims. (Cl. 238—182.)

5. A rail joint including the rail and similar joint bars on opposite sides of the rail connecting adjoining ends of the rail sections, each joint bar comprising an upright member for fitting the fishing space, the inner face of said member being beveled to clear the rail excepting at the top edge thereof, the top edge of the upright member being arranged to engage under the rail head and against the rail, a foot flange for resting on the rail flange, a base member for engaging under the base of the rail and beveled on its upper face so as normally to contact the base of the rail only at its inner edge, and pairs of integral studs, one stud of each joint



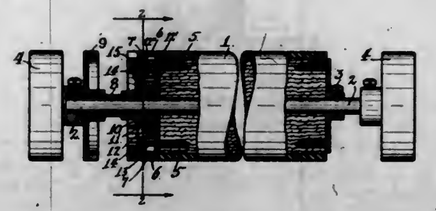
bar being arranged to project through an aperture in a rail section adjacent its end and an aperture in the adjoining rail section more remote from its end, said studs being elongated so as to extend through the rail.

1,632,360. ARMORED TRUCK FOR TRANSPORTING VALUABLES. CALVIN H. WILSON, McCracken, Kans. Filed May 21, 1924. Serial No. 714,060. 4 Claims. (Cl. 296—24.)



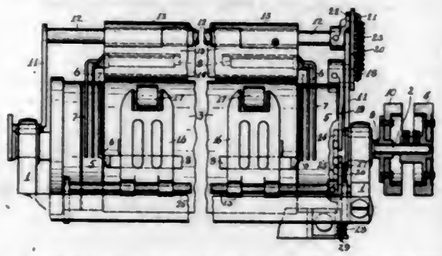
1. An armored truck comprising a cab and a body portion constructed of bullet-proof sheet metal, said body portion being provided with cells opening through the sides thereof, a safety box fitting in each of said cells, and means for locking each box in position; said means including a lever adapted to grip the box, a rotary shaft carrying said lever, and means in said cab for rotating said shaft and moving the lever to a releasing position.

1,632 361. VARIABLE-SPACING PLATEN CLUTCH FOR TYPEWRITERS. HUBERT MCL. ARMISTEAD, San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed May 18, 1925. Serial No. 30,908. 9 Claims. (Cl. 197—123.)



1. A variable-spacing platen-clutch for typewriters comprising, in combination with a platen, its rotatable shaft and its definite line-spacing control ratchet; a clutch ring associated with the platen; an annular, expansible split clutch shoe within and coacting with said clutch ring; a radially slidable yoke operatively associated with said control ratchet, said yoke having a wedge to coact with the severed ends of the split clutch shoe to effect and control its expansion; and a cam independently rotatable about the platen shaft and operating within said yoke to move it radially.

1,632,362. MANIFOLDING ATTACHMENT FOR TYPEWRITERS. HUBERT MCLEAN ARMISTEAD, San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed May 20, 1925. Serial No. 31,525. 15 Claims. (Cl. 197—126.)



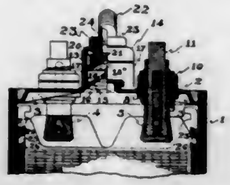
1. In a manifolding device for typewriters, the combination of a manifolding member associated with the platen-carriage of the machine, and adapted to be depressed to functional position in the line of type impact and to be elevated therefrom; and a shield plate mounted on the platen-carriage and overlying approximately the full length of the platen above the elevated position of the manifolding member, and adapted to deflect the uprising paper from the platen and separate it from said elevated manifolding member.

1,632,363. SHOCK-RESISTING GLASS. WILLIAM C. BULL, Brooklyn, N. Y. Filed Mar. 15, 1926. Serial No. 94,730. 3 Claims. (Cl. 49—92.)



1. As an article of manufacture, a laminated glass product composed of sheets of glass held together by a transparent membrane and at least one of said sheets containing therein only spaced strands of disconnected wires in non-crossing relation.

1,632,364. BATTERY CELL. CAMPBELL C. CARPENTER, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Oct. 23, 1920. Serial No. 418,938. 2 Claims. (Cl. 136—177.)

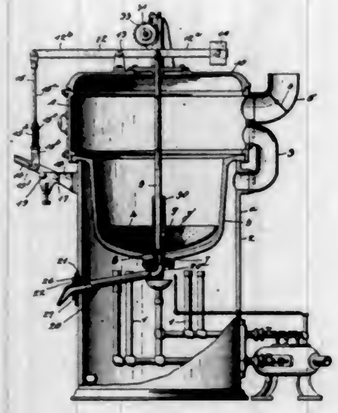


1. In combination, a cell post having a hole extending longitudinally therethrough, said post comprising a member of acid-resisting material having a leading-in conductor embedded therein, said conductor being spaced from said hole by the acid-resisting material.

1,632,365. PROCESS OF PRODUCING PAINTS AND STAINS. GEORGE WASHINGTON CARVER, Tuskegee, Ala. Original application filed June 13, 1923, Serial No. 645,199. Divided and this application filed Jan. 29, 1925. Serial No. 5,638. 8 Claims. (Cl. 134—58.)

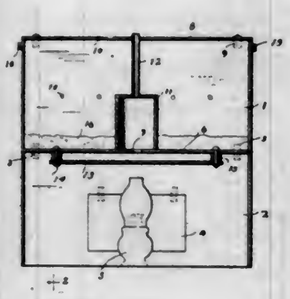
1. The process of producing pigment or the like which comprises treating ferruginous clay with acid, and adding a potassium-iron-cyanogen compound.

1,632,366. MELTING FURNACE. WILLIAM H. CHENOWITH and GEORGE C. SCHIMPF, Curtis Bay, Md., assignors to Harry D. Harvey, Baltimore, Md. Filed Nov. 8, 1924. Serial No. 748,675. 2 Claims. (Cl. 263—14.)



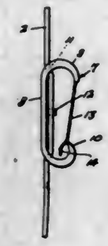
2. In a melting furnace, a casing, a melting pot within the casing and having an outlet opening in its base and a valve seat in said opening, a valve stem extending downwardly through the pot and having a valve at its lower end adapted to fit on said seat when the stem is lowered, a lever fulcrumed on the top of the furnace and having a pivotal connection with said stem, a hand lever pivoted to one side of the furnace, a link connecting said levers, said link comprising two parts and a yielding connection between said parts, and means for locking the hand lever when the valve is seated.

1,632,367. BROODER. HANS A. CHRISTIANSEN and LESLIE E. MERRICK, Agar, S. Dak. Filed July 28, 1926. Serial No. 125,499. 2 Claims. (Cl. 119—32.)



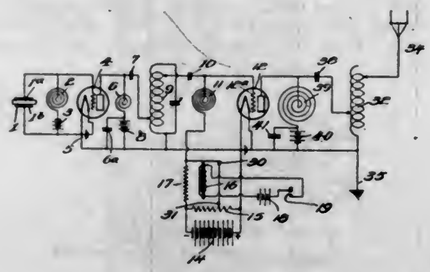
1. A brooder comprising separable upper and lower chambers, a heater in the lower chamber, the upper chamber having a bottom which extends over and closes the top of the lower chamber and said bottom having a centrally disposed opening, a plate attached to the bottom of the upper chamber and spaced therefrom, and terminating at its edges a short distance from the enclosing walls of the lower chamber and a drum supported upon the bottom of the upper chamber in line with the opening therein and having a vent pipe extending from the top thereof through the top of the upper chamber.

1,632,368. TRACE CARRIER. STANLEY J. COLTON, Binford, N. Dak. Filed Sept. 15, 1926. Serial No. 135,620. 1 Claim. (Cl. 54—56.)



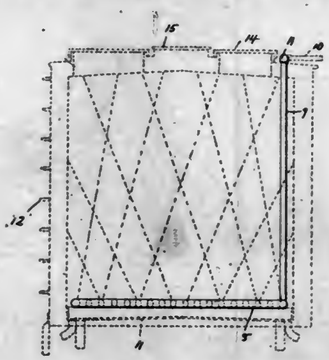
As a new product of manufacture, a trace carrier comprising a single body having its opposite ends bent into hooked formation, the bills of the hooks being disposed somewhat in the same plane, one hook forming a keeper for a trace cockeye, the body being formed at its points of connection with the hooks with slots for passage of a carrying strap, being also provided with a central angularly disposed stud for passage through an opening in said strap, a spring latch connected to the free end portion of one of the hooks and extending downwardly beyond the bill of said keeper hook, the extending portion being curved longitudinally to form a seat for reception of said cockeye to facilitate disconnection of the latter.

1,632,369. RADIO SIGNALING SYSTEM. ALFRED CROSSLEY, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 12, 1925. Serial No. 62,199. 3 Claims. (Cl. 250—19.)



1. In a signaling system the combination of an electron tube having grid, filament and plate electrodes, input and output circuits interconnecting said electrodes, a source of negative potential arranged to be normally connected with said grid electrode, a resistance interposed between said source and said grid electrode, a potentiometer shunted across said source, an independent connection between a point along said potentiometer and said grid electrode, a relay system, relay contacts actuated by said relay system and interposed in said independent connection on opposite sides of said resistance, and a keying circuit for controlling said relay system whereby said grid electrode may be normally connected with said source of negative potential, and said connection shifted to said point along said potentiometer for changing the value of the negative potential on said grid electrode in accordance with the operation of said keying circuit.

1,632,370. COMBINED GRATING AND SPRAY FOR REFRIGERATOR CARS. LAWRENCE CRUNCLETON and FRED L. CRUNCLETON, Pharr, Tex. Filed June 29, 1926. Serial No. 119,485. 1 Claim. (Cl. 62—15.)



In combination with the bunker of a refrigerator car, a combined grating and spray contrivance in the bottom thereof formed with a rectangular tubular frame having a plurality of tubes across the frame, and a pipe rising from the corner thereof, said tubes and frames being perforated.

1,632,371. PENCIL. GEORGE W. GILMAN, Attleboro, Mass., assignor, by mesne assignments, to The Parker Pen Company, Janesville, Wis., a Corporation of Wisconsin. Filed Nov. 7, 1921. Serial No. 513,226. 22 Claims. (Cl. 120—18.)

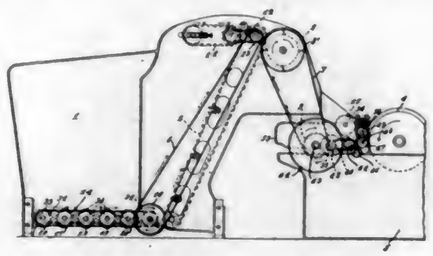


19. In magazine pencils wherein is provided a holder with a lead guide, a plunger for feeding the leads, and a screw for moving the plunger forwardly and reversely; the combination with the plunger and screw of means effective at the end of the plunger's forward stroke for holding the plunger and screw in position for engagement upon reverse rotation of the screw while permitting the screw to rotate in the forward direction freely without projecting the plunger.

1,632,372. MACHINE FOR OPENING AND PREPARING COTTON. JAMES W. GOODROE, Experiment, Ga. Filed July 29, 1926. Serial No. 125,720. 6 Claims. (Cl. 19—79.)

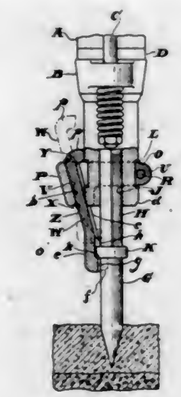
1. A conveying device for conducting in a forward direction cotton to the elevator of a cotton preparing

machine comprising a set of lengthwise opposed, spaced, closely arranged, lengthwise corrugated, synchronously operable, forwardly revoluble conveyor rolls, said set



consisting of a rear end roll, a forward end roll and a plurality of intermediate rolls, and means for driving said rolls synchronously.

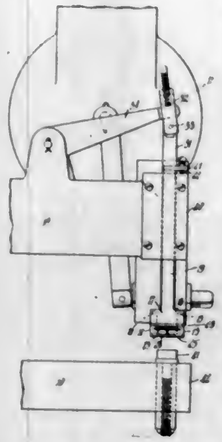
1,632,373. STEEL RETAINER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 15, 1926. Serial No. 122,677. 5 Claims. (Cl. 121—32.)



1. In a rock drill, the combination of a front head having an annular groove, a drill steel in the front head, a yoke loosely engaged by the groove, said yoke having an inclined longitudinal slot, a retainer arm slidable in the slot whereby it is guided into positions for retaining the drill steel in the front head and for releasing the drill steel therefrom, and means integral with said retainer arm for limiting longitudinal movement of the retainer arm.

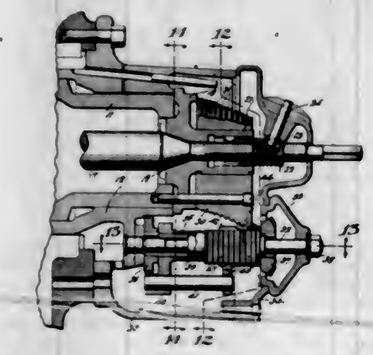
1,632,374. FASTENER-SETTING MECHANISM. ARTHUR R. HAVENER, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1926. Serial No. 103,923. 3 Claims. (Cl. 1—3.)

3. A mechanism for setting an annular pronged fastener having, in combination, a driver provided with an annular groove adapted to receive the head portion of said fastener, a spring-actuated plunger in said driver adapted to frictionally engage the inner face of said annular fastener and hold it positioned thereon, the forward end of said plunger normally projecting out of said driver beyond the annular groove therein, an anvil in alignment with said driver, a support for said fastener comprising a stationary member and a pair of fingers pivoted thereto normally interposed between said driver and anvil and movable toward and away from each other, and a spring acting to move them toward each other,



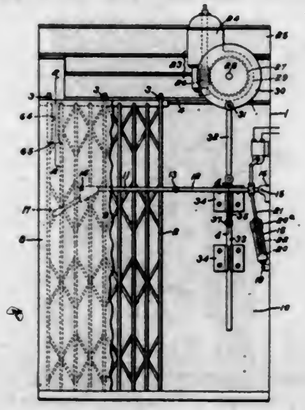
and means to impart a reciprocatory movement to said driver and plunger, whereby a fastener positioned in said fingers will be engaged and gripped by said driver and plunger, the fastener pushed through between said fingers and its prongs clinched in a piece of material interposed between the fingers and anvil.

1,632,375. SHAPER. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 25, 1924. Serial No. 733,883. 12 Claims. (Cl. 90—39.)



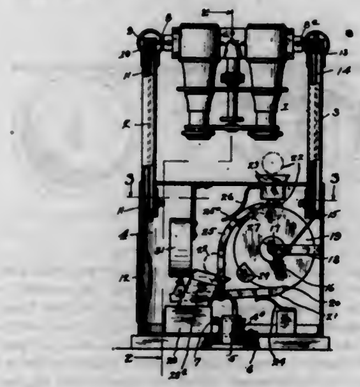
1. In a metal shaping machine, a ram, a crank gear therefor, a carriage cross-feed screw, a multiple cam rotatable with said crank gear, a ratchet feed transmission mechanism connecting said cam and cross-feed screw including a rocker member engaging said cam, and laterally translatable across said cam for selective engagement with the various cam surfaces, to obtain the varying degrees of feed screw rotation in synchronism with the ram.

1,632,376. ELEVATOR SYSTEM. JOSEPH R. JACKSON, Jr., Boston, Mass., assignor to A. B. See Elevator Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Feb. 27, 1924. Serial No. 695,491. 11 Claims. (Cl. 187—52.)



4. In an elevator system, the combination with manually operable self-closing elevator shaft door operating means, of an elevator car and a motor driven power unit adapted to operate through said shaft door operating means to open said door.

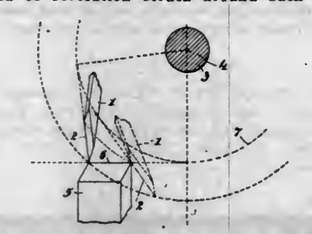
1,632,377. COIN-CONTROLLED OPTICAL INSTRUMENT. HERMAN M. JOHNSON, Portland, Oreg. Filed Nov. 13, 1924. Serial No. 749,652. 8 Claims. (Cl. 194—61.)



1. In a device of the character described, a base, spaced vertical supports carried by said base, an optical instrument carried by said supports, means for locking said instrument in position facing said base which thus serves as a shield therefor, coin controlled means for releasing said locking means, said locking means being reset by a movement of said instrument to its original position.

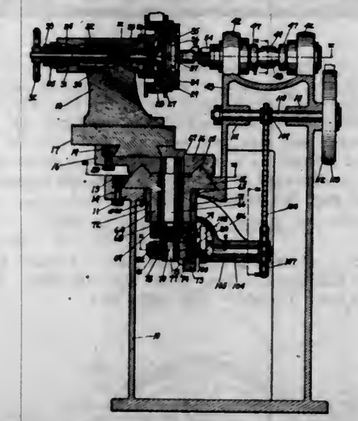
1,632,378. PAPER-CUTTING MACHINE. FRIEDRICH LERNER, Vienna, Austria. Filed May 9, 1925, Serial No. 29,095, and in Austria May 15, 1924. 13 Claims. (Cl. 164—68.)

1. For a paper cutting machine a transverse cutter comprising a rotary cutter having a rectilinear edge crossing the axis of revolution and constituting in any of its positions a rectilinear generatrix of one set of a hyperboloid of revolution struck around such axis and



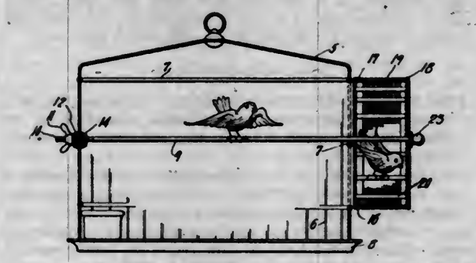
further comprising a stationary knife having a rectilinear edge constituting a generatrix of the other set of the same hyperboloid.

1,632,379. GRINDING MACHINE. HANS LUTZ, Elmira, N. Y., assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 27, 1919. Serial No. 333,766. 8 Claims. (Cl. 51—97.)



1. In a machine of the class described, the combination of a base, an adjustable slide upon said base having a circular track thereon, means for locking said slide in different positions of adjustment, a carriage mounted for oscillation upon said track, a work holder upon said carriage, a shaft journaled upon said slide and connected with said carriage, a bracket connected with said track, a second slide reciprocably mounted upon said bracket, means for reciprocating the same, and means connecting said shaft with said second slide whereby, when the latter is reciprocated, oscillation of said shaft and said carriage will be effected.

1,632,380. BIRD CAGE. HASCAL MARCUS, Brooklyn, N. Y. Filed Nov. 20, 1926. Serial No. 149,621. 2 Claims. (Cl. 119—17.)



1. A bird exercising device for attachment to bird cages comprising a rod threaded at one end, a clamp at

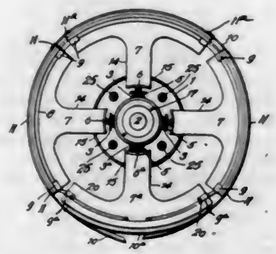
said end for engagement with the cage bars, a lock for the end of the rod for securing said clamp, a revolvable wheel carried at the opposite end of said rod, and said rod constituting a bird perch within the cage.

1,632,381. VENTILATOR CANOPY. ROBERT E. PECK, Cincinnati, Ohio, assignor to The Peck, Hannaford & Peck Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 29, 1924. Serial No. 740,637. 6 Claims. (Cl. 98—115.)



1. A ventilation canopy for collecting and disposing of vapors or the like emitted from machines, of sectional casing structure comprising a stationary top adapted to be suspended above the machine and having a vent duct therethrough, and side wall sections about said top combined and slidable as a unit upon said top adapting the same to be depended therefrom and with the top provide a closure over the machine to be vented.

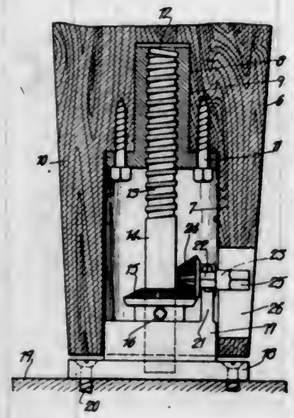
1,632,382. AUTOMOBILE WHEEL. ANTON TOMIS SACRE, San Antonio, Tex. Filed June 10, 1925. Serial No. 36,190. 1 Claim. (Cl. 152—20.)



A combined wheel and rim comprising an expansible wheel having a plurality of sections certain of said sections movable toward and from the center of the wheel at the same rate, a rim section carried by the wheel sections movable at the same rate, and another wheel section movable at a different rate from said first named wheel sections having a rim section secured thereto, and common means for operating all said wheel sections.

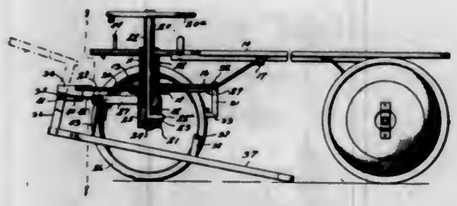
1,632,383. LEVELING DEVICE. SAMUEL SEIDEN, Bronx, and CHRISTOPHER G. MCBRIDE, New York, N. Y. Filed Apr. 9, 1926. Serial No. 100,965. 3 Claims. (Cl. 45—135.)

1. The combination with the leg of a table having a bore in the lower end thereof and an opening adjacent said bore, of an elongated sleeve in the bore fixed to said leg, a screw operable in said sleeve, means disposed in said opening for operating said screw to cause vertical movement of the table, a base for keeping the screw in vertical alignment, the base having an upwardly disposed extension which fits snugly within the bore and serves as a guide for the leg during its movement and an extended foot portion on said base adapted to be secured



to the floor to form an anchor for the table and a bracket associated with the base and arranged to support the screw operating means.

1,632,384. STEERING MECHANISM FOR COASTER WAGONS. ERNEST SINCLAIR SHOWERS, Champion, Mich. Filed Apr. 29, 1926. Serial No. 105,568. 6 Claims. (Cl. 280—87.5.)

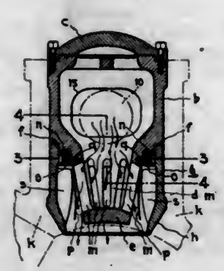


1. A coaster wagon having a body, a front axle and wheels thereon, a steering post operatively connected to the front axle, a tongue operatively pivoted to the front axle and adapted to be shifted from a pulling position to an inoperative position beneath the body, means permitting the tongue to be longitudinally shifted relative to the body in a rearward direction when the tongue is disposed beneath the body, means beneath the body for supporting the tongue when it is disposed beneath the body and shifted rearward, and means for latching the tongue against rearward shifting movement when the tongue is turned into its pulling position.

1,632,385. COMPRESSOR. CARL W. VOLLMANN, Montreal, Quebec, Canada. Filed Feb. 15, 1922. Serial No. 536,626. 2 Claims. (Cl. 251—119.)

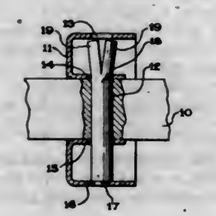
1. In a compressor for gaseous fluid, an intake member of circular cross-section at its upper portion and having an intake opening in its side and its top permanently closed, the member being reduced in diameter at its lower portion forming a shoulder, the lower portion consisting of a hollow member of truncated conical form

and closed at its truncated lower end and having a surrounding series of longitudinal ports radially opening, a valve case equal in diameter to the upper portion of the intake member and seated against the shoulder and enclosing the truncated conical member, a plurality of separate and distinct check valves equal in number to the



number of the openings and of uniform width throughout their length and controlling the ports, each valve independently controlling only one of the ports, and means for securing the valves at the ends of the ports from which the flow passes therethrough and permitting them to open in the direction of the flow.

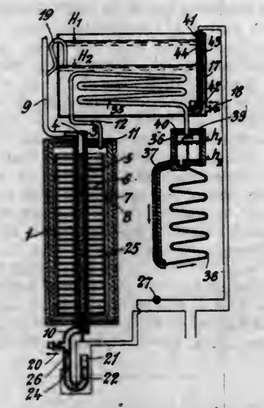
1,632,386. PIN. GEORGE A. WATERS, Newkirk, Okla. Filed June 30, 1922. Serial No. 571,935. 1 Claim. (Cl. 287—53.)



The combination of a shaft having a transverse bore, a pulley mounted on the shaft and having inner and outer spaced portions and a plurality of alined openings in registration with said bore, and a pin occupying said openings and bore for holding the pulley on the shaft, said pin having a reduced end portion received by a pulley opening of corresponding reduced size and also having a shoulder bearing against the inner side of the pulley portion in which the reduced end of the pin is disposed, the opposite end of the pin being split longitudinally and defining separated portions arranged within the outer portion of the pulley and adapted to bear outwardly against the latter at diametrically opposite sides of the adjacent opening for the purpose specified.

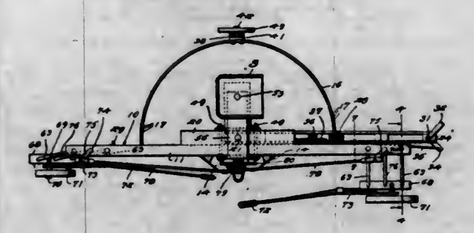
1,632,387. REFRIGERATING MACHINE OF THE ABSORPTION TYPE. IVAR AMUNDSEN, Oslo, Norway. Filed Feb. 21, 1925, Serial No. 10,972, and in Norway Feb. 22, 1924. 1 Claim. (Cl. 62—5.)

A refrigerating plant, comprising a generator-absorber vessel, a stationary cooling water tank, a cooler for the vessel, an intermittent outlet device discharging from the tank, to said cooler, controlled by the water level in the tank, an inlet pipe for the tank, and an outlet pipe for said cooler, control means in the inlet and outlet pipes whereby the duration of the filling and emptying periods of the tank can be accurately controlled and varied as desired, a heating element for the vessel, and a member



actuated by the intermittent flow of water from said tank for cutting the heating element into and out of operation.

1,632,388. PLOW. WALTER J. CLOER, Young Harris, Ga., assignor of one-half to William M. Fain, Murphy, N. C. Filed Oct. 19, 1926. Serial No. 142,710. 6 Claims. (Cl. 97—24.)



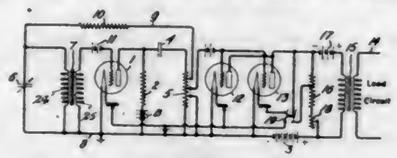
1. In combination, a plow beam, supporting wheels at opposite ends thereof, a plow secured to the beam at the center of the beam and including oppositely facing shares having a comomn land side, an operator's seat rotatably supported from the beam, a draft beam pivoted at one end to the center of the plow beam and shiftable to parallel either end of the plow beam and a connection between the draft beam and the driver's seat, rotating the driver's seat to maintain an occupant of the seat in a position where he constantly faces the free end of the draft beam.

3. In combination, a plow beam, supporting wheels at opposite ends thereof, a plow secured to the beam at the center of the beam and including oppositely facing shares having a common land side, an operator's seat rotatably supported from the beam, a draft beam pivoted at one end to the center of the plow beam and shiftable to parallel either end of the plow beam, a connection between the draft beam and the driver's seat, rotating the driver's seat to maintain an occupant of the seat in a position where he constantly faces the free end of the draft beam and an arcuate track secured at its ends to the plow beam and with which the center of the draft beam engages, the draft beam and track having coacting means for locking the draft beam in a position where it parallels either end of the plow beam, each end of the plow beam having at that face thereof confronted by the draft beam an outwardly extending lug, the draft beam having

openings into which said lugs may extend to thereby prevent vertical displacement of the plow and draft beams.

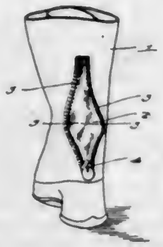
6. In combination, a plow beam, a plow secured to the beam at the center of the beam and including oppositely facing shares having a common land side, an operator's seat rotatably supported from the beam, a draft beam pivoted at one end to the center of the plow beam and shiftable to parallel either end of the plow beam and a connection between the draft beam and the driver's seat, rotating the driver's seat to maintain an occupant of the seat in a position where he constantly faces the free end of the draft beam, a vertically pivoted shaft at each end of the plow beam, each shaft having an arm, a wheel mount at each end of the plow beam and connected with the plow beam by links pivotally engaged with the plow beam at opposite sides of the associated shaft and with the block adjacent the ends thereof, the free end of the arm of the shaft having a vertical extension rotatably engaged in a bearing in the center of the wheel mounting block, means at the center of the beam operable to rotate said shafts and a land wheel vertically adjustably mounted upon each wheel mounting block.

1,632,389. OSCILLATION GENERATING AND SUPPLY SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,316. 4 Claims. (Cl. 250—36.)



1. An oscillator for producing frequencies of the order encountered in Morse telegraph practice comprising an electron relay having input and output circuits coupled by a transformer, said transformer having a core comprising a magnetic material having permeability higher than that of iron of magnetizing forces of 2/10 gauss or less and comprising at least 30% nickel and the balance iron, said core operating to limit the amplitude of the energy supplied by said output circuit to said input circuit.

1,632,390. ARCTIC. JOSEPH M. DIETZ, Ridgway, Pa. Filed Dec. 6, 1926. Serial No. 152,930. 1 Claim. (Cl. 36—50.)



An arctic including a relatively high entrance neck having an elongated opening on its rear side extending from a point just above the heel to a point spaced downwardly from the open top of the neck, and means for bringing the edges of the opening together and fastening them, together with an expansible web fastened to the inner side of the neck and extending across said opening.

1,632,391. SHADE HOLDER. LEROY C. DOANE, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed June 16, 1925. Serial No. 37,418. 10 Claims. (Cl. 240—129.)



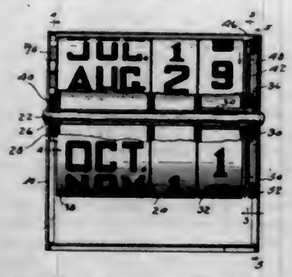
10. A shade holder comprising a flat sheet metal ring and integral legs bent from the inner side of the ring over above the top of the ring and spaced from the top of the ring to receive the flange of a shade and a reinforcing ring attached to the upper ends of the legs.

1,632,392. TOILET ARTICLE. JOHN W. DOUGHERTY and WHEELER E. TOWNLEY, Owensboro, Ky. Filed Sept. 9, 1924, Serial No. 736,719. Renewed Oct. 29, 1926. 2 Claims. (Cl. 132—87.)



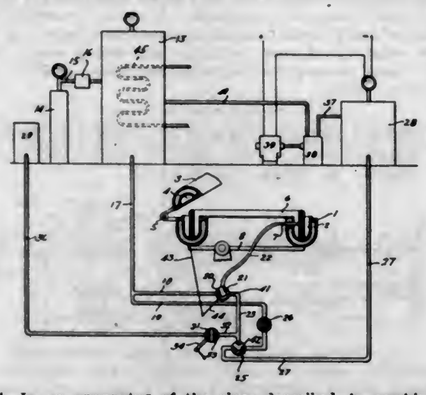
1. A toilet article comprising a brush having a chambered back, a block removably fitted to the back of the brush and adapted to close the end of the chambered portion thereof, said block having a recess in its inner end to receive a mirror and a comb-carrying pocket, and a cushion within the chambered portion of the brush back adapted to frictionally engage the mirror and retain the same and said block upon the brush back.

1,632,393. DESK CALENDAR. GEORGE WALTER ESAU, Milwaukee, Wis. Filed Oct. 27, 1924. Serial No. 746,033. 3 Claims. (Cl. 40—112.)



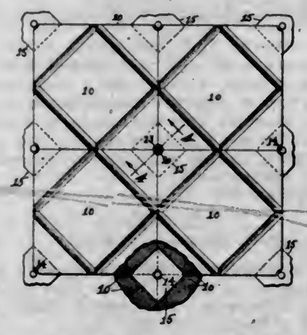
1. In a calendar of the class described, the combination of a housing, a shaft extending through and secured to the housing walls, a sleeve rotatable on said shaft, a tens date wheel secured on said sleeve to rotate therewith, a units date wheel journaled on said sleeve to rotate thereon, an actuating member concentric with said shaft and adapted to rotate independently thereof and of said units wheel, said actuating member having 31 teeth thereon, means for inserting coins into said housing and against said actuating member to advance such member one tooth for each coin inserted, a driving gear connected with said actuating member, a pinion secured to said units wheel, a transmission gear between said driving gear and said pinion, a second driving gear connected with said actuating member, a pinion secured on said sleeve, and a transmission gear between said second driving gear and said sleeve pinion, said units wheel having ten date indications 1 to 0 thereon, said tens wheel having the indication series 1, 2, 3 and blank three times repeated, said transmission gears being proportioned to cause one step advancements of said wheel for each one tooth advancement of said actuating member.

1,632,394. APPARATUS FOR PRODUCING PNEUMATIC TUBES. WALTER L. FAIRCHILD, New York, N. Y. Filed Oct. 19, 1925. Serial No. 63,368. 5 Claims. (Cl. 18—38.)



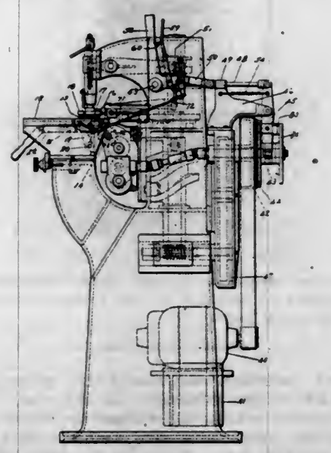
1. In an apparatus of the class described, in combination, a mold comprising a pair of mating sections having complementary vulcanizing channels, said mold sections when positioned in mating relation forming a continuous circular vulcanizing chamber adapted to receive a tube to be vulcanized, means for withdrawing air from said tube, means for introducing an inert gas into said tube partially to expand it within the lower section of the mold, said upper section being adapted to be closed upon said lower section to enclose said partially expanded tube, automatically controlled means for thereafter introducing a further quantity of said inert vulcanizing gas into said tube for expanding it within said mold, and means for withdrawing said vulcanizing gas from said tube when the vulcanizing operation thereon has been completed.

1,632,395. RESILIENT WEARING SURFACE. JOHN WILLIAM FELLOWS, Arlington, Mass., assignor to Boston Woven Hose & Rubber Co., Cambridge, Mass., a Corporation of Massachusetts. Filed Jan. 11, 1926. Serial No. 80,468. 5 Claims. (Cl. 94—13.)



1. The combination with a foundation member, of a plurality of resilient members co-operating to form a wearing layer for the foundation member, resilient members connecting together a plurality of the members of said wearing layer and provided with a reinforcing member, and fastening devices extended through said resilient connecting members and said reinforcing member for securing the wearing layer to said foundation member.

1,632,396. METHOD OF CUTTING LEADERS, GEARS, OR RACKS. MARK E. FERNALD, Southboro, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Jan. 3, 1923. Serial No. 610,442. 10 Claims. (Cl. 90—3.)



1. That improvement in the process of making leaders, gears and racks which consists in providing a suitable blank for a leader, gear or rack; cutting teeth having a predetermined circular pitch along said blank; stopping the cutting of said teeth with the blank short a predetermined number of teeth; determining the amount of circular pitch necessary to evenly space the said predetermined number of teeth in the remaining uncut portion of the blank, and then cutting the said predetermined number of teeth having the determined circular pitch to finish the blank.

4. That improvement in the progress of making leaders, gear and racks which consists in providing a suitable blank for a leader, gear or rack; providing the blank with a pair of trips or cams spaced apart a distance equal to a predetermined number of teeth having a predetermined circular pitch; inserting the blank into a cutting machine having its feed adjusted to the predetermined circular pitch; operating the machine to cut teeth having the predetermined pitch along said blank; stopping the machine upon engagement with one of the trips; measuring the distance remaining uncut on the blank to determine the amount of circular pitch necessary to evenly space the said predetermined number of teeth in the remaining uncut portion of the blank; changing the feed of the machine in accordance with the determined circular pitch; restarting the machine to cut the said predetermined number of teeth having the determined circular pitch, and stopping the machine upon engagement with the second trip on the blank.

1,632,397. COOLING TOWER. JOHN SIMON FLUOR, Los Angeles, Calif., assignor to Fluor Construction Co., Los Angeles, Calif., a Corporation of California. Filed Oct. 27, 1925. Serial No. 65,123. 10 Claims. (Cl. 261—108.)

3. In a cooling tower of the class described, a plurality of supporting posts, angular brackets secured to said supporting posts in superimposed relationship, said brack-

ets having flat, upwardly inclined supporting portions, louvers resting at their lower ends upon said angular portions between the brackets and the supporting posts,



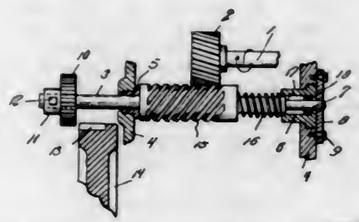
and means connected to each louver intermediate its ends serving to fasten it to the bracket next above on said supporting posts.

1,632,398. METHOD OF PRODUCING TUBULAR ARTICLES FROM PULPOUS MATERIAL. CLEM H. FRANKS, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,104. 22 Claims. (Cl. 92—54.)



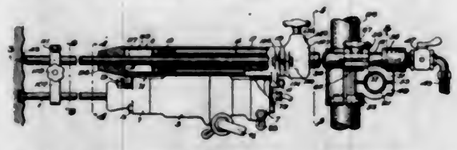
1. A method of forming a tubular article, which consists in applying moist pulp to a continuous elongated flexible strand, severing the pulp coated strand into a plurality of sections, and withdrawing the strand from the individual sections.

1,632,399. STARTING DEVICE. ULYSSES S. GEIGER, North English, Iowa. Filed Aug. 16, 1926. Serial No. 129,446. 1 Claim. (Cl. 74—7.)



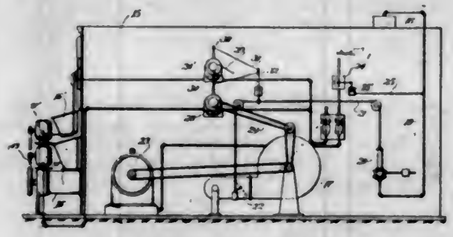
In an engine starting device of the class described, a support including spaced side walls provided with registering openings, bushings arranged in the respective openings, a driven shaft journaled at its end portions in said bushings, said driven shaft being adapted for axial movement, the inner end of the driven shaft being reduced, a cover plate secured on the outer face of the inner side wall of said support over the opening therein, said cover plate being provided with an opening through which the reduced inner end of the driven shaft extends, a gear mounted on the outer end of the driven shaft and adapted to engage a member of the engine to be started, a drive shaft arranged in parallel spaced relation with respect to the driven shaft, a driving pinion secured on the outer end of said drive shaft, a relatively wide spiral gear keyed on the driven shaft at the intermediate portion thereof, said spiral gear cooperating with the driving pinion on the drive shaft to effect the axial movement of the driven shaft whereby the gear mounted on the outer end of the driven shaft is moved into operative engagement with said aforementioned member, and a normally expansible coil spring encircling the driven shaft and disposed between the inner end of the wide spiral gear keyed on the driven shaft, and the inner bushing for returning the driven shaft to its initial position.

1,632,400. DRILLING MACHINE. GEORGE H. GILMAN, Belmont, Mass. Filed July 18, 1921. Serial No. 485,707. 27 Claims. (Cl. 121—9.)



1. A drilling machine having, in combination, an elongated supporting part adapted to be supported at spaced points lengthwise thereof, a drill steel actuator arranged in parallel relation to said part, means including a feed cylinder for slidably supporting said actuator on said part between said spaced points, said feed cylinder being rotatable about the axis of said part.

1,632,401. STOKER-RAM DRIVE. DALLAS F. GRAHAME, Toronto, Ontario, Canada, assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 28, 1922. Serial No. 532,429. 12 Claims. (Cl. 110—103.)

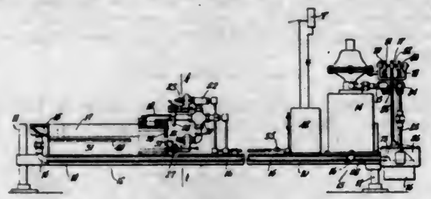


1. The combination with an underfeed stoker having a plurality of rams, a boiler, and a boiler-pressure responsive device, of respective ram-plunger driving means, an electric motor for each said means, a circuit control switch for each motor to start and stop the same, and means controlled by said boiler-pressure responsive device controlling the periodicity of such operation of said switches, whereby the duration of dwells between ram-plunger reciprocations is varied.

1,632,402. OIL BURNER. ALBERT E. GRANT, New York, N. Y., assignor to Caloroil Burner Corporation, a Corporation of Delaware. Filed May 2, 1921. Serial No. 466,183. 7 Claims. (Cl. 158—73.)

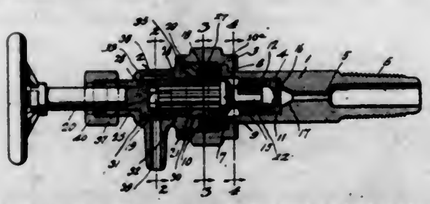
1. A portable burner to be installed in connection with a furnace, comprising a unitary base member adapted to be supported within the furnace at one end,

steam generating and flame forming apparatus detachably mounted at the furnace end of said base member, fuel and water control means detachably mounted on the



other end of said base member, and connections between said steam generating and flame forming apparatus and control means extending along said base.

1,632,403. GAUGE COCK. JOHN WALTER GRANTLAND, Cincinnati, Ohio, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 30, 1925. Serial No. 65,853. 2 Claims. (Cl. 251—22.)

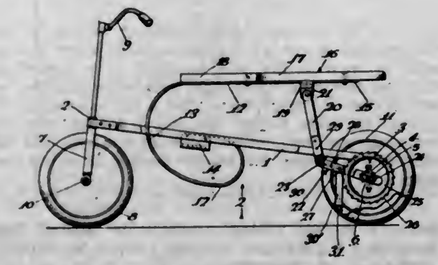


1. A valve, comprising, a valve body having a valve seat therein, a bonnet removably secured to the body, a renewable valve seat disposed between said valve seat and bonnet, a two part valve stem, said parts splined together, one part hand rotatably extending through the bonnet, a nut within the bonnet securing said first stem part against translation, the second valve stem part threaded in the valve body between the renewable valve seat and the valve seat in the body, said second stem part adapted to seat on either valve seat selectively.

1,632,404. CEMENTING MATERIAL. JAMES THOMAS GRIFFIN, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1922. Serial No. 587,673. 4 Claims. (Cl. 87—17.)

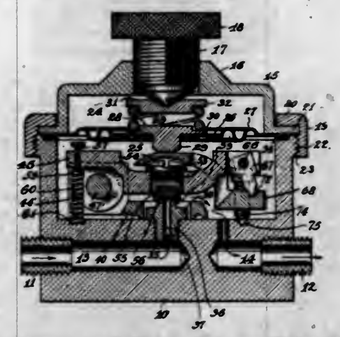
4. A cementing material for joining ceramic articles, consisting of granulated lead borate glass held in tablet form by naphthalene.

1,632,405. VEHICLE. ARTHUR W. HARRISON, Los Angeles, Calif., assignor of one-half to John E. Osborne, Los Angeles, Calif. Filed Mar. 22, 1926. Serial No. 96,558. 3 Claims. (Cl. 208—35.)



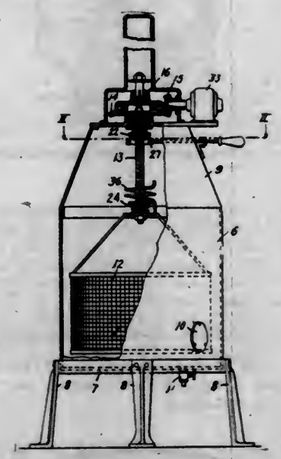
1. A vehicle comprising in combination a framework, a driving axle having a plurality of wheels, a front axle having a steering wheel, a leaf spring attached to the frame, a seat mounted on the free end of the spring, a link connected to the seat, a ratchet gear attached to the driving axle, a yoke having slots with the driving axle extending through the said slots, a pivotal connection between the yoke and the link, and a pawl on the yoke engaging the ratchet.

1,632,406. PRESSURE-REGULATING VALVE. WILLIAM C. HEYDECKER, Jr., New York, N. Y. Filed June 22, 1926. Serial No. 117,712. 4 Claims. (Cl. 50—26.)



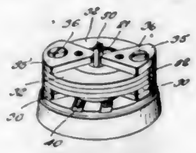
1. A pressure regulating valve comprising a casing formed with a communicating inlet and outlet, a rocker member positioned in alignment with said communication, a screw valve carried by said rocker member at its center, a lever mounted in alignment with said rocker member, the free end of said lever being positioned directly above and in alignment with said screw valve, and a screw operatively connected to said lever and mounted directly above and in alignment with said lever, rocker member and screw valve whereby said screw valve is positively operated.

1,632,407. WASHING MACHINE. JOHN S. JENKS, Pittsburgh, Pa. Filed Dec. 29, 1919. Serial No. 347,992. 13 Claims. (Cl. 68—18.)



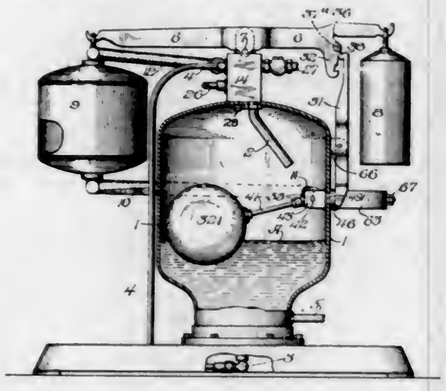
1. In a washing machine, a fluid container, a movable container therein for holding the article to be cleaned, means for raising the movable container while rotating it in the fluid, means for automatically permitting the movable container to rotate a predetermined amount when lifted from the fluid container, and means for releasing the movable container to permit it to return to the fluid while being rotated at a relatively high rate of speed.

1,632,408. SOUND-PRODUCING DEVICE. FRANK J. KAEHNI and WILLIAM L. KAEHNI, Cleveland, Ohio, assignors to The Cleveland Trust Company, trustee, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 9, 1924. Serial No. 742,633. 8 Claims. (Cl. 197—100.1.)



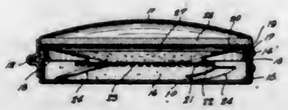
1. The combination with a phonograph reproducer having a rockable stylus and sound reproducing diaphragm, and a magnetic device responsive to audio-frequency variations in an electric circuit and consisting of a base member, and a permanent magnet of flat arcuate pieces, pole members secured thereto to form in effect with the said pieces a continuous magnetic annulus and extending inwardly from such annulus, a vibrating member between the poles, an electromagnetic coil for subjecting the vibrating member to variable magnetic flux, said vibrating member adapted to be connected with the rockable stylus.

1,632,409. CARBONATOR. ALPHONSO L. KOENIG, Chicago, Ill., assignor to The Koenig Carbonators, (Inc.), a Corporation of Illinois. Filed Dec. 5, 1923. Serial No. 678,576. 12 Claims. (Cl. 261—27.)



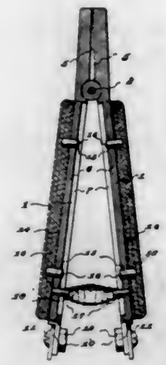
1. In combination, a carbonating chamber, a liquid-delivery pipe, a gas-delivery pipe, a float in said chamber, and means controlled jointly by said float and by the weight of a body of liquid that has been delivered to said chamber for opening and closing communication between said pipes and said chamber.

1,632,410. VANITY BOX. ANKER S. LYHNE, Bridgeport, Conn. Filed Oct. 21, 1925. Serial No. 63,981. 6 Claims. (Cl. 132—83.)



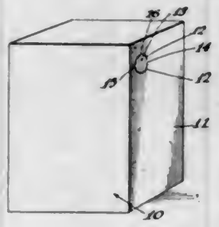
1. In a vanity box, cover and body sections, one of said sections including a loose powder container, a cover for said container having an opening, and a closure for said opening comprising a plate disconnected from the cover provided with integral, downwardly extending resilient fingers to engage the bottom of the container and yieldingly hold the closure over the opening, said fingers being arranged to extend transversely of radial lines from the center of the plate and spaced from this center.

1,632,411. WELDING TOOL. ROYAL MATTICE, Bethlehem, Pa. Filed July 7, 1925. Serial No. 42,000. 6 Claims. (Cl. 219—8.)



1. Welding tongs comprising two members pivoted to each other at a point intermediate their ends, and a telescopic spring connected to said members on one side of said pivot and normally urging the portions of the members on the other side of said pivot toward each other.

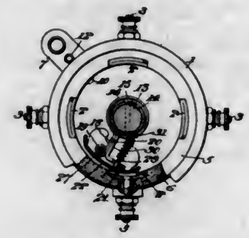
1,632,412. DISPENSING CARTON. ROBERT C. MCCRYSTAL, Los Angeles, Calif., assignor of one-half to Herbert D. Field, Los Angeles, Calif. Filed Jan. 19, 1926. Serial No. 82,217. 4 Claims. (Cl. 229—7.)



4. A carton having incisions formed in one of its walls defining a cut-out forming a door which is connected by webs to the wall in which it is formed on which the door may swing, said webs being arranged on opposite sides of the cut-out so that a line connecting the center of the webs divides the cut-out portion into sections of unequal area, whereby inward pressure upon the larger section causes the smaller section to swing outwardly.

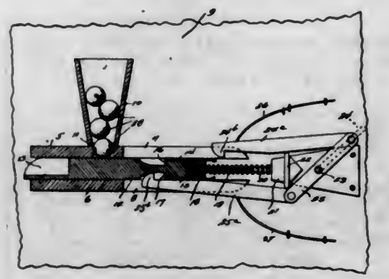
1,632,413. SPARK TIMER. ARTHUR R. MOSLER, New York, N. Y. Filed June 10, 1924. Serial No. 719,077. 2 Claims. (Cl. 200—26.)

1. In a spark timer, a casing having one or more contacts, a rotary shaft, a sleeve carried thereby having a divided arm, one branch being developed into an eye and the other branch into a stop, a reversible contact element, a removable pin engaging said eye and also the



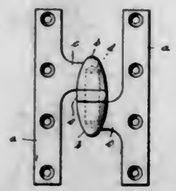
element at one of two points, for pivoting the trailing portion of the element to the arm, and a spring pressing the element outwardly.

1,632,414. BOMB DROPPER FOR AEROPLANES. ANTON NOSAN, Cleveland, Ohio. Filed Aug. 18, 1926. Serial No. 129,984. 2 Claims. (Cl. 244—1.)



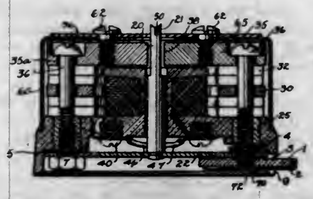
1. A bomb dropper comprising a bomb hopper, and a spring pressed plunger working under the same, a lever, a pair of spring pressed pawl bars connected to the lever and alternately engageable with opposite sides of the plunger to advance the same and compress its spring, and means to release the pawl bars from the plunger, to permit the spring to return the plunger and discharge the bomb.

1,632,415. OLIVE-KNUCKLE HINGE. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 8, 1926. Serial No. 134,270. 2 Claims. (Cl. 16—128.)



1. A hinge formed of sheet metal having an attaching portion, a shank portion extending therefrom, and a dome shaped knuckle integrally connected with the outer end of said shank portion, said knuckle having a single and practically invisible line of juncture in its wall extending from a point adjacent the apex of the knuckle down to and along the shank portion.

1,632,416. ADJUSTING MEANS FOR SOUND-REPRODUCING MECHANISM. CARL E. PEARSON, Cleveland, Ohio, assignor to The Cleveland Trust Company, trustee. Filed Oct. 13, 1926. Serial No. 141,404. 13 Claims. (Cl. 179—100.1.)



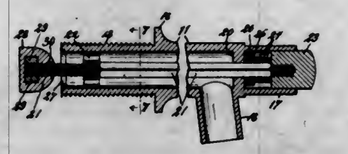
1. In a sound reproducing device the combination of an annular magnet, pole pieces mounted on said magnet and having an air gap therebetween, a ferro-magnetic reed positioned in the air gap and adapted to vibrate therein, a leaf spring member for carrying said reed, positioned diametrically of said annular magnet and secured thereto at one end and means for adjustably securing the other end of the spring to the magnet whereby the reed may be moved in the said air gap.

1,632,417. MACHINE-CONTROL APPARATUS. LUDWIG ROEBEL, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed Mar. 4, 1926, Serial No. 92,299, and in Germany Mar. 12, 1925. 5 Claims. (Cl. 74—39.)



5. Apparatus for conjointly controlling a plurality of prime movers, comprising concentrically pivoted members arranged in juxtaposition, a plurality of handles on each member, handles on the different members being arranged to be grasped conjointly with one hand.

1,632,418. FAUCET. LEONARD RUEGG, Los Angeles, Calif. Filed Aug. 28, 1926. Serial No. 132,094. 4 Claims. (Cl. 251—137.)



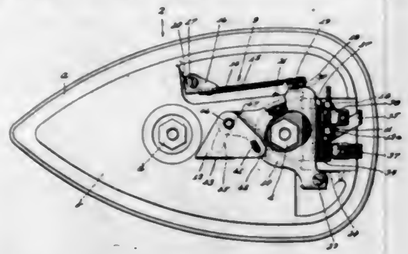
1. A faucet having a hollow casing with a valve seat formed on the inner end thereof, a straight spring-held valve stem longitudinally movable centrally in said casing and threaded at its inner end, means for preventing the valve stem from turning in the casing, an imperforate valve made of rubber and the like and an angular nut embedded in and enveloped by said valve with the major thickness of the valve extending inward beyond the nut and surrounding the valve stem so that

the nut is not removable therefrom and is adapted to screw on the threaded end of the valve stem and is behind the main portion of the valve that engages the valve seat, substantially as set forth.

1,632,419. CONCENTRATION OF METALLIFEROUS ORES. TUDOR REES SIMPSON, Johannesburg, Transvaal, South Africa, assignor to Minerals Separation North American Corporation, New York, N. Y., a Corporation. Filed May 27, 1926, Serial No. 112,129, and in the Union of South Africa June 9, 1925. 13 Claims. (Cl. 209—166.)

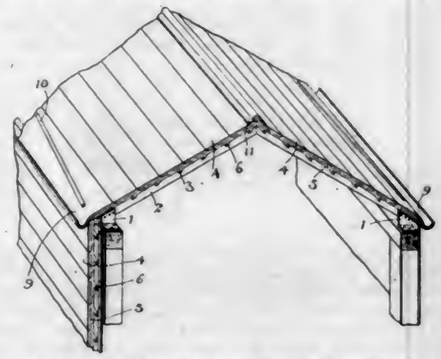
1. The process of concentrating a material carrying floatable mineral and gangue which consists in agitating a pulp of the suitably ground material with a mineral-frothing agent in the presence of an organic sulphhydric compound and an organic protective colloid substance adapted to selectively inhibit the flotation of a large proportion of normally floatable gangue material, and separating a froth carrying a large proportion of a mineral present.

1,632,420. THERMAL CIRCUIT BREAKER. JOSEPH F. SMART, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed July 31, 1923. Serial No. 654,890. 14 Claims. (Cl. 200—138.)



1. A thermal circuit breaker including a circuit closer, and thermostatic means normally holding said closer in circuit closing position, said means including a plurality of thermostats, one of which is arranged to normally hold said closer in circuit closing position and the other of which is arranged to move said first thermostat, said thermostats being so arranged that their responses to temperature changes are combined to effect release of the closer.

1,632,421. HOUSE CONSTRUCTION. GEORGE STEVENSON, Toronto, Ontario, Canada. Filed July 21, 1924. Serial No. 727,292. 2 Claims. (Cl. 72—19.)



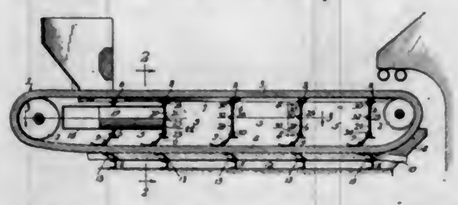
1. A building structure, comprising a plurality of structural frames spaced apart and each having a plurality of spaced notches in their outward sides, boards formed of concrete extending horizontally between and bridging said frames, and longitudinal ribs arranged on the inner side of said concrete boards adapted to enter said notches to secure the boards to said spaced frame.

1,632,422. QUOIN. HOSEA H. STRAIT, Overland, Mo. Filed Jan. 4, 1923. Serial No. 610,547. 1 Claim. (Cl. 254—41.)



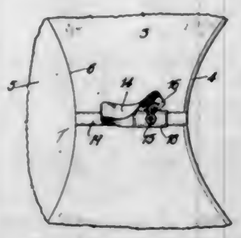
A quoin consisting of two parts comprising a plate provided with an integrally formed internally threaded hub portion projecting therefrom, and another plate adapted to be operatively associated with said first named plate, said second named plate being provided with a threaded shank rigidly affixed thereto, and said second named plate being also provided with means whereby said threaded shank may be rotated within said hub on said first named plate.

1,632,423. FORCED-DRAFT STOKER. ARTHUR P. STRONG, Chicago, Ill. Filed Jan. 24, 1923. Serial No. 614,515. 8 Claims. (Cl. 110—40.)



1. In a forced draft stoker, the combination with an endless chain grate, of means between the upper and lower grate leads providing a plurality of separate draft compartments opening upward toward the upper lead and downward toward the lower lead so that the latter may carry droppage from the compartments, said compartments having communication whereby forced draft may be supplied to all compartments from one of the same, and means whereby said draft may be initially supplied to one of said compartments.

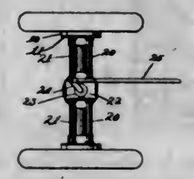
1,632,424. GARMENT. MARK H. STRYKE, Brooklyn, N. Y. Filed Nov. 12, 1926. Serial No. 147,905. 1 Claim. (Cl. 241—12.)



In combination with a garment having a shoulder portion, means attached to the inside of said shoulder portion for retaining the shoulder straps of undergarments in proper relation to the shoulder of the wearer

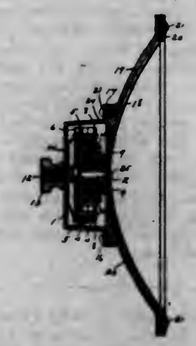
under said shoulder portion, comprising a ribbon carrying near its opposite ends the cooperating parts of a snap fastener the cooperating faces of which parts are on the opposite faces of said ribbon when the ribbon is extended in flat position, said ribbon being sewed near one end to the inside of the shoulder of said garment with the portion of the fastener on that end exposed leaving the remainder of said ribbon free, whereby the free portion of said ribbon may be passed under the shoulder straps of undergarments and the free end of said ribbon must be folded in upon itself when the part of the fastener thereon is brought into cooperative relation with the part of the fastener on the other end of said ribbon.

1,632,425. OIL FRICTION BRAKE. FRED R. YEARY and DON E. YEARY, Santa Ana, Calif. Filed Apr. 6, 1926. Serial No. 100,053. 4 Claims. (Cl. 188—92.)



1. A vehicle brake comprising a housing mounted upon the axle of the vehicle and held against rotation thereon, a gear rotatable within the housing and connected to a wheel of the vehicle so as to be driven thereby, a pinion rotatable in the housing and meshing with the gear, a fluid in the housing, means providing a by-pass having its ends connected to the housing upon opposite sides of the point of engagement between the gear and pinion, means for opening and closing said by-pass, and means for collecting fluid which may leak from said housing and returning it to the interior of the housing.

1,632,426. LOUD-SPEAKING TELEPHONE RECEIVER. GEORGE J. ZISCH, West Orange, N. J. Filed Jan. 23, 1924. Serial No. 687,929. 11 Claims. (Cl. 179—116.)



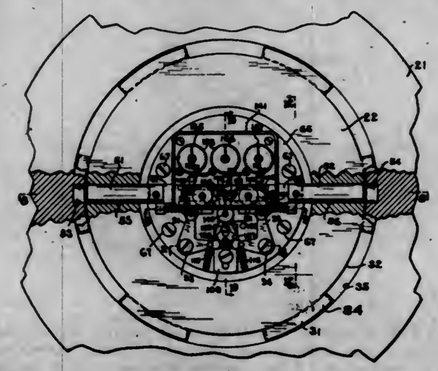
1. In a telephone receiver, the combination of a plane armature diaphragm and a spherically concave secondary diaphragm, a spacing member connecting the centers of said diaphragms, a supporting member located between said diaphragms and forming therewith two connected air chambers of uniform thickness conforming in shape respectively with adjacent faces of said diaphragms.

1,632,427. VEHICLE WHEEL. CHESTER B. ALLEN, Memphis, Tenn., assignor of one-half to William H. Russe, Memphis Tenn. Filed Mar. 28, 1922. Serial No. 547,439. 20 Claims. (Cl. 301—63.)



1. A dished wooden disk for vehicle wheels having a flat central portion and an annular reversely curved zone surrounding said central portion, there being a block secured to the wheel on the convex side of the dish, said block fitting over the central flat portion of the wheel and the adjacent portions of said curved zone.

1,632,428. SAFE-LOCKING MECHANISM. WILLIAM T. BENHAM, Norwood, and JOHN E. DWYER, Cincinnati, Ohio, assignors to The Hall's Safe Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 16, 1924. Serial No. 713,770. 13 Claims. (Cl. 109—3.)

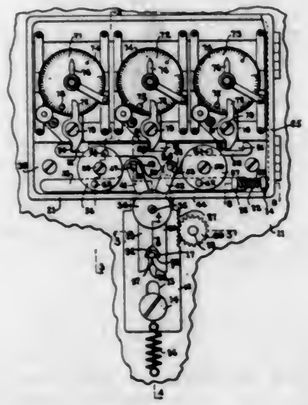


1. The combination with time mechanism, of oppositely movable bolts, oppositely operating bolt-moving elements, and time-lock actuated releasing mechanism for the latter comprising oppositely moving retaining parts moving in opposite directions into holding relation for holding said bolt-moving elements in locking relation and in opposite directions for releasing relation for releasing said bolt moving elements, and said time mechanism having operative connection with said releasing mechanism.

1,632,429. TIME-LOCK MECHANISM. WILLIAM T. BENHAM, Norwood, and JOHN E. DWYER, Cincinnati, Ohio, assignors to The Hall's Safe Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 16, 1924. Serial No. 713,771. 8 Claims. (Cl. 70—26.)

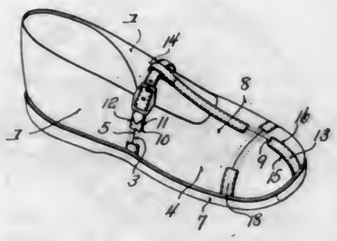
1. In time lock mechanism, the combination of clock mechanism, a bolt-works part, oppositely movable connected operating parts, said clock mechanism comprising

means for automatically operating said connected operating parts, and holding means for said bolt-works part, said oppositely movable operating parts having operative



connection with said holding means, said oppositely movable operating parts movable in opposite directions for automatically actuating said holding means for release relation in said holding means.

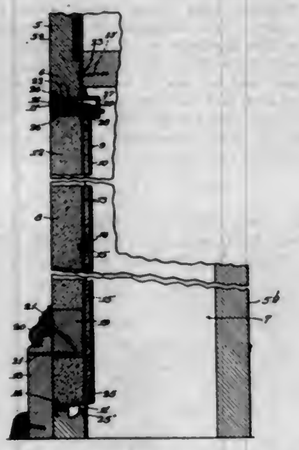
1,632,430. CHILD'S SHOE. THOMAS W. BROCKEL and PAUL F. EBLING, Milwaukee, Wis. Filed July 23, 1925. Serial No. 45,583. 1 Claim. (Cl. 36—45.)



A shoe comprising a sole, an upper secured thereto, and having a rear portion and a forward portion contacting with each other in an abutting manner, and a buckle strap placed over said abutting portions and stitched flatly to said portions, said forward portion being composed of two half blanks having abutting edges approximately centrally of the shoe, and a longitudinally extending strap overlapping the abutting central portions and stitched thereto, each of said half blanks having a rear portion and a front cap portion arranged in abutting relation, and a third strap extending transversely across the joint between the front cap portion and the rear portion and stitched flatly over such joint.

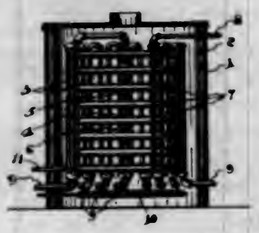
1,632,431. WALL PANEL. ROBERT M. BROWN, Chicago, Ill., assignor of forty-five one-hundredths to Alexander Pow, Glencoe, Ill. Filed Mar. 13, 1926. Serial No. 94,460. 7 Claims. (Cl. 72—40.)

1. The combination of a wall having an opening therein, a frame for said opening, means for anchoring said frame in place, and a panel for closing said opening comprising a frame having an edge member and a back member, a filler of wall material in said frame, means for anchoring said filler in said frame and means operable



by one movement to secure said panel in place and operable by another movement to eject said panel from said opening.

1,632,432. OIL-GAS APPARATUS. EDWARD CAMERON, New York, N. Y. Filed Apr. 4, 1925. Serial No. 20,870. 3 Claims. (Cl. 48—94.)

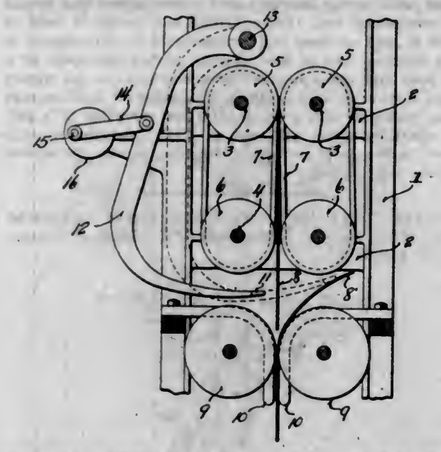


1. In oil gas making apparatus, the combination of a series of superimposed gas generator sections, each having a substantially horizontally arranged passage formed therein for the passage of fluid, the outlet of one section being in communication with the inlet of the section above it whereby fluid may flow through said sections in series; the lowermost section having a fluid inlet and the uppermost section a fluid outlet; a series of vertically arranged gas generator sections surrounding the first mentioned series of sections, said vertically arranged generating sections being connected alternately at their lower and upper ends; the first of said vertically arranged sections being in communication with the oulet of the upper horizontal section; and means for heating said horizontal and vertical sections.

1,632,433. MACHINE FOR SUPERIMPOSING PAPER SHEETS. PETER JOSEPH CHRISTMAN, Jr., Green Bay, Wis. Filed Mar. 17, 1926. Serial No. 95,275. 2 Claims. (Cl. 270—58.)
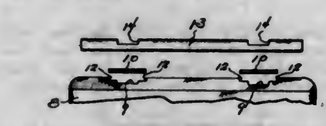
1. Mechanism for superimposing sheets comprising two pair of spaced rollers, belts passing over said rollers and adapted to receive the sheets, said belts having opposed operative stretches diverging towards the delivery end thereof, a second pair of rollers adapted to receive the sheets from said belts, a tucker blade mounted for reciprocation between said second pair of rollers and said

first mentioned rollers and adapted to deflect the rear end of the sheets while they are gripped by said second



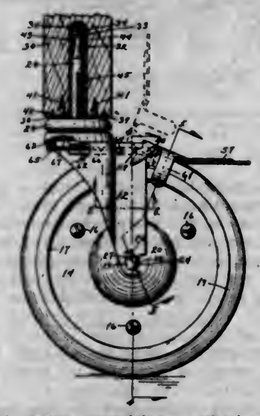
mentioned rollers, and means for oscillating said tucker blade, said second mentioned rollers travelling at a lesser rate than said first mentioned rollers.

1,632,434. LOOSE-LEAF BINDER COVER. CLAUDE M. CONOVA, Kansas City, Kans., assignor to Irving Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Nov. 2, 1925. Serial No. 66,239. 4 Claims. (Cl. 281—29.)



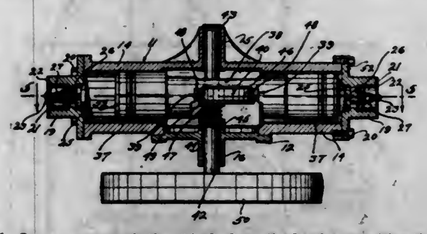
1. A book cover comprising a body member, a U-shaped channel member with a notch cut out of the bight thereof engaged with one edge of said cover, notches formed in said edge of said body member behind the notches of said channel and hinge pins mounted in said body member notches.

1,632,435. SWIVEL CASTER WITH BRAKE AND LOCK. WALTER RALEIGH DARNELL, Long Beach, Calif. Filed Aug. 19, 1926. Serial No. 130,172. 6 Claims. (Cl. 16—35.)



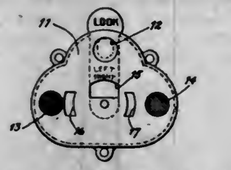
1. A swivel caster comprising a wheel yoke, a stem rising therefrom and a wheel journaled in said yoke, in combination with a brake device comprising a lever pivoted on said yoke and formed between its ends with spaced spring wings adapted to engage and grip opposite sides of the peripheral portion of said wheel.

1,632,436. RECIPROCATING PUMP. LAURITS DINESEN, Minneapolis, Minn. Filed Nov. 27, 1925. Serial No. 71,630. 13 Claims. (Cl. 230—27.)



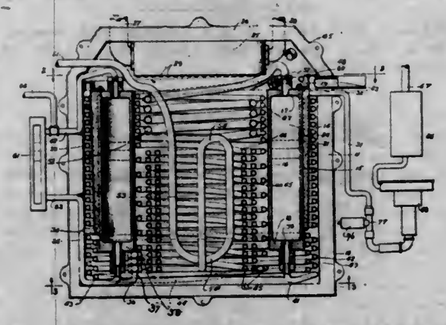
1. In a pump of the kind described, the combination with a casing adapted to contain oil and having a laterally extended cylinder, of a hollow piston working within said cylinder, inwardly opening check valves in the outer end of said cylinder and in the outer end of said piston, and means for reciprocating said piston and for splashing oil within said casing, said casing having an air-discharge port and said piston having an air-discharge port opening from the upper portion thereof and arranged to discharge air into the upper portion of said casing and away from the oil therein contained.

1,632,437. DIRECTION INDICATOR. ANDRO DURCHIN, Kelayres, Pa. Filed Sept. 22, 1921. Serial No. 502,394. 2 Claims. (Cl. 177—327.)



1. The combination of a slotted housing provided with a plurality of openings, with a semaphore arm bearing different signaling indicia arranged in parallel rows one over the other, said openings being arranged to show different signals upon reversal of position of the arm, and means for operating said arm to assume right and left hand horizontal positions.

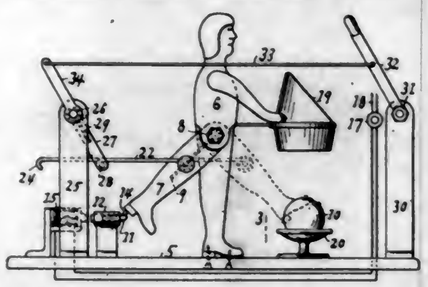
1,632,438. STEAM GENERATOR. WILLIAM B. EWING, Chicago, Ill. Filed Nov. 12, 1921. Serial No. 514,607. 3 Claims. (Cl. 122—169.)



1. A steam generator, comprising a casing, a tank providing an inner flue, and an outer flue in connection with said casing, water coils in the outer flue, flash coils in

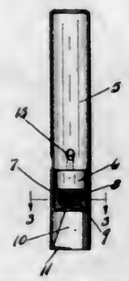
the inner flue, the arrangement of said coils being such that the flow of water through the feed coils is in a reverse direction to the flow of steam in the flash coils.

1,632,439. FOOTBALL-PLAYING DEVICE. ANDREW B. FOANS, New York, N. Y. Filed Dec. 8, 1926. Serial No. 153,224. 6 Claims. (Cl. 46—40.)



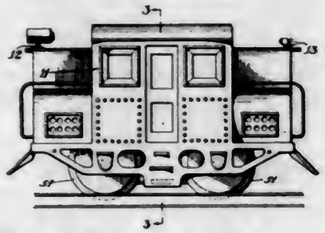
1. In a foot ball playing device the combination with a figure representing a player having a spring propelled swinging leg adapted to kick a ball, means for locking the leg in its retrograde position, and means including a link pivoted to a leg controlled by the operator coacting with the propelling means normally out of action when the leg is locked brought into action when the leg is unlocked for moving the leg backward after it has struck the ball.

1,632,440. CLEAN-OUT ROUTER BIT. JAMES M. FOLLETT and LOUIS LEHNER, Bay City, Mich. Filed Dec. 11, 1925. Serial No. 74,729. 4 Claims. (Cl. 144—136.)



1. A router bit comprising a shank, the lower end of which forms a cutter, a collar revolubly mounted on said shank directly adjacent the cutting end, said collar being of the same diameter as the cutting end.

1,632,441. TOY SET. JULIUS FORCHHEIMER, Newark, N. J. Filed Apr. 24, 1926. Serial No. 104,250. 8 Claims. (Cl. 105—49.)



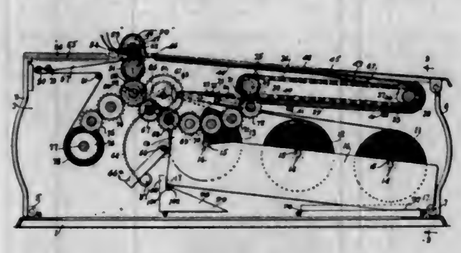
1. A set of toy parts comprising an electric motor, a plurality of casings in each of which the motor may be mounted, each of said casings comprising a pair of sections provided with means for securing the two sections of the pair together and said sections being further provided with motor bearings and motor supporting means so constructed and arranged that said motor is held in place in said sections and is removable by detachment of said sections, one of said casings having the form of a car body and being provided with bearings for car wheels to be driven by said motor and another of said casings being provided with a bearing for the reception of a pulley shaft, whereby said motor, when mounted in said other casing, may supply mechanical power to devices outside said casing.

1,632,442. GOLF BAG. WILLARD T. GRUBB, Springfield, Ill. Filed Dec. 21, 1925. Serial No. 76,693. 6 Claims. (Cl. 150—1.5.)



1. A golf bag provided with a ball carrying pocket extending transversely thereof within its open end, the pocket defining spaced compartments for the storage of clubs and terminating a short distance inwardly from the open end.

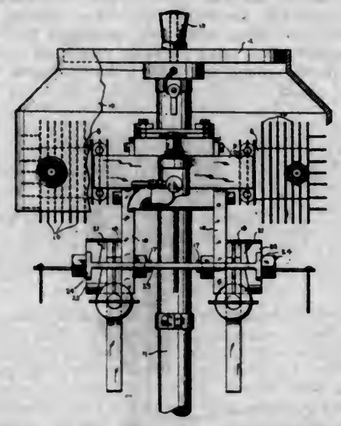
1,632,443. AUTOGRAPHIC REGISTER. PHILIP A. JACKSON, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 26, 1924. Serial No. 758,074. 23 Claims. (Cl. 282—16.)



1. In an autographic register having a writing table, means for supporting a plurality of rolls of paper from which sheets can be withdrawn, means to align said sheets progressively near the point of departure from the supply rolls, co-operating means for disengaging the aligning means from the sheets and drawing said sheets along to deliver the sheets upon the writing table.

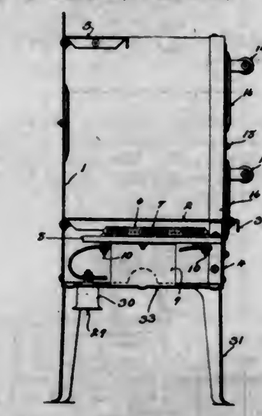
1,632,444. ROWBOAT MOTOR. ALBERT P. KNAUBER, Milwaukee, Wis. Filed Jan. 11, 1926. Serial No. 80,539. 6 Claims. (Cl. 115—18.)

1. In a motor propeller for boats, the combination of an engine, a pair of mounting brackets each pivotally connected with the engine and adapted for attachment to a boat, the pivotally mounted portions of said brackets having cam faces, and a manually operable locking member having complementary cam faces engaging said first-



mentioned cam faces and movable to wedgingly engage the same to prevent movement between the engine and said brackets.

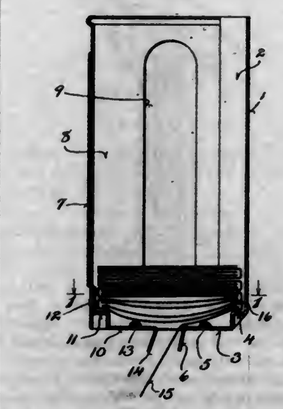
1,632,445. TOY ELECTRIC RANGE. REMUS KOENIG, Two Rivers, Wis., assignor to Metal Ware Corporation, Two Rivers, Wis. Filed Oct. 30, 1926. Serial No. 145,228. 2 Claims. (Cl. 219—35.)



2. A toy electric range comprising a body portion having a bottom plate and a back plate and a top plate, a shell positioned within said body portion and having a top and a bottom spaced from the top and bottom of said body portion, said shell having a back plate provided with flanges engaging the main portion of the shell and provided with tongues engaging the back plate of said body portion, and a heating element located intermediate the top and bottom of said shell, a heating element located below said shell, and a box-like protecting member surrounding the intermediate heating element.

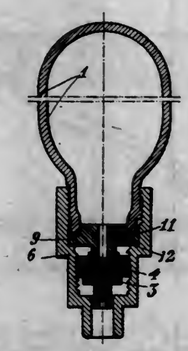
1,632,446. DISPENSING CABINET. HERMAN W. KRUEGER, Green Bay, Wis., assignor to Northern Corrugating Co., Green Bay, Wis., a Corporation of Wisconsin. Filed Oct. 17, 1925. Serial No. 63,064. 1 Claim. (Cl. 211—29.)

A dispensing cabinet comprising a vertical body portion adapted to receive interfolded paper sheets, a bottom portion carried thereby and having ledges at opposite sides adapted to receive the folded edges of the sheets and to thus support the stack, said bottom portion having its major part spaced downwardly from such ledges



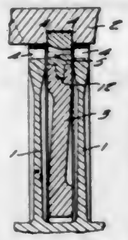
and having a slot provided with rounded edges and extending thereacross for the discharge of the sheets, said bottom having a pair of ribs projecting upwardly and spaced from the edges of the slot and from said ledges.

1,632,447. DEVICE FOR CLOSING COMPRESSED OR LIQUID GAS CYLINDERS. LOUIS LEMOINE, Paris, France, assignor to Société Anonyme d'Applications des Gaz Liquéfiés, Paris, France, a Limited Joint Stock Company of France. Filed Mar. 8, 1923, Serial No. 623,605, and in France Apr. 20, 1922. 2 Claims. (Cl. 220—3.)



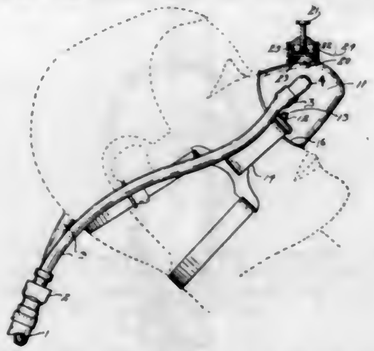
1. In a device for closing cylinders for compressed or liquefied gas, the combination with the cylinder and the closing cap therefor, of an internally screw-threaded socket, adapted to be screwed on an outer thread provided at the end of the cylinder thus constituting a joint with said cylinder, said socket terminating in an annular portion coaxial with the socket and adapted to provide the required joint for the filling and discharging of the cylinder, said socket having a reduced inner diameter towards its free end, said closing cap being screwed onto a threading provided within said socket between the end of the cylinder and the free end of said socket and adapted to close the mouth of the cylinder, the reduced inner diameter of said socket forming an abutment for said closing cap, preventing it from being completely removed.

1,632,448. STATIONARY GUIDE-NOZZLE CONSTRUCTION AND ASSEMBLY FOR TURBINES. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed July 17, 1924, Serial No. 726,458, and in Austria July 26, 1923. 5 Claims. (Cl. 253—78.)



1. In a multistage disc wheel turbine a casing element having an annular guide groove formed on the interior thereof, and a diaphragm and nozzle unit disposed in the plane of the groove and separating two adjacent rotating wheel elements, comprising an inner disc member and an outer ring of individual abutting nozzle elements forming the stationary guide means and carried on the disc periphery and pins adapted to secure said nozzle elements to the diaphragm, said nozzle ring having its outer peripheral edge disposed in and guided by the groove in the casing element and the unit including the nozzle elements being radially relatively separable from the casing element and said guide nozzle elements being radially relatively separable from the diaphragm member.

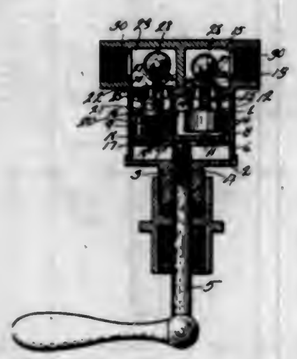
1,632,449. MASK. ELMER I. MCKESSON, Toledo, Ohio. Filed July 17, 1924. Serial No. 726,476. 3 Claims. (Cl. 128—195.)



3. A mask having a pliable unitary inelastic body providing an opening, there being a flexible elastic web integral with said body and continuous from both the inner and outer walls of the mask body and inwardly extending from the body at said opening for restricting said opening effective extent, said web being held by the body against curling and in mask use upon the face of a patient being directed by the body into flat adherent position over the patient's face as a marginal seal for the mask.

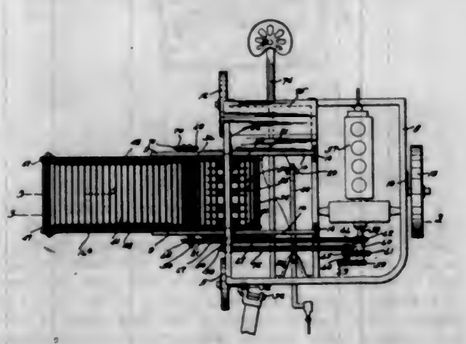
1,632,450. MIXING VALVE. GEORGE J. MORRIS, Omaha, Nebr., assignor to George E. Morris, Los Angeles, Calif. Filed Dec. 23, 1925. Serial No. 77,167. 2 Claims. (Cl. 277—18.)

1. A mixing valve comprising a casing having a mixing chamber therein, a wall at one side of said chamber and having ports therein in communication with the mixing chamber, said casing having intake chambers on the other side of the wall in communication with the mixing chamber through the ports, disc valves cooperating with valve seats carried by the wall in the ports, an inwardly and outwardly movable bar within the mixing chamber, one of said disc valves being adjustably connected to the bar, the other disc valve being yieldably connected to the bar whereby it will remain seated for a limited length of time



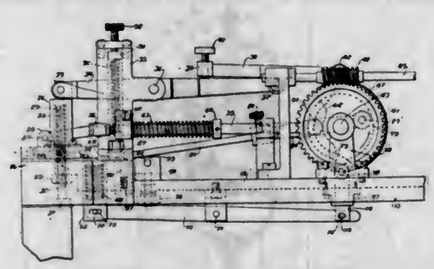
upon outward movement of the bar and other disc valve, a handle member connected to the bar, ball valves within the intake chambers, valve seats around the ports through the wall and within the intake chambers and with which the balls cooperate valve seats around the ports of supply to the intake chambers, and adjustable members carried by the disc valves and cooperating with the ball valves through the ports and normally maintaining the same unseated.

1,632,451. QUACK-GRASS DIGGER. ELMER PITCHER, Minneapolis, Minn., assignor to Pitcher Quack Grass Digger Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 26, 1925. Serial No. 77,747. 7 Claims. (Cl. 97—10.)



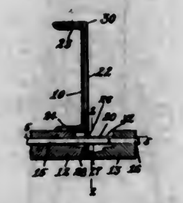
1. In a machine of the kind described, means for turning up the earth and weeds, a primary conveyor receiving the upturned earth and weeds, said primary means having openings permitting the precipitation of the earth therethrough, a secondary conveying means receiving from said primary conveying means and spaced therefrom to permit the downward discharge of large rocks and the like, a rotary beater working over said primary means, and means for imparting vertical shaking movements to the operative portion of the secondary conveying means.

1,632,452. MACHINE FOR FOLDING THE CORNERS OF BOOK COVERS. CARL G. ROLINE and CHARLES NORBE, Chicago, Ill. Filed June 10, 1922. Serial No. 567,265. 9 Claims. (Cl. 154—41.)



1. A machine for folding round corners of book covers, embodying means for holding the work, a shaper adapted to coincide with the corner, two separate folding means operating upon the work and transversely to each other, and means for withdrawing the shaper at a predetermined time in the cycle of operation of the machine, the said holding means embodying a reciprocable clamping element, said element supporting the said shaper for movement therewith and with respect thereto, portions of the work engaging surface of the said element being cut away to prevent pressure upon the portion of the material which has not been completely folded.

1,632,453. BUILDING CONSTRUCTION. THOMAS ROWAN, Brooklyn, N. Y., assignor to Structural Gypsum Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 3, 1925. Serial No. 20,555. 8 Claims. (Cl. 72—68.)



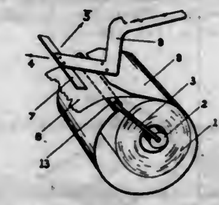
2. The combination with a floor beam, of a pre cast ceiling slab of plastic material provided with a slot in the end thereof, a device embedded in the slab and extended into said slot, and means attached to the floor beam and engaging said device within the slot for suspending the slab below the floor beam.

1,632,454. METHOD OF CANNING MEATS. CARL A. SAHLBERG, Chicago, Ill. Filed June 17, 1926. Serial No. 116,745. 2 Claims. (Cl. 99—8.)

1. A method of canning meat consisting in initially searing the meat and packing it loosely in cans, sealing the cans and then placing them in a retort for a period of time necessary to complete the cooking action of the meat within the cans.

1,632,455. SANITARY TOILET COVER. WILLIAM STELZER, Chicago, Ill. Filed Nov. 24, 1926. Serial No. 150,511. 1 Claim. (Cl. 4—247.)

In a device of the class described a sheet metal helical casing formed of one piece and open at the sides, a paper roll incased in said casing provided with resilient arms attached to the casing to permit the roll to be removed from the casing, a bracket secured to the under side of

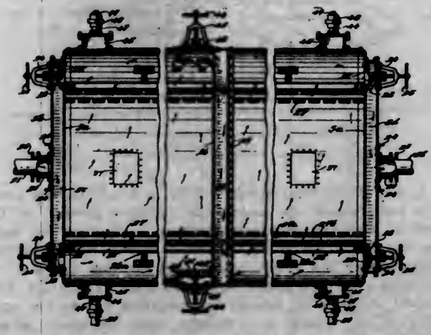


the toilet seat, said bracket having a cutting bar attached to the forward edge, and means for attaching the helical casing to the bracket.

1,632,456. METHOD OF FORMING PAVING COMPOSITIONS. CHARLES SWAN, Long Beach, Calif. Filed Aug. 17, 1925. Serial No. 50,853. 4 Claims. (Cl. 106—31.)

1. A method of forming paving compositions which comprises: separately preheating naturally fluent asphalt, showing a penetration of about .40 to .75 under conditions which result in a pentration of only about .35 in the case of Trinidad asphalt, and diatomaceous earth to temperatures about 300° F., the diatomaceous earth being heated to a higher temperature than the asphalt and incorporated therewith in proportion between 5% and 35%; separately preheating an aggregate mixture to a temperature above 300° F.; and mixing the resultant asphaltic-diatomaceous earth mixture with said aggregate mixture at an elevated temperature.

1,632,457. GAS-PURIFYING APPARATUS. CHARLES I. TENNEY, Ames, Iowa, and PAUL W. THAYER, Minneapolis, Minn.; said Thayer assignor to American Gas Construction Company, Newton, Iowa, a Corporation of Iowa. Filed Aug. 28, 1925. Serial No. 53,170. 12 Claims. (Cl. 183—46.)

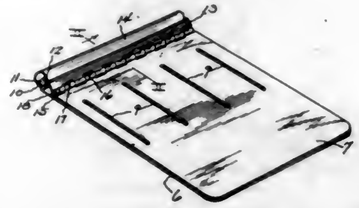


1. A gas purifying apparatus having in combination, a cylindrical casing, trays extending across a chord of said casing, said trays comprising spaced series of spaced slats adapted to support gas purifying material, the openings between adjacent slats in one series being staggered with the spaces between adjacent slats in the other series and means for rotating said casing to reverse the position of said purifying material.

1,632,458. FILTER AID AND PROCESS OF MAKING SAME. HARRY S. THATCHER, Los Angeles, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed July 29, 1925. Serial No. 46,850. 7 Claims. (Cl. 210—208.)

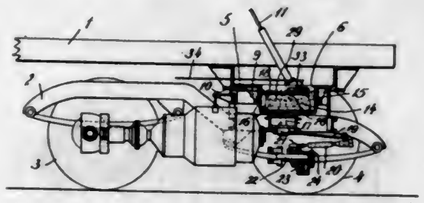
1. A filtering material comprising not more than 50% nor less than 15% by weight of particles which settle in distilled water at 20° C., at a rate of and greater than about 0.36 cm. per minute.

1,632,459. LOOSE-LEAF HOLDER. RICHARD M. VAN VALKENBURGH, Kansas City, Mo., assignor to Irvingpitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed July 3, 1925. Serial No. 41,378. 7 Claims. (Cl. 129—37.)



1. A loose-leaf holder comprising a back, leaf-clamping means supported by said back, a pivot pin interposed between said back and said leaf-clamping means and resilient means for maintaining said back and leaf-clamping means in direct sliding engagement with said pivot pin, the ends of said back and leaf-clamping means adjacent said pivot pin adapted to abut and limit movement therearound.

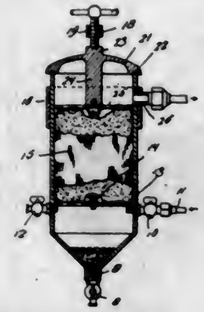
1,632,460. STEERING MECHANISM FOR VEHICLES. OLIVER F. WARHUS, Albany, N. Y., assignor to Versare Corporation, a Corporation of New York. Filed Apr. 17, 1925. Serial No. 23,794. 2 Claims. (Cl. 280—81.5.)



1. A vehicle comprising a body, a truck having front and rear wheels on which the forward portion of the body is pivotally mounted, steering mechanism for turning the front wheels of the truck, means for preventing swiveling of the truck beyond the position in which it occupies a predetermined maximum angular relation with respect to the body, mechanism operating during the swiveling of the truck to reversely turn the front wheels toward alignment with the rear wheels and means effective when the truck is in its maximum angular relation with respect to the body to limit turning of the front wheels in the direction tending to cause the truck to swivel beyond said maximum angular position.

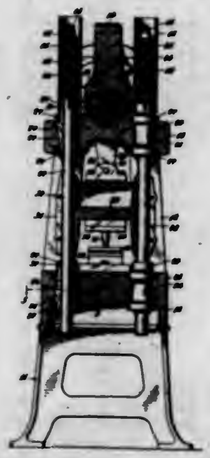
1,632,461. OIL FILTER. WILLIAM GORDON BURHANS, Kingston, N. Y. Filed Nov. 2, 1926. Serial No. 145,829. 1 Claim. (Cl. 210—165.)

In a filter of the class described, a cylindrical body open at its top, an oil inlet cock extending into the lower portion of the body, an air cock extending into the body at a point diametrically opposite the oil inlet cock, said cock being disposed in the same plane, an oil outlet extending from the upper portion of the body, a sediment drain cock arranged within an opening in the extreme lower end of the body, a perforated plate removably disposed within the body and supported on the inner ends of the oil and air cocks, filtering material disposed within the body upon said plate, a cap for the open end of the



body, and means associated with the cap for compressing the filtering material between the perforated plate and the oil outlet.

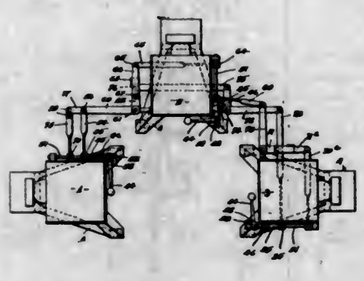
1,632,462. POWER PRESS. ZENAS P. CANDEE, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 1, 1925. Serial No. 27,214. 11 Claims. (Cl. 78—36.)



1. In a power press, a frame having a bed and a head located above the bed in spaced relation thereto, bearings carried by the head, bearings carried by the bed and alined with the respective bearings of the head, a gate between the bed and head, a plurality of guide rods, and means to fixedly secure the guide rods to the gate intermediate the ends of the rods, the rods having their ends projecting above and below the gate and being movable in the respective bearings.

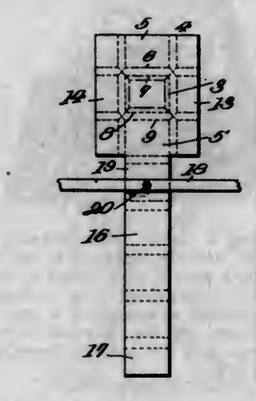
1,632,463. TRIPLE TANDEM-PRESSING-MACHINE MECHANISM. ALBERT B. CLISSON, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 731,039. 6 Claims. (Cl. 68—9.)

1. The combination of more than two pressing machines arranged in series, each machine comprising cooperating pressing elements, one of which is movable toward and from the other, a power member connected to the movable element for applying pressure thereto and means for effecting the application of power to the power member including a manually operable part, and connections between said parts of all the machines whereby



the operation of said part of any one machine of the series operates the corresponding part of the next machine in the series to open the same, and the operation of such part of the last machine of the series to close the last machine operates the part of the first machine of the series to open it.

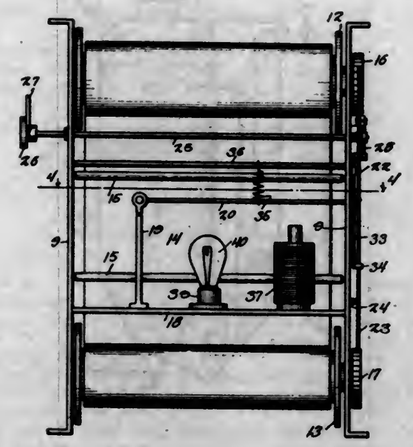
1,632,464. RAILWAY SIGNAL TORPEDO. JOHN WILEY EDMANDS, Newton, Mass. Filed Mar. 18, 1926. Serial No. 95,707. 8 Claims. (Cl. 246—487.)



1. A railway signal torpedo comprising a blank having a substantially square head adapted to be folded around an explosive tablet, and an integral projecting stem portion of a length to be wrapped around the folded head for the purpose described.

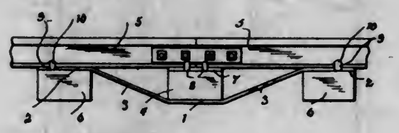
1,632,465. STATION INDICATOR. GEORGE W. FARMER, Oakland, Calif. Filed May 24, 1926. Serial No. 111,459. 4 Claims. (Cl. 40—55.)

1. In a station indicator, an upright frame, reels respectively journaled in the frame at the top and bottom of the latter, a vertically swinging actuating lever pivoted in the frame between said reels and projecting outwardly through one side of the frame, ratchet wheels rigid with the reels outwardly of said side of the frame, a pair of pawls pivoted to the projecting end of the actuating lever and extending to the respective ratchet wheels, yieldable means to normally swing the pawls toward and in operative relation to the respective ratchet wheels,



and manually operable means for swinging either desired pawl to an inoperative position away from the associated ratchet wheel and simultaneously allowing the other pawl to swing toward and in operative relation with the associated other ratchet wheel.

1,632,466. RAILROAD-TIE TRUSS. JOHN E. FEAGANS, Dresden, Ohio. Filed Oct. 26, 1926. Serial No. 144,342. 3 Claims. (Cl. 238—168.)

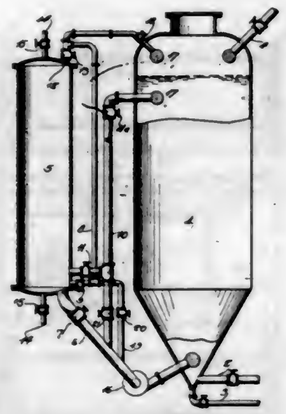


1. A tie truss comprising a metallic strip bent adjacent its center and ends to provide intermediate and end tie engaging portions and other portions connecting the said end portions with opposite ends of the intermediate portion and supporting the end portions in a plane above the plane of the intermediate portion, the said end portions being adapted to be secured upon the upper faces of ties spaced from opposite sides of a tie resting upon said intermediate portion and constituting tie plates upon which rails are to rest.

1,632,467. PROCESS AND APPARATUS FOR MAKING PULP FROM FIBROUS MATERIAL. FREDERICK K. FISH, Jr., San Francisco, Calif. Filed July 15, 1925. Serial No. 43,851. 29 Claims. (Cl. 92—7.)

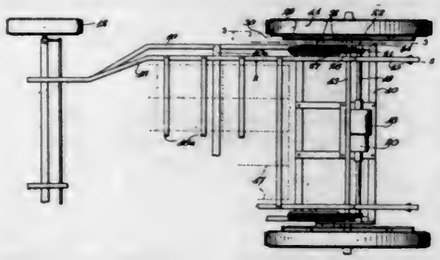
1. The process of making pulp from fibrous material, consisting in removing air from the fibrous material to reduce the pressure therein below atmospheric, then digesting said fibrous material in digesting liquor highly heated and under pressure and with a space above the body of liquor, suddenly reducing the pressure corre-

spondingly in said space and in the liquor and directing the fluid flowing as a result of such pressure reduction into a closed tank, raising the temperature of the fluid in the



tank and thereafter reintroducing the fluid from the tank into the digesting liquor to mix with said liquor for further use in the same cook.

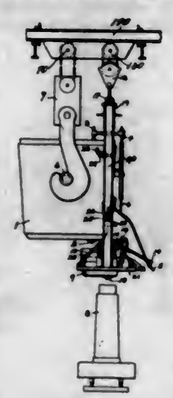
1,632,468. DRIVE GEARING. ANTONIO FONDEVILA, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,381. 6 Claims. (Cl. 74—7.)



1. A drive gearing for a vehicle wheel comprising a drive sprocket, a gear carried by the vehicle wheel, a pinion assembly applied to said gear, a sprocket-wheel assembly carried by the pinion-assembly, an intermediate sprocket-wheel assembly, a chain drive between the drive sprocket and the intermediate sprocket-wheel assembly, a chain drive between the latter and first mentioned sprocket-wheel assembly, and a regulating sprocket-wheel associated with said last mentioned chain drive and geared to the intermediate sprocket-wheel assembly.

1,632,469. METAL-CASTING APPARATUS. ANDREW FORREST and GEORGE MARSHALL SMITH, Chicago, Ill. Filed Oct. 25, 1924, Serial No. 745,804. Renewed Apr. 13, 1927. 6 Claims. (Cl. 22—79.)

1. In a metal casting apparatus, the combination with a traveling crane, and a ladle suspended from the crane and having a bottom pouring nozzle, of a pouring device comprising a carrier suspended from the crane independently of said ladle, a pouring-box on the carrier beneath said ladle-nozzle and having a plurality of pour-



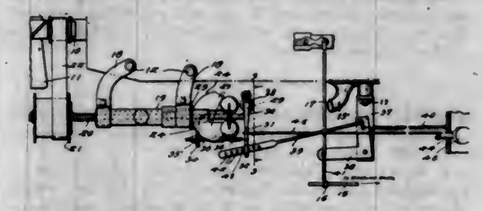
ing passages to supply different molds and a central well in rear of its passages, and independently operated stoppers for said box-passages.

1,632,470. COMBINED MOP AND WRINGER. BARNETT GERSHOVITZ, Canton, Ohio. Filed Jan. 31, 1927. Serial No. 164,733. 1 Claim. (Cl. 15—120.)



A mop including a handle, a link pivotally connected thereto, a holder pivotally connected to the link intermediate its ends, a pair of jaws carried by the forward end of the holder, a loop arranged to be drawn between the jaws for clamping a mop cloth, a lever upon the holder for operating the loop, a crank carried by the handle and a loop upon the crank for receiving the mop cloth.

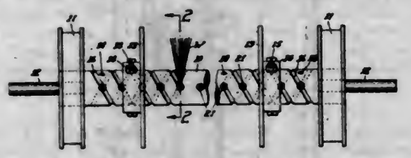
1,632,471. GOVERNOR FOR GAS ENGINES. WILTON A. GIRARDIER and BENJAMIN B. HIBBARD, St. Clair, Mo. Filed June 3, 1926. Serial No. 113,564. 3 Claims. (Cl. 264—3.)



1. An automatic speed regulator for an explosive engine including a governor actuated shaft, gas feeding means including a throttle opening and closing lever,

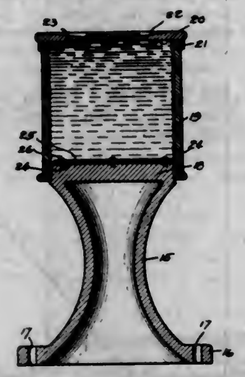
spring means normally urging the lever toward throttle closed position, spring urged means normally engaged with the shaft and operatively connected with the lever for holding the latter in its throttle opened position and arranged to be moved by said shaft, and means for moving said spring urged means away from the shaft whereby to permit the closing lever to be moved toward throttle closed position by said spring means.

1,632,472. WARP-END HOLDER FOR WARP BEAMS. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1926. Serial No. 143,978. 6 Claims. (Cl. 242—118.)



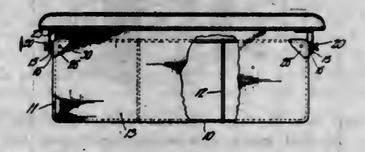
1. In a warp beam, a hollow barrel having passages through the periphery thereof for groups of warp threads, a flexible slack member extending along the interior of the barrel, and a plurality of non-fibrous guides interposed between the flexible member and the groups of warp threads, movement of the flexible member compensating for unevenness in tying the groups to the guides and said guides preventing direct operative contact between the groups and the flexible member.

1,632,473. INK DISPENSER. WALTER R. GREENLAND, Los Angeles, Calif. Filed Oct. 8, 1925. Serial No. 61,343. 1 Claim. (Cl. 221—79.)



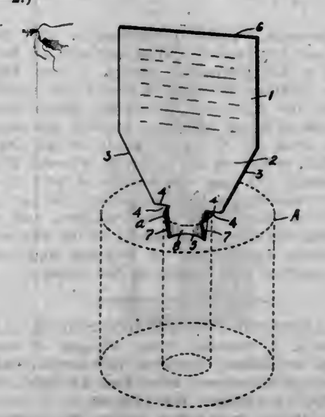
An ink dispenser comprising a vertical support having a flanged base through which fastening members are adapted to be extended for securing the support to a table, said support having its upper end flared to provide a flat topped cylindrical head externally threaded, said head constituting a plunger, an open ended barrel threaded internally for threaded engagement with the head, said barrel threaded externally at its upper end, a cap having a depending flange threaded internally for threaded engagement with the upper end of the barrel, said cap having its upper surface concave to provide a cup portion and having a centrally disposed port through which ink in the barrel is adapted to be supplied to the cup portion when the barrel is rotated to feed downwardly on the head, a thread cleaning member on the flat top of the head and comprising a disk of fibrous material of slightly larger diameter than that of the head, a clamping plate on the disk, and fastening members extending through the plate and disk and into the head for securing the disk upon the latter with its peripheral edge projecting into the threads of the barrel so that when the barrel is rotated, the disk will have wiping engagement with the threads to prevent clogging of the latter by the ink.

1,632,474. AUTOMOBILE WINDSHIELD VISOR. OWEN E. GRIGSBY, Park Ridge, Ill., assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1922. Serial No. 557,216. 1 Claim. (Cl. 296—95.)



In an automobile windshield visor, a visor frame, a yieldable sheet metal corrugated hinge at each end having one portion secured to the frame and another portion for attachment to the automobile top, said top attaching portion being a bent over horizontal concavo-convex plate extension of the frame attaching hinge portion and adapted to seat along its longitudinal outer edges only in intimate contact with a substantially flat face on the supporting member of the automobile top, said plate having fastening screw receiving openings and said plate being yieldable under fastening screw pressure when attached.

1,632,475. DISPLAY CARD FOR TOILET-PAPER ROLLS. FREDERICK W. HOEFLER, Phoenix, N. Y. Filed Jan. 22, 1924. Serial No. 687,744. 1 Claim. (Cl. 40—2.)

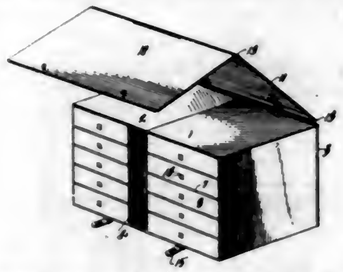


A display card having the opposite edges of its lower end tapered and the tapered edges provided with transverse slits extending inwardly therefrom, the portion below the slits forming resilient wings of greater width at the top than at the bottom and capable of being sprung laterally to enter an opening in the article to be displayed, the walls of the slits above the wings serving as stops to limit the entrance of the card into said article.

1,632,476. STUDENT'S PORTABLE DESK. SAMUEL J. HOLDERMAN and RAY E. CRYDER, Morris, Ill. Filed June 30, 1924. Serial No. 723,289. 4 Claims. (Cl. 45—69.)

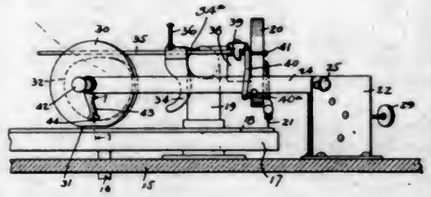
1. In combination, a panel, a pair of chests one hinged at each end of the panel, each chest provided with

a plurality of compartments, drawers in said compartments, auxiliary closure panels hinged together and to the first panel so as to be positioned one on top of the



chest and one in front thereof when they are folded against the first panel, and means for locking the panel in front of the chest to the bottom thereof.

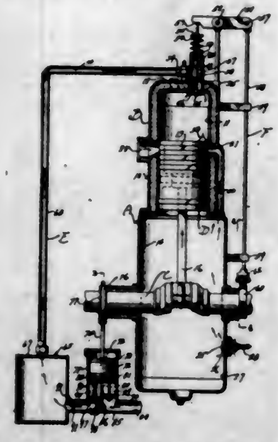
1,632,477. PHONOGRAPH REPEATER. HERMAN HOUSE, Vancouver, British Columbia, Canada. Filed Jan. 5, 1926. Serial No. 79,401. 8 Claims. (Cl. 274—15.)



1. A phonograph repeater comprising an arm adapted to extend over a turntable, a disk rotatable on the arm and having a flat peripheral portion, a cam fixed to the disk for rotation therewith, a second arm secured to a tone arm for movement therewith, means operable by the second arm for initiating rotative movement of the cam to bring the curved periphery of the disk into contact with a record on the turntable whereby the disk and consequently the cam will be rotated with the cam frictionally engaging the arm to actuate the latter and thus return the tone arm to normal position, and means for controlling the rotative movement of the disk so that the flat portion thereof will be returned and held in disengaged position with respect to the record.

1,632,478. INTERNAL-COMBUSTION ENGINE. ALFRED W. HUBBELL, Bartlesville, Okla., assignor of one-half to Phillips Petroleum Company, Bartlesville, Okla., a Corporation of Delawnre. Filed June 11, 1926. Serial No. 115,322. 6 Claims. (Cl. 123—69.)

3. In an internal combustion engine the combination of an engine housing having a cylinder chamber therein, a crank shaft rotatably supported by the engine housing, a piston in the cylinder chamber, means connecting the crank shaft with the piston for reciprocation in the cylinder chamber, said housing having oppositely disposed air inlet and exhaust ports communicating with the cylinder chamber intermediate the ends thereof and adapted to be uncovered only at the inner end of the piston stroke, said cylinder chamber having an elongated fuel inlet passageway in the outer end thereof, a valve stem slidable in said fuel passageway having a control head adapted to seat over the inner end of the passageway to close the same off from the cylinder chamber and having a piston member slidable in the passageway in spaced relation with the head, a conduit connected in communicating relation with the passageway between the piston member of the valve stem and the valve head, spring means normally acting to seat the valve head to close the passageway off from communication with the cylinder chamber, a cam on the crank shaft at one side of the connection of the same with the piston, means carried by the housing operated by the cam for operating the valve, a fuel storage tank in which the conduit above mentioned is connected, a pump for pumping fuel into the fuel storage tank, cam means carried by the crank



shaft at the opposite side of the piston from the valve operated cam above mentioned for operating said fuel pump, and check valve means in the engine housing for operation upon the upstroke of the piston to draw air into the housing at the opposite side of the piston from the fuel inlet passageway, said air being compressed on the down stroke of the piston for port feed thru air inlet port when the latter is uncovered by action of the piston.

1,632,479. LAWN TRIMMER. AUGUST HUBERTY, Canton, Ohio. Filed June 2, 1925. Serial No. 34,326. 5 Claims. (Cl. 56—241.)



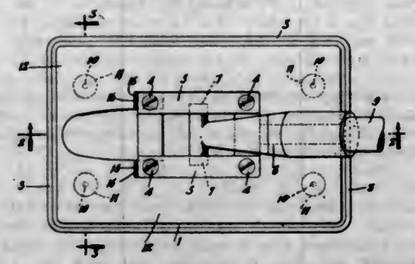
1. A lawn trimmer including a shoe, a handle connected to the rear end of the shoe, a fixed shear blade upon the forward end of the shoe, a movable shear blade pivotally connected to the forward end of the shoe and cooperating with the fixed blade, a link connected at one end to the free end portion of the pivoted blade, a spring arm directly connected at its free end to the other end of the link for normally holding the pivoted blade in open position and means directly connected to the spring arm for operating said link to close the pivoted blade.

1,632,480. PITMAN BOXING. HARRY L. HUNT and LINCOLN A. HUNT, Bigelow, Mo. Filed Mar. 20, 1926. Serial No. 96,265. 5 Claims. (Cl. 287—93.)



1. In combination with a wrist pin and pitman rod, of a two part bearing, a yoke-shaped frame supporting the bearing in wrist pin embracing position, a removable yoke in the open end of the frame, an adjusting rod connected to the removable yoke and said pitman rod and in movable relation to one of said bearing's parts, and means for moving the adjusting rod and frame relative to each other whereby to tighten said bearing and take up on the pitman rod.

1,632,481. WAXER AND POLISHER. JOSEPH S. JUDGE, Brooklyn, N. Y. Filed Mar. 26, 1925. Serial No. 18,648. 1 Claim. (Cl. 15—114.)



A brush comprising bristles, a base for said bristles, a casting secured to said base, a handle pivotally secured to said base by said casting, a removable weight on said base surrounding said casting, said handle being of narrow width adjacent the pivotal connection, one side of said weight having a narrow slot, said slot being of a greater width than that of said handle adjacent the pivotal connection to permit of removal of the weight when raised and rotated through an angle of ninety degrees.

1,632,482. SLEEVE PULLER FOR AUTOMOBILES. EUGENE O. KROELLS, Paso Robles, Calif. Filed Sept. 13, 1926. Serial No. 135,261. 1 Claim. (Cl. 29—88.2.)



A sleeve puller comprising a bar, a hammer slidably mounted on the bar, said bar having a hammer-stop on one end, and a hook on the opposite end of the bar from the hammer-stop, in combination with a bracket having an L on one end adapted to rest on the end of the sleeve and a shorter L on the other end of the bracket adapted to fit within the sleeve to hold the bracket against the bar, whereby the hook is held firmly in the sleeve hole.

1,632,483. MANUFACTURE OF HYPOCHLORITES. ROBERT BURNS MACMULLIN, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed Aug. 22, 1925. Serial No. 51,863. 6 Claims. (Cl. 23—86.)

1. The method of producing hypochlorites which comprises treating an aqueous solution containing hypochlorous acid with a tertiary alcohol, separating the tertiary alkyl hypochlorite formed from the aqueous solution, dissolving the separated alkyl hypochlorite in a solvent in which water is soluble and treating the solution of the alkyl hypochlorite with an alkaline substance in the presence of water to form the corresponding hypochlorite.

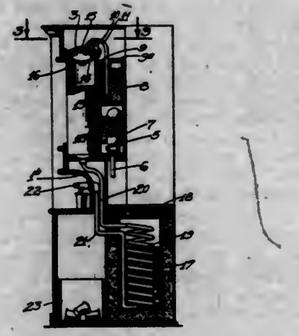
1,632,484. MANUFACTURE OF HYPOCHLORITES. ROBERT BURNS MACMULLIN, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed Aug. 22, 1925. Serial No. 51,864. 8 Claims. (Cl. 23—86.)

1. An improved method of producing basic calcium hypochlorite which comprises treating an alkyl hypochlorite with lime in the presence of water to form a solution containing calcium hypochlorite and substantially free from chlorides and precipitating the basic calcium hypochlorite from this solution with lime.

1,632,485. MANUFACTURE OF HYPOCHLORITES. ROBERT BURNS MACMULLIN, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed Sept. 23, 1925. Serial No. 58,118. 13 Claims. (Cl. 23—86.)

1. The method of producing hypochlorites which comprises treating an aqueous solution containing hypochlorous acid with a tertiary alcohol, separating the tertiary alkyl hypochlorite formed from the aqueous solution, and causing the separated alkyl hypochlorite to react with an alkaline substance to form the corresponding hypochlorite.

1,632,486. BEVERAGE DISPENSER. PAUL MAIWURM, San Diego, Calif. Filed Apr. 29, 1925. Serial No. 26,653. 7 Claims. (Cl. 225—28.)

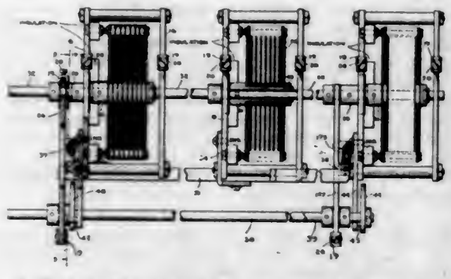


1. In a liquid dispenser, a supporting means, an hermetically sealed mixed-liquid container supported thereby, a diluting-liquid supply tank positioned at the one side near the lower end of said mixed-liquid container, a concentrated-liquid container positioned contiguous to said first mentioned container, conductors communicating with the lower portions of said tank and said concentrated-liquid container and with the upper end of said mixed-liquid container, and check valves at the ends of said conductors extending into said tank and said concentrated-liquid container, said conductors being provided at their ends extending into said mixed-liquid container with orifices adapted to permit the discharge of the liquid in said tank and said concentrated-liquid container to be discharged into said mixed-liquid container in definite predetermined proportions.

4. In a beverage dispenser, a plurality of mixed drink containers arranged vertically and contiguous to each other, a long water tank connected with a source of water supply positioned behind and at the lower portions of said mixed drink containers and provided with a predeter-

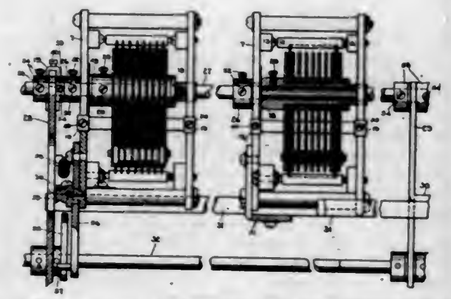
mined water level control valve for supplying water to said tank from said source, a plurality of syrup containers positioned on said water tank, one behind each of said mixed drink containers, conductors connecting the lower portions of said water tank and said syrup containers with the upper ends of each of said mixed drink containers, and check valves at the ends of said conductors extending into said water tank and into said syrup containers, said conductors being provided at their ends extending into said mixed drink containers with orifices of such a size as to provide for the discharge of the water from said tank and the syrup from said syrup containers into said mixed drink containers in definite predetermined proportions.

1,632,487. VARIABLE CONDENSER. RAY H. MANSON, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 16, 1924. Serial No. 693,382. 13 Claims. (Cl. 175—41.5.)



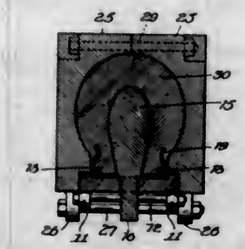
1. In a multi-unit variable condenser, a frame having a plurality of pairs of bearings, a shaft rotatable in one of said pairs of bearings, a plurality of rotor units secured in spaced relation on said shaft, a stator unit secured to said frame in electrical relation to one of said rotor units, a second stator unit movable on said shaft in electrical relation to a second rotor unit, a second shaft movable in a second pair of said bearings for moving said second stator unit to vary the electrical relation between it and its associated rotor unit, and saddles secured to said frame for varying the adjustment of at least one pair of said bearings.

1,632,488. VARIABLE CONDENSER. RAY H. MANSON, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 751,899. 12 Claims. (Cl. 175—41.5.)



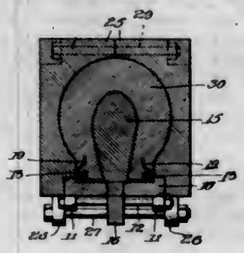
1. In an electrical condenser, a frame provided with two bearings in alignment, a stator unit secured to said frame, said unit consisting of a plurality of spaced metal plates in conducting relation, a hollow shaft mounted in said bearings, a drive shaft mounted within and adjustably coupled to said hollow shaft, and a plurality of spaced rotor plates in conducting relation secured on said hollow shaft, said hollow shaft and its rotor plates being movable with respect to said stator plates.

1,632,489. TIRE. WILLIAM C. MARTIN, Chicago, Ill. Filed Feb. 20, 1922. Serial No. 537,912. 2 Claims. (Cl. 152—1.)



1. A molded integral solid rubber tire having a base-portion adapted to fit between the flanges of a tire rim and having a cylindrical inner surface extending to the lateral surfaces of the base; said tire containing air cells at intervals open at the inner circumference of the tire and adapted to be covered by the rim, said base-portion having a fabric vulcanized thereto and provided with slots registering with said air cells and having out-turned margins embedded and vulcanized in the rubber forming the body of the tire.

1,632,490. METHOD OF MANUFACTURING CUSHION TIRES. WILLIAM C. MARTIN, Milwaukee, Wis. Original application filed Feb. 20, 1922, Serial No. 537,912. Divided and this application filed Nov. 20, 1926. Serial No. 149,663. 2 Claims. (Cl. 18—55.)



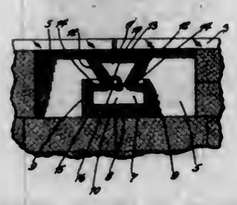
1. The method of making a cushion tire which comprises supporting a fabric provided with slots on a sectional annular base equipped with radiating cavity-cores which project through said slots, placing pieces of rubber upon said fabric and about said cores and lodging the margins of said fabric in the rubber, applying a mold to the structure, subjecting the structure in the mold to vulcanizing action, and removing the mold and sectional base.

1,632,491. FLOATING DRY DOCK. PAUL MATTHIESSEN and ADOLF DETLEF MÖLLER, Hamburg, Germany. Filed May 12, 1926, Serial No. 108,627, and in Germany May 18, 1925. 7 Claims. (Cl. 114—46.)



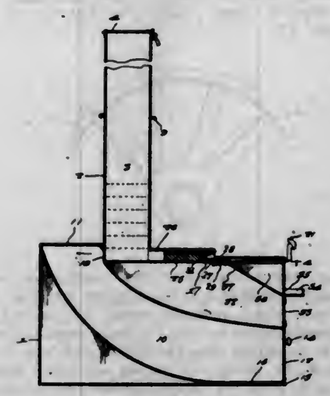
1. A floating dry dock having longitudinal box-like sides and a similar bottom, the box-like bottom being divided at the longitudinal center plane to form two independently buoyant sections, characterized by this that each section is provided with fingers and between the fingers with recesses in the upper part of the box-like bottom, the fingers of one section being adapted to enter the recesses of the other section, so that the two sections engage one another like two combs at a certain height above the floor of the box-like bottom.

1,632,492. HUMIDIFIER FOR OVENS. SALLY MAYER and HERMANN NAHRSTEDT, St. Louis, Mo. Filed Mar. 15, 1926. Serial No. 94,707. 5 Claims. (Cl. 107—64.)



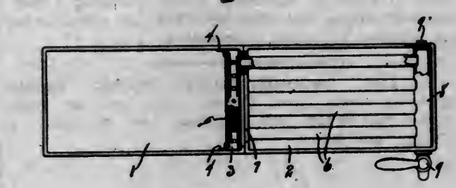
1. In a bake oven, the combination with a fire chamber and an oven with an intermediate horizontally disposed wall therebetween, of a chamber formed in said wall, a humidifying device mounted in said chamber comprising a trough portion and a dome portion with intermediate outlet passages, a spray pipe connected into said humidifying device, and means for controlling the supply of liquid to said spray pipe.

1,632,493. COIN-CONTROLLED VENDING DEVICE. FLOYD JAMES MCFARLAND, West Point, N. Y. Filed Oct. 24, 1925. Serial No. 64,636. 1 Claim. (Cl. 211—8.)



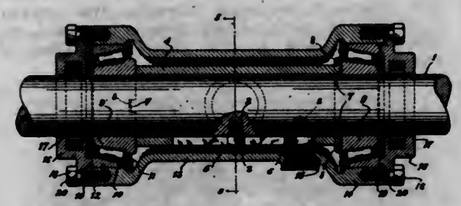
A vending device comprising a casing body, a delivery chute therein, a support in the casing body for superposed articles of commodity and extending to the upper wall of the chute at the upper end of said wall, a container for said articles having its lower end open and spaced above said support and also having its rear wall spaced above said upper end of the chute wall, a wall extending forwardly from the lower end of the forward wall of the container and spaced above said support to form therewith a housing, an ejector movable rectilinearly between the support and said forwardly projecting wall and having a rear comparatively thick portion and longitudinal channels in the upper side of said portion and also having a forward low comparatively thin portion and a handle at the forward end thereof, retractile springs for returning the ejector to normal position, said springs resting in the longitudinal channels in the ejector and connected at their forward ends to said forwardly projecting wall and at their rear ends to the rear end of the ejector, and a swingable member disposed below the rear wall of the container and hingedly connected with the casing body and adapted to gravitate to closed position at the rear end of the support.

1,632,494. MILK COOLER. GARRETT V. MILLAR, Fort Worth, Tex. Filed June 7, 1924. Serial No. 718,679. 2 Claims. (Cl. 31—4.)



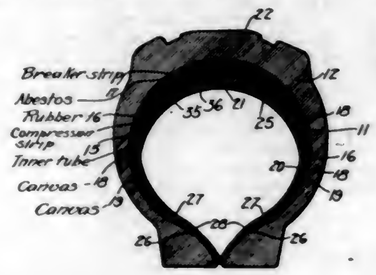
1. A milk cooler comprising a strainer compartment for storing the milk to be strained provided with an inclined bottom, a cooling compartment for containing cooling elements, a strainer in said strainer compartment adjacent to said cooling compartment, inclined pipes in said cooling compartment and connected to said strainer, and a discharge pipe in said cooling compartment and connected to all of said inclined pipes and projecting out of said cooling compartment.

1,632,495. ANTIFRICTION BEARING DRIVE AND HANGER BOX. GEORGE LEE MILLER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Dec. 10, 1923. Serial No. 679,595. 9 Claims. (Cl. 308—207.)



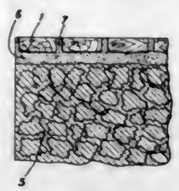
1. In combination with a shaft having an aperture for the reception of a driving lug, a driving sleeve upon the shaft having a keyhole slot for the reception of the driving lug, bearing cones connected to the sleeve, a hanger box surrounding the sleeve and bearing cups mounted in the box.

1,632,496. INTERLINER FOR PNEUMATIC TIRES. RICHARD H. MULLINEAUX, Los Angeles, Calif. Filed Nov. 2, 1921, Serial No. 512,270. Renewed Feb. 4, 1924. 1 Claim. (Cl. 152—18.)



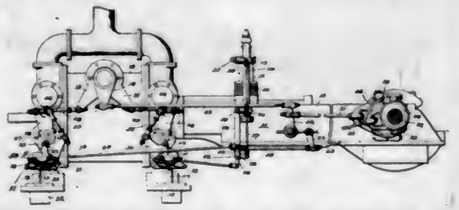
In an interliner for pneumatic tires, the combination of: a liner element adapted to fit within a casing, and a body of partially vulcanized rubber extending circumferentially within said liner, said body of rubber being in a condition of lateral compression.

1,632,497. WOODEN MOSAIC WORK. ERNEST ANTOINE NOËL, Paris, France. Filed Oct. 20, 1925, Serial No. 63,713, and in France Oct. 28, 1924. 1 Claim. (Cl. 94—3.)



An ornamental marquetry comprising a support, a layer of magnesium cement thereon and a number of small flat-faced parts of suitable shape of ornamental materials and chiefly of different woods, pressed into and surrounded on all sides except one with the magnesium cement, with only enough cement projecting between said small parts to anchor them and allow for expansion and contraction caused by atmospheric changes, the cement between said small parts having the same degree of resistance to wear as the small parts and flush on its exterior surface with the uncovered surfaces of the small parts.

1,632,498. VARIABLE-CAPACITY AIR COMPRESSOR. BRUNO V. NORDBERG, Milwaukee, Wis.; Helena C. Nordberg executrix of said Bruno V. Nordberg, deceased. Filed Sept. 8, 1923. Serial No. 661,649. 8 Claims. (Cl. 230—24.)



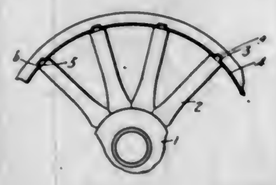
1. The combination of a compressor having inlet and discharge values; a variable cut-off valve arranged to be held to its seat by inlet pressure and to control the flow of gas through the inlet valve; and means for varying the point of cut off of said cut-off valve.

1,632,499. ALARM MECHANISM. ANDRU G. PAPPADAKIS, Detroit, Mich. Filed Dec. 3, 1925. Serial No. 73,023. 6 Claims. (Cl. 116—97.)



4. In a device of the character described; an alarm mechanism having a bell, a hammer to strike the bell, and hammer actuating means, comprising a gear and pinion; and a manually controlled reciprocating device for shifting the relative position of the gear or pinion, whereby they are disconnected from each other and the alarm mechanism rendered inoperative, this device comprising a slide that is actuated from the exterior of the lock and having a yoke portion which during the inward movement of the slide travels in a path at substantially a right angle to the length thereof, and engages a part adjacent to the gear or pinion and imparts axial movement thereto, and a second slide having an operative engagement with the first slide and by means of which the latter is moved in an outward direction.

1,632,500. AUTOMOBILE WHEEL. JOHN HENRY PARTRIDGE, town of Trail, British Columbia, Canada. Filed Sept. 7, 1926. Serial No. 134,088. 3 Claims. (Cl. 301—67.)

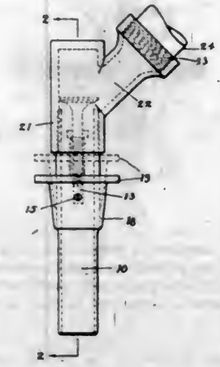


2. In an automobile wheel, the combination with the wooden spokes having a tenoned upper end and a metal rim having a tenon receiving orifice and having an annular flange formed around its outer edge, of a nipple adapted to be driven into the orifice and into the spoke end around the tenon and having a beaded upper edge adapted to fit over the annular flange edge of the orifice when the nipple is driven into position.

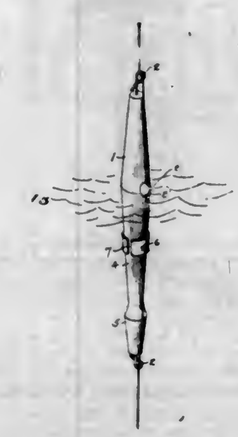
1,632,501. VALVE MECHANISM FOR DISPENSING FLUIDS. NOBLE M. PATRICK and PLEASANT W. HORN, Charlotte, N. C. Filed Apr. 28, 1926. Serial No. 105,186. 4 Claims. (Cl. 251—116.)

2. In a valve, an approximately Y-shaped hollow member, a valve and valve stem mounted in the lower portion of said member and having its seat above the junction point of the lower portion with its branches, sliding

means on the Y-shaped member adapted to actuate the stem to open the valve when a pre-determined amount of pressure is applied to said sliding means, a spider member having a hole therein serving as a guideway for the valve stem, and a coiled spring for closing the valve mounted around the valve stem below the valve.



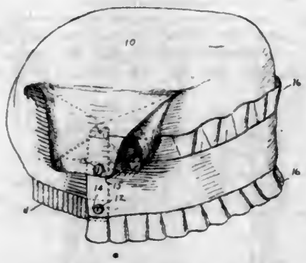
1,632,502. FISHING FLOAT. FRANK J. PECKHAM, Troy, Ohio. Filed Apr. 17, 1924. Serial No. 707,118. 4 Claims. (Cl. 43—49.)



1. In a fishing float, an elongated buoyant body tapered throughout a portion of its length, line guides at its opposite ends, a split spring tapered collar slidingly engaging and conforming to the tapered portion of the body through which the line is passed, the line being clamped in different positions of adjustment by the contraction of the split collar which is placed under tension by the wedging action of the tapered portion of the float, and an enlarged head at the smaller diameter of the tapered portion to insure engagement of the collar and body.

1,632,503. DUST CAP. WARREN POCKMIRE, Charleston, W. Va. Filed June 2, 1925. Serial No. 34,373. 2 Claims. (Cl. 2—198.)

1. A fabric cap including a rectangular body having an elastic strip across one end and secured at its ends thereto, the body being arranged to be folded on its transverse median line, means for detachably connecting the side portions of one end of the body with corresponding side portions of the other end, and means for connecting the intermediate portions of the sides of the body with said ends.

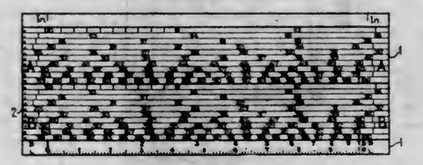


1,632,504. DISPLAY DEVICE. CLARENCE E. PRESTON, Oklahoma City, Okla. Filed Dec. 2, 1924. Serial No. 753,449. 1 Claim. (Cl. 40—17.)



A device of its kind, consisting of a blank having bighted edges for card edge receivers, indicating cards having their edges seated in the bights, a leaf spring at the rear of the cards to press the edges against the forward or front side of the bights, and leaf springs just offset from the bights to press against the front side of the cards, for the purposes set forth.

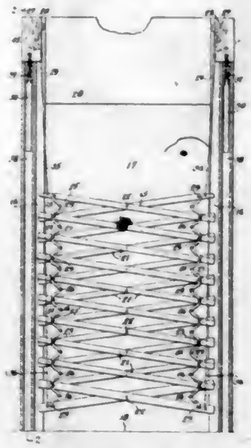
1,632,505. SLIDE RULE. HERMAN RITOW, Chicago, Ill. Filed Apr. 16, 1925. Serial No. 23,483. 5 Claims. (Cl. 235—70.)



1. In a slide rule the combination of a logarithmic scale of ten times the graduated length of the rule, cut into ten equal lengths or folds placed one below the other and numbered successively 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, with a uniformly graduated scale of the graduated length of the rule, said ten fold logarithmic scale corresponding with said uniformly graduated scale so that the logarithm

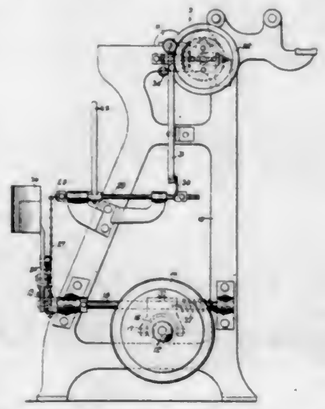
of any reading on said ten fold scale is found by writing after the decimal point the number of the fold followed by the reading of the uniform scale directly opposite the said reading of the ten fold scale.

1,632,506. GATE OR DOOR OPERATING MECHANISM. THOMAS E. ROBINSON, Philadelphia, Pa. Filed Jan. 17, 1924. Serial No. 686,736. 30 Claims. (Cl. 187—51.)



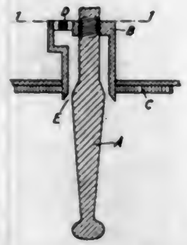
9. The method of operating a collapsible vertically movable gate, which consists in supporting the gate at the top and bottom by counterweighting and operating about interconnected pulleys, the counterweighting for the upper part of the gate being smaller than that of the lower part of the gate and thus collapsing the gate as it is raised.

1,632,507. STOP MOTION FOR WINDERS. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1922. Serial No. 595,417. 5 Claims. (Cl. 33—136.)



1. A winder having, in combination, a measuring roll, driving mechanism therefor, means to make and manually maintain a driving connection to said driving mechanism, and a stopping device effective to disable said manual means and stop said measuring roll while said manual means remains in its normally operative position.

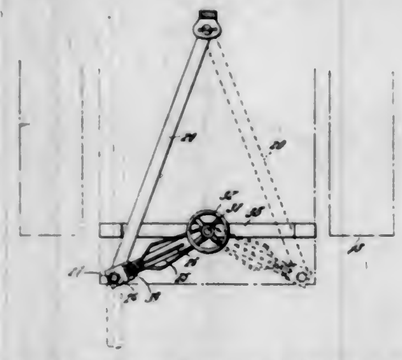
1,632,508. METHOD OF PRESERVING WOOD AND THE LIKE. CARL SCHANTZ, Freiburg, Germany. Filed Jan. 25, 1927, Serial No. 163,517, and in Germany Jan. 16, 1926. 4 Claims. (Cl. 99—12.)



1. Method of preserving wood and the like, which consists in forcing the preserving agent under pressure along a piercing device into the wood, said piercing device remaining in the wood during the forcing in of the preserving agent.

4. In a device for preserving wood, in combination, a solid pointed pin adapted to be forced into the wood, a charging device surrounding the upper projecting portion of said pin and leaving an annular space between itself and said pin through which the preserving agent is adapted to be forced along said pin into the spread apart wood, a non-return valve upon said charging device, and a force pump connected with said valve.

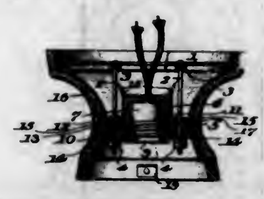
1,632,509. TRACTOR HITCH. WILLIAM E. SCHNITGER, Garden Grove, Calif. Filed Sept. 1, 1926. Serial No. 133,052. 1 Claim. (Cl. 280—33.12.)



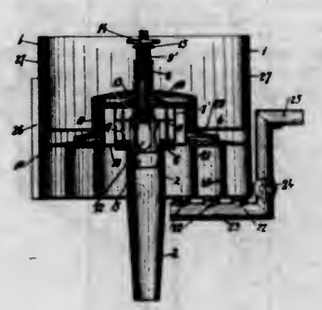
In a device of the class described, a draw bar, a spring held arm pivoted at one end to the draw bar and connected therewith, the arm being movable in a horizontal plane, a stem circular in cross section and rotatable about an axis perpendicular to the arm and engaging the end of the latter, and a retaining and guiding device having one end partly surrounding the stem, and having its other end secured, said guiding device normally holding the end of the arm in locking engagement with the stem, and the arm being movable by the stem and alongside of the latter to release position.

1,632,510. ATTACHING BRACKET FOR LIGHTING FIXTURES. ROY W. SCHWEIKER, Lansdale, Pa., assignor to Franklin Pottery, Lansdale, Pa., a Corporation of Delaware. Filed Mar. 11, 1925. Serial No. 14,662. 7 Claims. (Cl. 240—78.)

2. In an attaching bracket for lighting fixtures, the combination with a base plate, of a one-piece supporting member engaged with the interior of the fixture above the lower end thereof, said fixture having shade holding means disposed below the point of engagement of the supporting member with said fixture, means depending from the base plate which suspends the supporting member, and a lamp socket comprising a base section which carries a lamp receiving metal shell, and a screw threaded ring section which is fastened to the base section through the medium of its screw threads, the supporting member being located between, and clamped by, the sections of said lamp socket, and a cushioning gasket interposed between one of said sections and said member.



1,632,511. DEVICE FOR SEPARATING AND STRAINING LIQUIDS. JARMILA ŠEDIVÁ, Pribram, Czechoslovakia. Filed Jan. 12, 1923, Serial No. 612,241, and in Czechoslovakia Jan. 13, 1922. Renewed May 12, 1927. 5 Claims. (Cl. 210—157.)



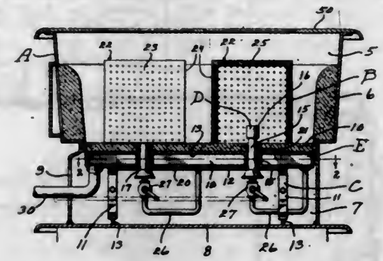
1. In a device of the character described for separating and straining liquids, the combination with a funnel having a discharge stem which projects back into the funnel body, of strainers supported in a vertical position above the level of the stem, a protecting hood supported above the strainers, a valve arranged in the upper end of the stem so that it can be adjusted for regulating the inlet to the same, and an upright tube extending above said hood as a guide and support for the valve.

1,632,512. PULLEY. ADAM A. SERVA, Canton, Ohio, assignor to the United Electric Company, Canton, Ohio, a Corporation of Ohio. Original application filed Sept. 23, 1922, Serial No. 590,113. Divided and this application filed Nov. 3, 1923. Serial No. 672,625. 2 Claims. (Cl. 64—45.)



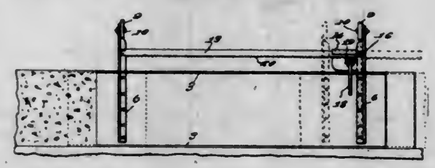
1. A metal shaft with an integral hexagonal portion thereon having a reduced neck substantially the same diameter as the shaft and a hard rubber pulley shell molded upon said hexagonal portion and reduced neck and conforming to the contour of the neck.

1,632,513. GAS BURNER. JOSEPH W. SHARP, Philadelphia, Pa. Filed Oct. 27, 1926. Serial No. 144,556. 5 Claims. (Cl. 126—39.)



1. The combination with a coal burning stove including a fire box and an ash pit provided with a bottom wall, of a gas burner attachment therefor including a supporting bracket arranged in the ash pit and resting upon the bottom wall thereof, a hollow heater supported horizontally by said bracket, a plate of refractory material resting in surface contact upon the upper face of the heater and forming a partition between the fire box and ash pit of the stove, burner tubes extending vertically thru the heater and plate and projecting into said fire box, feed pipes connecting said burner tubes with the hollow heater, and a gas supply pipe connected with the heater and extending from the ash pit of the stove.

1,632,514. WALL-BUILDING DEVICE. GEORGE J. SEILER, Danville, Ill. Filed Jan. 12, 1927. Serial No. 160,673. 8 Claims. (Cl. 25—131.)



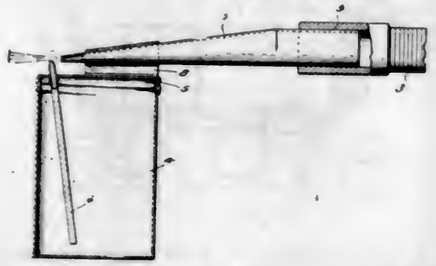
1. A wall building machine, comprising a mold made up of spaced mold boards, a carriage mounted on the mold and normally arranged at one end thereof for closing the mold, and means between the carriage and mold for causing the carriage to move on the mold and the mold to be moved on the carriage.

8. A machine for erecting plastic walls in longitudinal series, comprising a longitudinally movable mold which includes side plates, means adjustably connecting the plates for varying the widths of a wall to be cast between said plates, plates arranged between the side plates and closing one end of the mold, means for imparting a longitudinal movement to the last mentioned plates between the side plates of the mold, members pivotally secured to one of the side plates at the open end of the mold, brackets on said members, adjustable means carried by the brackets for contacting the said side plate, whereby to arrange the brackets angularly with respect to said plate, and a laterally adjustable plate supported by said members.

1,632,515. SPRAYER. WILLIAM M. SMITH, Bemidji, Minn. Filed Dec. 21, 1925. Serial No. 76,750. 1 Claim. (Cl. 91—45.)

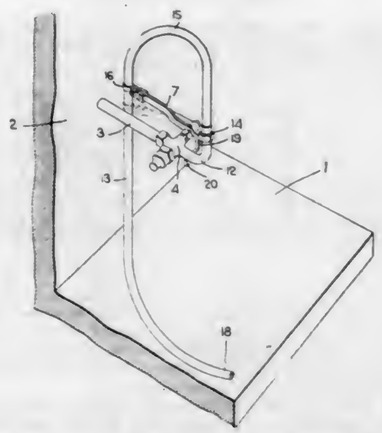
In a device of the character described, a receptacle open at its top, a removable cover for the open upper end of said receptacle, an outlet tube carried by said cover with its upper portion projecting through the cover and its lower end adjacent the bottom of the receptacle

when the cover is in place, a bracket carried by said cover and including a longitudinally tapered socket open at its ends and having its smaller end disposed towards the upper end of said tube, and a nozzle having one end adapted to be connected with a conduit for fluid under



pressure, the nozzle being tapered towards its other end and wedged into said tapered socket with its free end projecting from the smaller end of the socket and terminating adjacent the upper end of said tube for directing a blast of fluid across the same.

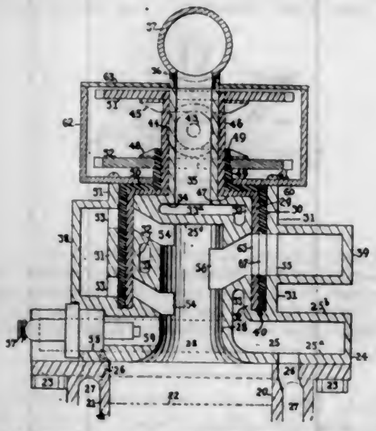
1,632,516. AUTOMATIC VALVE FOR USE IN FISH STALLS AND LIKE PLACES. FOSTER M. SPURR, Mattapan, Mass. Filed Jan. 23, 1924. Serial No. 687,935. 2 Claims. (Cl. 299—81.)



1. The combination with a self-closing valve comprising a rotary valve element having an arm rigid therewith, which arm by its downward swinging movement opens the valve, a flexible hose secured to the valve, said hose extending upwardly from the valve and then downwardly thereby forming an inverted U-shaped portion, a clamp secured to the free side of the U-shaped portion, and a link pivotally connecting the arm and the clamp whereby a downward pull on the hose will open the valve.

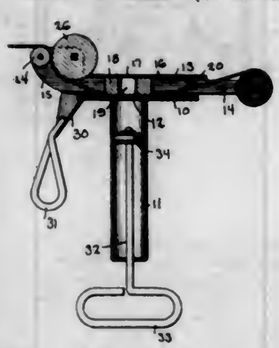
1,632,517. INTERNAL-COMBUSTION ENGINE. BURNHAM C. STICKNEY, Rutherford, N. J. Filed Sept. 12, 1923. Serial No. 662,198. 23 Claims. (Cl. 123—190.)

1. The combination with an engine-cylinder, of a head detachably mounted thereon, an explosion-chamber in said head and having intake and exhaust ports, valve means fitting around said explosion-chamber, means for continuously revolving said valve means, a chest within which said valve means is fitted, said chest having intake and exhaust ports, said explosion-chamber being hollow-walled, and provision being made for passage of cooling fluid therethrough, said detachable engine-head opening into the cylinders of an engine and comprising a fluid



jacket in open communication with said explosion-chamber walls, and means for causing water to circulate through said detachable engine-head and said explosion-chamber walls.

1,632,518. SOUNDING-TOY FILM BURSTER. LAWRENCE H. STRAYER, Kent, Ohio. Filed Dec. 18, 1926. Serial No. 155,736. 5 Claims. (Cl. 46—46.)

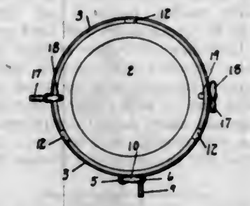


1. A gun of the class described comprising a carrier frame having an opening formed in the bottom thereof, a cylinder secured to the bottom of the carrier frame and communicating with the opening, a piston arranged for reciprocating movement in the cylinder, a magazine frame pivotally mounted on the carrier frame, a block carried upon the magazine f ame adapted to be adjusted above the cylinder and formed with transverse openings through the block, a pair of material actuating rollers rotatably supported on the magazine frame, a strip of material rotatably formed on one end of the magazine frame and fed through the said rollers, and a bracket adapted to actuate one of the rollers to intermediately feed the material through the frames.

1,632,519. CAN OPENING AND CLOSING DEVICE. FRANK J. STREIT, Cincinnati, Ohio. Filed Nov. 15, 1926. Serial No. 148,346. 1 Claim. (Cl. 220—51.)

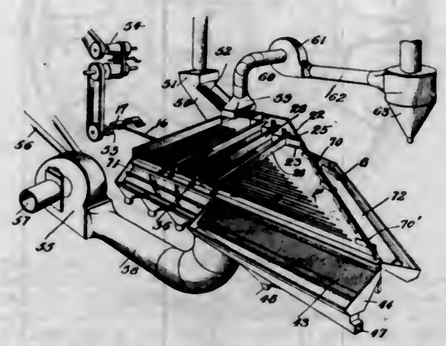
In a device of the character described, a band, said band capable of passing around a condensed milk can, at the upper part thereof, tube-like formations on said band, perforator members, said perforator members extending

into said tube-like formations and capable of moving upwardly or downwardly and turning therein, said perforators capable of perforating a can top through



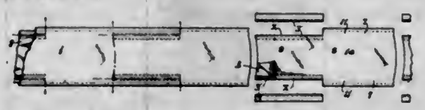
pressure exerted thereon and capable of being raised out of said perforations and moved out of line therewith, said perforators also capable of being moved back into position, to seal the perforations in the can top.

1,632,520. PROCESS OF AND APPARATUS FOR SEPARATING, CLEANING, AND GRADING ALL KINDS OF NUTS, CEREALS, AND LEGUMES. HENRY MOORE SUTTON, WALTER LIVINGSTON STEELE, and EDWIN GOODWIN STEELE, Dallas, Tex. Filed Dec. 13, 1919, Serial No. 344,583. Renewed Sept. 15, 1926. 62 Claims. (Cl. 209—467.)



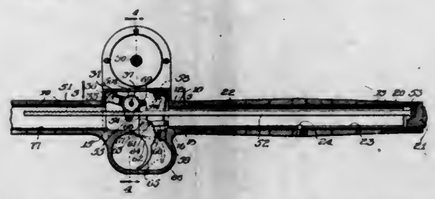
3. The process of separating a mass of nuts or the like having different characteristics consisting in feeding the mass and supporting the same upon a transversely inclined surface by gaseous cushioning means to permit stratification thereof, removing the lighter particles of the mass stratified, imparting to the mass a positive movement, subjecting the heavier zone of the mass to an air blast to remove the lighter particles entangled therewith and separately collecting the separated nuts.

1,632,521. MULTIPLEX BAG AND THE METHOD OF MAKING IT. WILLIAM L. TAYLOR, Cincinnati, Ohio. Filed Nov. 21, 1925. Serial No. 70,592. 2 Claims. (Cl. 93—35.)



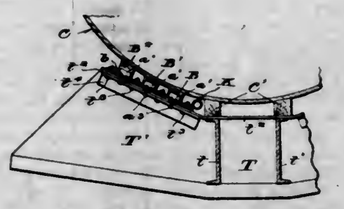
2. The herein described method of forming a multiplex bag which consists in gluing together superposed strips of paper of different widths at spaced apart intervals near their longitudinal edges to form a multiply strip, then dieing out from said multiply strip individual bag blanks each having one side wider than the other side and one side of the lining wider than the adjacent cover whereby securing flaps are provided, then folding said securing flaps inwardly, then gluing the exposed surface thereof, then folding said blank transversely and pressing the sides of the bag together upon the glued flaps to form the completed bag.

1,632,522. FISHING REEL. CECIL A. THAYER, Gary, Ind. Filed May 6, 1926. Serial No. 107,248. 9 Claims. (Cl. 43—20.)



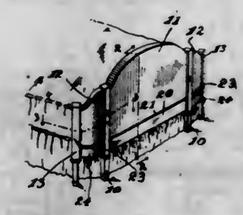
1. A fishing-reel comprising, in combination, a supporting structure, a spool journalled thereon, a reciprocable rack, and means in driving engagement with said rack for rotating said spool and mounted to be swung into and out of a position for rotating said spool.

1,632,523. METAL-TRANSOM CUSHION-BLOCK CONTAINER. SAMUEL E. TURNER, Wichita Falls, Tex., assignor to Panhandle Refining Company, Wichita Falls, Tex. Filed Jan. 19, 1926. Serial No. 82,308. 6 Claims. (Cl. 105—362.)



1. In a tank car, an underframe having transoms, a tank body, and a support for said tank body extending longitudinally thereof from one transom to another and comprising a bed plate corrugated to form a plurality of panels, longitudinal cushion blocks resting between the corrugations on said panels, and means carried by said bed plate to prevent longitudinal displacement of said cushion blocks.

1,632,524. METHOD OF MANUFACTURING METAL BEDS. ADOLPH WEISMAN, Brooklyn, N. Y. Original application filed Aug. 22, 1924, Serial No. 733,520. Divided and this application filed Mar. 14, 1925. Serial No. 15,608. 5 Claims. (Cl. 29—148.)



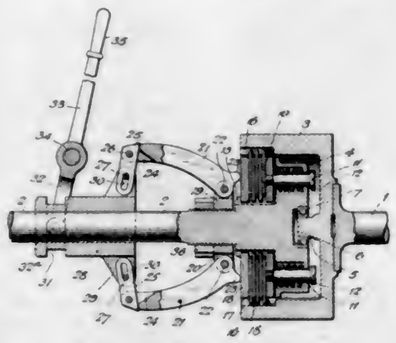
1. The method of forming head and foot board panels for metal beds which consists in interposing a template between two sheets of bendable metal, folding the edges of the sheets around three sides of the templates and joining certain of said edges together and then withdrawing the template through the open side edge of the hollow panel thus formed.

1,632,525. SHEARS. CLARENCE H. WILKES and GEORGE E. CALHOUN, Amsterdam, N. Y., assignors to Amsterdam Cutlery Company, Incorporated, Amsterdam, N. Y., a Corporation of New York. Filed May 26, 1925. Serial No. 32,911. 1 Claim. (Cl. 30—13.)



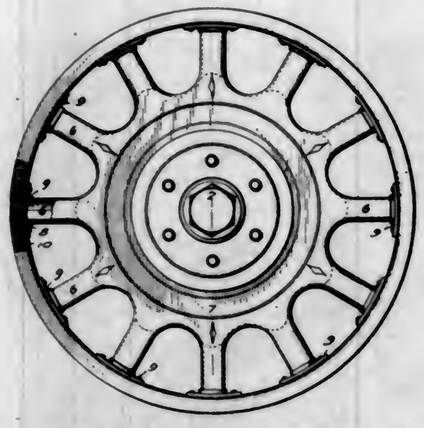
In shears of the class described, a pair of levers crossing each other to form blade-supporting arms at one end and handles at the opposite end, separate shearing blades removably mounted on adjacent faces of said arms and extending across the intersection of the levers to overlap at the crossing, one of said levers having an extension across the overlapping ends of the shearing blades and upon the outer face of the adjacent portion of the other lever to bind the intersecting portions of said levers and overlapping portions of the blades together, a pivotal pin passing through registering openings in said levers, blades and extension for holding the levers and blades co-axial with the pivotal pin, and additional devices for holding the blades against lateral movement relatively to their respective levers when engaged with said pivotal pin and for releasing the blades when the pivotal pin is removed.

1,632,526. CLUTCH. ANDREW V. D. WILLGOOS, Upper Montclair, N. J., assignor to Wright Aeronautical Corporation, a Corporation of New York. Filed Apr. 24, 1925. Serial No. 25,409. 5 Claims. (Cl. 192—69.)



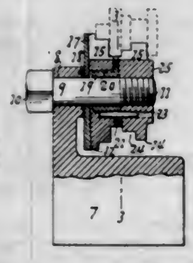
1. A clutch comprising in combination a driving shaft, a driven shaft and a coupling means therebetween, comprising a cup-shaped member having internal splines, and attached to one of said shafts, a disc member positioned within said cup-shaped member, attached to the other of said shafts, and having splines cooperating therewith, a plurality of annular friction-disc members, successive discs alternately having internal and external notch sectors, adapted to engagement with said splines, means comprising a plurality of buffer springs positioned in openings in said attached disc member, and a plurality of bolts extending through said attached disc member, cooperating with one of said friction disc members, and holding said springs under initial compression, for yieldably supporting said friction disc members, and link-lever means for frictionally engaging said friction disc members.

1,632,527. VEHICLE WHEEL. EDWIN C. WINTERS, Detroit, Mich. Filed Feb. 24, 1926. Serial No. 90,295. 11 Claims. (Cl. 301—64.)



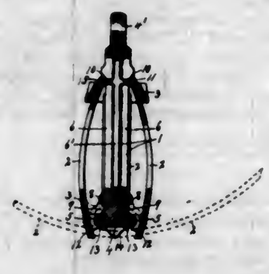
4. A metallic wheel comprising a blank of metal having an annular reinforcing corrugation dividing the blank of metal into a hub portion and a spoke section, the spoke section being formed with a plurality of seamed tubular spokes, the outer portions of which are formed with external annular flanges, a felly engaged by said flanges, and one-piece mounting plates having drawn necks receiving the outer portions of said spokes, said mounting plates being rigidly connected to said felly and locking the spokes to the felly.

1,632,528. CIRCULAR FORMING TOOL. HUGO ZEIDLER, Brooklyn, N. Y. Filed Dec. 21, 1925. Serial No. 76,925. 3 Claims. (Cl. 29—102.)



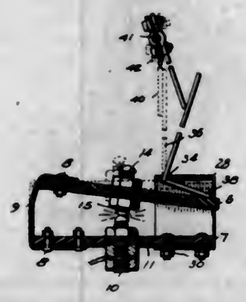
1. A forming tool comprising a shaft, a pair of circular heads secured to the shaft each having a notch provided with a cutting edge forming an inclined plane, and a tapered notched washer arranged between the heads made to register with the notches in the heads.

1,632,529. ANCHOR. WILLIAM J. BAUER, Syracuse, N. Y. Filed June 14, 1926. Serial No. 115,739. 3 Claims. (Cl. 114—208.)



1. An anchor comprising a stem having means at one end for attachment to a cable, flukes arranged in uniformly spaced relation circumferentially around the axis of the stem and having one end pivoted to the other end of the stem to fold toward and from the stem, said pivoted ends being provided with tapered extensions abutting against each other across the lower end faces of the stem when the flukes are unfolded.

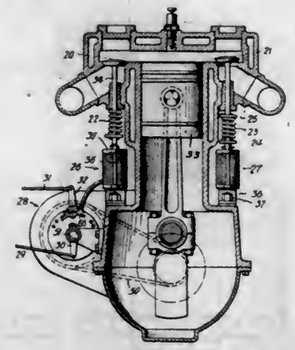
1,632,530. CIRCUIT CLOSER. GREEK P. BEASTON, Coin, Iowa, assignor to Jonnna McCracken, Coin, Iowa. Filed June 3, 1925. Serial No. 34,671. 5 Claims. (Cl. 200—59.)



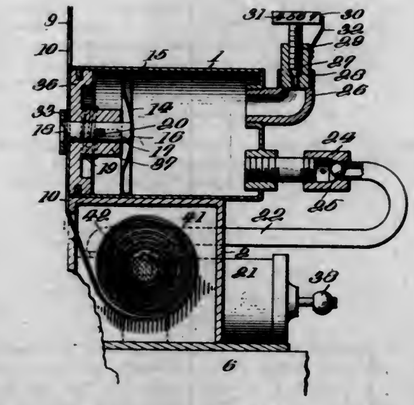
1. A switch for use in connection with starting motors comprising fixed and movable blocks, a U-shaped leaf spring connecting said fixed and movable blocks, contacts carried by the blocks and adapted for connection with the wires of an electric starting circuit, an actuating bar having a laterally projecting terminal portion engaged with said movable block, an arm for engaging said actuating bar, said arm being provided with means whereby the same may be connected to the spark control rod of an automobile, and a guide member having spaced sides arranged at opposite edges of the movable block to hold the same against lateral movement and cooperating with said movable block in supporting said actuating bar.

1,632,531. ELECTROMECHANICAL VALVE-OPERATING MEANS FOR INTERNAL-COMBUSTION ENGINES. LEONARD NORWOOD BLAND, North Sydney, New South Wales, Australia, assignor to Bland Magnetic Valves Limited, Sydney, New South Wales, Australia, a Corporation of New South Wales, Australia. Filed Sept. 12, 1925, Serial No. 56,008, and in Australia Oct. 20, 1924. 4 Claims. (Cl. 123—41.)

1. Valve operating means for an internal combustion engine, comprising inlet valves, having springs arranged to close them and solenoids arranged to open them against said springs; exhaust valves with springs arranged to open them and solenoids arranged to close them against said springs during the period in which the gas pressure acting on the valve heads is insufficient to overbalance the action of the opening springs and to hold them closed against said springs; and a distributor with a driving connection to the engine and arranged to close the circuit of a source of curent through the respective solenoid windings in operative timed order.



1,632,532. AUTOMATIC CLOSURE FOR WINDOWS AND THE LIKE. LOUIS VANCE BLUE, Pittsburgh, Pa., assignor of one-fourth to William A. Falson, Chester, Pa. Filed Mar. 11, 1926. Serial No. 93,956. 14 Claims. (Cl. 70—26.)



1. A device for automatically closing windows comprising a pressure receiving cylinder, a spring actuated member in the cylinder and adapted to be forced in the opposite direction by pressure in said cylinder, means movable past the said member which is connected with the window, said spring actuated member adapted to lock and release the said movable means by the action of the spring and the air pressure within the tank.

1,632,533. PROCESS OF FORGING GEAR BLANKS. CHARLES A. BRAUCHLER, Canton, Ohio. Filed Oct. 4. 1922. Serial No. 592,276. 4 Claims. (Cl. 29—159.)

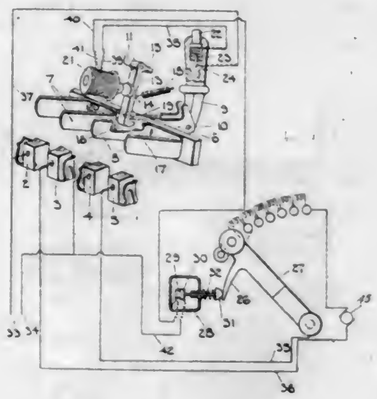
1. The method of forming gear blanks consisting in cutting a flat ended blank from a bar, said blank having a

length greater than the diameter thereof, upsetting the blank endwise producing a barrel shaped product and placing the barrel shaped product in a forging die and



forging the same endwise, causing the outer grain of the blank to flow outward from the hub portions into the teeth portion of the gear blank.

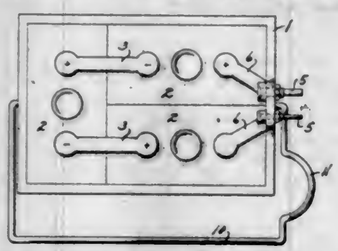
1,632,534. SWITCHING AND STARTER APPARATUS OF ELECTRIC MOTORS. HELIER OSWALD BREE, Auckland, New Zealand. Filed Aug. 28, 1926, Serial No. 132,226, and in New Zealand July 31, 1926. 3 Claims. (Cl. 172—179.)



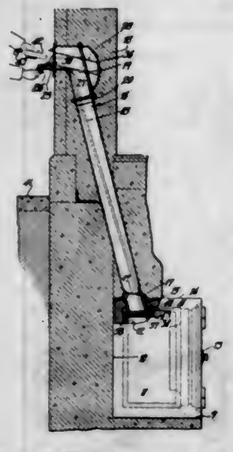
1. In combination with a circuit breaker for opening and closing an electric circuit, a handle for said circuit breaker, a starting resistance, a controller arm for varying said resistance, a latch for holding said circuit breaker in open position, an electromagnet adapted when energized to release said latch, a pair of circuit closing switches in series with said electromagnet and normally open when said resistance is cut out, means on said handle for closing one of said switches, and means on said controller arm for closing the other of said switches when the resistance is in series with the circuit.

1,632,535. BATTERY AND CONNECTER. SAM G. BREEDEN and PAUL L. BREEDEN, Memphis, Tenn. Filed Aug. 2, 1926. Serial No. 126,516. 1 Claim. (Cl. 136—166.)

A battery of the class described comprising a casing, a pair of cells in the casing arranged longitudinally thereof and parallel to each other, a third cell arranged transversely in the casing and having one side abutting the ends of the other two cells, bars connecting the cells together, a pair of terminals supported by one end of the casing and bars connecting the terminals with the plus and minus posts of the parallel cells.

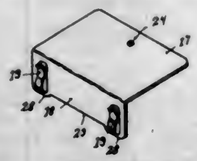


1,632,536. CHUTE. GEORGE T. BREEN, New Rochelle, N. Y., assignor to Herring-Hall-Marvin Safe Company, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1926. Serial No. 86,305. 8 Claims. (Cl. 193—34.)



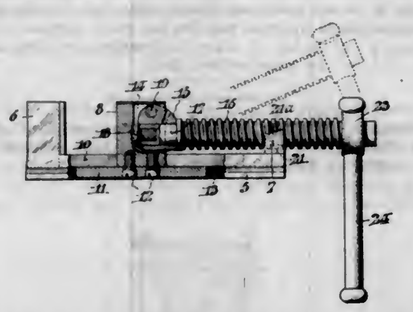
7. In a chute, an oscillatable receiving hopper, a series of spaced-apart, transversely-extending fingers normally hold in chute-closing position but yieldingly withdrawn to permit a one-way passage for articles bearing on said fingers within the chute, a door normally slidable to close the lower end of the chute, and an operative connection extending between said hopper and door through said fingers for normally maintaining the door in open inoperative position, but allowing the door automatically to close the chute whenever said hopper is displaced from its operative position in the chute.

1,632,537. PRICE TAG AND TAG HOLDER. CHARLES E. BRIGEL, Cincinnati, Ohio. Filed May 8, 1926. Serial No. 107,807. 1 Claim. (Cl. 40—11.)



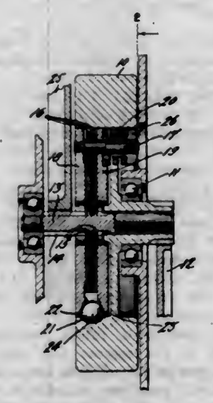
A tag-holder comprising a substantially horizontal tag-holder section to lie flat upon the upper face of a shelf, a substantially vertical section at right angles to said first section to rest against the front edge of the shelf, and a pair of resilient fingers integral with and stamped from the body of said vertical section near opposite ends thereof, and occupying positions in front of said vertical section in position to resiliently and detachably hold a price-tag near opposite ends thereof in contact with the face of said vertical sections and reinforcing sections integral with said vertical section and adjacent to and below the bases of said fingers to strengthen the bases of said fingers and permit the price-tags to cover substantially all of the face of said vertical section.

1,632,538. VISE. JOAH BROGDEN, Melrose Park, Pa. Filed Aug. 17, 1925. Serial No. 50,677. 6 Claims. (Cl. 81—36.)



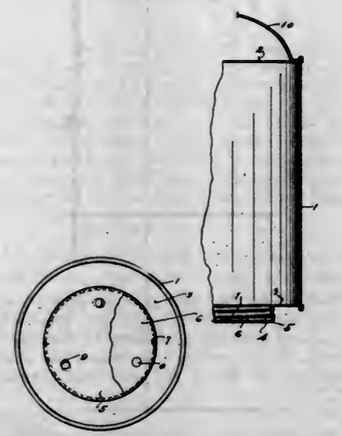
1. In a vise of the character described, the combination of a base, a stationary clamp jaw and a screw threaded abutment integral with said base, an opposing clamp jaw movable in the interval between said stationary jaw and abutment, and an actuating screw pivoted in the movable jaw and normally seated in—and half-surrounded by—the threaded abutment, whereby said screw is held substantially parallel to the plane of the base, the axis of said pivot being offset relative to the axis of rotation of the actuating screw.

1,632,539. LOAD-LIMITING CLUTCH. ROLAND CHILTON, Keyport, N. J., assignor to Healey-Aeromarine Bus Company, Inc., a Corporation of New York. Filed May 5, 1926. Serial No. 106,905. 11 Claims. (Cl. 64—99.)



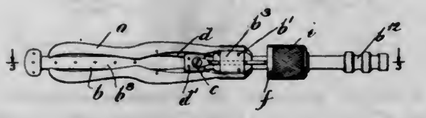
1. In apparatus of the class described the combination of, a plurality of driving and driven friction clutch members, a spring adapted to normally press said members into frictional driving contact, opposed inclined faces on a pair of said driving friction members, a driving member having inclined faces, and rolling means constituting the driving means from the driving member to the driving clutch members and adapted to exert a separating tendency therebetween.

1,632,540. FERTILIZER DISTRIBUTOR. HENRY R. CLARKE, Tarrant, Ala. Filed July 15, 1926. Serial No. 122,699. 2 Claims. (Cl. 221—119.)



1. A fertilizer distributor, comprising a container having a closed top end provided with a handle, and a bottom provided with an open neck, a disk having apertures therein adapted to seat over the neck, and a screw cap having apertures adapted to mount the disk on the neck and to be adjusted to bring its apertures into or out of registration with the apertures in the disk.

1,632,541. DOUCHE NOZZLE. AUGUSTO J. D. CORTES, New York, N. Y. Filed June 29, 1926. Serial No. 119,270. 5 Claims. (Cl. 128—244.)

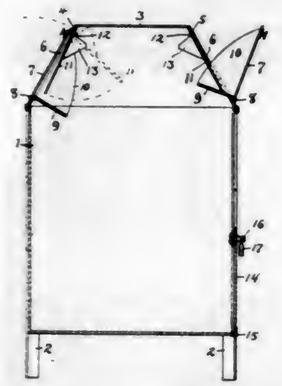


1. In a douche nozzle, in combination, a fluid tube, dilators pivoted on the tube, an annulus slidable on the tube, links between the dilators and the annulus, an annulus slidable on the tube on the opposite side of the pivots of the dilator from the first annulus, means to connect the two annuli and a sleeve on the tube, swiveled on the last named annulus and having an inwardly directed lug engaged in a helically shaped groove formed in the tube.

1,632,542. TRASH RECEPTACLE. JAMES E. P. DILLON, South Bend, Ind. Filed Oct. 4, 1926. Serial No. 139,300. 3 Claims. (Cl. 220—32.)

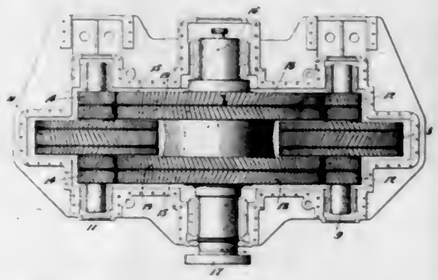
1. A trash receptacle comprising a box having a permanent cover the front and back faces of which slant inwardly, there being an opening in said front and back;

a movable pocket member for closing each of said openings and having hinged support at its lower end so as to swing outwardly; and a flap hinged at its upper end at the top of each opening and extending into the corresponding pocket member so that said opening is closed



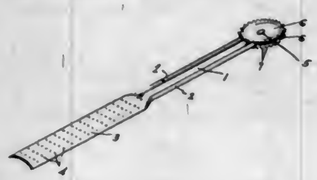
by said flap when the corresponding pocket member is in open position, each flap having a stop thereon operable to limit inward swinging movement of the flap by contacting with the top of the said cover; and a lock controlled door for the box in the lower part thereof.

1,632,543. STEAMSHIP-DRIVING MECHANISM. ANDREW FLETCHER, Jr., Morristown, and JAMES A. CAPSTAFF, Grantwood, N. J. Filed Dec. 5, 1921. Serial No. 519,898. 2 Claims. (Cl. 74—7.)



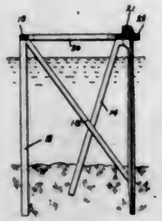
1. Driving mechanism for steamships comprising a large driven gear having teeth in reversed symmetry about a plane perpendicular to the mid point of its axis and constructed to permit ready reversal to change the trailing faces of the teeth to forward faces; an intermediate shaft symmetrical about its mid point; intermediate gear means mounted centrally on said intermediate shaft, the teeth of said intermediate gear means being in reversed symmetry about a plane perpendicular to the mid point of the intermediate shaft to permit the intermediate gear to be reversed by reversing the intermediate shaft in its bearings; a pinion shaft symmetrical about a plane perpendicular to its mid point; and a pinion mounted centrally on said shaft, said pinion having its teeth in reversed symmetry about a plane perpendicular to the mid point of the shaft to permit the pinion to be reversed by reversing the pinion shaft in its bearing; said construction permitting the ready reversal of all gear elements of the series whereby when teeth become worn all of the gear elements may be reversed to change all of the trailing faces into forward faces.

1,632,544. TIRE-REPAIR SCRAPER. RICHARD W. FOX, Birmingham, Ala. Filed Aug. 19, 1926. Serial No. 130,174. 2 Claims. (Cl. 152—27.)



2. As an article of manufacture, a handle having a pair of closely associated disked rollers pivotally mounted concentrically thereon and having their marginal edges sharply out-turned in opposite direction and roughened, as and for the purposes described.

1,632,545. WATER BARRIER. WILLIAM H. GILLEN, Milwaukee, Wis. Filed Sept. 11, 1925. Serial No. 55,779. 3 Claims. (Cl. 61—4.)



1. A water overflow barrier, comprising a wall formed of a plurality of precast piles having tongue and groove connections, some of said piles having a female locking member of semi-circular shape embedded in the upper portion of the inner face, a top member cast on said wall and engaging said piles, the wall and top member having interpenetrating reinforcing means, brace members engaging said female locking members and said top member and bracing the wall.

1,632,546. WELDING ROD. J BIRCHARD GREEN, Chicago, Ill., assignor to Fusion Welding Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 20, 1926. Serial No. 136,725. 3 Claims. (Cl. 219—8.)

1. A welding rod or wire of ferrous metal containing carbide, the major portion of which carbide is in globular form.

1,632,547. COMBINED BRASSIÈRE AND DRESS SHIELD. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Nov. 12, 1925. Serial No. 68,522. 1 Claim. (Cl. 2—54.)

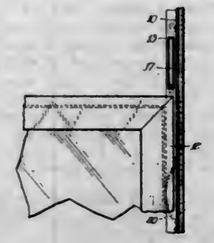
An article of the class described consisting of a garment having a body portion composed of a continuous strip of light, open-mesh fabric adapted to extend around the body of the wearer and enclose the busts, the upper and lower edges of said strip being made expansible by means consisting of elastic bands secured along said edges, arm pit shields secured in said body, each of said shields being composed of a body flap and an arm flap, the body of the garment having its widest parts located in front of and at the back of said shields, the top edges of the widest parts of said strip extending

at least as high as the top of the body flap on each shield, and shoulder straps secured to the expansible top edges of the strip at positions remote from the shields,



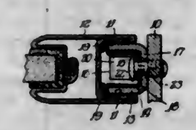
so that parts of the expansible top edge of the strip are located between the point of securement of the shoulder straps and the shields.

1,632,548. SASH GUIDE. THOMAS W. HOLT, Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 25, 1925, Serial No. 32,536. Divided and this application filed Oct. 9, 1926. Serial No. 140,540. 6 Claims. (Cl. 20—69.)



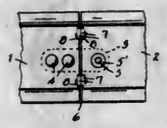
1. The combination with a sash having a groove in the stile thereof, of a guide comprising a channel strip adapted to be attached to a window jamb and contained within the groove, a plurality of spring-pressed sash-engaging elements projecting laterally from one side of the strip against one side of the groove for pressing the other side of the groove against the other side of the strip, and a plurality of other spring-pressed sash-engaging elements projecting outwardly from the channel against the bottom of the groove.

1,632,549. SASH GUIDE. THOMAS W. HOLT, Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 25, 1925, Serial No. 32,537. Divided and this application filed Oct. 9, 1926. Serial No. 140,541. 6 Claims. (Cl. 20—69.)



1. The combination with a sash having a groove in the stile thereof, of a guide comprising two channel strips arranged one within the other to form in effect a rib for insertion within the groove, the inner strip having a resilient portion projecting from the contour of the outer strip for resiliently yieldable engagement with the sash at a point within the groove.

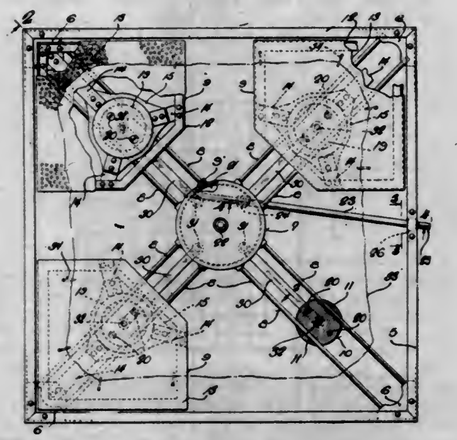
1,632,550. JOINT FOR SPLIT RIMS AND METHOD OF MAKING THE SAME. EMIL R. JACOBI, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed June 26, 1925. Serial No. 39,715. 7 Claims. (Cl. 29—159.)



4. A split rim joint comprising the meeting ends, and a tie bar detachably coupling the same, the metal of said ends being formed with an upset contacting projection.

5. The method of manufacturing a split rim joint comprising coupling the meeting ends together as by a tie bar, and then subjecting the meeting ends of the joint to the stamping action of punch ends at each side of said tie bar to upset the metal and form contacting projections therebetween thus making a close fitting joint.

1,632,551. APPARATUS FOR STRETCHING SKINS AND LEATHER. IRA MILTON JONES, Milwaukee, Wis., assignor to Carl A. Bechstein and Ewald E. Kornitz, Milwaukee, Wis. Filed Apr. 9, 1925. Serial No. 21,830. 9 Claims. (Cl. 149—21.)

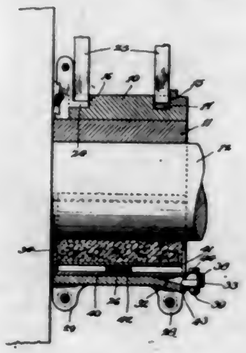


8. In an apparatus for stretching skins and leather, comprising a plurality of frame members having work engaging surfaces, means mounting the frame members for movement only in a common plane and permitting rotation thereof on an axis transversely of the plane of movement, and means for producing movement of the frame members on a common plane.

1,632,552. JOURNAL BOX. ARTHUR T. KUEHNER, St. Augustine, Fla. Original application filed Jan. 18, 1921, Serial No. 478,646. Divided and this application filed July 20, 1922, Serial No. 576,343. Renewed Sept. 10, 1925. 5 Claims. (Cl. 308—83.)

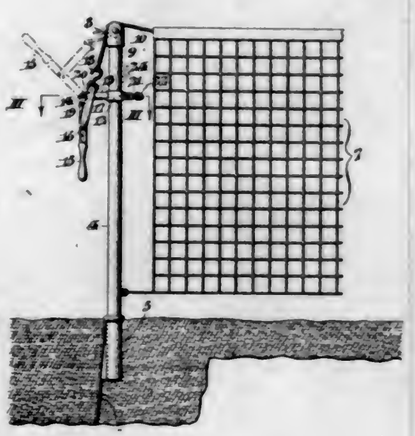
1. A journal box including a box body having legs, a shelf secured between said legs, a cellar supported by said shelf, a follower disposed within the cellar, and yieldable means extending through the bottom wall of the cellar to project therebeneath and coacting between

the follower and the shelf, the cellar being insertable between the legs by sliding the cellar inwardly upon the shelf and the shelf being provided with means to coact



with the lower end of said yieldable means for directing said yieldable means onto the shelf when the cellar is shifted inwardly.

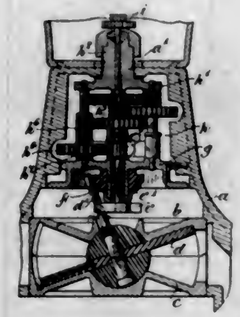
1,632,553. APPARATUS FOR SUPPORTING LAWN-TENNIS NETS AND THE LIKE. MOSES R. LANE, Ardmore, Pa. Filed Sept. 26, 1925. Serial No. 58,701. 5 Claims. (Cl. 273—29.)



3. In apparatus for supporting lawn tennis nets and the like, the combination of a post having a series of longitudinally spaced indentations, and a toggle net-tensioning device including a retractable spring-influenced pin for engaging the indentations to rigidly lock said net-tensioning device in adjusted positions along the post.

1,632,554. WATER METER. WILLIAM L. MARDEN, Elmhurst, N. Y., assignor to Neptune Meter Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 28, 1924. Serial No. 746,278. 1 Claim. (Cl. 74—7.)

In a water meter wherein, a partition divides the interior of a main casing, a gear train above the partition including a sleeve toothed at one end to form a pinion and shouldered to provide a seat at the other end, a gear mounted in the seat, a groove in the sleeve between the gear and its end, a yoke shaped spring member engag-



ing the groove and bearing upon the gear at its extremities whereby a frictional connection is had between the two, and means for driving the gear.

1,632,555. COMPOSITION OF MATTER. GEORGE E. MESSINGER, New York, N. Y. Filed Oct. 22, 1923. Serial No. 669,944. 1 Claim. (Cl. 134—24.)

A composition of matter for use as a cleaning and polishing agent, comprising a mixture combined substantially in the following proportions in one gallon of the composition, mineral oil thirty fluid ounces, infusorial earth ten ounces, hydrochloric acid (37% solution) six and one-half fluid ounces, methyl salicylate one-half ounce and sufficient water to make up one gallon.

1,632,556. HAND FAN. SAVERIO MINUNNO, New York, N. Y. Filed Dec. 3, 1926. Serial No. 152,454. 8 Claims. (Cl. 230—258.)

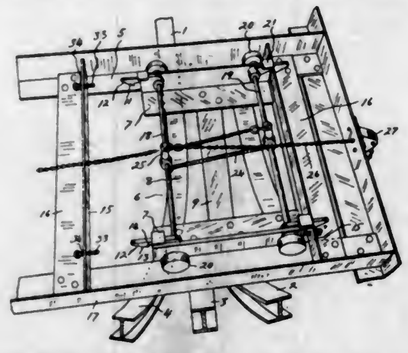


1. In a hand fan, the combination of a frame, a motor mounted thereon, a fan driven by the driven shaft of the motor, a pair of meshed bevel pinions, one of which is connected with the drive shaft of the motor, a stem on which the other pinion is fixed, a guide on the frame, and a longitudinally movable and rotatable handle guided by said guide and on which said other pinion is fixed.

1,632,557. TROLLEY SWITCH. CHARLES L. MOON, Detroit, Mich., assignor to The Cecil R. Lambert Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 18, 1926. Serial No. 82,142. 6 Claims. (Cl. 104—102.)

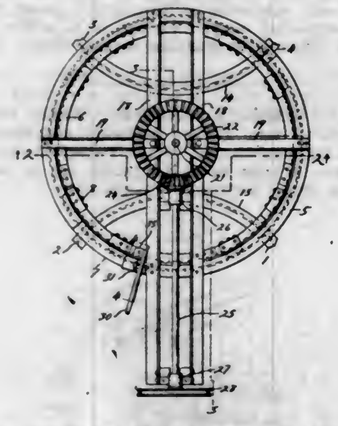
1. The combination with a stationary track section and a movable track section having one end registerable with an end of said stationary track section, of a carriage

movable transversely of said stationary track section and supporting said movable track section, a shaft upon said carriage, means for supporting said carriage, including



wheels journaled upon said shaft, a latch upon said shaft for securing said carriage in position to register the ends of said track sections, and means for releasing said latch.

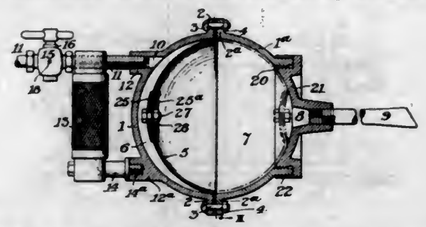
1,632,558. ROTARY CROSSOVER SWITCH. CHARLES L. MOON, Detroit, Mich., assignor to The Cecil R. Lambert Company, Detroit, Mich., a Corporation of Michigan. Filed June 21, 1926. Serial No. 117,646. 5 Claims. (Cl. 104—99.)



1. The combination with stationary track sections arranged at right angles to each other and an annular frame, of an annular carriage located within said frame, trolley wheels upon said carriage traveling upon said frame for supporting the former from the latter and track sections upon said carriage having their ends alternatively registerable with the ends of different pairs of said stationary track sections.

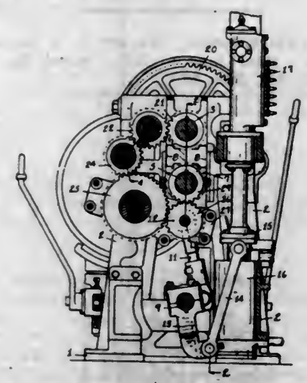
1,632,559. CALKING MACHINE. HOWARD ASHLEY PEDRICK, Bala, Pa., assignor to Ev-Air-Tight Calking Co., Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 22, 1923, Serial No. 682,174, and in Canada Feb. 12, 1923. 17 Claims. (Cl. 18—3.5.)

1. In a calking device, the combination of a casing comprising a pair of hemi-spherical sections separable upon a substantially equatorial line; one of said sections having an inlet for fluid under pressure and forming a head for said casing and the other having an outlet passage, a discharge nozzle connected to said latter section in line with said outlet passage, a reinforced flexible diaphragm disposed within the chamber of said casing and confined between the sections of the same, and means for controlling the flow of fluid pressure to the chamber



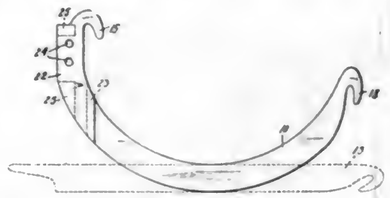
defined by the wall of said head and the diaphragm for causing the latter to act upon and expel material from the casing through the discharge nozzle.

1,632,560. RIM-ROLLING MACHINE. EMIL J. PETERSON, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed May 1, 1924. Serial No. 710,276. 6 Claims. (Cl. 80—5.)



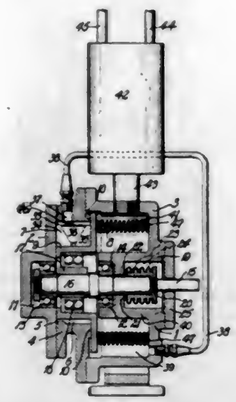
1. In a rim rolling machine, the combination of a frame, an upper roll on a fixed shaft, means for driving the same, a lower movable roll on a shaft, a slide with journal bearings for said movable roll, means for advancing said slide and roll, a driving means for the fixed roll shaft, a chain of gears driven from the fixed roll shaft, one of which is supported on a rocker and connected to drive the movable roll, a compensating gear in the said chain of gears comprising independently revoluble gears with compensating pawl and ratchet drive means therebetween, the driving gear being recessed on its face and carrying a pawl and the driven gear of which has a hub-like extension with ratchet teeth disposed in said recess, a pawl recess in the face of the driving gear with a cylindrically curved convex rear portion to engage the rear end of the pawl and with a square front portion to permit the movement of the pawl therein and maintain its rear engagement, a pawl with its rear end curved to pivot in the pawl recess and with its front end squared to engage the ratchet teeth and to move freely into the said recess, the said pawl having a longitudinal slot through the rear end and in its upper face, and a spring with projecting ends and a central coil disposed in the said slot reacting between the said pawl and the bottom wall of the recess to urge said pawl into engagement, the pawl and ratchet parts being of such dimension that its outer corner remains within the square end of the recess at all times whereby the driven gear may be carried forward out of engagement with the driving gear to compensate for the varying movements of the rolls in contact with the stock when the movable roll is driven from the fixed roll more rapidly than the rate of drive of the chain of gears.

1,632,561. GUTTER HANGER. EVA RACHLIN, Brooklyn, N. Y. Filed Mar. 17, 1926. Serial No. 95,306. 1 Claim. (Cl. 108—29.)



A gutter hanger circle stamped from a single straight strip of sheet metal bent edgewise into an arc of a circle and including a body portion and a heel portion, said heel portion being bent out of the plane of said body portion to form a vertical shoulder at the juncture of said body and heel portions, and said bent out heel portion being provided with a plurality of projections arranged in a vertical line and spaced from said shoulder.

1,632,562. COMPRESSOR. WALTER G. E. ROLAFF, St. Louis, Mo. Filed June 1, 1925. Serial No. 33,952. 13 Claims. (Cl. 230—30.)



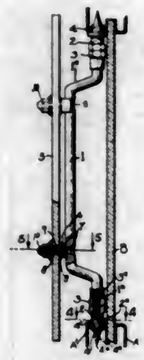
1. In a machine of the class described, in combination with a cylinder, a rotor eccentrically mounted therein for gyratory movement within the cylinder and in rolling engagement with the wall thereof and having releaseable contact with both ends of the cylinder, and means for positioning the rotor ends in exact line with the cylinder ends.

1,632,563. BUMPER. JAMES H. SAGER, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 14, 1927. Serial No. 167,967. 2 Claims. (Cl. 293—55.)



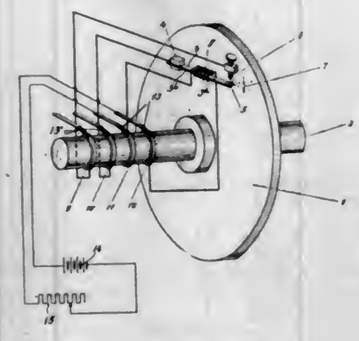
1. The combination with a tubular impact member of a cap fitting over the same, a bumper supporting spring and a single bolt securing the tubular impact member, the cap and the bumper supporting spring.

1,632,564. SIDE WINDSHIELD FOR VEHICLES. CHARLES A. SAYERS, San Diego, Calif. Filed July 1, 1926. Serial No. 119,812. 9 Claims. (Cl. 269—84.)



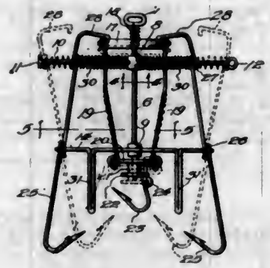
1. In a means of the class described, the combination with the frame forming a side opening of a vehicle, of a supporting member adapted to be supported at its opposite ends between opposite sides of said frame and provided with a piercing and pivot means at one end for piercing said frame and for providing a pivoted support for said supporting member, and a shield secured to said supporting member adapted to be shifted therewith and deflect wind from the opening formed by said frame.

1,632,565. SPEED REGULATOR. KARL SCHMIDT, Lichtenrade, near Berlin, Germany, assignor to C. Lorenz-Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed Jan. 5, 1926, Serial No. 79,364, and in Germany Mar. 24, 1925. 6 Claims. (Cl. 200—80.)



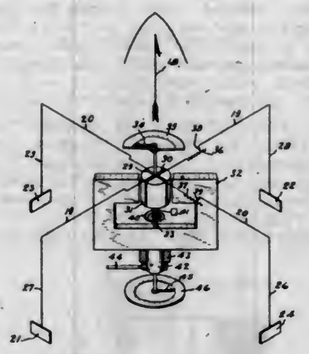
1. In a speed regulator of the character described, in combination, a rotating member, a contact fixed thereon, a co-operating oscillating contact arranged upon a resilient support also mounted on said rotating member and adapted to close said two mentioned contacts influencing a speed-controlling means intermittently once during each revolution by the joint co-operation of centrifugal force and gravity action upon said oscillating contact, and means whereby the temperature of the contact-bearing members may be regulated.

1,632,566. FISHING APPARATUS. CARL F. SCHNEIDER, Chicago, Ill. Filed Nov. 26, 1926. Serial No. 150,992. 5 Claims. (Cl. 43—89.)



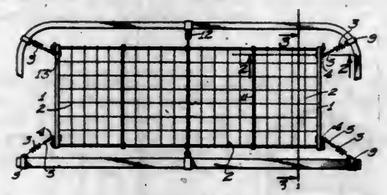
1. In combination with a stem to which is connected fast a pivotal support and guiding means, trap hooks mounted to swing upon the pivotal support and receive guidance from said means and arranged to approach each other at their acting ends, a bait hook carried slidably on the stem, and having an associated wall, there being a catch on each trap hook adapted to engage releasably with the wall to retain said hooks in one position, spring means tending to swing the trap hooks from the wall to a second position, and other tension means exerting a force on the wall auxiliary to the pull of a fish on the bait hook whereby to release the several trap hooks, substantially as described.

1,632,567. SPEED AND COURSE INDICATOR FOR CONVEYANCES. FREDERICK GRANT SIMPSON, Seattle, Wash. Filed Nov. 28, 1923. Serial No. 677,471. 10 Claims. (Cl. 175—183.)



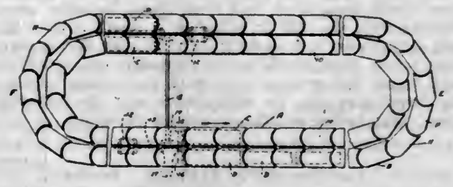
1. Measuring devices of the class described embodying a plurality of electrically separated electrically conductive elements carried on a conveyance movable in an electrically conductive medium and arranged to cut the vertical component of the earth's magnetic field, at the velocity of said conveyance in a plane parallel to the earth's surface, whereby electromotive forces proportional to the rate at which said vertical component of the earth's magnetic field is cut will be generated, means including in part said electrically conductive medium for completing the circuits of which said electrically conductive elements form a part and means for utilizing said electromotive forces to determine the characteristics of horizontal motion of said conveyance.

1,632,568. HAT AND PARCEL CARRIER. HARRISON G. SLOANE, San Diego, Calif. Filed July 31, 1923. Serial No. 654,911. 8 Claims. (Cl. 224—29.)



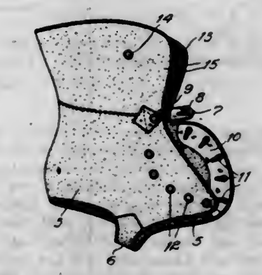
5. In a carrier of the class described, a main supporting means, and a basket like rack resiliently suspended adjacent to and parallel with said support whereby said rack may be quickly forced away from said support for placing articles in said rack.

1,632,569. TRANSPORTATION SYSTEM. HERMAN E. TAYLOR, Detroit, Mich. Filed Oct. 6, 1924. Serial No. 742,002. 20 Claims. (Cl. 104—25.)



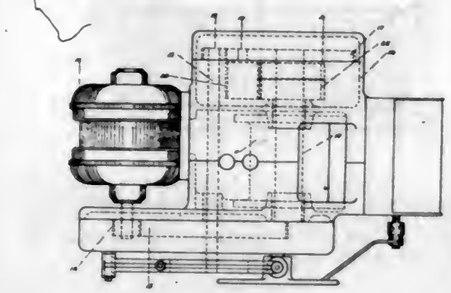
1. A transportation device comprising a platform, means for moving said platform at a constant relatively high speed, a second platform adjacent the first and means for moving the second platform as a unit throughout its length alternately at substantially the same speed of the first platform and then at a relatively low speed.

1,632,570. FOOTWEAR. CHARLES TWEEDIE, Jefferson City, Mo. Filed July 3, 1922. Serial No. 572,538. 5 Claims. (Cl. 36—2.)



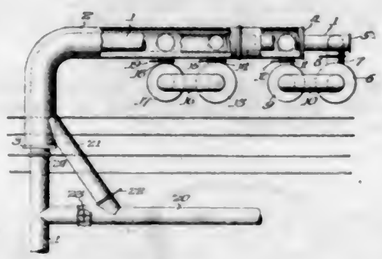
1. An article of footwear comprising an inside quarter and an outside quarter, which are secured together along the back of the article and whose front edges substantially meet at the front line of said article near the throat thereof and are provided with means passing across said throat for detachably securing said quarters together, said inside quarter having an upper fly and a lower fly which extend beyond said front line and are provided with means for detachably securing them to said outside quarter.

1,632,571. HOIST. ARCHIBALD S. WATSON, Detroit, Mich., assignor to Detroit Hoist and Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 19, 1925. Serial No. 3,444. 2 Claims. (Cl. 254—186.)



1. In a hoist, a frame, a drive shaft, a drum shaft, a drive pinion on the drive shaft, a drum on the drum shaft, a driven gear fixed to the drum shaft and a second gear loosely mounted on said drum shaft, the latter gear meshing with the said drive pinion, a pinion carried by said second gear and meshing with the said driven gear fixed to the drum shaft, and a stationary gear fixed to said frame and meshing with said last named pinion, the latter gear and the said driven gear fixed to the drum shaft having a different number of teeth.

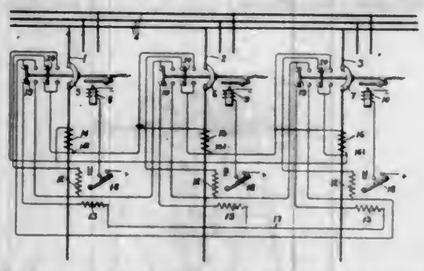
1,632,572. GAS-WASHING SYSTEM. FREDERICK H. WILLCOX, Chicago, Ill., assignor to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed Mar. 9, 1923. Serial No. 623,950. 5 Claims. (Cl. 261—10.)



1. Gas washing mechanism comprising a pair of gas conductors, in enveloping relationship with one another, one of said conductors having communication with hot gas emitting mechanism, gas washing means having communication with said one conductor and having means for delivering clean gas to the other of said conductors, stop means for said one conductor at its end opposite to the point of its communication with said gas emitting mechanism, said gas washing means having communication with said one conductor at a point adjacent to said stop means.

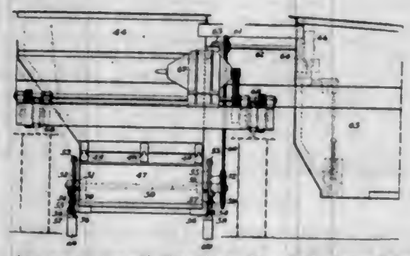
1,632,573. PROTECTIVE SYSTEM. RAOUL WILLHEIM, Vienna, Austria, assignor to General Electric Company, a Corporation of New York. Filed Aug. 31, 1925, Serial No. 53,697, and in Germany Sept. 20, 1924. 5 Claims. (Cl. 175—294.)

1. A protective system for parallel lines comprising a relay for each line, each of said relays having two co-operating windings connected to be energized respectively in accordance with the differences between the currents



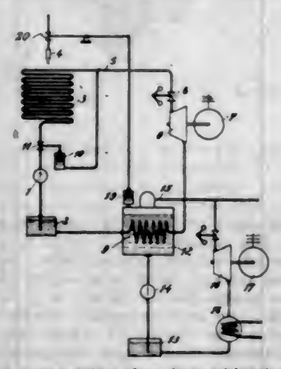
in the line with which the relay is associated and another line and between the currents in a third line and the line with which the relay is associated.

1,632,574. BEET-HANDLING APPARATUS. GEORGE W. YANNEY, Alliance, Ohio, assignor to The Alliance Machine Company, Alliance, Ohio, a Corporation of Ohio. Filed Oct. 5, 1921. Serial No. 505,497. 10 Claims. (Cl. 105—247.)



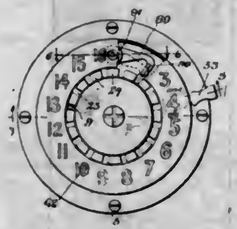
1. An apparatus of the class described, comprising a movable hopper, a plurality of discharging gates carried thereby, a counterweight for holding said gates in closed position when the hopper is empty, a manually controlled automatically released brake cooperating with said counterweight to hold the gates in closed position when the hopper is loaded, and flexible tension means intermediate said brake and said gates, substantially as described.

1,632,575. ARRANGEMENT OR SYSTEM FOR THE GENERATION OF STEAM. WILHELM ABENDROTH, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Berlin-Siemensstadt, Germany, a Corporation of Germany. Filed Oct. 23, 1926, Serial No. 143,654, and in Germany July 7, 1925. 2 Claims. (Cl. 60—49.)



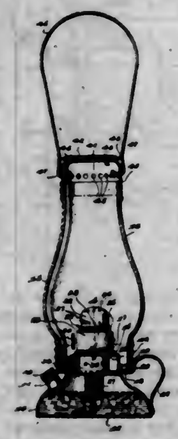
1. In a vapor generating plant in combination a supply well, a pipe system constituting a primary vapor generator, a pump for forcing operating liquid from said well into said generator, means for heating the liquid in said primary generator to a suitable temperature to generate vapor at critical values, a prime mover connected to said generator, a condenser system connected to the exhaust side of said prime mover, a secondary vapor generator containing said condenser system as its source of heat supply, means for feeding operating liquid into said secondary generator, a second prime mover connected to said secondary generator, and means connected with said secondary generator and responding to varying load conditions therein caused by the varying load of the second prime mover, said means being connected with said primary vapor generator to control its vapor output in accordance with the load variations of the secondary prime mover.

1,632,576. LOCK FOR AUTOMOBILES. RAFFAELE ALFISI, Brooklyn, N. Y. Filed Apr. 9, 1926. Serial No. 100,936. 5 Claims. (Cl. 70—127.)



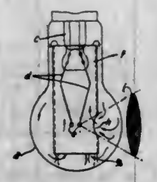
1. A lock for automobiles provided with an ignition circuit comprising a valve for controlling the gasoline pipe of the automobile engine, means acting as a switch contacts interposed in said ignition circuit, a manually actuated structure for connecting said contacts and simultaneously opening said valve, and means co-acting with the manually actuated structure for preventing the bridging of said contacts and the opening of the valve when the manually actuated structure is moved to other than a particular point.

1,632,577. LANTERN. CLAUDE MELBOURNE ANDERSON, Guys Hill, Jamaica, British West Indies. Filed Apr. 8, 1926. Serial No. 100,579. 5 Claims. (Cl. 240—37.)



1. A device of the character described comprising a base section, a fuel reservoir arranged in said base section, a burner, a wick carried by said burner, means arranged on said base section for supporting said burner so that the wick thereof extends into the reservoir, said burner having means arranged thereon for supporting a candle, and means arranged on said burner for reversing the same in order that the wick may be illuminated or a candle may be supported thereby.

1,632,578. ARC LAMP OF THE SEALED TYPE. FRITZ BAHR, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Feb. 21, 1924, Serial No. 694,406, and in Germany May 4, 1923. 5 Claims. (Cl. 176—1.)

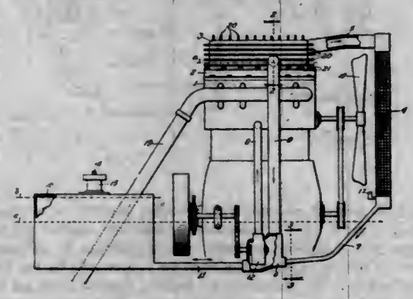


1. In an electric lamp, the following elements in combination, a source of light sealed within an envelope, said envelope having a gas enclosed therein, a tube, said source located within said tube, and opening in said tube, said elements so disposed as to create a draft of said gas through said opening for preventing the passage of emanations from the light source through said opening, said tube vertically disposed and having said opening at the side and having also an opening at the top with the lower end closely whereby the said draft after passing through said opening, passes out through said top opening.

1,632,579. PROCESS FOR TREATMENT OF FRUIT IN THE PREPARATION OF FRUIT FOR MARKET. WILLIAM R. BARGER and LON A. HAWKINS, Washington, D. C., and CLARENCE P. BLATZ, Pasadena, Calif., assignors, by mesne assignments, to the People of the United States. Filed Jan. 25, 1926. Serial No. 83,706. 1 Claim. (Cl. 99—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

A process for the preparation of fruit for the market, consisting in washing the fruit in hot water, and then subjecting the fruit for a period of ten minutes to a bath of liquid such as water with an antiseptic dissolved therein, maintained at a temperature of 35° F.

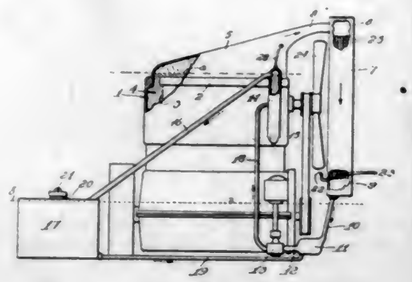
1,632,580. VAPOR-COOLING SYSTEM. LESTER P. BARLOW, Stamford, Conn. Filed Apr. 10, 1926. Serial No. 101,062. 6 Claims. (Cl. 123—174.)



1. In a cooling system for internal combustion engines, the combination with a cylinder jacket and a condenser, of two circuits, one for conveying vapor from the jacket

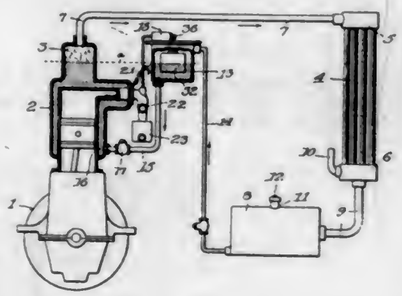
to the condenser and condensate therefrom, and the other permitting circulation of cooling liquid through the jacket without passing through the condenser, a circulating pump in the system, and a reservoir located below the jacket and connected with both of said circuits to supply liquid thereto but disposed out of the path of either of the circuits.

1,632,581. ENGINE-COOLING SYSTEM. LESTER P. BARLOW, Stamford, Conn. Filed Aug. 5, 1926. Serial No. 127,257. 12 Claims. (Cl. 123—174.)



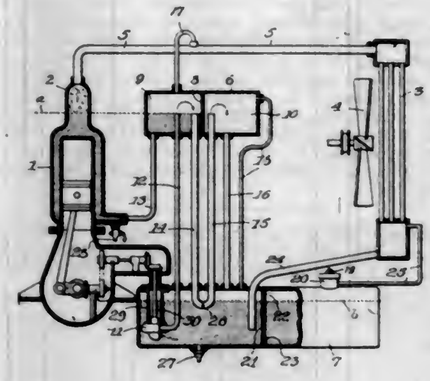
1. In an internal combustion engine vapor cooling system which is open continuously to the atmosphere and which operates at all times at atmospheric pressure, the combination with a cylinder jacket having a steam space above the same, of means providing a circuit whereby a cooling liquid may be continuously circulated without passing through said jacket, and means included in said circuit and connected with said jacket whereby a predetermined liquid level may be maintained in the jacket by supplying liquid thereto from the circuit in direct proportion to the amounts going off as steam in the jacket.

1,632,582. ENGINE-COOLING SYSTEM. LESTER P. BARLOW, Detroit, Mich. Filed Dec. 30, 1926. Serial No. 157,900. 8 Claims. (Cl. 123—174.)



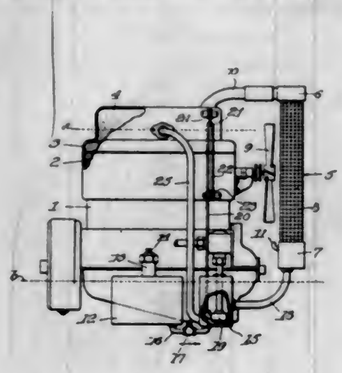
1. The method of supplying cooling liquids to a vapor cooling system of an internal combustion engine of the suction and compression type, which consists in utilizing a portion of the suction produced by the engine in its fuel intake conduit for transferring cooling liquids from an inactive part of the system to an active part thereof adjacent the water jackets of the engine, and for automatically maintaining the liquids at a substantially predetermined level in the jackets.

1,632,583. ENGINE-COOLING SYSTEM. LESTER P. BARLOW, Detroit, Mich. Filed Dec. 30, 1926. Serial No. 157,901. 11 Claims. (Cl. 123—174.)



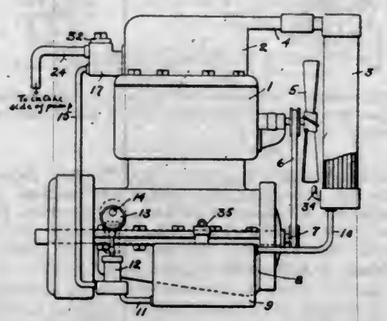
1. In a vapor cooling system for internal combustion engines, the combination with a cylinder jacket having a steam space above the same, of a liquid circuit connected with the jacket for feeding liquids thereto, said circuit including a chamber to regulate the liquid level in the jacket, a supply reservoir for the chamber, and an outlet connection between said chamber and the reservoir and formed to provide a permanent liquid seal between them so as to prevent steam flowing into the reservoir from said chamber.

1,632,584. ENGINE-COOLING SYSTEM. LESTER P. BARLOW, Detroit, Mich. Filed Jan. 3, 1927. Serial No. 158,514. 9 Claims. (Cl. 123—174.)



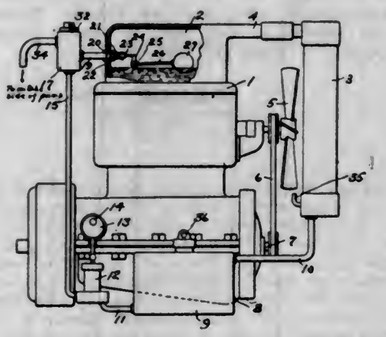
1. In a vapor cooling system for internal combustion engines, the combination with a cylinder jacket having a steam space above the same, of a condenser connected to said space to receive steam therefrom, a chamber to receive the condensate from said condenser and the overflow liquids from said jacket, a pump for forcing liquids from the chamber to said jacket, a reservoir disposed out of the path of hot liquids circulated by the pump and containing a supply of reserve cooling liquid for the system, a connection from the reservoir to the chamber for supplying reserve cooling liquids thereto, and a non-returnable means in said connection.

1,632,585. VAPOR-COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. LESTER P. BARLOW, Stamford, Conn. Filed Jan. 20, 1927. Serial No. 162,358. 12 Claims. (Cl. 123—174.)



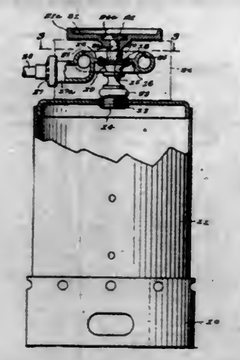
1. In a cooling system for internal combustion engines the combination with a cylinder jacket having a vapor space, of a condenser in communication with said vapor space, a make up reservoir for cooling liquid in communication with the condensers, a distributing box outside the cylinder jacket having an opening therein leading to the cylinder jacket, a pipe leading from the make up reservoir to said distributing box, a pump in circuit with said pipe leading from the make up reservoir to said distributing box and a return pipe leading from said distributing box to the inlet side of the pump.

1,632,586. VAPOR-COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. LESTER P. BARLOW, Stamford, Conn. Filed Jan. 20, 1927. Serial No. 162,359. 8 Claims. (Cl. 123—174.)



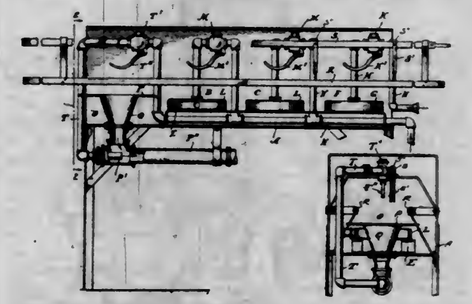
1. In a cooling system for internal combustion engines the combination with a cylinder jacket of means for supplying cooling liquid to said jacket comprising means for circulating the cooling liquid without passing through said jacket and means for so controlling the admission of liquid from said circuit to the jacket as to maintain the cooling liquid in the jacket at a predetermined level comprising a float within the jacket and a valve controlled by said float.

1,632,587. MOUNTED GAS HEATER. NICHOLAS BENENATI, New York, N. Y. Filed Nov. 15, 1926. Serial No. 148,587. 4 Claims. (Cl. 126—230.)



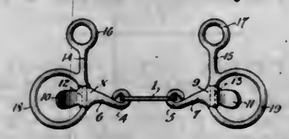
2. The combination with a boiler having an apertured top, of a standard mounted in said apertured top, a plate connected to the upper end of said standard, a flange intermediate the ends of said standard and a burner supported by said flange and disposed beneath said plate.

1,632,588. RECEPTACLE STERILIZER. CARL BRAUN, Canastota, N. Y. Filed May 12, 1923. Serial No. 638,547. 1 Claim. (Cl. 34—26.)



A device for drying milk can parts comprising a perforated horizontal plate adapted to receive the parts, a flared drain dependent from the perforated plate and connecting therewith, a waste pipe connected with the lower end of a drain, an aspirating nozzle of restricted diameter adapted to blow into the waste pipe and create a partial vacuum in the flared drain and the can part to dry the latter, and means cooperating with the milk can part to operate said nozzle when the can part is placed in position on the perforated plate.

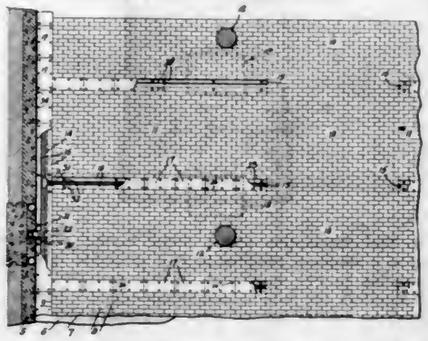
1,632,589. DRIVING BIT. JOHN S. BRISTOL, Danbury, Conn. Filed Dec. 16, 1926. Serial No. 155,214. 2 Claims. (Cl. 54—7.)



1. A bit used in driving race horses comprising a flat centrally positioned plate, a pair of bars loosely pivotally connected with the plate, a siding ear connected with

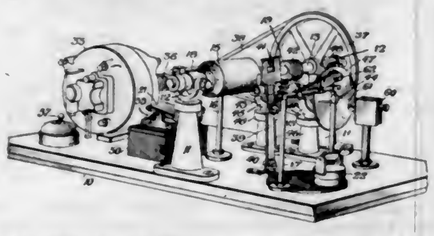
each of said bars, a ring pivotally mounted on each of said bars and adapted to be connected to the reins of the bridle, and means connected with each of the rings for securing the bridle to the overhead strap of the bridle.

1,632,590. BLOCK FLOORING. WILLIAM DALTON, Glenville, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 21, 1926. Serial No. 103,625. 8 Claims. (Cl. 94—4.)



1. The combination with a sub-floor, of a block covering therefor, and means forming a duct in the covering, said duct being open at the top, one dimension of which means is equal to a multiple of the transverse dimension of a block in said covering.

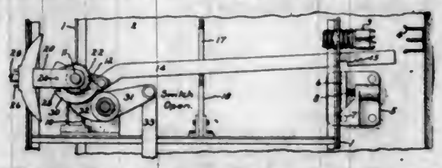
1,632,591. FABRIC-TESTING MACHINE. CALVIN L. DENNIS, Glen Ridge, N. J. Filed May 11, 1926. Serial No. 108,386. 8 Claims. (Cl. 70—51.)



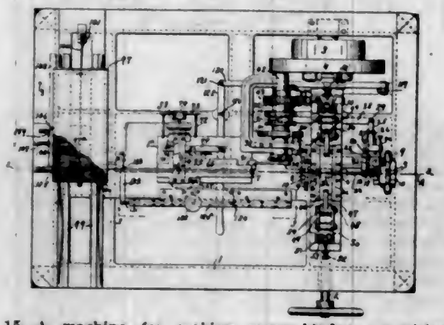
1. A fabric testing machine comprising wearing means, fabric supporting means for supporting a piece of fabric in place with respect to the wearing means, tensioning means for maintaining a portion of the piece of fabric in contact with the wearing means to be subjected to the wearing action thereof, means imparting movement to the portion of the piece of fabric being subjected to the wearing action, power mechanism for actuating the wearing means, indicating means responsive to the operation of a moving part of the power mechanism to indicate the extent of wearing action required for wearing through the portion of the piece of fabric subjected to the wearing action, and means operable when the piece of fabric is worn through for ceasing the operation of the power mechanism.

1,632,592. ELECTRIC SWITCH. HENRY G. FRENCH, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 23, 1925. Serial No. 58,173. 3 Claims. (Cl. 200—50.)

1. In combination, a truck panel, a housing therefor, cooperating contacts carried respectively by the truck panel and the housing an oscillatable member arranged at the face of the truck panel, an actuating member adapted to move the truck panel relative to the housing and selective means operable from the face of the truck panel for connecting the oscillatable member with the actuating member whereby oscillation of the oscillatable member moves the truck panel either in or out of the housing.



1,632,593. BLADE-BACKING MACHINE. HENRY J. GAISMAN, New York, and CONRAD SCHUMACHER, Lynbrook, N. Y., assignors to Autan Corporation, Dover, Del., a Corporation of Delaware. Filed Mar. 23, 1923, Serial No. 627,094. Renewed Nov. 16, 1926. 16 Claims. (Cl. 29—84.)



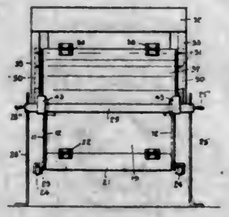
15. A machine for making razor blades comprising means for feeding a strip, means for securing backings one after another along an edge of the strip, and means for severing the strip between the backings to produce individual blades having a backing.

1,632,594. GREASE CAN OR CARTRIDGE. FREDERICK D. GATCHELL, New York, N. Y. Original application filed June 16, 1926, Serial No. 116,433. Divided and this application filed Sept. 21, 1926. Serial No. 136,815. 4 Claims. (Cl. 206—56.)



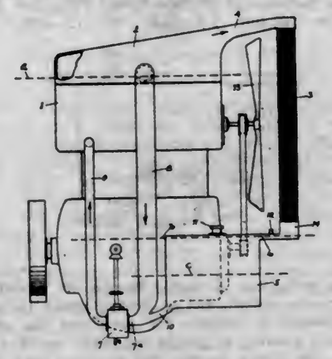
1. A grease container of the character stated, comprising a can having end closures whereof one is solid and designed to be ruptured and whereof the other is slidable under exerted pressure and is provided with a boss, and an annular flange on the can in frictional sealing relation with the boss.

1,632,595. WEIGHER FOR COAL AND SIMILAR MATERIAL. MAX GORDON, Paterson, N. J. Filed July 31, 1926. Serial No. 126,259. 8 Claims. (Cl. 249—19.)



1. A weighing device for coal or the like arranged for continuously delivering weighed quantities of material comprising a rotatable plural partitioned member, a support therefor, resiliently disposed, nonrotatable means on said support cooperating with adjacent partitions adapted to form a receptacle to receive said coal or the like and means for retarding the rotative movement of said member within limits to control the quantity of material received within the receptacle in predetermined amounts by weight.

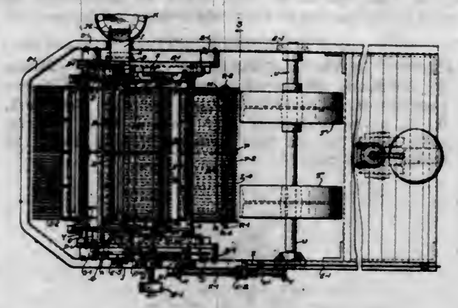
1,632,596. VAPOR-COOLING SYSTEM. LESLIE V. GRANTIER, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed Apr. 10, 1926. Serial No. 101,034. 7 Claims. (Cl. 123—174.)



1. In a vapor cooling system for internal combustion engines, the combination with a cylinder jacket and a cooler, of two circuits, one to convey vapor from the jacket to the cooler and condensate from the latter, and the other permitting the circulation of cooling liquid through the jacket without passing through the cooler, a reservoir below the jacket and connected with both circuits in a manner permitting both the jacket and the cooler to empty into the reservoir when the system is idle, said reservoir being of a size to hold more liquids than actually required by the system so as to maintain a reserve supply therefor, and a circulating pump in the system.

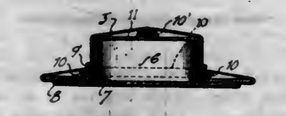
1,632,597. BERRY HARVESTER. THOMAS F. HALL, Omaha, Nebr. Filed Dec. 2, 1925. Serial No. 72,827. 4 Claims. (Cl. 56—330.)

3. In a berry harvester the combination of, a frame mounted on wheels; walls suported by said frame carrying journal bearings; said bearings suporting a rotatable open ported cylinder; said cylinder enclosing a conveyor; berry pickers connected to said cylinder having pivoted jaws; means for rotating said cylinder; means for advancing and receding said pickers slidingly on the ground,



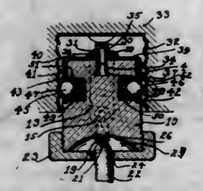
means for opening their jaws when in coincident communication with said ports and conveyor, for emptying their contents onto said conveyor; and means for advancing the harvester intermittently.

1,632,598. HAT PROTECTOR. DAVID M. HART, New York, N. Y. Filed June 22, 1925. Serial No. 38,633. 4 Claims. (Cl. 2—187.)



3. A rain proof covering for straw hats comprising a sheet covering member disposed over the upper surface of the brim and crown of said hat and folded inwardly adjacent the lower surface of the edge portions of said brim, padding secured to the under surface of said sheet covering material and disposed in the angle formed by the junction of the side of said crown and said brim for inclining the covering of said brim and a pad secured to the under surface of said sheet covering member and positioned substantially at the center of the top of said crown for retaining the central portion of the covering of the top of said crown elevated and the adjacent portions inclined to the plane of said top.

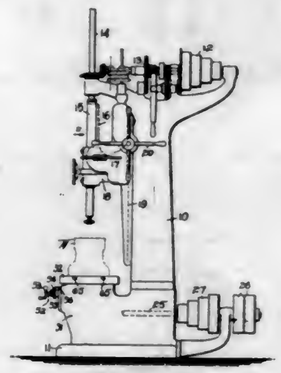
1,632,599. SNAP PLUG. GEORGE A. HAYWARD, Watertown, Conn. Filed Oct. 6, 1925. Serial No. 60,751. 6 Claims. (Cl. 173—360.)



1. In an electric socket plug for non-rotative insertion in an electric wall socket, an insulating body member, a pair of terminal members to be connected to a pair of conductors leading to a power-consuming unit, a pair of conducting strips located on opposite sides of said body member and being electrically connected to one of said terminal members, a pair of balls projecting

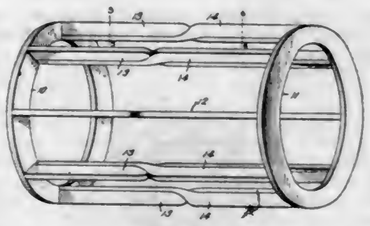
through said strips and adapted to engage the shell of said socket, a pair of springs pressing upon said balls, a pair of metallic bushings for receiving said balls and springs, said bushings being in electrical contact with said springs and said strips, and means for connecting the center contact of the socket to the other terminal member.

1,632,600. INTERNAL-GRINDING MACHINE. FRANK O. HOAGLAND, Bridgeport, Conn., assignor, by mesne assignments, to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 28, 1923. Serial No. 621,785. Renewed May 12, 1926. 23 Claims. (Cl. 21—26.)



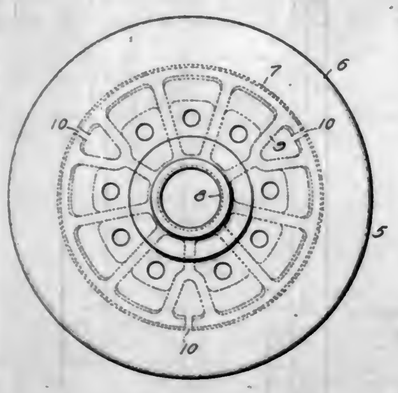
1. In a grinding machine, the combination with a rotary grinding wheel spindle adapted to be adjusted in an axial direction, of a work supporting table capable of movement about an axis parallel to the axis of the spindle and having means for clamping the work thereon, a rotary shaft, a slide mounted thereon to move radially and adapted to engage the table to move the table with it, whereby the table can be actuated by the rotation of said shaft, and means for adjusting the position of said slide radially while the shaft and table are moving.

1,632,601. INDUCTION MOTOR. HENRY M. HOBART, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 4, 1924. Serial No. 741,743. 1 Claim. (Cl. 172—120.)



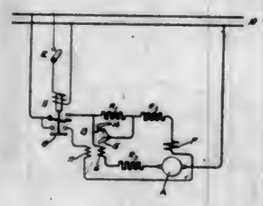
In an induction motor, a secondary member comprising a magnetic member having a plurality of relatively deep slots, two radially arranged conductor bars in each slot, each conductor bar being so constructed that through half its length it is a bottom bar of relatively small depth and through the remainder of its length it is a top bar of relatively large depth, the conductor bars in the same slot being connected at their ends to common end rings.

1,632,602. DREDGE TUMBLER. LEWIS D. HOFFIELD, Natoma, Calif., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Nov. 29, 1926. Serial No. 151,577. 3 Claims. (Cl. 64—17.)



1. A tumbler comprising tumbler heads having integral tread and hub elements joined by spokes some of which are of Y form, the tread being interrupted in the region of the latter to provide pockets for absorbing peening and stretching.

1,632,603. MOTOR CONTROL. BENJAMIN W. JONES, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 3, 1926. Serial No. 152,490. 2 Claims. (Cl. 172—179.)

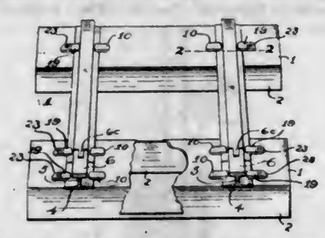


1. In combination, a motor having its armature included in one circuit and a field winding included in another circuit, a resistor for governing the energization of said winding to govern the motor speed, a switch biased to the closed position for shunting said resistor, and an electroresponsive device energized responsively to the motor armature current and provided with means for automatically effecting the opening of said switch and the insertion of said resistor in the circuit of said field winding when the motor armature current is in a predetermined direction and is less than a predetermined value, the said device being provided with windings for magnetically holding said switch in its biased position for all values of motor armature current above said predetermined value and for all values of motor armature current when said current is in the direction opposite to said predetermined direction.

1,632,604. BEARING METAL. PAUL KEMP and THEODOR KITTL, Vienna, Austria. Filed Aug. 10, 1925, Serial No. 49,450, and in Austria Aug. 23, 1924. 2 Claims. (Cl. 75—1.)

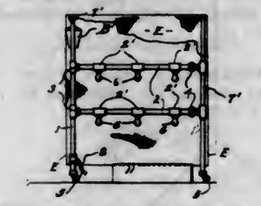
1. Bearing metals consisting of 65–77% lead, 3–14% tin, 10–27% antimony and 0.7 to 2.5% arsenic.

1,632,605. SECURING MEANS FOR RAILS. STANISLAUS KIEN, Rochester, N. Y. Filed July 15, 1926. Serial No. 122,595. 5 Claims. (Cl. 238—374.)



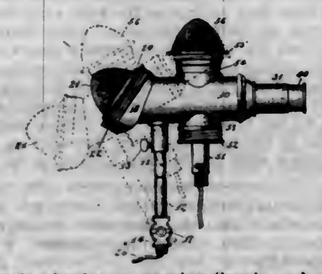
1. The combination with a railroad tie formed with a pocket having an extension to one side provided with a reduced upper portion, of a rail securing device having an anchoring portion with a reduced portion fitted in the reduced portion of the pocket extension and an enlarged portion received in said extension below said reduced portion, and means detachably secured in that portion of the pocket to one side of the extension for holding said rail securing device in the extension and in cooperation with the rail supported on the tie, said means embodying cooperating wedge members adjustably connected.

1,632,606. PHOTOGRAPHER'S LIGHT-DISTRIBUTING MEANS. ERNEST V. KING, Topeka, Kans. Filed Oct. 2, 1926. Serial No. 139,187. 3 Claims. (Cl. 240—1.)



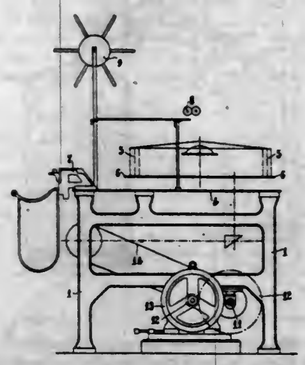
1. In a photographer's light distributing means, the combination of a front end member, and a rear end member, the said members being arched, a plurality of laterally extending members connecting the first said members, all of said members functioning as conduits for electric wiring, a plurality of lamp sockets distributed along the last said members, and lamps engaging therein, lamp sockets in the arch of the front end member, lamps carried by the arch and slidably engaging thereon, a cable connecting the lamps with the last said sockets, a switch board, and a wiring for said lamps, the board being placed in operative position to a camera, all for the purpose described.

1,632,607. DISPLAY DEVICE. ARTHUR H. KOGGE, Jersey City, N. J. Filed Oct. 26, 1926. Serial No. 144,314. 5 Claims. (Cl. 88—24.)



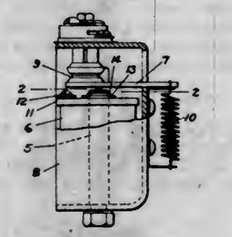
3. A casing having an opening therein, a lamp in the casing, an open ended tubular element secured in the opening, a telescope slidably adjustable in the tubular element, a license plate interposed between the telescope and lamp, a magnifying lens between the plate and lamp, said magnifying lens and plate being carried by oppositely facing cup-like members screwthreadedly connected together.

1,632,608. BRAIDING MACHINE. EMIL KRENZLER, Barmen, Germany. Filed Oct. 8, 1925, Serial No. 61,165, and in Germany Oct. 21, 1924. 5 Claims. (Cl. 96—8.)



1. The combination, in a single-thread braiding machine, of a raceway plate, and a group of raceway carriers on the raceway plate, said carriers having a pitch less than 50 mm. from center to center of adjacent carriers throughout the group.

1,632,609. ELECTRICAL INSTRUMENT. THOMAS L. LEE, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 4, 1925. Serial No. 20,781. 3 Claims. (Cl. 175—336.)

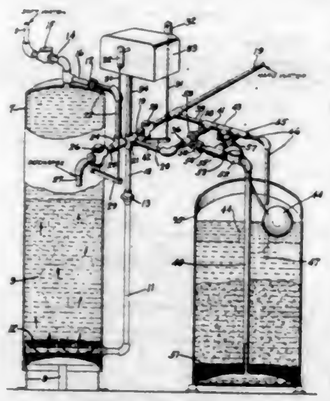


1. In an electrical instrument, the combination, with a magnet, of a compensating magnetic shunt consisting of metal having a pronounced temperature coefficient of permeability; and means for adjusting the effect of said shunt, comprising a body of magnetic material, of different temperature coefficient, removably attached to said shunt and of less extent than the shunt.

1,632,610. CONTROL MECHANISM FOR WATER SOFTENERS. LYNN G. LINDSAY, Minneapolis, Minn. Filed July 6, 1925. Serial No. 41,657. 7 Claims. (Cl. 210—24.)

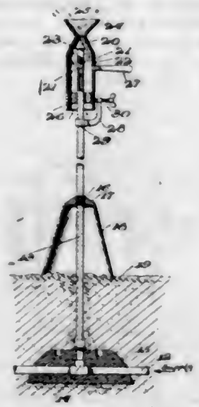
1. A device of the class described comprising a bed tank having a hard water supply pipe, a valve for said pipe, a brine tank, pipe connections between the hard water pipe and brine tank, including an injector arranged for

sucking brine from the brine tank when the hard water valve is closed, an auxiliary hard water pipe within the brine, a valve in the auxiliary line controllable by brine



level, and pipe connections between brine and auxiliary hard water pipes, including automatically operable valves adapted to open toward the injector.

1,632,611. COMBINED FROST-PREVENTING AND IRRIGATING DEVICE. RICHARD HUGHES LLOYD, Hastings, W. Va. Filed Sept. 15, 1925. Serial No. 56,498. 1 Claim. (Cl. 299—58.)



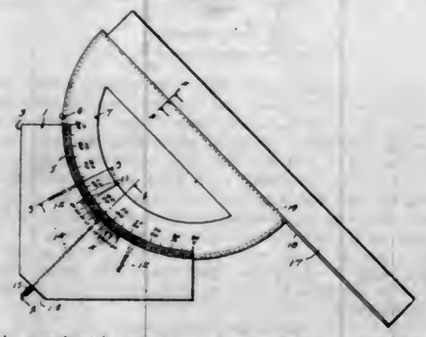
In a combined irrigating and frost preventing device, the combination of a stand pipe provided with a conically shaped closed upper end and having a plurality of apertures for the discharge of water, a casing embracing the upper end of the stand pipe and having a frusto-conically shaped upper end adapted to be moved towards or away from the conically shaped end of the stand pipe for restricting the flow of water from the stand pipe, said upper end of the casing being provided with a discharge opening adjacent the conically shaped end of the stand pipe, the lower end of the casing being open to the atmosphere, means for adjusting the frusto-conically shaped end of the casing towards and away from the conically shaped end of the stand pipe, and means for locking the casing in its adjusted position.

1,632,612. GASTROSCOPE. GUNTHER LOECK, Berlin, Germany, assignor to Firm of Georg Wolf G. m. b. H., Berlin, Germany. Filed Dec. 18, 1925. Serial No. 76,344, and in Germany Dec. 19, 1924. 2 Claims. (Cl. 128—S.)



1. Outer tube of a gastroscope, adapted to receive an inner tube destined for observation, the outer tube having a curved beak and containing within this beak an illuminating device, and two windows disposed on the outer tube, the one of these windows lying laterally and the other lying in the axial direction of the outer tube, both in such a relative position as to afford a simultaneous lookout through both windows with a single sighting tube.

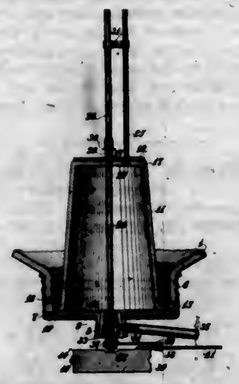
1,632,613. ENGINEER'S PROTRACTOR. DAVID CABRERA LOPEZ, Chicago, Ill. Filed Dec. 10, 1925. Serial No. 74,575. 1 Claim. (Cl. 33—75.)



An engineer's protractor comprising a base having angularly related straight edges and an arcuate seat, the lower outer corner of the base being cut away to provide an inclined surface and the base having an opening extending from said surface to the seat, a rib formed on the seat and provided in the lateral sides thereof with grooves, a limb provided with an arcuate groove receiving the rib and having projections on its side walls entering the grooves of the rib, a friction block movably carried by the rib and contacting with the projections, a rod connected to the friction block and slidably mounted in the opening of the base, and a nut threaded on the rod and contacting with the inclined surface of the base.

1,632,614. LIQUID-DISPENSING DEVICE. ERIC H. MICKELSON and ERIC K. SKONBERG, Brooklyn, N. Y. Filed Oct. 2, 1926. Serial No. 139,098. 7 Claims. (Cl. 221—112.)

1. In a liquid dispensing device, a thermally insulated liquid reservoir, a closure member therefor, means for supporting said reservoir in an inverted position, a liquid measuring device mounted on said closure member, valve means for filling said container from the reservoir, means to operate said valve means, comprising a tubular



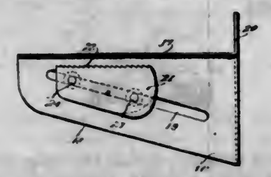
member extending from said valve means upwardly to a point above the liquid level and downwardly to a point below said closure to provide a vent for said reservoir.

1,632,615. VACUUM TUBE. LORIS E. MITCHELL and ARTHUR J. WHITE, East Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed June 5, 1924. Serial No. 717,951. 8 Claims. (Cl. 250—27.5.)



3. In a partially completed vacuum tube comprising an enclosing anode open at its upper end, the combination with said anode of a support in heat conductive relation therewith extending over said upper end, and a quantity of getter on the lower surface of said support.

1,632,616. CLOTHESLINE HOLDER. GEORGE J. A. MOLIQUE, Roxana, Ill. Filed Feb. 3, 1927. Serial No. 165,636. 1 Claim. (Cl. 24—136.)

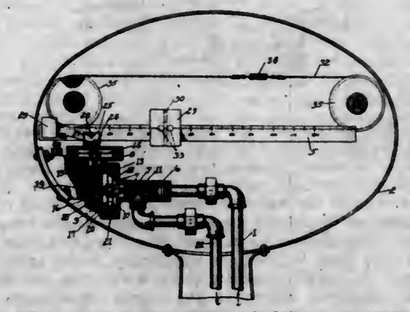


A clamp comprising a housing having a top and a side wall provided with a slot located at an angle to the horizontal, a clamping block in the housing and a plurality of means secured to the block and received by the slot for guiding the clamping block towards the top of the housing, a rope adapted to have an end clamped between the upper edge of the clamping block and the top of the housing, the upper gripping face of the clamping block being provided with teeth, the teeth being curved to provide a longitudinal groove to receive the rope, said clamping block at the rear end thereof being provided with a groove to receive a portion of the rope which is disposed inwardly of the free end so that a pull on the rope will cause the rope to engage around the groove to exert a pressure on the block and force said block towards the main body of the rope so that the teeth of the block will clamp the free end of the rope against the top of the housing.

1,632,617. RUBBER VULCANIZATION AND PRODUCTS THEREOF. STUART B. MOLONY, Conshohocken, Pa., and YASUJURO NIKAIDO, Bay City, Mich., assignors, by mesne assignments, to Charles W. Brown, William L. Clause, and Edward Pitcairn, Pittsburgh, Pa. Filed Apr. 12, 1920, Serial No. 373,368. Renewed Dec. 18, 1926. 5 Claims. (Cl. 18—53.)

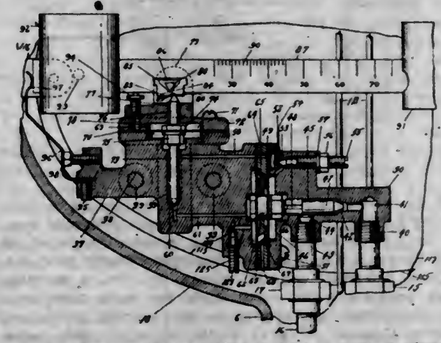
4. The process of vulcanizing rubber comprising combining with the same a vulcanizing agent and an accelerator comprising an aromatic substituted dithiocarbamate.

1,632,618. AIR-PRESSURE REGULATOR. EARL M. MORLEY, Delta, Ohio, assignor, by direct and mesne assignments, to The Air-Scale Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 8, 1924, Serial No. 691,419. Renewed Aug. 5, 1926. 24 Claims. (Cl. 50—11.)



3. A tire inflation apparatus embodying a pressure air supply line, a pressure air delivery line, and an air supply control device therebetween including a valve for opening and closing as to said supply line, and a controller for effecting intermittent operation of said valve, said controller embodying a diaphragm having a chamber, said diaphragm in its flexing having transmission for pulsating said valve in effecting intermittent air delivery into the pressure air delivery line, there being an exhaust from said chamber open during closing pulsation of said valve.

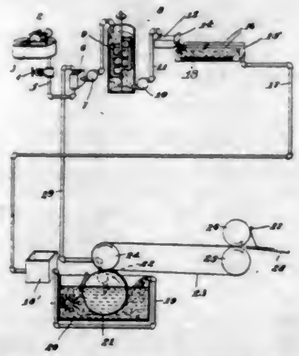
1,632,619. TIRE-INFLATION MECHANISM. EARL M. MORLEY, Delta, Ohio, assignor to The Air-Scale Company, Toledo, Ohio, a Corporation of Ohio. Filed May 2, 1925. Serial No. 27,414. 5 Claims. (Cl. 50—11.)



1. A primary valve housing having a port, a plunger movable in said housing for opening and closing said port, a diaphragm coacting with the plunger for actuating the

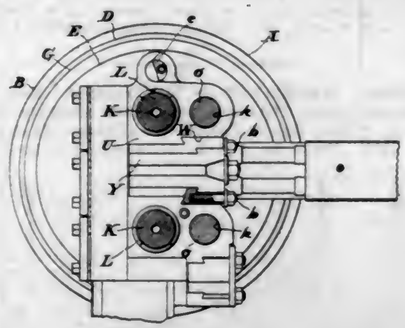
plunger, said diaphragm defining a port chamber on one side thereof and a second chamber on the other side thereof, there being a passage between said chambers, a secondary valve in said passage, and a muffled leakage for said second chamber.

1,632,620. PROCESS OF CLEANING ASBESTOS. ERNEST F. NANFELDT, New Haven, Conn. Filed Jan. 20, 1920. Serial No. 352,733. 4 Claims. (Cl. 209—2.)



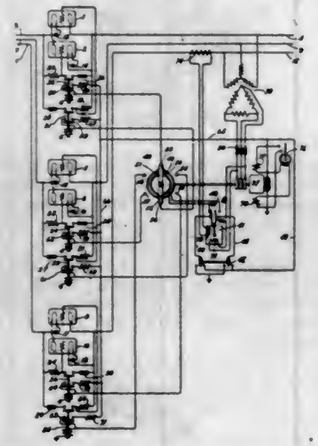
1. The method of separating asbestos fibre from rock and associated impurities which comprises submerging the mineral in water, passing the mineral continuously and repeatedly through rubbing and crushing means by a circulation of the water of submergence in a closed cycle to break up the friable elements and separate the integral fibres, withdrawing the mineral fibre from said cycle at will from time to time and applying a gentle agitation thereto, to further separate the mineral from the fibre, then completely separating the lighter constituents by flotation and the heavier constituents by sedimentation.

1,632,621. DRILL SHARPENER. ARTHUR E. PETERS, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,007. 3 Claims. (Cl. 76—5.)



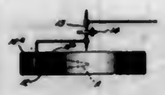
3. In a drill sharpener, the combination of a base having a flange, a raising cylinder integral with said base, an anvil block having a clamping cylinder supported on said flange, a piston in said clamping cylinder having a reduced extension in said raising cylinder, a movable cross head above said anvil block, two main posts having their lower ends secured to the clamping piston and passing through the anvil block, the upper ends being secured to the cross head, said posts being located on a diameter extending through the longitudinal axis of the machine, a dollying device mounted at right angles to the diametric line of the said main posts, two guiding columns for the cross head supported in the anvil block at that side of the anvil block adjacent the dollying device and located on lines substantially at right angles to the diametric lines passing through the axes of the main posts, and recesses in the anvil block and cross head located between the posts and guiding columns for holding dies, whereby the cross head is held in alignment with the anvil block and side thrust and tilting of the cross head under impact of the forging operations is prevented.

1,632,622. CONTROL SYSTEM. DAVID C. PRINCE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 27, 1925. Serial No. 33,273. 12 Claims. (Cl. 171—97.)



1. The combination of an alternating current circuit comprising a plurality of sections, electron discharge devices connected between said sections in reverse order for transmitting current therebetween, and means operated in synchronism with said circuit for causing each of said devices to be rendered non-conductive when the current transmitted therethrough is zero.

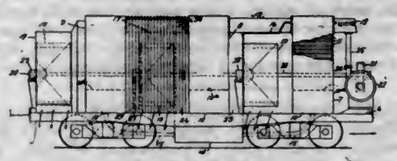
1,632,623. ELECTRIC MEASURING INSTRUMENT. THEODORE A. RICH, East Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 19, 1926. Serial No. 142,722. 5 Claims. (Cl. 171—95.)



1. An electric measuring device of the magnetic vane type having a pair of substantially cylindrically shaped energizing coils placed one inside the other and connected to produce fluxes in opposite directions through their axes, and having relatively movable magnetic vanes mounted between said coils.

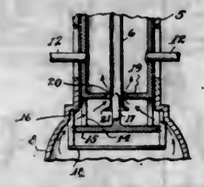
1,632,624. CONDENSER PLANT FOR LOCOMOTIVES. CARL ROGIVUE, Tegel, Germany, assignor to General Electric Company, a Corporation of New York. Filed Dec. 19, 1924. Serial No. 757,055, and in Germany Feb. 6, 1924. 9 Claims. (Cl. 257—25.)

1. The combination with a vehicle, of means carried thereby for condensing exhaust elastic fluid directly by air currents, said means comprising a surface condenser having a plurality of independent units spaced apart longitudinally of the vehicle, each of said units occupying substantially the full width and height of the vehicle whereby units of maximum permissible cross-section are provided, means for utilizing the windage air currents



set up by the speed of travel of the vehicle in effecting cooling of the condenser units uniformly over the full cross-section thereof, and means connected with each condenser unit for accelerating the flow of the air currents so utilized and exhausting the same below the vehicle.

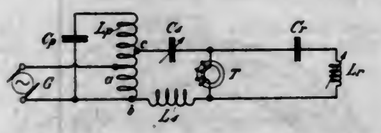
1,632,625. CARBONATED-WATER-CUT-OFF VALVE FOR SODA FOUNTAINS. OTIS SASSER, Clovis, N. Mex. Filed Dec. 2, 1926. Serial No. 152,200. 11 Claims. (Cl. 225—24.)



1. In a liquid dispensing device including inner and outer conduits, rigidly connected valve elements for controlling either or both of said conduits.

2. In a liquid dispensing device including inner and outer conduits, a disc valve for closing the outer conduit, and a plug disposed on said disc valve and adapted to close said inner conduit.

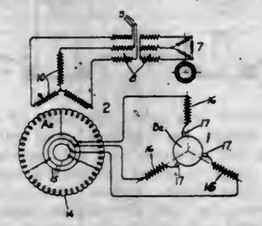
1,632,626. FREQUENCY-MULTIPLICATION SYSTEM. KARL SCHMIDT, Berlin-Sudende, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed May 7, 1925, Serial No. 28,695, and in Germany May 31, 1924. 5 Claims. (Cl. 172—281.)



1. A frequency multiplication system comprising in combination an oscillating circuit including a self induction and a capacity, a high frequency generator and a frequency transformer, said self induction and said capacity being tuned to the fundamental frequency of said generator, and said generator and said transformer being connected respectively across portions of said self induction.

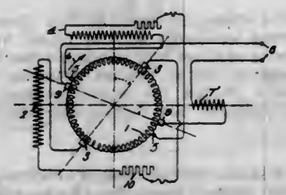
1,632,627. SPEED-CONTROL SYSTEM. LUCIEN SCHOMBOURGER, Paris, France, assignor to General Electric Company, a Corporation of New York. Filed Jan. 24, 1925, Serial No. 4,597, and in France Feb. 26, 1924. 3 Claims. (Cl. 172—274.)

1. The method of controlling the speed and power factor of an induction motor cascaded with a series excited commutator regulating machine which consists in shifting the brushes of said regulating machine in accordance with the load on said motor in such manner that at light loads the position of the brushes of the regulating machine is such as to cause said machine to function as a generator to supply magnetizing current to the induction motor, and at heavy loads the position of the brushes of the regulating machine is such as to cause said machine to operate as a motor receiving energy from the secondary of said induction motor.



2. A speed control system comprising an induction motor and a commutator regulating machine having a main series field winding, said regulating machine being connected in cascade with the secondary of said induction motor, adjustable brushes on said commutator machine, means responsive to the load on said induction motor for shifting said brushes counter to the direction of rotation of said commutator machine in proportion to the load on said motor, and means for moving said brushes in the opposite direction when the load decreases, the angle of such brush shift extending both sides of a neutral position with respect to the series field windings with which the brushes are connected.

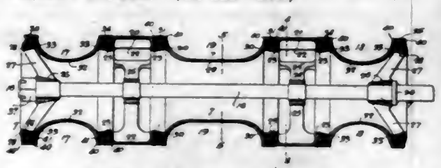
1,632,628. DYNAMO-ELECTRIC MACHINE. HIDDE K. SCHRAGE, Paris, France, assignor to General Electric Company, a Corporation of New York. Filed June 11, 1925, Serial No. 36,523, and in France July 1, 1924. 4 Claims. (Cl. 172—276.)



1. A dynamo electric machine comprising a poly-phase shunt field winding, a compounding winding, an armature winding movably related to said field windings, a commutator for said armature winding, shunt excitation brushes associated with said commutator for transmitting current from said armature winding to said poly-phase shunt field winding, load brushes independent of said shunt excitation brushes associated with said commutator, and circuits for connecting said load brushes in series with said compounding field, said shunt excitation and load brushes being independently adjustable.

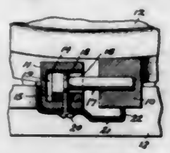
4. A dynamo electric machine comprising a stator member provided with a poly-phase shunt field winding having the phases independent, and a compounding winding, a rotatable armature winding provided with a commutator associated with said stator member, a pair of shunt excitation brushes on said commutator for each phase of said shunt field winding, said brushes being relatively adjustable with respect to each other and to said stator member, load brushes on said commutator independently adjustable with respect to said shunt field brushes, means for connecting said armature and compounding winding in series with said load brushes, and means for varying the shunt field excitation of said machine independently of the adjustment of said shunt field brushes.

1,632,629. CYLINDRICAL VALVE FOR LOCOMOTIVES. ELLWOOD M. SHANNON, Bala, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 5, 1924. Serial No. 724,464. 1 Claim. (Cl. 121—193.)



The combination in a cylindrical valve, of a valve rod, two pairs of spiders, the spiders of each pair comprising an outer ring and a central hub; packing rings mounted on the outer rings; a central cylindrical section located between the intermediate spiders; two cylindrical end sections between the said intermediate spiders and the end spiders, said cylindrical end sections being less in length than the central section; and means on the rod for clamping the series of parts together, said cylindrical sections and spiders forming a valve having a central passage therein extending from one end of the valve to the other.

1,632,630. WAFFLE IRON. ALBERT H. SIMMONS, Oak Park, Ill., assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill., a Corporation of New York. Filed Mar. 23, 1924. Serial No. 701,851. 10 Claims. (Cl. 53—10.)



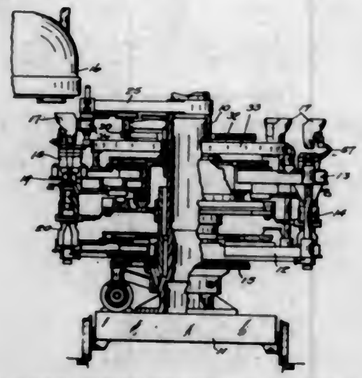
1. A pivotal connection for waffle iron plates and the like, comprising extensions on said plates, one of said extensions being provided with a recess, a bushing secured in said recess in spaced relation with the inner end thereof, and a pin on the other extension extending through said bushing and locking over the inner end thereof.

1,632,631. VALVE GUIDE FOR FLUSHING TANKS. CHARLES M. SMITH, Waco, Tex., assignor of fifty-one per cent to Francis M. Compton, Waco, Tex. Filed May 12, 1926. Serial No. 108,529. 1 Claim. (Cl. 4—56.)



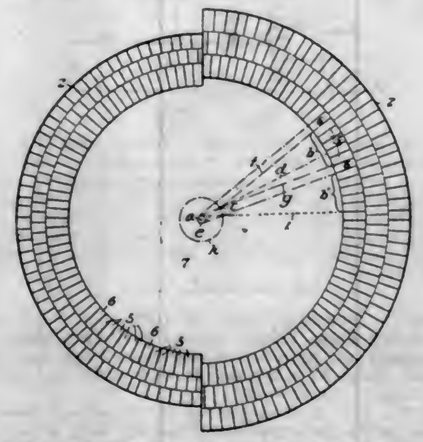
In combination with the discharge pipe and the valve and valve seat of a flushing tank, a plug in the valve having upper and lower threaded portions, an upper guide rod threaded into engagement with the upper threaded portion of the plug, a lower guide rod having upper and lower threaded ends, the upper of which ends is threaded into the lower threaded portion of the plug, a nut adjustably threaded onto the lower threaded end of the lower guide rod, a cage composed of a series of wires secured to the nut at their upper ends and having intermediate angular parts, the wires being secured together at their lower ends, the angles of the wires forming a series of guides which engage the discharge pipe throughout its inner circumference and a lock nut on the threaded part of the lower guide rod for holding the first named nut in its adjusted position.

1,632,632. GLASS-FORMING MACHINE. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 20, 1921. Serial No. 493,784. 12 Claims. (Cl. 49—9.)



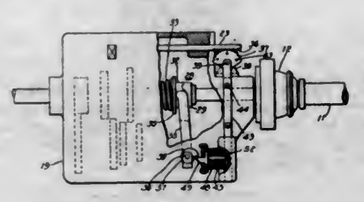
2. In a glass forming machine, the combination of a rotary mold carriage, molds thereon, a head adapted to cooperate with the molds in succession, automatic means to cause said head to advance with a mold and then return and advance with a succeeding mold, and means for moving said head toward and from the axis of the mold carriage into and out of position over the mold with which it is advancing.

1,632,633. LINING FOR BLAST FURNACES AND THE LIKE. WALLACE A. STUART, Cleveland, Ohio, assignor of one-half to Brooke L. Jarrett, Sewickley, Pa. Continuation of application Serial No. 758,483, filed Dec. 27, 1924. This application filed Jan. 26, 1926. Serial No. 83,847. 2 Claims. (Cl. 72—93.)



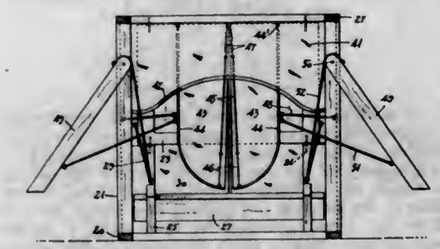
1. A circular furnace wall construction of non-uniform diameter made up of blocks laid in horizontal courses, each course having a plurality of concentric rows of blocks, each row containing a complete set of key blocks having radial sides and which are segments of a circle, said set of key blocks being capable of turning a complete circle when laid side by side, the key blocks in the respective rows being segments of concentric circles, each course whose diameter is greater than the diameter of the circles of which the key blocks are segments having one or more straight sided blocks in each of its rows, a number of key blocks in each of the rows of a course being equal and the number of straight sided blocks in each row of a course also being equal, the width of the inner ends of the blocks in each concentric row outwardly being the same as the outer width of the key blocks in the next adjacent inner row, the straight sided blocks all having the same width, the blocks of each row of the same course being laterally offset with respect to the blocks of the adjacent rows so as to break joints, the blocks in each row of a course being laterally offset with respect to the corresponding rows of adjacent courses so as to break vertical joints therewith, and the blocks of each row of a course being of a length different from that of the blocks in the corresponding rows of the next adjacent courses so that the vertical joints between the ends of the blocks are broken.

1,632,634. MOTOR-VEHICLE TRANSMISSION MECHANISM. JOHN A. STUMPENHORST, Wilkinsburg, Pa., assignor to Duplex Transmission Company, a Corporation of Delaware. Filed Apr. 25, 1923. Serial No. 634,458. 6 Claims. (Cl. 74—58.)



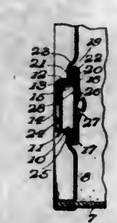
1. In a motor vehicle transmission mechanism, the combination with a motor driven change-speed gear set comprising a plurality of shifter rods, and an auxiliary clutch operatively connecting said gear set to a driven means, of a single means, actuated by either of said shifter rods when moving from a neutral to an operative position only, for actuating said auxiliary clutch.

1,632,635. FLYTRAP. RAOLO TAYLOR and JOHN W. COOPER, Sedalia, Mo. Filed June 28, 1926. Serial No. 119,138. 2 Claims. (Cl. 119—156.)



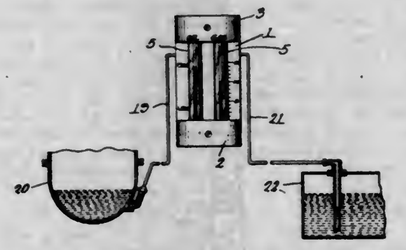
1. A device of the character described comprising a frame having a passageway for an animal, scrapers of flexible material to contact with the sides of the animal, rods suspended within the frame for transverse movement and having their lower terminals converging toward one another, the outer edge portions and lower ends of said scrapers being attached to said rods, and means operated by the animal when approaching said scrapers for swinging said rods away from one another.

1,632,636. CHECK VALVE. ALBERT P. TREADWELL and JOSIAH FLOURNOY, Columbus, Ga. Filed Feb. 25, 1926. Serial No. 90,594. 8 Claims. (Cl. 251—127.)



2. A check valve having a casing comprising a body formed with a head at one end and open at its opposite end, said head having an inlet opening formed therein said body having an out-turned flange at its open end, a second head having an outlet opening, and bendable means carried by said second head adapted to be bent over the edge of said flange and into engagement with an adjacent support for connecting the second head with the casing body and with said support.

1,632,637. GAUGE. VALENTINE WILLIAM TRIPP, Blue Hill, Nebr. Filed Sept. 17, 1924. Serial No. 738,253. 1 Claim. (Cl. 73—31.)

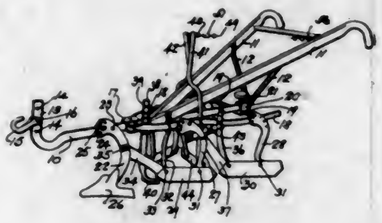


In a low-pressure gauge the combination with a block having a bore extending thereinto from its lower end, the lower end of the bore constituting a drain outlet, there being a pressure inlet at the upper end of the bore, of a removable plug normally closing the lower end of the bore, rounded extensions upon the upper and lower portions of the block, there being an opening extending through the upper extension and a recess within the lower extension, said opening and recess being in alinement, said block having a passage for maintaining communication between the lower portion of the bore and the recess within the lower extension, one end of said passage opening through the block, a removable closure for said end, a transparent tube insertable downwardly through the opening in the upper extension to seat the ends of the tube within the recess and the opening respectively, a screw plug removably mounted within the opening for holding the tube in position, said plug having a vent therein opening directly into the tube and a colored liquid within the tube and passage and the lower portion of the bore.

1,632,638. CULTIVATOR. JAMES W. WALKER, Memphis, Tenn. Filed Aug. 2, 1926. Serial No. 126,432. 9 Claims. (Cl. 97—172.)

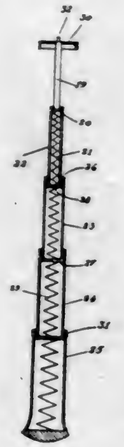
1. In a cultivator having a central draft beam and side bars laterally adjustable, with reference thereto, a central standard depending from said draft beam, standards

depending from said side bars, a blade pivotally attached to each of said latter standards, adjustable supporting members depending from said side bars pivotally attached



to the forward end of each blade, and a draft member extending from each blade to the standard forward thereof.

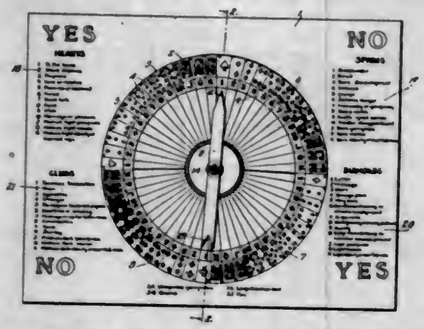
1,632,639. POCKET UMBRELLA. ALFRED WEISE, New York, N. Y. Filed Feb. 25, 1925. Serial No. 11,387. 1 Claim. (Cl. 135—46.)



An umbrella of the class described comprising a covering, articulated ribs supporting said covering, a ring retaining the ribs in radial positions around an axis, a handle comprising telescoping tubular sections, the upper section comprising a rod, said tubular sections having external flanges at their lower ends, and a floor at said lower ends, the lowermost tubular section having threads at its upper end, a cap on the upper end of said rod adapted to engage the threads of the lowermost tubular section to lock said tubular sections in telescoped position, one within the other, internal shoulders on the upper ends of the tubular sections, and springs mounted on the floors within the tubular sections adapted to extend the tubular section above the section in which the spring is mounted.

1,632,640. GAME. FRANCES RAE BAER, Kansas City, Mo. Filed Feb. 5, 1926. Serial No. 86,191. 6 Claims. (Cl. 273—141.)

1. In a game of the character described, a field bearing an annular series of card groups, each including representations of the cards of a suit, and bearing a separate schedule for each of the groups including identifying and oracle meaning designations of the several cards of the suit, and a pointer pivotally mounted concentrically of the series.

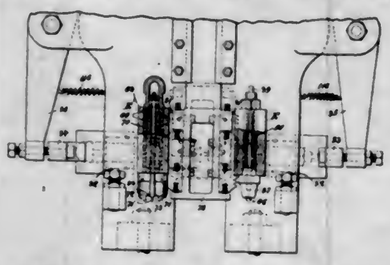


1,632,641. RIGID AIRCRAFT. FRANK BAUER, Williamsville, N. Y. Filed Jan. 2, 1926. Serial No. 78,852. 10 Claims. (Cl. 244—3.)



1. In a rigid aircraft, a framework consisting of upper and lower box beams and girders fastened to and connecting said box beams, part of said girders extending perpendicular to said box beams and others extending diagonally to said box beams.

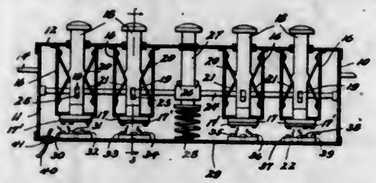
1,632,642. MACHINE FOR THE MANUFACTURING OF BUTTONS. JOHAN ALFRED BLADH, Askersund, Sweden, assignor to Aktiebolaget Knappfabriken, Askersund, Sweden. Filed July 26, 1923, Serial No. 654,027, and in Sweden Aug. 2, 1922. 8 Claims. (Cl. 79—4.)



1. A machine for an entirely automatic manufacture of buttons composed of one upper part and one lower part including a frame having two pathways leading to a common place of the machine and adapted for guiding two blanks, an embossing device arranged in each of the pathways for shaping and piercing the button parts in the blanks, a feeding device for each blank, a cutting device for each blank in which the button part is severed from the blank, a rotatable carrier associated with each cutting device for receiving the severed button parts from the cutting device, means for oscillating the carriers so that the members of the carriers which face the blanks and receive the button parts from the blanks move the button parts into a position in which they face each other and means associated with the carriers,

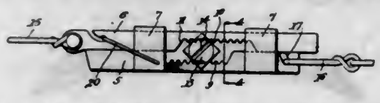
when the members thereof face each other, for uniting the button parts, said oscillating means turning each carrier in the opposite direction to its normal position in order to receive the next button part.

1,632,643. SPEED AND DIRECTION INDICATOR. CHRYSTAL COBB and CHARLES C. MARSHALL, Akron, Ohio. Filed Apr. 15, 1922. Serial No. 553,275. 3 Claims. (Cl. 200—16.)



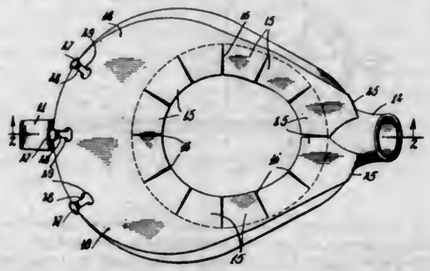
1. In a bank of control switches for a series of coacting electric circuits, an enclosing casing, a plurality of pairs of contacts supported upon the bottom of said casing, a plurality of frames depending from the top of said casing, a plurality of switches slidably mounted in said frames and adapted to bridge the pairs of contacts, means for yieldingly maintaining said switches in either circuit make or break position, and means for shifting all of said switches from circuit breaking position comprising a rod mounted in the sides of the casing and having lugs engaging the switches.

1,632,644. ANTISKID-CHAIN-TIGHTENING DEVICE. EMERSON CROWELL, Dalzell, S. Dak. Filed July 29, 1926. Serial No. 125,740. 7 Claims. (Cl. 24—68.)



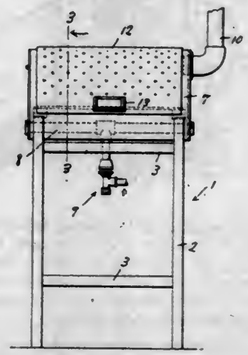
1. A strand tightener comprising in combination, a pair of relatively movable stretching members adapted to be connected respectively to the ends of a strand to tighten the same, one of said members having a recess for the reception of one end of said strand and adapted to be covered to prevent displacement of said end when said members are moved to operative stretching position and to be opened when said members are moved to inoperative non-stretching position, and means for moving said stretching members relatively.

1,632,645. SANITARY BEDPAN. ARTURO DE LUNA, Buffalo, N. Y. Filed Oct. 21, 1926. Serial No. 143,055. 2 Claims. (Cl. 4—112.)



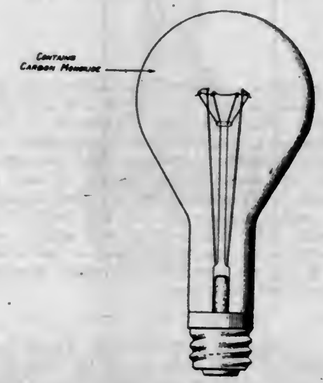
1. A sanitary cover for bed pans comprising a main element adapted to encircle the aperture of the said bed pan, and to cover the portion adjacent to the said aperture, and provided with flaps extending therefrom, so as to permit the said flaps to cover the edge of the said aperture in the said bed pan, said main element provided with extended portions, adapted to engage the spout of the said bed pan, and terminating in a tongue, elongated slots provided with enlarged portions formed in the said main element, adapted to be engaged by projecting fasteners attached to the said bed pan, as a means of attaching the said sanitary cover to the said bed pan.

1,632,646. MATRIX SCORCHER. JAMES WILLIAM FITZSIMMONS, Oakland, Calif. Filed Dec. 16, 1926. Serial No. 155,278. 1 Claim. (Cl. 34—16.)



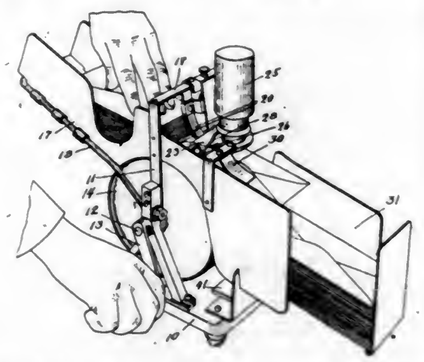
A matrix scorcher comprising a frame, the top of which is dished, a drum seated in and supported by said dished frame top, said drum of circular cross section and having a conduit at its ends for the passage of products of combustion, a burner in the lower portion of the drum, a baffle plate of imperforate character disposed above the burner and having its opposite edges supported on brackets in the drum and spaced from the wall of the drum, and an apertured matrix clamping plate of curved form hinged to and adapted to cooperate with the curved surface of the drum.

1,632,647. INCANDESCENT LAMP. GORTON R. FONDA, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 24, 1925. Serial No. 4,608. 5 Claims. (Cl. 176—16.)



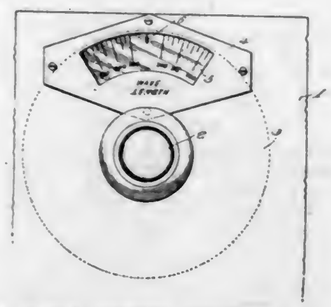
3. An incandescent lamp containing a gas at a pressure of the order of magnitude of two-thirds of an atmosphere and comprising as a constituent a few hundredths of one per cent of carbon monoxide.

1,632,648. ENVELOPE-SEALING DEVICE. ELMER E. GRAY, Lynn, Mass., assignor, by mesne assignments, to The Elliott Addressing Machine Company, a Corporation of Massachusetts. Filed July 26, 1923. Serial No. 654,012. 16 Claims. (Cl. 120—6.)



1. An envelope sealing device having flap-moistening and sealing means, a rotatable drum arranged to move successive envelopes to said means, and a driving device arranged to engage and move successive envelopes from said means at a speed greater than the speed of movement of said envelopes to said means.

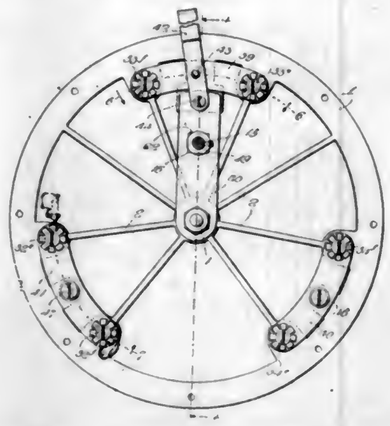
1,632,649. VARIABLE CONDENSER. FRANK O. HARTMAN, Mansfield, Ohio, assignor to Hartman Electrical Manufacturing Company, Mansfield, Ohio, a Corporation of Ohio. Filed Nov. 23, 1925. Serial No. 70,973. 12 Claims. (Cl. 175—41.5.)



1. In a variable condenser construction, an auxiliary condenser mounted adjacent each of said sets of stator plates, said auxiliary condenser comprising an insulated tubular member, a conductive plate surrounding said tubular member, a connection between said conductive plate and one of the stator plates of each of said sets of stator plates, and a rod member extending through said insulated tubular member adjacent said conductive plate and connected with said sets of rotor plates, said rod member being adjustable with respect to said conductive plate for fixing the capacity relationship between said sets of stator and rotor plates.

1,632,650. VARIABLE CONDENSER. FRANK O. HARTMAN, Mansfield, Ohio, assignor to Hartman Electrical Manufacturing Company, Mansfield, Ohio, a Corporation of Ohio. Filed Dec. 8, 1925. Serial No. 74,156. 8 Claims. (Cl. 175—41.5.)

1. In a multiple variable condenser, the combination of a supporting plate, sets of rotor plates journaled for rotative movement on said supporting plate, independent sets of stator plates arranged to cooperate with each of said sets of rotor plates, said sets of stator plates being shiftable in position on said supporting plate around the journal of said rotor plates as a center whereby said sets of rotor plates enter said sets of stator plates in differing positions.

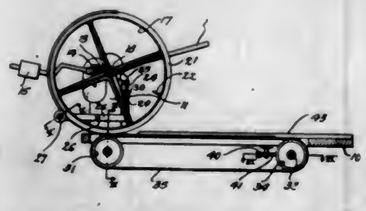


1,632,651. FLEXIBLE SPOTTER FOR REPAIRING TIRE CASINGS. ELMER A. HUBBARD, Flagstaff, Ariz. Filed July 20, 1926. Serial No. 123,732. 5 Claims. (Cl. 18—18.)



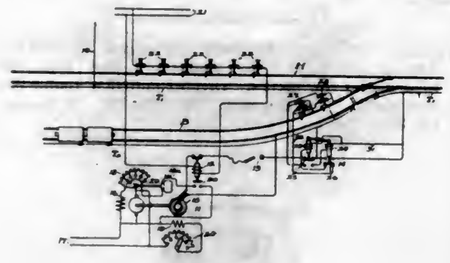
1. A spotter for use in tire casing repairs, consisting of a flexible body adapted to accommodate itself to various surface contours and including a series of layers of fire proof material, a flexible reinforcing layer, a flexible enclosing envelope, and a heating coil supported by and between certain of the fire proof layers.

1,632,652. TIRE-TREAD-APPLYING MACHINE. HOWARD O. HUTCHENS and ARNOLD R. KRAUSE, Eau Claire, Wis., assignors to Gillette Rubber Company, Eau Claire, Wis., a Corporation of Wisconsin. Filed Jan. 31, 1925. Serial No. 5,952. 4 Claims. (Cl. 154—9.)



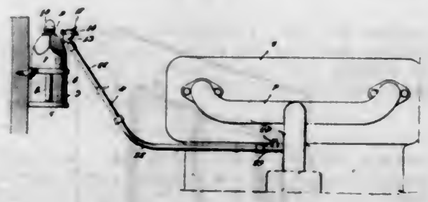
1. An apparatus of the character described comprising a table, a power driven belt running over the surface of the table and adapted to advance a tread strip, tread strip guides positioned over the belt, a stand on said table, an arm pivoted to said stand, and a wheel mounted on said arm adapted to carry a tire body, the tire body on said wheel being brought into contact with the tread strip by a movement of said arm.

1,632,653. ELECTRIC-RAILWAY SYSTEM. JAMES A. JACKSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 26, 1925. Serial No. 52,661. 10 Claims. (Cl. 246—31.)



1. The combination with an electric railway system having a normally deenergized branch track joining a normally energized main track, of means including a manually operable switch mechanism for energizing the branch track to feed electric motor driven cars therefrom to the main track, and car-operated interlocking devices located on the main track adjacent said branch track and operatively connected with said energizing means for the branch track for preventing energization of the branch track when cars are passing on the main track.

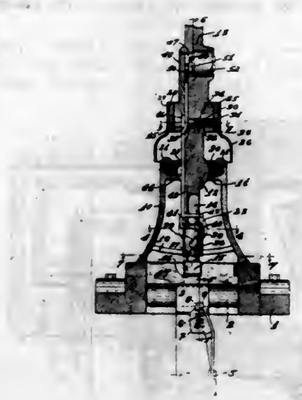
1,632,654. LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. JOHN N. JOERGER and JOHN E. CRAVER, Atlantic City, N. J., assignors to Craver-oiler Company of America, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 8, 1925. Serial No. 28,779. 2 Claims. (Cl. 123—196.)



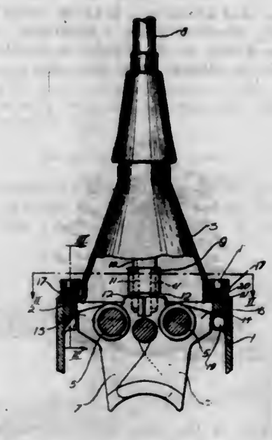
1. The combination in a lubricating system for internal combustion engines, of an intake manifold; an oil receptacle; a feed line connecting the receptacle with the intake manifold; means for admitting air to the oil receptacle; means in the upper portion of the receptacle for holding the oil so that air passing therethrough would become saturated with oil; a control valve in the feed line connecting the receptacle with the intake manifold; and a check valve also in said feed line, said check valve being arranged to close against back pressure of the engine.

1,632,655. AUTOMOBILE LOCK. CELVIN L. JOHNSON, Chicago, Ill., assignor to Johnson Automobile Lock Co., a Corporation of Illinois. Filed Apr. 11, 1921. Serial No. 460,287. 19 Claims. (Cl. 70—128.)

1. A gear shift lever lock comprising a gear shift lever, a pivotal mount on said lever, locking means therein, a key in said locking means, a housing, locking webs therein, and means slidably and rotatably mounted on said lever and connected with said locking means to be moved downwardly by said key into locking engagement between said locking webs to hold the lever locked against movement about said pivotal mount.



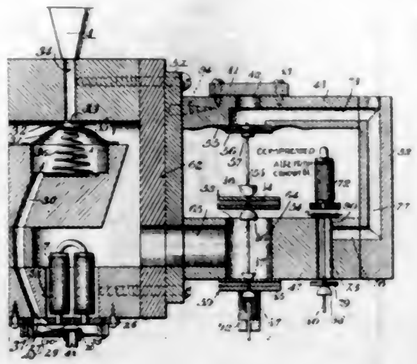
1,632,656. TRANSMISSION-HOUSING-COVER LOCKING MEANS. COLVIN L. JOHNSON, St. Louis, Mo., assignor to Johnson Automobile Lock Co., St. Louis, Mo., a Corporation of Illinois. Filed Sept. 5, 1925. Serial No. 54,727. 5 Claims. (Cl. 70—126.)



1. The combination with a casing of gears mounted therein, means for shifting said gears, removable means on the casing to permit access to the gears when removed, a spring pressed bolt member associated with said removable means and adapted to be actuated when in position to prevent the removal of said removable means, and means associated with said shifting means for

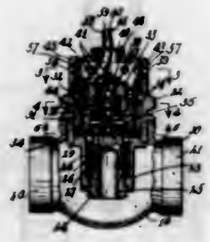
holding said bolt in actuated position for preventing the removal of said removable means except when the gears are shifted.

1,632,657. CIPHERLESS DEVICE FOR PIPE ORGANS. GUSTAV H. KLOEHS, Philadelphia, Pa. Filed Feb. 6, 1924. Serial No. 690,958. 15 Claims. (Cl. 84—338.)



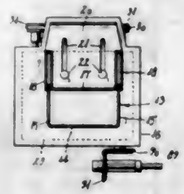
8. A device of the character described having a chamber provided with a communicating conduit and a duct which communicates with the chamber at both ends, means to supply the chamber with compressed air which is adapted to flow out of the conduit, a puff situated in the chamber over one outlet of the duct, a valve carried by the puff and held in a lifted position in respect to the conduit by the depression of said puff under the compression of air, and a valve controlling the other end of the duct to prevent access of air pressure to the other side of the duct.

1,632,658. ANTIFREEZING WATER HEATER FOR INTERNAL-COMBUSTION MOTORS. GIUSEPPE MANASSERO, Bronx, N. Y. Filed Jan. 2, 1926. Serial No. 78,759. 5 Claims. (Cl. 219—38.)



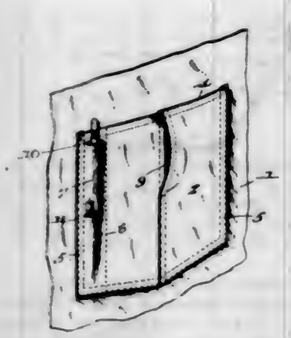
3. In a device of the class described, having a heating element, the combination of a body, a supporting member engaged in said body, a lower protruding portion depending from said supporting member, a plug removably attached to the said protruding portion, and supporting said heating element, a lower insulating block, and an upper insulating block suitably supported in said supporting member, a disc located in the lower insulating block, a pin having an axial aperture and a semicircular recess, attached to said disc, a second disc located in the said lower insulating block, and contactable with said disc, a contact adjustably attached to the upper extremity of said pin, another contact normally in contact with first mentioned contact, and a coil spring superimposed between the said upper insulating block and the said pin, normally holding said pin in a downward position.

1,632,659. POWDER FEEDER. WILHELM MAUCH, Los Angeles, Calif. Original application filed Sept. 28, 1925, Serial No. 59,178. Divided and this application filed June 7, 1926. Serial No. 114,357. 3 Claims. (Cl. 221—128.)



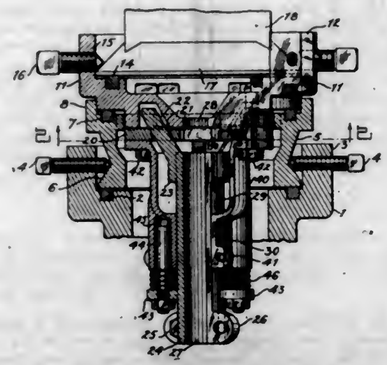
1. A powder feeder comprising a powder magazine and a belt mounted below the magazine with its upper run forming the bottom of the magazine to carry a film of the powder from said magazine, the magazine having means adjustable transversely of the belt for regulating the flow of powder to the belt.

1,632,660. COMBINATION SAFETY AND PENCIL POCKET. JOHN J. MCDONALD, St. Joseph, Mo. Filed Mar. 27, 1926. Serial No. 97,996. 1 Claim. (Cl. 2—253.)



A combination pocket comprising a front, and a partition stitched together around their edges and also stitched to the garment thereat except at the top, said partion being left free at its top to constitute a mouth between the partition and the garment, the front and partition being provided therebetween with a supplemental safety pocket having a mouth arranged in a general upright position, the front and partition being connected together by upright lines of stitching to provide a scabbard pocket, said scabbard pocket being located in front of the main pocket and provided with entrance openings at different heights thereof in the aforesaid front.

1,632,661. SAFETY CAP FOR OIL WELLS. FIDELIS M. MECHLING, Wichita, Kans. Filed Dec. 1, 1924. Serial No. 753,232. 4 Claims. (Cl. 166—14.)



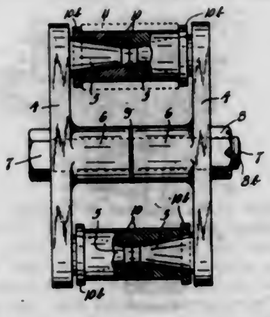
1. A device of the character described, comprising, a split box having a cable channel and adapted for assembly around the cable and for mounting on the casing head, a seat on said box, a casing cap seated thereon, and means for securing said box on the casing head adapted for automatic release by a part on the cable.

1,632,662. RAIL SUPPORT. GEORGE MICHALEK, Monarch, Wyo. Filed May 24, 1926. Serial No. 111,085 5 Claims. (Cl. 238—279.)



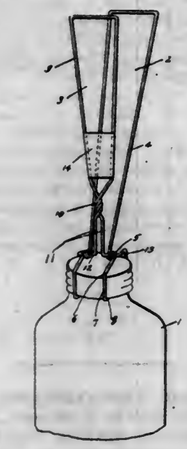
1. A rail support comprising a base, rail engaging members pivotally attached to the said base provided with jaws adapted to engage a rail, clips pivotally attached to the said base, as a means of securely holding the said rail in engagement.

1,632,663. SHACKLE BOLT. JOSEPH MIDGLEY, Brainerd, Minn., assignor of one-third to John L. Chesebrough, Duluth, Minn., and one-third to T. L. Rosser Chesebrough, Chicago, Ill. Filed Jan. 23, 1926. Serial No. 83,234. 8 Claims. (Cl. 267—54.)



1. A shackle of the character described having in combination a pair of spaced frame members, oppositely alined tapered trunnions on the inner sides of said frame members, means interposed between said trunnions adapted to space said frame members apart and provided with tapered seats surrounding said trunnions, said frame members being resilient, and means for forcing the medial portions of said frame members together to flex the same and automatically compensate for wear on said trunnions and seats.

1,632,664. FRUIT-JAR LIFTER. JONAS M. MILLER, Plain City, Ohio. Filed June 1, 1926. Serial No. 113,050. 2 Claims. (Cl. 294—28.)



1. A fruit jar lifter comprising two loop-shaped handle members, one of the said members having dependent side arms and coils at the lower ends of said arms, and also having at the opposite ends of the coils angular jaws terminating in toes adapted to engage the flange near the upper end of a fruit jar, and the other handle member having pendent side arms twisted together at an intermediate point in the length of the member and also having below the twisted portions spaced portions and having at the lower ends of said spaced portions oppositely extending arms journaled in the before mentioned coils of the first-named member, and the said arms being provided outwardly beyond said coils with angular jaws having toes at their ends.

1,632,665. SHORT-TURN DEVICE FOR MOTOR VEHICLES. WALTER E. MITCHELL, Seattle, Wash. Filed Nov. 1, 1923. Serial No. 672,093. 1 Claim. (Cl. 280—98.)



The combination with a motor vehicle having the usual driven rear wheels and having the usual front wheels pivoted for steering, said rear wheels having the usual brakes, of means for applying the brake to one of said rear wheels independently of the other rear wheel, and steering devices for said front wheels, said steering devices embodying a steering arm extending forwardly

from the pivot of one front wheel, a steering arm extending rearwardly from the pivot of the other front wheel, a steering lever medially fulcrumed between said front wheels, links connecting the respective forward and rear ends of said steering lever with the forwardly projecting steering arm and the rearwardly projecting steering arm and means for turning said steering lever to steer said front wheels and to turn said front wheels substantially crosswise of the vehicle in one direction.

1,632,666. RUBBER VULCANIZATION AND PRODUCT THEREOF. STUART B. MOLONY, Wellesley Hills, Mass., and YASUJURO NIKAIDO, Bay City, Mich., assignors, by mesne assignments, to Charles W. Brown, William L. Clause, and Edward Pitcairn, Pittsburgh, Pa. Original application filed Apr. 12, 1920, Serial No. 373,368. Divided and this application filed Sept. 25, 1926. Serial No. 137,811. 7 Claims. (Cl. 18—53.)

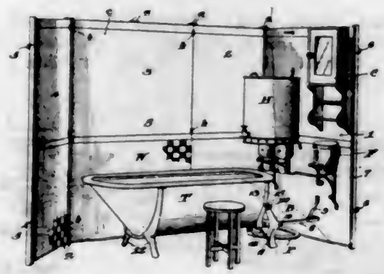
6. The process of vulcanizing rubber comprising combining the same with a vulcanizing agent and an accelerator comprising a dithiocarbamic compound having the radicals R and R' attached to the nitrogen and sulfur atoms respectively, the radical R containing an acid forming inorganic constituent and the radical R' an organic constituent or a metal, said dithiocarbamic compound being typified by the formula



1,632,667. RUBBER VULCANIZATION AND PRODUCT THEREOF. STUART B. MOLONY, Wellesley Hills, Mass., and YASUJURO NIKAIDO, Bay City, Mich., assignors, by mesne assignments, to Charles W. Brown, William L. Clause, and Edward Pitcairn, Pittsburgh, Pa. Original application filed Apr. 12, 1920, Serial No. 373,368. Divided and this application filed Sept. 25, 1926. Serial No. 137,812. 5 Claims. (Cl. 18—53.)

1. The process of vulcanizing rubber comprising combining the same with a vulcanizing agent and a dithiocarbamic compound containing aromatic and alkayl constituents.

1,632,668. PORTABLE BATHROOM. JOHN F. MURPHY, Louisville, Ky., assignor to James M. Robinson, Louisville, Ky. Filed Nov. 6, 1924. Serial No. 748,153. 6 Claims. (Cl. 4—176.)



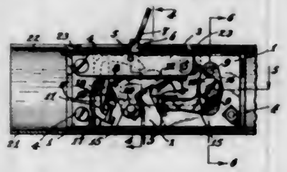
1. A portable bathroom structure comprising a housing inclosure including a main supporting back wall adapted to carry bathroom fixtures, a bracket structure secured to said supporting back wall and extending forwardly thereof, and a folding bathtub having two points of support on said bracket structure respectively at different distances from the said supporting wall.

1,632,669. ENVELOPE AND METHOD OF MAKING SAME. ALBERT E. NAUGLE, Pitman, N. J. Filed Jan. 5, 1926. Serial No. 79,322. 6 Claims. (Cl. 229—76.)



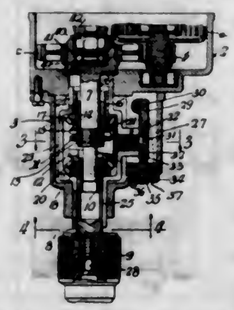
1. An envelope with an edge opening and a barrier positioned in said opening to obstruct egress of the contents of the envelope through said opening, said barrier comprising a pair of abutments of elliptical cross-section arranged one below the other in parallel contacting relation, said abutments secured to opposite sides of the envelope.

1,632,670. ELECTRIC SWITCH. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 12, 1921. Serial No. 491,727. 4 Claims. (Cl. 200—67.)



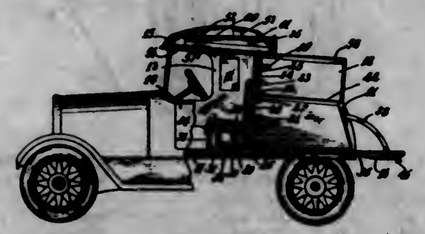
1. In a switch mechanism an insulated toggle contact member consisting of two L-shaped contact plates joined at their elbows in combination with an insulating frame, a separate pivot pin on the frame for one end of each contact plate and an operating spring fastened to the joint between the plates.

1,632,671. REVERSING MECHANISM FOR ELECTRIC DRILLS. REINHOLD A. NORLING, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 2, 1922. Serial No. 585,854. 6 Claims. (Cl. 10—137.)



2. In a portable power driven drill, the combination of aligned drill and chuck spindles, the latter being movable endwise toward and from the former, bevel gear pinions, one loose on the drill spindle and the other fixed on the chuck spindle, a bevel gear wheel meshing with both pinions for driving the chuck spindle by the drill spindle, a clutch member fixed on said drill spindle, movable clutch members on opposite sides of said fixed clutch and carried by said loose pinion and chuck spindle, respectively, said movable clutch members being moved into and out of clutched engagement with said fixed clutch member in the movement of said chuck spindle toward and from said drill spindle for changing the direction of rotation of said chuck spindle, and locking means manually operable from the outside of the drill for positively holding either of said movable clutch members in engagement with the fixed one.

1,632,672. CONVERTIBLE AUTOMOBILE BODY. GUSTAV OBERGFELL and ERICH PATZWAHL, Bronx, N. Y. Filed Oct. 14, 1925. Serial No. 62,351. 4 Claims. (Cl. 296—26.)



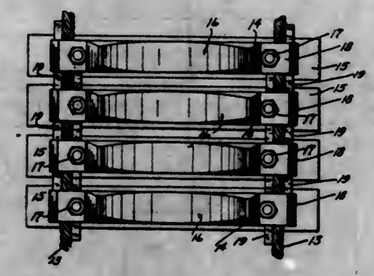
1. In a convertible automobile body, a driver's seat comprising a removable horizontal seat portion, a hinged seat back member disposed in a substantially vertical position adjacent the rear edge of said horizontal seat portion, a closure for said driver's seat including a telescoping top member, a rear cabinet disposed in back of said closure having the forward end provided by the rear of said seat back member, hinged panel doors comprising the top of said cabinet adapted to be rotated upwardly into a substantially vertical position in alignment with the sides of said rear cabinet to extend the heights of the sides thereof and to permit rotation of said hinged seat member into a substantially horizontal position for providing a bed, said telescoping top being adapted to be extended the entire length of said side members for covering the space therebetween.

1,632,673. ARTICLE OF MERCHANDISE. RUDOLPH PAULUS and PETER THIRK, New York, N. Y. Filed Aug. 21, 1925. Serial No. 51,704. 2 Claims. (Cl. 273—135.)



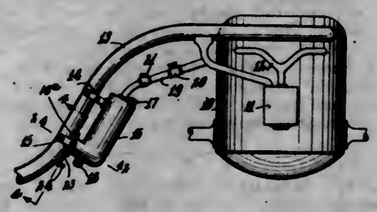
1. In an article of merchandise, a box having a cover, a dial provided on said cover, indicia radially arranged about said dial, said cover having an opening formed centrally of said dial, a spinner including a disk and a stem extending therethrough on opposite sides thereof, one end of said stem passing through said opening for engagement with a support beneath said cover for rotatably supporting said disk above said cover, and radially arranged indicating marks provided on said disk for register with certain of the indicia on said dial.

1,632,674. TREAD-BELT TRACTOR. ERICK PEARSON, Minneapolis, Minn. Filed Dec. 19, 1924. Serial No. 756,929. 4 Claims. (Cl. 305—10.)



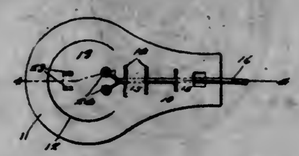
4. In a tread belt for tractors, a pair of laterally spaced endless wire cables, saddle bars having concave surfaces adapted to engage a traction wheel tire and having reduced ends, notches in the reduced ends of said saddle bars in which said cables are seated, flanged traction bars aligned with the respective saddle bars, clamping strips interposed between said bars and directly engaging said cables and holding said bars slightly spaced, and nut-equipped bolts passed through the reduced ends of said saddle bars and through the webs of said traction bars and serving to rigidly connect cooperating bars together and to anchor the same to said cables.

1,632,675. EVAPORATOR FOR CARBURETORS. VINCENZO PELLEGRINO, Rye, N. Y. Filed May 5, 1925. Serial No. 28,278. 2 Claims. (Cl. 123—25.)



1. In a vapor supply device for carburetors, having a water tank attached to the exhaust pipe of an engine, the combination of a flange depending from said tank, a collar formed with a plurality of fingers, attached to said flange, said collar abutting against said exhaust pipe, and a slide formed with longitudinal slots engaged by said fingers.

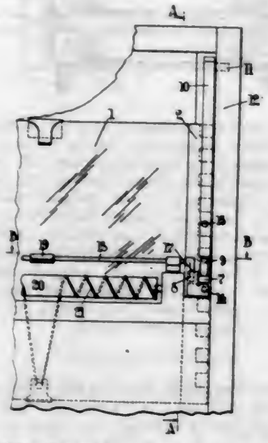
1,632,676. CIRCUIT CLOSER. EPHRAIM G. PEYTON, U. S. Army, Washington, D. C. Filed Sept. 30, 1925. Serial No. 59,630. 2 Claims. (Cl. 200—86.)



1. A circuit closer of the character described comprising a flat member of insulating material having one end portion formed with a partially circular cut to define a flexible tongue, a flat supporting member of insulating material secured beneath said member, a stationary metal contact strip mounted on said flat supporting member, a spring contact member secured upon said flat supporting

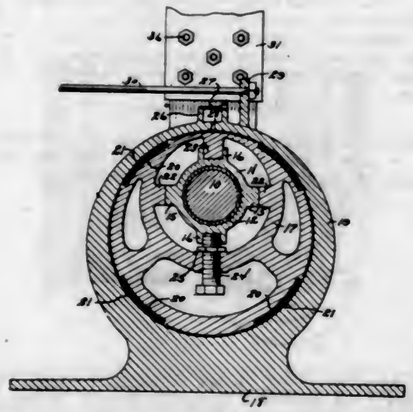
member and normally arranged in spaced relation to said stationary contact, said spring contact having a head portion formed with penetrating elements engaged through said resilient tongue.

1,632,677. LATCHING AND BRAKING DEVICE FOR ADJUSTABLE WINDOWS. ERNEST JOHN RAWLINGS, London, England, assignor to Rawlings Manufacturing Company Limited, London, England. Filed Dec. 26, 1924, Serial No. 758,279, and in France Oct. 4, 1924. 2 Claims. (Cl. 292—165.)



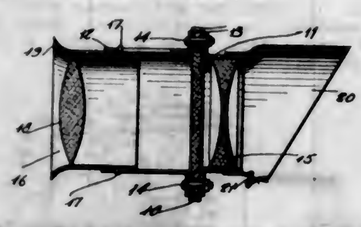
1. A latching device for adjustable windows comprising a spring controlled sliding latch, a movable window frame formed with a row of recesses to accommodate the latch, the latch comprising a sliding body portion formed with a recess, a spring accommodated in said recess for projecting the latch into one of the said recesses, a lug on said body portion, and means for withdrawing the latch co-operating with said lug.

1,632,678. SAND-REEL BEARING. FRANK REDICK, Parkerton, Wyo. Filed Jan. 4, 1926. Serial No. 79,254. 1 Claim. (Cl. 308—62.)



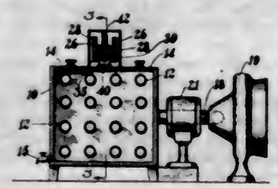
The combination with a shaft, of a bearing therefor, lugs projecting from the opposite sides of said bearing, hollow lugs projecting from the top and bottom of said bearing, an eccentric bearing adapted to receive said shaft bearing, lugs projecting inwardly from the opposed sides of the eccentric bearing and engaging the ends of the first mentioned lugs of said shaft bearing, an additional lug depending from the top of the eccentric bearing and received by the adjacent hollow lug of the shaft bearing, an adjusting screw supported by the eccentric bearing diametrically opposite the last mentioned lug thereof, and adapted to be received by the adjacent hollow lug of the shaft bearing, said eccentric bearing having spaced recesses in the periphery thereof, antifriction rollers arranged in said recesses, and a housing for said bearing.

1,632,679. WINDSHIELD ATTACHMENT. FAY R. RHODES, Iola, Kans. Filed Aug. 27, 1926. Serial No. 131,962. 4 Claims. (Cl. 88—1.)



1. In combination with a windshield, a telescope having front and rear tubes provided with flanges on their adjacent ends resting against the front and rear surfaces of the windshield, means to secure the flanges to the windshield, an object glass carried by the front tube, and an eye piece carried by the rear tube.

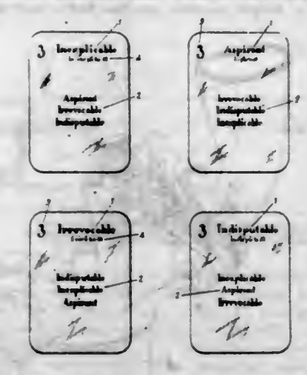
1,632,680. COLD-AIR-SUPPLYING APPARATUS. ROBERTO RODRIGUEZ, Detroit, Mich. Filed Oct. 8, 1924. Serial No. 742,289. 1 Claim. (Cl. 62—131.)



In a cold air supplying apparatus, having an ice box housing air tubes provided with sliding shutter arrangements, the combination of a cord connected to the top of each of said sliding shutters, pulleys mounted on the top of said ice box, said cords being guided over said pulleys, a bearing bracket mounted on the top of said ice box, a shaft rotatable in said bearing bracket, pulleys fixed on said shaft, said cords being attached to said last mentioned pulleys, a disc also mounted on said shaft, the periphery of said disc being formed with a notch, another bracket mounted on the top of said ice box, a pawl pivotally mounted on said last mentioned bracket, the front of said pawl being engageable with said notch to retain the last mentioned pulleys in position with the shutter arrangement open, an armature fixed to the rear of said pawl, and an electromagnet on said last mentioned bracket, said electromagnet when energized being capable of moving said pawl to release the pawl from the said notch.

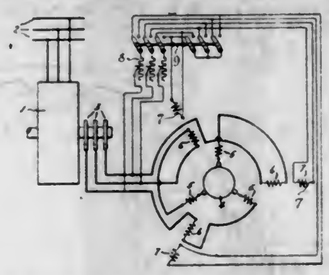
1,632,681. CARD GAME. HARRY H. ROSS, Toledo, Ohio. Filed Jan. 20, 1926. Serial No. 82,566. 2 Claims. (Cl. 273—152.)

1. In a game, a plurality of cards divided into groups, each card of a group having a word characteristic of the card printed thereon, and characteristic words of the other cards of the group printed thereon in distinctive relation to the characteristic word of the card and pro-



nunciation symbols of the characteristic word of the card only, of all the words on the card, printed in indicative relation to the characteristic word of the card.

1,632,682. SPEED-CONTROL SYSTEM. WALTER SEIZ, Baden, Switzerland, assignor to General Electric Company, a Corporation of New York. Filed Jan. 12, 1924, Serial No. 685,781, and in Germany Jan. 18, 1923. 5 Claims. (Cl. 172—274.)



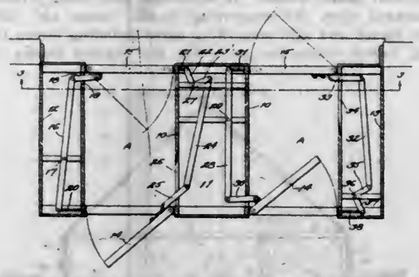
1. A speed control system wherein an induction motor is concatenated with a commutator machine for regulating its speed, characterized by the fact that said commutator machine is provided with regulated and unregulated exciting field windings as distinguished from compensating windings for producing opposed fluxes.

2. A speed control system comprising an induction motor, and a regulating machine concatenated with said induction motor for regulating its speed, said regulating machine being provided with an unregulated field winding arranged to produce flux in one direction and with a regulated field winding connected to the slip rings of said induction motor for producing a flux in the opposite direction.

3. A speed control system comprising an induction motor, a commutator machine provided with regulated and unregulated field windings for producing opposed fluxes and concatenated with said induction motor for controlling its speed, means for regulating the flow of electricity in said regulated winding, and means connecting said regulated winding with the secondary circuit of said induction motor.

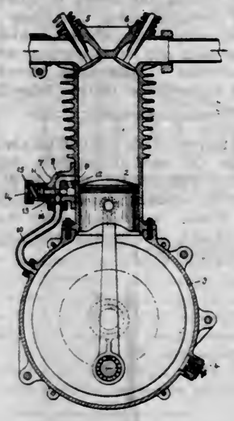
1,632,683. AUTOMATIC ENTRANCE PROTECTOR. GEORGE L. TRACY, St. Louis, Mo. Filed Feb. 18, 1925, Serial No. 10,131. Renewed Feb. 18, 1927. 1 Claim. (Cl. 20—1.01.)

A device of the character described including swinging doors arranged at opposite ends and hingedly connected to opposite sides of a passage way, said doors mounted for swinging movement in the same general direction and normally maintained in an unlocked position, slidably mounted locking bolts upon opposite sides and at opposite ends of the passage, means connecting



the locking bolt at one end of the passage with the door at the opposite end of the passage whereby swinging movement of said door will actuate the locking bolt to lock the other door against movement.

1,632,684. INTERNAL-COMBUSTION ENGINE. CHARLES TUCKFIELD, East Molesey, England. Filed Jan. 13, 1927, Serial No. 160,957, and in Great Britain Oct. 5, 1925. 4 Claims. (Cl. 123—75.)

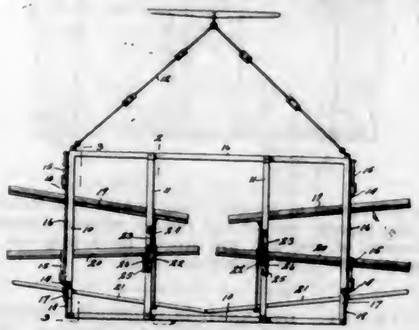


1. An internal combustion supercharging engine comprising a cylinder having a port in its wall, a piston working in said cylinder and operable on its outer stroke to open said port, an air compression chamber connected to the outer end of said cylinder, a transfer passage between said compression chamber and said port, a valve controlling said transfer passage, and yieldable means tending to maintain said valve in open position to establish communication between said pressure chamber and said port, said valve having a portion subject to the pressure in said transfer passage for causing said valve to move into closed position when the pressure in the transfer passage is sufficient to overcome said yieldable means.

1,632,685. ROAD MAINTAINER AND GRADER. JAMES H. WELSH, Monmouth, Ill. Filed May 8, 1926. Serial No. 107,663. 1 Claim. (Cl. 37—143.)

A road maintainer of the character described including an approximately rectangular frame, a pair of forwardly and downwardly curved grader blades pivotally mounted upon the frame and extending inward and rearward in angular relation to each other, a second pair of forwardly and downwardly curved grader blades disposed

rearward of the first pair and extending inward and forward and pivotally connected to the frame, a pair of smoothing bars being flat and each being disposed at an angle to the line of draft and approximately parallel to the first named blades, the smoothing bars being pivotally mounted upon the supporting frame, means for tilting the blades and said smoothing bars, including levers having linked connection with the first named blades and



the smoothing bars, and separate, independently operable levers connected to the second named blades to tilt them, and means for holding the levers in adjusted positions, arms pivotally mounted upon the frame adjacent the corners thereof, supporting wheels mounted upon said arms, levers for each pair of supporting wheels and having linked connection to said arms whereby the wheels may be shifted nearer to or further from the frame.

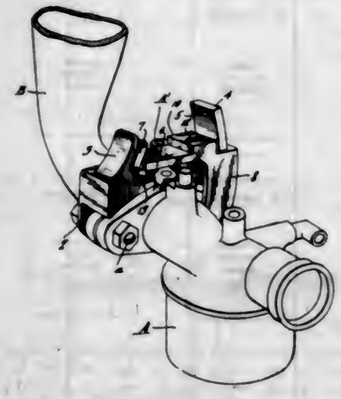
1,632,686. MEANS FOR WITHDRAWING SMALL QUANTITIES OF MEDICAMENTS FROM RECEPTACLES OR CONTAINERS AND APPLYING THEM TO THE BODY. ROBERT MORSE WITHYCOMBE, Sydney, New South Wales, Australia. Filed Sept. 28, 1926, Serial No. 138,224, and in Australia Oct. 1, 1925. 2 Claims. (Cl. 128—267.)



2. A device for withdrawing a small quantity of medicament from a receptacle and applying it to the body, comprising a stem and a resilient substantially tubular member removably sprung over said stem at one end of the latter and projecting beyond said end.

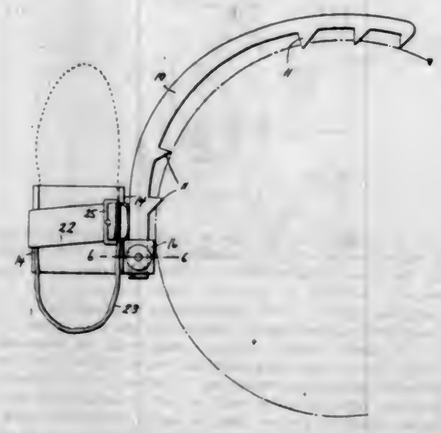
1,632,687. CARBURETOR LOCK. SAMUEL CHARLES YOUNG, St. Joseph, La. Filed June 5, 1926. Serial No. 114,039. 2 Claims. (Cl. 70—90.)

1. A device for preventing a motor vehicle being driven beyond a certain speed, comprising a body adapted to be held in place by the bolts which connect the carburetor with the inlet manifold, an arm hingedly connected with the body, a keeper member on the body, lock means on



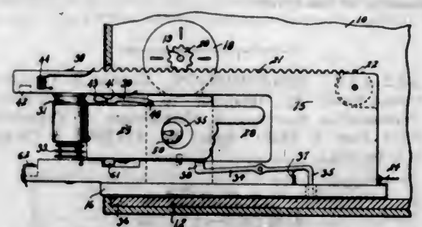
the arm for engaging the keeper member and a projection on the arm which is engaged by the throttle arm of the carburetor when the device is in closed position.

1,632,688. LINEMAN'S CLIMBING IRON. WAGNA ALLICHERDIAN, Utica, N. Y. Filed May 8, 1926. Serial No. 107,783. 1 Claim. (Cl. 36—60.)



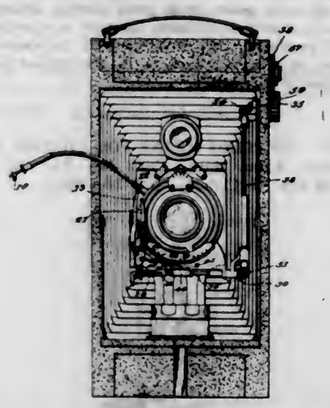
In a climbing iron of the character described, an arcuate bar provided at its concaved side with penetrating prongs, and attaching means for said bar comprising a foot piece of plate-like form provided at one end with an upstanding ear and provided in spaced relation to its other end with a similar upstanding ear, said ears being provided with elongated slots, a foot engaging strap structure engaged with the slotted ears, one end of said plate member being prolonged beyond the second named ear and formed to provide a housing slidably receiving one end of said arcuate bar, said end of the bar being formed with a recess and with an inclined notch leading from the end toward said recess, an enlarged guide portion on said housing, a spring located within said enlarged guide portion, and a pin slidably mounted within said enlarged guide portion and normally urged by said spring downwardly for engagement within the recess in said bar, the notch in said bar acting to effect retraction of the pin when the bar is inserted within the housing.

1,632,689. VEHICLE SIGNAL. EDGAR ANDERSON, Wakefield, Nebr. Filed May 25, 1925. Serial No. 32,791. 6 Claims. (Cl. 177—329.)



1. In a signal device of the character described, a casing, an arm member slidably mounted within the casing and adapted to be moved into projected position, motor operated means for moving said arm member, a second member hingedly mounted upon said first named member and swingable horizontally into extended position, and means operated at the completion of the projecting movement of the first named member for swinging the second named member.

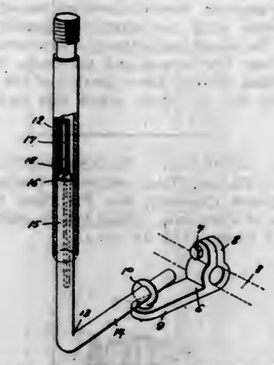
1,632,690. CAMERA ATTACHMENT. ARLO GRANT ATCHISON, Santa Barbara, Calif. Filed Oct. 4, 1926. Serial No. 139,467. 6 Claims. (Cl. 95—32.)



1. In a device of the class described, a shutter arm, a pivoted finger movable under said arm to prevent operation of the latter, a slidable bar operated by the arm when the finger is in release position, film shifting means, a shaft rotated by said means, a second shaft and means thereon for releasing the finger, clutch elements for operating the second shaft from that first named, means retaining one element of the clutch out of engagement with the other, an arm operated by the slidable bar and throwing out the clutch retaining means, finger engaging means controlled by the bar, and means for moving the finger when free to operate, into the path of the shutter arm for locking the latter.

1,632,691. MOVABLE HEADLIGHT. CHARLES EDWARD BEAULAC, Bartletville, Alberta, Canada. Filed Aug. 14, 1924. Serial No. 732,059. 1 Claim. (Cl. 240—62.)

A headlight control for automobiles comprising a bracket secured to the connecting rod of the steering mechanism of the automobile and having an eye swivelled to the forward end of the bracket, an L-shaped lever having the end of its horizontal portion engaging the eye of the bracket for slidable movement therein and the vertical portion thereof being provided for the greater portion of its length with a slot, a slotted lamp standard receiving the vertical portion of the arm and the slot of said arm being aligned with the slot of the lamp standard,



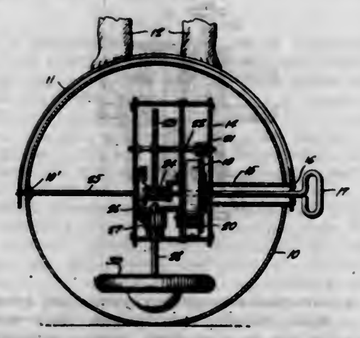
and a key detachably engaging the aligned slots whereby the standard will be moved in unison with the L-shaped lever.

1,632,692. ROUNDABOUT AND LIKE AMUSEMENT APPARATUS. ROBERT BLACKBURN, Chorley, England, assignor to Parent Caterpillar Company, Limited, London, England. Filed Sept. 24, 1925, Serial No. 58,404, and in Great Britain Sept. 25, 1924. 2 Claims. (Cl. 272—28.)



1. An amusement apparatus comprising a circular track, a rotary platform on wheels engaging said track and a series of cars carried by said rotary platform, seats in said cars, a vertical shaft projecting through each car with means operated by the travel of said car for rotating said shaft, a collapsible canvas cover carried by said shaft and turning therewith, and means for moving said cover vertically on said shaft while said shaft is being rotated, substantially as shown and described.

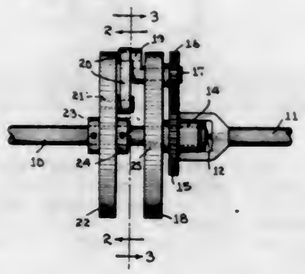
1,632,693. SPRING MOTOR. JOHN BUTTIGIEG, Elgin, Ill. Filed Sept. 8, 1926. Serial No. 134,260. 1 Claim. (Cl. 46—48.)



In a device of the class described, a frame for supporting an element to be displayed, a rotatable element within the frame, a motor within the rotatable element, a frame

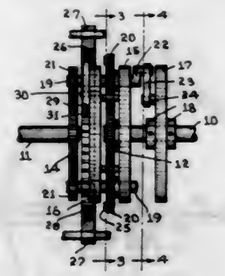
for the motor, means extending thru the rotatable element for connecting the frame and forming therewith a stationary structure with reference to which the rotary element is movable, means connecting one of the elements of the motor with the rotatable element, a fly-wheel driven by the motor, maintaining a fixed center of gravity for the frame first named and the frame for the motor, and extending into the lower portion of the rotatable element below the axis about which this element revolves.

1,632,694. AUTOMATIC TRANSMISSION. GEORGE B. COLEMAN, Dayton, Ohio, assignor to Coleman Automatic Transmission Company, San Francisco, Calif., a Corporation of California. Filed Feb. 2, 1925. Serial No. 6,394. 1 Claim. (Cl. 74—34.)



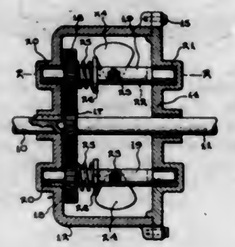
A transmission comprising axially aligned driving and driven shafts loosely coupled at their adjacent ends, a cross-head mounted upon and secured to the driving shaft, a bevel gear secured to the driven shaft, a transversely disposed shaft journaled in said cross-head and provided with terminal cranks disposed at opposite ends of the latter, a bevel gear couple operatively connecting the transverse shaft and driven shaft, an inert member mounted upon and movable axially of one of the aligned shafts, and link connections between said cranks and said inert member.

1,632,695. AUTOMATIC TRANSMISSION. GEORGE B. COLEMAN, Dayton, Ohio, assignor to Coleman Automatic Transmission Company, San Francisco, Calif., a Corporation of California. Filed Feb. 21, 1925. Serial No. 10,821. 4 Claims. (Cl. 74—34.)



1. A transmission comprising driving and driven members, a speed reducing epicyclic gear train operatively connecting the two, a rotary carrier supporting the planetary elements of said speed reducing gearing, an oscillatory member operatively connected with and actuated by a planetary element of the gearing, and an automatic control having a stationary element and a speed actuated element carried by the carrier and cooperating with the stationary element for preventing retrograde movement of the carrier.

1,632,696. TRANSMISSION. GEORGE B. COLEMAN, Philadelphia, Pa., assignor to Coleman Automatic Transmission Company, a Corporation of California. Filed June 3, 1926. Serial No. 113,539. 6 Claims. (Cl. 74—34.)



1. A transmission comprising driving and driven members and operative connections between the two comprising epicyclic gears, said gears having weights movable synchronously with them through substantially half an axial revolution and then movable independently of the gears and instantaneously to the diametrically opposite sides of the latter.

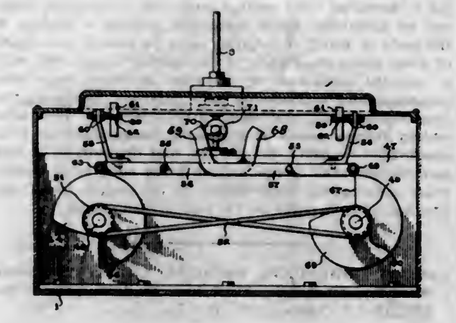
1,632,697. COUPLING MEANS FOR CHAINS. ORLO G. CHANNELL, Lynn, Mass. Filed Jan. 15, 1927. Serial No. 161,422. 7 Claims. (Cl. 24—238.)



1. A chain coupling means comprising in combination with separable chains, a hook link separably engaging a link of one chain, and having the other chain also connected thereto, and a keeper having a terminal portion connected to one chain and through which the hook link with a portion of the chain connected thereto is freely slidable to disconnect the hook link and the two chains.

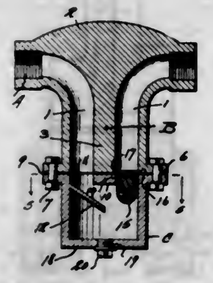
1,632,698. AUTOMATIC TRAFFIC SIGNAL FOR STREET CROSSINGS. MARQUIS LAFAYETTE CRAWFORD, Osceola, Ark. Filed Aug. 1, 1924. Serial No. 729,569. 5 Claims. (Cl. 116—63.)

5. A traffic signal for street crossings embodying a turnable staff provided with signal blades bearing signal indicia, a lever having an operative connection with said staff for turning it first in one direction and then in the other upon rocking movement being imparted to the lever, and a plurality of gravity actuated levers operatively connected with the first said lever for rocking the latter in opposite directions, and elevating means for said gravity actuated levers, said gravity actuated levers having their fulcrums disposed in planes on opposite sides of the first said lever and the elevating means comprising rotatable disks with which the remote extremities of said gravity actuated levers have peripheral contact, said disks having sectors removed to permit the



remote extremities of the gravity actuated levers to drop, the disks being operatively connected for synchronous movement in opposite directions and the cut-away portion of the one having a lead, in its angular movement, over the cut-away portion of the other.

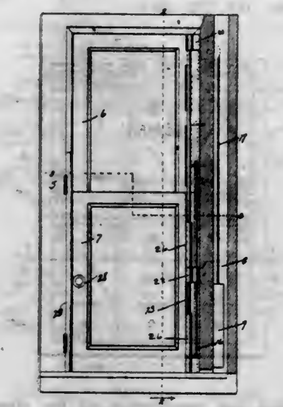
1,632,699. STRAINER AND DIRT COLLECTOR. MILO DENNEY, Tipton, Mich. Filed Dec. 30, 1926. Serial No. 158,010. 4 Claims. (Cl. 210—165.)



1. A combined strainer and dirt collector comprising a body member having disposed therethrough an inlet bore and an outlet bore, a cup member, means for securing the body and cup member one to the other, the bores of the body member being in communication with the interior of the cup member, a plate carried by a wall of the cup member and extending inwardly thereof and across the point of communication between the cup member and the inlet bore, a plate partially closing the end of the cup member immediately adjacent to the body member, said last named plate having an opening communicating with the outlet bore of the body member, and a straining element extending within the cup member through the opening in the last plate.

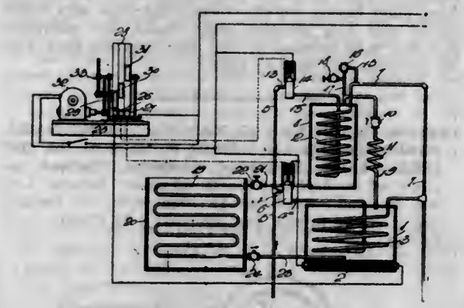
1,632,700. WINDOW CONSTRUCTION. WILLIAM FAIRLEY, Oakland, Calif. Filed Sept. 24, 1926. Serial No. 137,575. 3 Claims. (Cl. 20—44.)

1. In a device of the character described, the combination with a window frame having a pair of sliding sashes positioned therein, a rod positioned adjacent each of said sashes, hinge connections extending between each of said rods and their respective sashes, an auxiliary



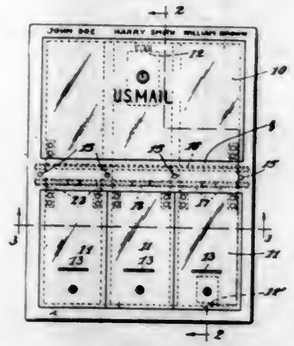
rod mounted parallel with each of said rods, a slider connecting said rods and their respective auxiliary rods, for the purpose specified.

1,632,701. INTERMITTENT-ABSORPTION REFRIGERATING SYSTEM. HENRY F. GELLENBECK, EDWARD J. GELLENBECK, and BENJAMIN G. GELLENBECK, Tacoma, Wash. Filed Jan. 8, 1925. Serial No. 1,228. 3 Claims. (Cl. 62—5.)



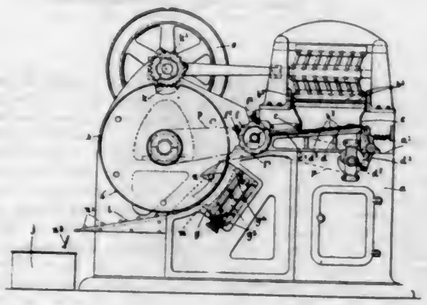
3. In a refrigerating system, a pair of combined generating and absorbing tanks, a combined gas condensing and liquid collecting tank, gas conducting means leading from the first tanks to the second tank, a liquid outlet from the condensing and collecting tank for connection with an expansion coil, return piping for the coil leading to the generating and absorbing tanks, individual electric heaters for said generating and absorbing tanks, individual liquid-cooled members for these tanks, a third liquid-cooled member for the condensing and collecting tank, individual self-closing valves for the three liquid-cooled members, individual electromagnetic opening devices for the three valves, individual circuits for the aforesaid heaters and the magnetic valve-opening devices, a group of self-opening switches for said circuits, and drum means directly and constantly driven by a synchronous electric motor, said drum means having cams for closing the switches in predetermined sequence, said cams being of lengths to hold their co-acting switches closed for predetermined intervals.

1,632,702. METAL RECEPTACLE. SAMUEL HAMMER, Brooklyn, N. Y., assignor to United Metal Box Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed May 13, 1924. Serial No. 712,945. 19 Claims. (Cl. 232—25.)



18. A mail box construction of the class described comprising a mail box having a unitary body structure divided by vertical partition walls into a plurality of compartments opening through the front side of the box, a front plate having its marginal portions secured to the top, bottom and side walls of the box structure and projecting beyond the same, independently operable door members of uniform width controlling admission to the lower end portions of the respective compartments, hinge arms on the inner face of each of said door members, a common hinge rod with which said hinge arms are connected fixed within the box structure, and a one-piece master door member controlling admission to the upper end portions of all of said compartments and hingedly supported near its lower end within the box, and said front plate having suitably formed openings with which all of said door members when closed, are positioned with the front surfaces of said door members flush with the front surface of said plate.

1,632,703. MACHINE FOR MANUFACTURING NAILS, BRADS, OR THE LIKE FROM WIRE, ROD, OR THE LIKE. FRANK HUMPHRIS, Parkstone, England, assignor of one-half to Kenneth Alexander Roberts, London, England. Filed Dec. 12, 1922, Serial No. 606,497, and in Great Britain Dec. 22, 1921. 33 Claims. (Cl. 10—43.)

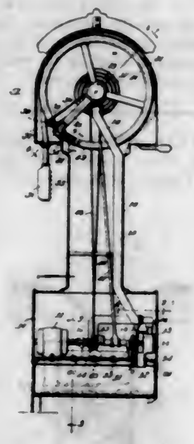


1. A machine for making nails from wire, comprising a rotary drum, a pressure block associated with said drum and a heading plate cooperating with said drum and pressure block to enlarge one end of each blank fed between the drum and pressure block.

1,632,704. CASTING HAVING CHROMIUM ALLOY SURFACE. CHARLES B. JACOBS, Wilmington, Del., assignor, by mesne assignments, to Electro Metallurgical Company, a Corporation of West Virginia. Filed Apr. 22, 1921. Serial No. 463,565. 9 Claims. (Cl. 22—215.)

1. The method of making a ferrous metal casting having a chromium alloy surface layer that is strongly resistant to oxidation, which comprises coating a surface in the mold in which the casting is to be formed to a depth of from about one-eighth to one-quarter of an inch with a mixture composed of metallic particles comprising chromium and a binder for said particles, hardening the resulting coating, and then introducing into said mold molten ferrous metal at a pouring temperature of from about 2650 to 2900° F., the size and disposition of said metallic particles in the coating being such as to permit ready penetration therebetween by the molten metal and solution of said particles by said molten metal.

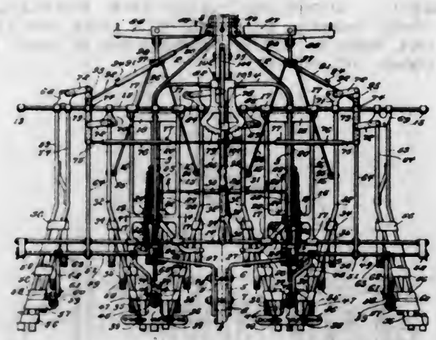
1,632,705. BRUSHING MACHINE. HENRY M. KEITH, West Frankfort, Ill. Filed July 28, 1922. Serial No. 578,213. 3 Claims. (Cl. 15—7.)



2. In a machine of the class described, a reel, a hose wound on the reel, means for producing suction through an element of the reel and the hose, a suction nozzle connected with the hose, a flexible shaft and a rotary brush connected therewith and means mounted on the reel for driving the flexible shaft.

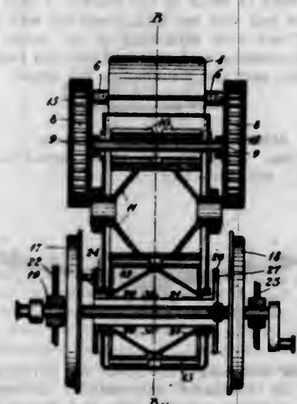
1,632,706. CULTIVATOR. NOAH D. KERN, New Albany, Ohio. Filed Aug. 3, 1925. Serial No. 47,941. 2 Claims. (Cl. 97—156.)

1. In an agricultural device, a frame, front and rear rods secured to and extending laterally from the frame, auxiliary frames supported on the rods, wheel mounts journaled in bearings in the auxiliary frames, adjustable means connecting the mounts, a foot pedal associated with each of the mounts, plow carrying beams hung from the front rod, and arranged in series between and to the opposite sides of the main frame, oppositely directed brackets on the adjacent pairs of outer beams, links connected to said brackets, lever members pivoted to the front rod, adjustable means connecting the levers, oppositely directed brackets on the inner pair of beams, links pivoted thereto, a pivotally supported lever to which the last mentioned links are connected, links connecting said lever and the first mentioned levers, a segmental rack fixed on the frame, a spring influenced handle operated dog on the last mentioned lever engageable with the teeth of the rack, whereby the series of beams may be adjusted toward or away from each other, clevises adjustably connecting the rear ends of the respective pairs of beams, spring influenced rods slidable through



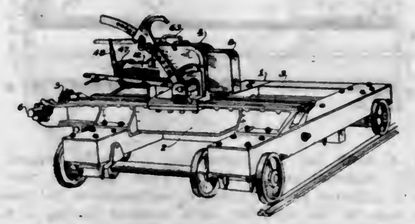
the clevises rotatable shafts, and arms fixed on the shafts in which the ends of said rods are pivoted, levers fixed on the said shafts, each of said levers having a spring influenced hand operated dog and toothed segments supported from the rear bar on which said segments are secured, all as and for the purpose set forth.

1,632,707. TURBINE-DRIVEN LOCOMOTIVE AND SIMILAR VEHICLE. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Apr. 13, 1922, Serial No. 552,424, and in Sweden Feb. 17, 1922. 11 Claims. (Cl. 105—38.)



1. In a steam-turbine driven vehicle, a transmission gearing, comprising spur gears operatively connected with the turbine, a pair of driving wheels, a shaft for said driving wheels, a sleeve surrounding said driving wheel shaft, a movable coupling comprising two members, the one of which is connected with the slowest running and last gear of said gearing, counted from the turbine, and the other with the sleeve, another coupling comprising two members the one of which is connected with the sleeve and the other with one of the driving wheels, said sleeve extending through said last gear wheel.

1,632,708. SAWMILL CARRIAGE. PAUL FREDRICK LUETH, Everett, Wash., assignor to Sumner Iron Works, Everett, Wash., a Corporation of Washington. Filed June 14, 1924. Serial No. 720,053. 17 Claims. (Cl. 143—122.)



1. In a saw mill carriage, the combination of an adjustable hollow knee, a ram adapted to be housed therein, means operable by fluid pressure for projecting or retracting said ram, and means for securing the ram in various positions of adjustment.

1,632,709. CONTACT DEVICE. SAMUEL L. MILLER, Chicago, Ill. Filed June 7, 1922. Serial No. 566,663. 1 Claim. (Cl. 173—324.)



The combination with a stud shaft having an enlarged portion formed thereon intermediate the opposite ends thereof, a collar formed as a part of the stud shaft and disposed in spaced relation with respect to the enlarged portion, a conductor plate through which an end portion of the stud shaft projects, of a contact washer disposed between the collar and the enlarged portion and formed substantially convex concave in shape and having a plurality of radially disposed slots formed in the peripheral edge thereof defining yieldable tongues providing cutting edges adapted for cutting relation with respect to the conductor plate, substantially as described.

1,632,710. FOUNTAIN PEN AND PENCIL. PERCIVAL S. MORRIS, Brooklyn, N. Y. Filed Aug. 12, 1922, Serial No. 581,446. Renewed Nov. 20, 1926. 1 Claim. (Cl. 120—47.)



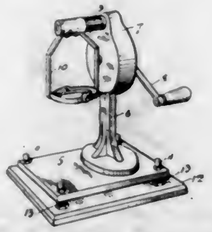
A fountain pen comprising a barrel, a pen receiving element carried by one end thereof and having an ink receiving pocket, also a valve seat, a tubular stem extending longitudinally through the barrel and rotatably mounted therein for manual rotation, a valve carried by the stem and adapted to seat on the valve seat, longitudinal ribs formed upon the inner face of the barrel at diametrically opposite points, a spiral thread on the stem, a disk provided with notches at diametrically opposite points and slidable on the ribs and having threaded engagement with the spiral thread whereby upon rotation of the stem the disk will be moved away from the ink receiving pocket to create a vacuum in the barrel to fill the pen, such rotation of the stem simultaneously moving the valve away from the valve seat.

1,632,711. LINE-CHALKING DEVICE. WILLIAM S. MYERS, St. Petersburg, Fla. Filed June 14, 1926. Serial No. 115,946. 3 Claims. (Cl. 33—87.)



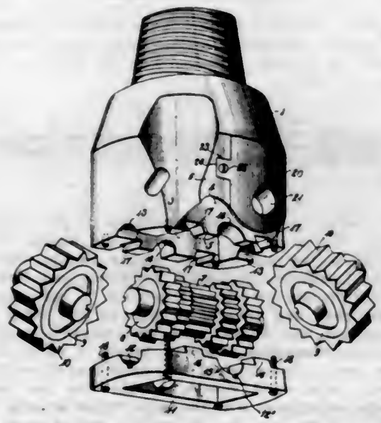
1. A chalk line reel comprising a cylinder formed of flexible material and having its ends looped so that it can be adjusted as to its length, end members for closing the ends of the cylinder, each member having a hole therein for the passage of the chalk line and means for connecting the end members with the cylinder.

1,632,712. CASTING OF DENTURES IN METAL. FREDERICK WILLIAM NUNN, Melbourne, Victoria, Australia, assignor to Nunnday Proprietary Limited, Melbourne, Australia, a Corporation of Victoria. Filed July 30, 1926, Serial No. 126,066, and in Great Britain Aug. 19, 1925. 5 Claims. (Cl. 22—65.)



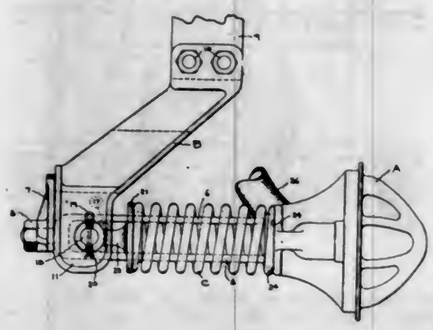
2. In machines for casting dentures in metal, an unstable baseplate, a pedestal thereon, a gear box on the pedestal, a rotatable spindle extending laterally from the box and an investment basket having no counterweight secured to and suspended from the rotatable spindle.

1,632,713. ROTARY WELL-DRILLING APPARATUS. EARL A. REED, Okemah, Okla. Filed Feb. 27, 1925. Serial No. 12,071. 2 Claims. (Cl. 255—71.)



1. In a drill, the combination with a bit head having an open interior, a cross carrier disposed within the open interior of said head, cross cutters mounted on said carrier, a removable cap having in its upper edge a series of semi-circular openings corresponding to the openings in the lower edge of the drill head to form with such openings journals for the carrier, and fastening devices for securing said cap to the bottom of the drill head.

1,632,714. AUTOMATIC TRAIN-PIPE COUPLING. JOSEPH ROBINSON, Morristown, N. J. Filed June 15, 1921, Serial No. 477,759. Renewed Nov. 6, 1926. 4 Claims. (Cl. 285—58.)



1. In an automatic train pipe coupling, a bracket forked at its lower end, each prong of the fork being provided with a perforation, a tubular member positioned between the prongs of said bracket, a bar spanning the opening between said prongs and extending through said tubular member into said perforations and fixed against rotation therein, said member being adapted to rock upon the front face of said bar, a seat for a spring seated upon said member and adapted under certain conditions to rock with the member and under other conditions to rock on the member, a stop at the rear of said bracket, a coupling head in front of the bracket, a part spanning said member and said bar and connected with said stop at one end and with said head at the other end, and a spring surrounding said part and confined between said head and said seat and mounted on the latter.

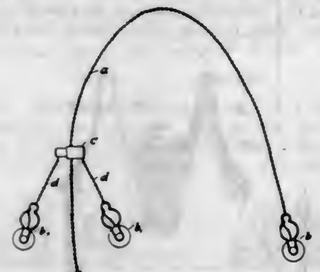
1,632,715. SHOCK ABSORBER. DANIEL C. RODGERS, Canton, Ohio. Filed May 26, 1926. Serial No. 111,832. 4 Claims. (Cl. 267—25.)



1. A shock absorbing attachment for a vehicle spring, comprising an elongated substantially rectangular resilient spring member having one end disposed beneath and its other end disposed above the spring, and means engaging said spring member at the sides thereof for effecting flexure thereof.

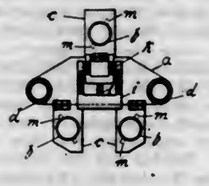
1,632,716. SHOULDER STRAP FOR LADIES' UNDERWEAR. OTTO SCHWEIGERT, Pforzheim, Germany. Filed Dec. 26, 1924, Serial No. 758,140, and in Germany Aug. 6, 1924. 1 Claim. (Cl. 241—12.)

In a garment supporting shoulder strap consisting of an ornamental chain, a holder at the rear end of said chain and two holders at the front end of said chain, a clamping device to the two ends of which the two front holders are attached by short chains, said clamping device consisting of an outer transverse sleeve and of an inner transverse sleeve telescoped in said outer sleeve each sleeve being closed at the outer end and having two



opposite apertures through which said ornamental chain passes, a vertical partition in the inner end of said inner sleeve, a spiral spring in said outer sleeve between the closed end of the same and said partition of said inner sleeve to shift said inner sleeve to clamp said ornamental chain.

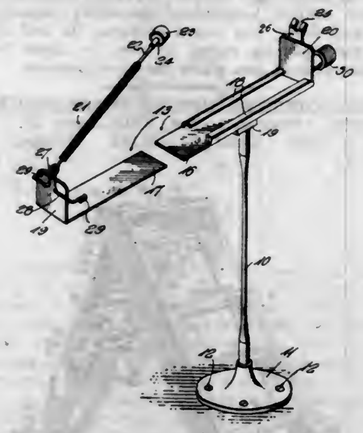
1,632,717. POCKET STAND. OTTO STUMPF, Mannheim, Germany. Filed June 21, 1926, Serial No. 117,520, and in Germany May 20, 1926. 3 Claims. (Cl. 248—43.)



1. A folding pocket stand comprising in combination three legs composed each of several telescoped elements, a support for the camera consisting of a base plate, of extensible tubular supports and of a supporting plate for the camera fixed on the top ends of said tubular supports, flaps hingedly fixed on said base plate, one for each leg, the top ends of said legs being mounted in said flaps, two shiftable spring-controlled locking elements on said base plate, and an oval element pivotally mounted on said base plate between said locking elements to push the same over the raised flaps or to liberate said flaps according to its position.

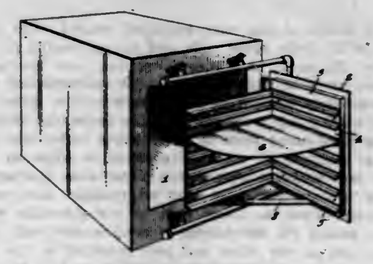
1,632,718. VIBRATORY MIXER. FRANK W. WALLACE, Chattanooga, Tenn., assignor of one-half to William G. Oehmig, Chattanooga, Tenn. Filed Aug. 30, 1926. Serial No. 132,517. 6 Claims. (Cl. 259—75.)

3. In a vibratory mixer, a container clamp comprising two slidably connected plates extending longitudinally along one side of the container and having laterally projecting jaws at their outer ends to engage the ends of the container, and spring means for inwardly



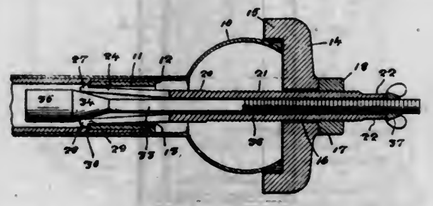
sliding said plates upon each other to hold the jaws engaged with the container, said means extending longitudinally along the opposite side of the container.

1,632,719. OVEN DOOR. HAROLD M. WHITE, Detroit, Mich. Filed July 19, 1926. Serial No. 123,306. 3 Claims. (Cl. 126—340.)



1. The combination with an oven having a door, ledges supported from the door, a support hingedly connected to the inner side of the door and adapted to be swung in parallelism therewith, and ledges on said support adapted to cooperate with the door ledges in supporting shelves, grids or the like.

1,632,720. BUSHING TOOL. HAROLD B. WORSTER, Keokuk, Iowa. Filed Dec. 19, 1925. Serial No. 76,524. 1 Claim. (Cl. 29—88.2.)



In a device of the class described, a tapered shank including a threaded portion, a sleeve including longitudinally projecting fingers, and the walls thereof cooperating with the tapered shank, engaging devices on the fingers and projecting outwardly therefrom, means

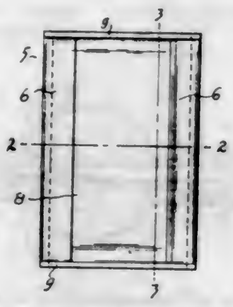
for producing relatively longitudinal movement between the shank and sleeve, the engaging devices being beveled to provide sharp edges movable outwardly incident to the aforesaid relative longitudinal movement between the shank and sleeve, and means engaging the end of the sleeve for producing thrust between the sleeve and a stationary element into which the sleeve projects.

1,632,721. COMBINED IRONING BOARD AND STEP-LADDER. CHARLES DANIEL WOLF, Paris, Ill. Filed Feb. 3, 1926. Serial No. 85,734. 1 Claim. (Cl. 228—4.)



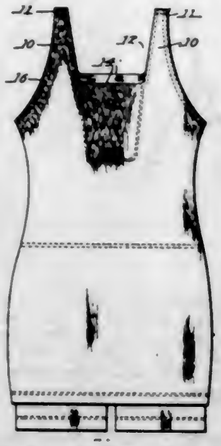
In a device of the class described, spaced stiles joined together at their upper ends and having means for supporting the same in ladder form, and also having one or more steps at their lower ends, a supplemental frame intermediately pivoted to swing between the stiles, said frame having side bars and coacting steps, the side bars having open-ended slots in their lower ends, said stiles having longitudinal slots in position to align at their upper ends with the slots of the frame when the latter is swung between the stiles, said longitudinal slots extending down below the lower ends of the side bars of the frame, and a tie rod having a bend at one end and a thumb nut at the other end and mounted in the longitudinal slots and adapted to be pushed up into the open-ended slots and the nut tightened to bind the supplemental frame in between the stiles.

1,632,722. PAD FOR FRUIT CONTAINERS. JOHN H. WOODALL, Woodland, Ga. Filed May 13, 1926. Serial No. 108,905. 1 Claim. (Cl. 154—54.)



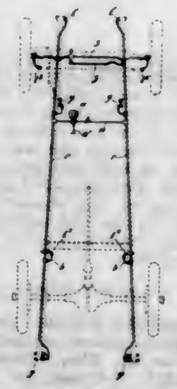
A pad for fruit containers comprising a bat of resilient fibrous material and a casing for the bat consisting of a face part formed of waterproof paper, a back part formed of a longitudinal reinforcing strip of tough paper with its marginal sides overlapped by and adhering to the marginal sides of the waterproof face part, and transverse reinforcing strips of tough paper folded over the ends of the casing with the folds of the transverse strips overlapping and adhering to the marginal ends of the face and back parts of the casing.

1,632,723. BUTTONLESS BATHING SUIT. ARTHUR J. BARNETT, New York, N. Y., assignor to The Worcester Knitting Co., Worcester, Mass., a Corporation of Massachusetts. Filed July 12, 1926. Serial No. 121,766. 3 Claims. (Cl. 2—67.)



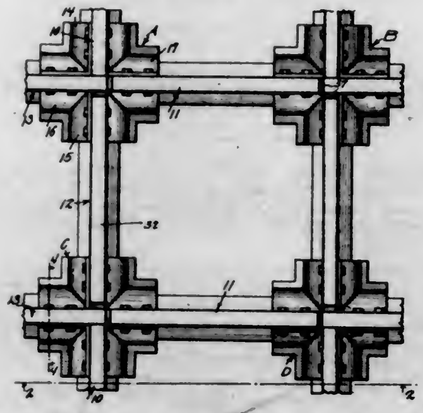
1. As an article of manufacture, a bathing suit formed of elastic material and having shoulder straps, each consisting of a front and back part sewed together across the top, said suit having a double thickness across the front and back extending to the bottoms of the shoulder straps, and capable of stretching laterally at the neck portion when the shoulder straps are pulled in opposite directions, said double thickness comprising integral portions of the body of the suit each folded upon itself.

1,632,724. TERMINAL CONSTRUCTION FOR CENTRAL LUBRICATING INSTALLATIONS. EDGAR J. BLOOM, Tiffin, Ohio, assignor, by mesne assignments, to Auto Research Corporation, a Corporation of Delaware. Original application filed May 19, 1922, Serial No. 562,090. Divided and this application filed Aug. 6, 1926. Serial No. 127,493. 2 Claims. (Cl. 184—7.)



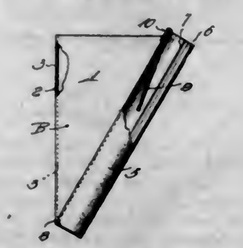
1. A lubricator terminal comprising a unitary pipe fitting having a longitudinal bore therethrough, one end of said fitting being externally threaded for application into a bearing, the other end being conformed for application of a pipe end in fluid-tight relation with respect thereto, and a rigid flow obstructing filler member disposed within said fitting and determining a minute passage therethrough, whereby with the use of a pipe fitting of uniform construction, a terminal of desired selected metered flow rate may be provided by the use of a filler of corresponding rating, determining substantially the exact size of the minute passage desired and means constituting part of the assembled uninstalled terminal for retaining said filler in said fitting.

1,632,725. RAILWAY CROSSING. JACKSON W. BROWN, De Quincy, La., assignor of forty-five per cent to Farris E. Farris, De Quincy, La. Filed Nov. 4, 1926. Serial No. 146,256. 6 Claims. (Cl. 246—463.)



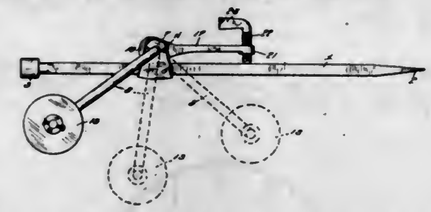
2. The combination with a railway crossing coupling provided with two pairs of alined recesses disposed at an angle to one another, of a plurality of rails received within said recesses, each rail including a base section consisting of a base portion and an upstanding flange and a rail section consisting of a rail engaging portion and a depending web adapted to rest upon the said base portion and abut the upstanding flange, the meeting ends of said rails being beveled and snugly engaging one another.

1,632,726. FLAGSTAFF. ROSCOE G. CONKLIN, Omaha, Nebr. Filed Feb. 24, 1925, Serial No. 11,320. Renewed Mar. 18, 1927. 1 Claim. (Cl. 248—37.)



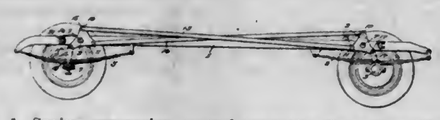
In a flagstaff holder, the combination of a tubular body portion open at its ends an inwardly projecting portion at one end, said body portion comprising a tubular body member in the form of a coil in cross-section the interior edge of said coiled portion projecting radially inwardly to form a continuous interior longitudinal rib, a spring clip extending into the tubular body portion, a web formed integral on the body portion and terminating in a base portion whereby the holder is formed of a single piece of material.

1,632,727. UNDERCUTTING-SAW SUPPORT. ALFRED DAHLMAN, Ripple, Oreg. Filed June 30, 1926. Serial No. 119,614. 2 Claims. (Cl. 143—163.)



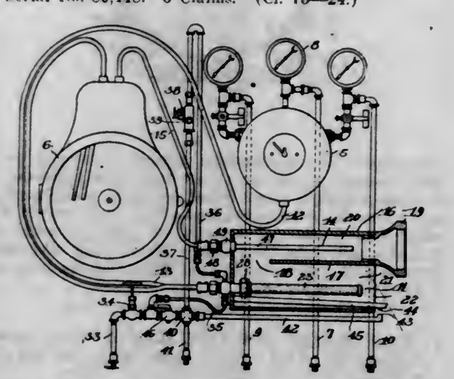
1. An undercutting saw support, consisting in a bar adapted to be driven into a log, a block slidable upon said bar, a cam-clamp mounted in said block provided with a lever extending longitudinally of said bar having a screw at its outer end bearing upon said bar, and a swingable arm having a rotatable saw-supporting element at one end and pivotally mounted at its other end in said block, said arm-end extending through an eccentric aperture in said cam-clamp whereby the arm is retained in adjusted radial positions.

1,632,728. AUTOMOBILE BODY-SPRING CONTROL APPARATUS. JAMES B. DRENNAN, Portland, Oreg. Filed Dec. 7, 1925. Serial No. 73,665. 5 Claims. (Cl. 280—104.)



1. Spring suspension control apparatus for automobiles, consisting in the combination with a body-frame of an automobile, and the springs for supporting the same, of a transverse rod mounted for rotation in said frame adjacent the axles at each end of the car, a plate keyed at each end of said rod, bars extending longitudinally of the car and pivotally connected at opposite ends to said plates upon each side of the car, respectively, and a link connecting each said plate with the adjacent axle.

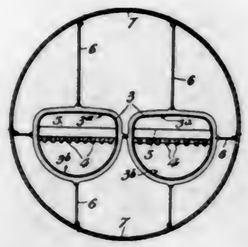
1,632,729. HYGROMETRIC APPARATUS. EDWARD B. FOOTE and FREDERICK W. STALKER, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Jan. 11, 1926. Serial No. 80,448. 6 Claims. (Cl. 73—24.)



1. In a hygrometric apparatus, the combination of a temperature sensitive element, a water-pervious envelope defining a closed chamber about said element, means for

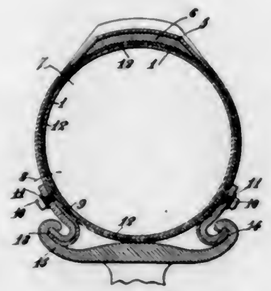
supplying water under pressure to the interior of said envelope, and an upwardly extending discharge conduit connected with said envelope to provide for the escape of air from said envelope and maintain the same filled with water.

1,632,730. FURNACE. JOHN WILLIAM FREMAN, South Carlton, Australia. Filed Oct. 10, 1924. Serial No. 742,910. 1 Claim. (Cl. 110—86.)



In furnaces, a furnace tube of uniform cross section wherein the upper portion above the fire bar has straight vertical sides merging into a flat arch and the lower portion of the tube is semicylindrical and a fire bar in said tube so located that its upper surface coincides with the plane passing through the horizontal diameter of the semicylinder forming the lower half of the tube so that a restricted area is provided above said bar and a correspondingly enlarged area is provided below said bar.

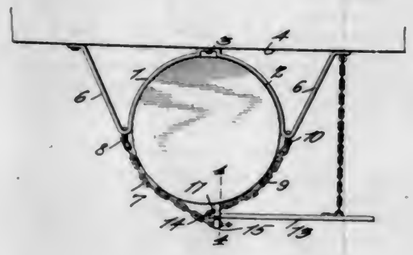
1,632,731. WHEEL TIRE. NICOLAS GHERASSIMOFF, Le Vesinet, France. Filed Mar. 5, 1926, Serial No. 92,524, and in France Feb. 12, 1926. 1 Claim. (Cl. 152—8.)



A wheel tire comprising a plurality of metal outer strips adapted to enclose an air tube, each extremity of each strip being bent for engagement into a rim-flange, a pair of bands each having one of its edges curved and adapted to be inserted between one series of strip extremities and a rim-flange, and a single screw connection between each extremity of each strip and the band associated therewith.

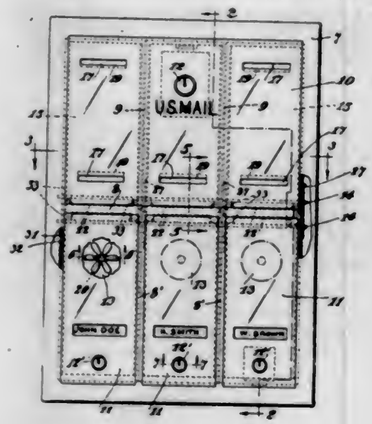
1,632,732. CLAMP FOR CONTAINERS. JACK GREEN, Norfolk, Va. Filed Dec. 3, 1926. Serial No. 152,444. 8 Claims. (Cl. 24—19.)

1. A clamp comprising clamping arms, a chain connected to each of said arms, and a locking lever carried by one of said chains, said lever being formed to receive and cooperate with two adjacent links of the other of said chains and hold one of said links transverse the other for



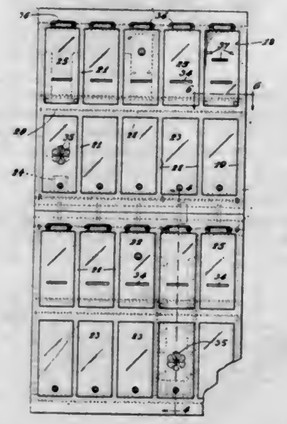
locking purposes and being further formed to cooperate with a link of the chain with which it is connected to maintain the alignment of the lever.

1,632,733. METAL RECEPTACLE. SAMUEL HAMMER, Brooklyn, N. Y., assignor to United Metal Box Co. Inc., Long Island City, N. Y., a Corporation of New York. Filed Feb. 15, 1926. Serial No. 88,294. 15 Claims. (Cl. 232—25.)



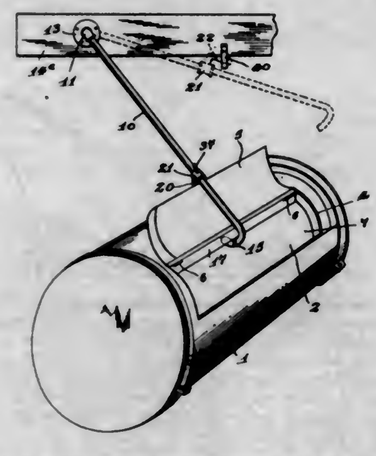
1. A mail box construction of the class described comprising a mail box divided by partition walls into a plurality of receptacles opening through one wall only of the box, independently operable door members controlling admission to the lower end portions of the respective receptacles and hingedly mounted near their upper ends within the box, a one piece master door controlling admission to the upper ends of all of the receptacles, a hinge rod extending across the box adjacent its open side and mounted in the partition walls and side walls of the box, means on the inner side of the master door for hingedly connecting said door with said rod in spaced relation to the lower edge of the door, and said partition walls below the hinge rod being provided in their edges with recesses to accommodate the lower edge portion of the master door in the opening and closing movements thereof.

1,632,734. METAL RECEPTACLE. SAMUEL HAMMER, Brooklyn, N. Y., assignor to United Metal Box Co. Inc., New York, N. Y., a Corporation of New York. Original application filed Jan. 13, 1925, Serial No. 2,152. Divided and this application filed June 23, 1926. Serial No. 117,936. 5 Claims. (Cl. 232—24.)



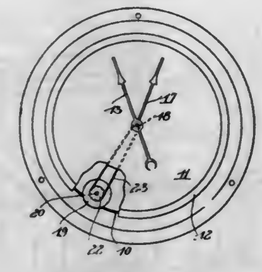
2. In metal collection receptacles of the character described, each having a front plate and adapted to be mounted in the face of a wall, means carried by each receptacle for interlocking engagement with the complementary means on an adjacent receptacle when the receptacles are assembled in the wall structure whereby said front plates are positioned and held in a common plane with their outer faces flush with the wall.

1,632,735. HOLDER FOR WASHING MACHINES. FRED A. HOFFER, Frankfort, N. Y. Filed Mar. 31, 1926. Serial No. 98,874. 6 Claims. (Cl. 68—18.)



1. In a holder for washing machines having a rotary casing with a door thereon, a swing rod adapted to engage said casing, means for supporting said rod and means adapted to be manually operated on said rod to engage said door to aid in holding said door and rotary casing stationary.

1,632,736. BAROMETER-SETTING MEANS. PERCY R. JAMESON, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Dec. 3, 1925. Serial No. 72,902. 2 Claims. (Cl. 73—4.)



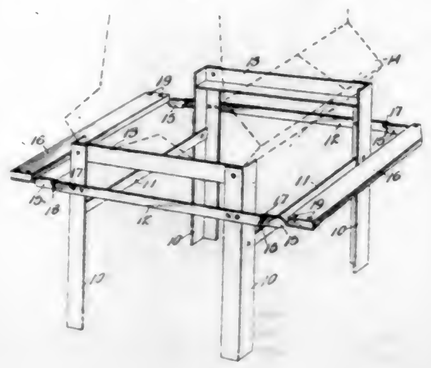
2. In a barometer, the combination of a casing having an opening in its wall and a scale plate carried by the casing, a spindle rotatable within the casing and having an index rotatable adjacent the scale plate, a pulley upon the spindle, an index carried by the pulley between the first mentioned index and scale plate, a disk-like member rotatable within the casing and adapted to project through said opening in the wall thereof, a pulley connected with the disk-like member and a belt connecting said pulleys.

1,632,737. DISAPPEARING HEADREST. CHARLES LANE, Jefferson, Wis. Filed Nov. 22, 1926. Serial No. 150,019. 1 Claim. (Cl. 155—177.)



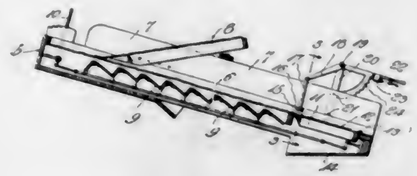
In a device of the character described, the combination with a head rest, of a supporting bar having an angular upper end extending inwardly into the head rest, and pivoted at its inner extremity to the head rest for the same to rock thereupon; an inclined rigid stop carried by the head rest and arranged to come into abutting engagement with the angular upper end of the supporting bar to limit the rocking movement of the head rest thereon in one direction; rigid means also carried by the head rest for contacting with the supporting bar below its angular upper end to limit its movement in the oposite direcion; a spring for normally pressing the head rest in one direction; and a container for carrying the supporting bar and for receiving the head rest thereinto and housing the same when not in use.

1,632,738. POULTRY FEEDER. FRED W. LORD, Tipton, Ind., assignor to The Oakes Manufacturing Company, Tipton, Ind., a Corporation of Indiana. Filed Apr. 22, 1926. Serial No. 103,920. 3 Claims. (Cl. 119—52.)



1. A poultry feeder comprising a frame, a perch support pivoted to said frame and having laterally disposed lugs for engagement with the frame when the perch support is in substantially horizontal position and a perch mounted on said support, substantially as set forth.

1,632,739. COAL SCREEN AND WASHER. WILLIAM F. MARTIN, Harrisburg, Pa. Filed Aug. 16, 1926. Serial No. 129,532. 2 Claims. (Cl. 209—258.)

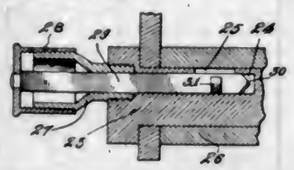


1. A screen comprising a main inclined frame, a main screen secured in said frame and terminating short of its lower end, an auxiliary screen extending from said main screen to the lower end of said main frame, an auxiliary frame upon which said auxiliary screen is secured, said auxiliary frame being hinged at its lower end to the lower end of said main frame, a metal bar extending transversely across the upper end of said auxiliary frame, resting upon the upper end of said auxiliary screen and secured to said upper end of said auxiliary frame, said bar having upturned ends, and means connected to said upturned ends for swinging the auxiliary frame and screen upwardly when desired, said bar serving to protect the upper end of the auxiliary screen against tearing loose and also affording means to which to connect said means for swinging the auxiliary frame and screen.

1,632,740. METHOD OF MAKING PHOTOGRAPHIC COPIES BY REVERSAL. ALFRED MILLER, Dessau in Anhalt, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Sept. 23, 1925, Serial No. 58,191, and in Germany Mar. 21, 1925. 7 Claims. (Cl. 95—88.)

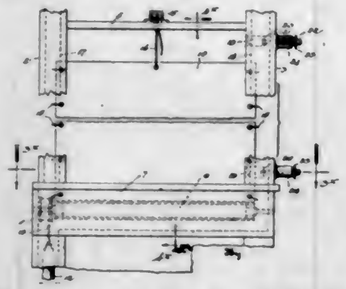
1. In a method of making photographic reproductions, the step which consists in treating a freshly developed silver negative with an aqueous solution containing ferric chloride and potassium ferri-cyanide.

1,632,741. OILING DEVICE. TURNER MILLER, Fayetteville, Ark. Filed Apr. 7, 1926. Serial No. 100,380. 2 Claims. (Cl. 308—105.)



1. The combination with a bearing having an oil well therein, provided with a passage to communicate with an element journaled on the bearing, of a means for feeding oil into the well and for scraping oil therefrom, comprising an auger received in the well and contacting with the walls thereof.

1,632,742. SHADE GUIDE. ERNEST E. MINARD, Detroit, Mich. Filed May 13, 1925. Serial No. 29,905. 6 Claims. (Cl. 156—26.)



1. Means for the screening of an opening, comprising slotted tubular posts at opposite sides of said opening, an extensible screen wider than and adjustably mounted at one end of said opening, the margins of said screen being adapted to traverse the slots of said posts in the adjustment of said screen, and resiliently yieldable means exerting tension transversely of said screen.

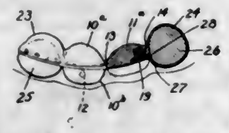
1,632,743. HAYSTACKER. MINER E. FENNER, Sumner, Nebr., assignor of one-half to H. S. Clouse, Sumner, Nebr. Filed Aug. 13, 1925. Serial No. 49,951. Renewed Dec. 23, 1926. 6 Claims. (Cl. 214—108.)



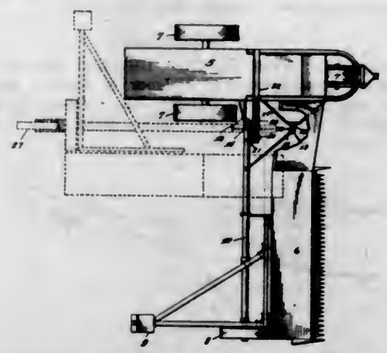
1. In a stacker, a carrier frame including a pair of connected, parallel, inclined side-plates each having a downwardly inclined, terminal extension, a fork movable on the carrier-frame, and a pair of pivotally mounted control-bars arranged to be moved by the fork for disposing it approximately in line with the downwardly inclined terminal extensions of the side-plates in engagement with said stop-members.

1,632,744. BRIDGE WORK. LAWRENCE A. KLANDER, New York, N. Y.; Anna Mathilda Klander executrix of said Lawrence A. Klander, deceased. Filed June 8, 1925. Serial No. 35,522. 9 Claims. (Cl. 32—12.)

1. A bridge construction comprising an artificial tooth structure, tooth engaging means at the opposite sides of said artificial tooth structure and integral therewith, said means involving adjustable clamping bands for fixedly securing and supporting the artificial tooth structure in connection with teeth disposed at the opposite sides thereof, said artificial tooth structure including a backing member, and means mounted in and constituting part of said member for retaining the clamping bands in connection therewith.

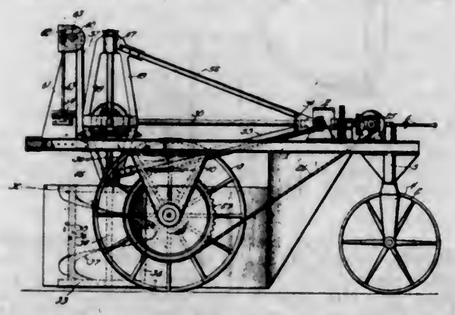


1,632,745. COMBINATION HARVESTER THRASHER. WALLACE F. MACGREGOR, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Feb. 17, 1925. Serial No. 9,894. 7 Claims. (Cl. 56—20.)



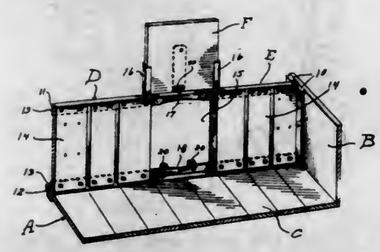
2. In a combination harvester-thrasher, a coupling for said elements comprising a brace pivotally mounted at one end of said harvester and at its opposite end pivotally connected to said thrasher, a removable hinge connecting said elements, and yielding means supported by said thrasher and connected to said harvester for sustaining the latter, when said hinge is disconnected from said thrasher.

1,632,746. APPARATUS FOR CUTTING AND MIXING SAND. VERNE E. MINICH, New York, N. Y., assignor to The American Foundry Equipment Company, New York, N. Y., a Corporation of Ohio. Filed Feb. 4, 1920. Serial No. 356,307. 9 Claims. (Cl. 259—144.)



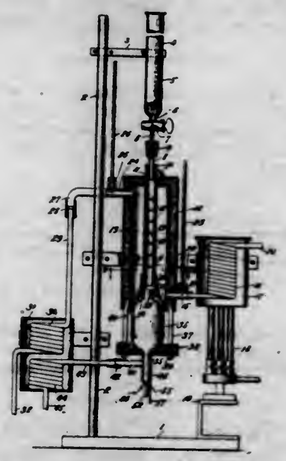
1. The combination of a vertically adjustable frame provided with two sets of bearings, one bearing in each set being above the other, rotary shafts mounted in said bearings, and rotary members carried by said shafts and located below the lower bearings, said rotary members being provided with sand mixing and cutting devices, said mixing and cutting devices comprising helical cutters and straight cutting blades arranged outside of said helical cutters lengthwise of the axis thereof.

1,632,747. END GATE. RONALD E. NASH and HARRY VON SPREECKEN, Montgomery, Iowa; said Nash assignor to said Von Spreecken. Filed Feb. 15, 1926. Serial No. 88,447. 3 Claims. (Cl. 296—52.)



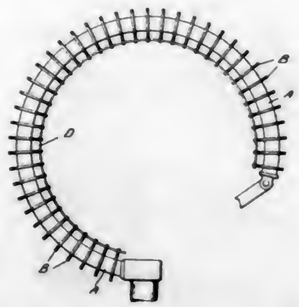
1. An end gate comprising upper and lower rails having forwardly inclined portions arranged one above the other, end boards carried by the rails to each side of the inclined portions and providing a doorway, guides arranged vertically to each side of the doorway, a door slidable vertically in said guides, and a yieldable pin carried by said door, said yieldable pin being guided by said inclined portions of the rails into position for retaining the door in either a raised or lowered position with respect to the doorway.

1,632,748. METHOD AND APPARATUS FOR DETERMINING EQUILIBRIUM VAPORIZATION END POINT. CHARLES E. PARSONS, Englewood, N. J., and RESTON STEVENSON, New York, N. Y., assignors to William P. Deppe, New York, N. Y. Filed Oct. 6, 1926. Serial No. 139,951. 20 Claims. (Cl. 73—51.)



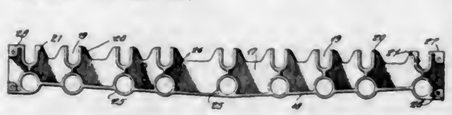
1. The method of determining the equilibrium vaporization end-point of liquids, which comprises completely vaporizing the liquid, superheating the vapors thus formed, then cooling a minute portion of said vapors and to condensation ascertaining the temperature of condensation.

1,632,749. BOURDON-TUBE SPRING. JOHN C. SHAW, Brooklyn, N. Y., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 20, 1925. Serial No. 24,670. 4 Claims. (Cl. 73—109.)



1. A Bourdon tube spring reinforcement, comprising a Bourdon tube with a plurality of loosely fitting reinforcing ribs surrounding the same and means for uniformly spacing said ribs apart throughout the length thereof for limiting the expansion of the tube under pressure.

1,632,750. DRIER FOR SHEET MATERIAL. ARTHUR J. VANCE, Painesville, Ohio, assignor to The Coe Manufacturing Company, Painesville, Ohio, a Corporation of Ohio. Filed Aug. 1, 1924. Serial No. 729,617. 3 Claims. (Cl. 34—12.)



2. A roll bearing bar having transverse journal receiving openings spaced longitudinally of the bar, the distances between centers of adjacent openings being unequal.

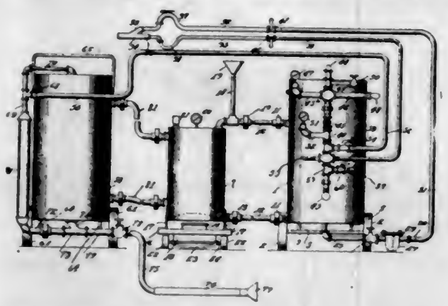
1,632,751. MUSICAL BAR. HERMAN E. WINTERHOFF, Indianapolis, Ind., assignor to Leedy Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Jan. 22, 1923. Serial No. 614,134. 4 Claims. (Cl. 84—403.)



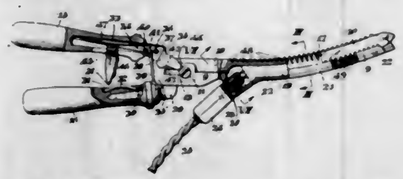
2. A musical bar so thinned at the antinodes of the fundamental tone and first overtone that the first overtone will be octavely spaced from the fundamental tone.

1,632,752. PROCESS FOR COATING STRUCTURAL SURFACES. JOSEPH H. WOOTTON, Washington, D. C., assignor to The Ply-Rite Contracting Company, Baltimore, Md. Filed Feb. 19, 1926. Serial No. 89,358. 2 Claims. (Cl. 91—68.)

1. A method of coating structural surfaces consisting of spraying upon the same by compressed air a liquid material composed of a mixture of asphaltum and petroleum products, controlling the temperature of the said material while it is being sprayed upon the surface to maintain a constant uniform fluid density of the material and a uniform application of the same to the surface irrespective of atmospheric temperature changes and air blasting upon said coating a layer of sand substantially the same temperature as the sprayed material.

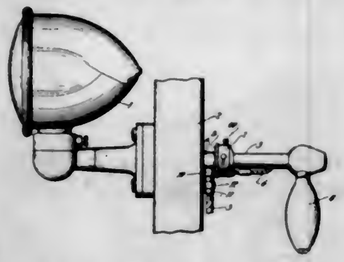


1,632,753. HAIR-WAVING DEVICE. OLIVER S. WRIGHT, Masontown, Pa., assignor to Neptune Manufacturing Company, Masontown, Pa., a Corporation of Delaware. Filed Nov. 21, 1925. Serial No. 70,476. 20 Claims. (Cl. 132—32.)



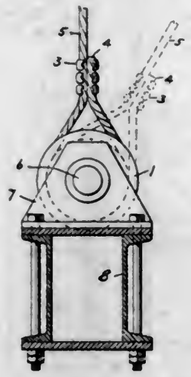
1. In a hair waving device comprising longitudinally curved and transversely notched opposing grip members each with handles, the combination of a cam-actuated shifter member mechanism operable by additional movement applied to one of the handles to pianaly shog said members relatively to one another.

1,632,754. CONTROLLING SWITCH FOR SPOTLIGHTS AND THE LIKE. ERNST G. K. ANDERSON, Chicago, Ill., assignor to Appleton Electric Company, a Corporation of Illinois. Filed Feb. 10, 1926. Serial No. 87,285. 11 Claims. (Cl. 200—52.)



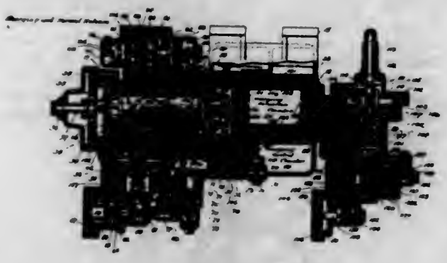
1. A switch device comprising two members, rotatable relatively to each other, and each provided with a terminal, contact pieces in said members adapted to be engaged with each other in any relative angular position of said members to connect said terminals together, and an element movable with one of said members and also capable of movement independently thereof to control the engagement of said contact pieces with each other.

1,632,755. MEANS FOR FASTENING HOISTING ROPE TO SKIP BUCKETS AND COUNTERWEIGHTS. HERBERT E. BIRCH, Philadelphia, Pa., assignor to R. H. Beaumont Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1926. Serial No. 89,544. 2 Claims. (Cl. 24—123.)



1. Means for fastening hoisting rope to skip buckets and the like which comprise a circular spool wheel around which the end part of the rope is wrapped at least substantially 1¾ turns, devices for securing the end of the rope to the reach thereof, and a frame in which the spool wheel is turnably mounted and which is adapted for attachment to the skip bucket and the like.

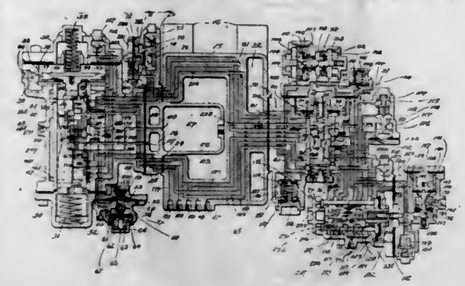
1,632,756. TRIPLE VALVE. CHARLES A. CAMPBELL, Watertown, N. Y., assignor to The New York Air Brake Company, a Corporation of New Jersey. Filed May 27, 1926. Serial No. 112,109. 37 Claims. (Cl. 303—38.)



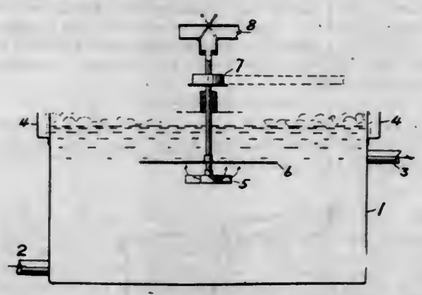
3. An air brake triple valve comprising in combination a service mechanism controlling the flow of auxiliary reservoir air to the brake cylinder and exhaust from the brake cylinder; an emergency portion controlling the discharge of brake pipe air from the brake pipe; and means subject to brake cylinder pressure arranged to dirct brake pipe air in emergency applications, to the brake cylinder while brake cylinder pressure is below a chosen value and to the atmosphere at other times.

1,632,757. TRIPLE VALVE. CHARLES A. CAMPBELL, Watertown, N. Y., assignor to The New York Air Brake Company, a Corporation of New Jersey. Filed Feb. 5, 1927. Serial No. 166,202. 28 Claims. (Cl. 303—38.)

2. The combination with a triple valve characterized by normal recharge upon normal releasing pressure and by restricted recharge upon higher releasing pressure in the brake pipe, of a pressure-actuated valve controlling a service vent from the brake pipe and comprising a sharp annular seat and a combined diaphragm and valve coacting with said seat and subject to brake pipe pressure acting in an opening direction; an equalizing chamber arranged to be charged in normal recharge position; a reduction chamber arranged to be vented to atmosphere in normal recharge position and charged in restricted recharge position, the triple valve structure having ports controlled by the triple valve and opened thereby in quick service position to connect said chambers and cause their equalized pressures to act on said diaphragm in a closing direction; a check valve normally closing against outflow through said service vent; and a diaphragm motor rendered active by the triple valve in quick service position to unseat said check valve.



1,632,758. PROCESS OF PURIFYING GAS. WALTER H. FULWEILER, Wallingford, and CLAUDE W. JORDAN, Norwood, Pa., assignors to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed June 24, 1926. Serial No. 118,384. 2 Claims. (Cl. 23—225.)

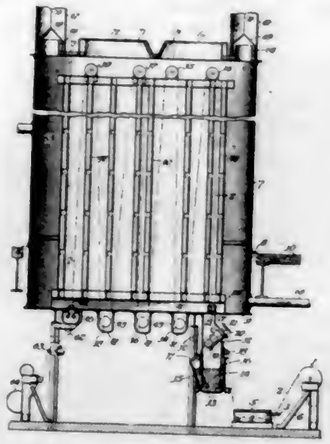


1. In the process of purifying gas the improvement in revivifying the foul solution of alkali sulphydrate which consists in stirring the solution with a rapidly moving immersed paddle, passing finely divided air through the solution by introducing air under the paddle, and selectively controlling the sub-division of the air by the speed of the paddle and the depth of its immersion and the supply of air.

1,632,759. PROCESS FOR TREATING RUBBER LATEX. ERNEST HOPKINSON, New York, and WILLIS A. GIBBONS, Little Neck, N. Y.; said Gibbons assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed June 9, 1925. Serial No. 36,041. 9 Claims. (Cl. 18—50.)

1. Method of rapidly separating the aqueous portion from a rubber latex which comprises treating the latex to increase its filterability, disposing the treated latex in contact with a water permeable material and withdrawing said aqueous portion from the latex through said material.

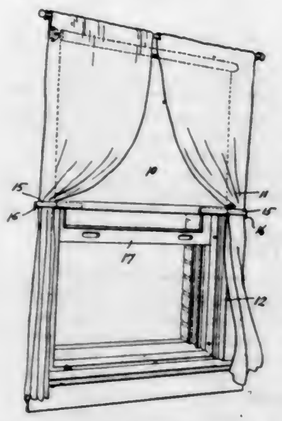
1,632,760. APPARATUS FOR COATING AND DRYING FABRIC OR THE LIKE. ROBERT R. JONES, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 2, 1921. Serial No. 489,348. 13 Claims. (Cl. 91—55.)



2. An apparatus for coating and drying fabric, or the like, comprising a drying chamber, a coating tank outside said drying chamber, a passageway being provided from the tank to the chamber, walls about said passageway extending within the liquid in the tank to form a seal and a second seal in the passageway above the tank, and means to operate the second seal to close the passageway.

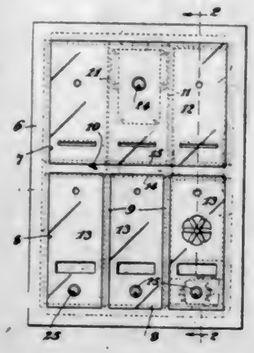
12. In a drying apparatus, having means for supporting and guiding fabric and a passageway through which the fabric leaves the apparatus, and a seal at the passageway, said seal comprising wipers which bear against the fabric and fluid expansible means for pressing the wipers against the fabric.

1,632,761. RETAINER. WILLIAM E. CLARK, Mount Hood, Oreg. Filed Feb. 12, 1926. Serial No. 87,877. 2 Claims. (Cl. 156—33.)



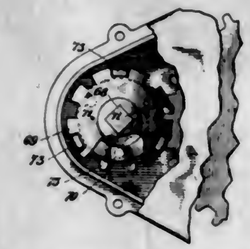
1. A retainer comprising an elongated member slidably mounted within the outer end of a pocket formed upon the lower edge of a shade adapted for engagement with a stick carried therein, and a laterally offset portion carried upon the outer end of the member to provide a finger engaging portion to facilitate withdrawing the member an appreciable distance to retain draperies to one side of the shade.

1,632,762. METAL RECEPTACLE. SAMUEL HAMMER, Brooklyn, N. Y., assignor to United Metal Box Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed June 23, 1926. Serial No. 117,935. 13 Claims. (Cl. 232—25.)



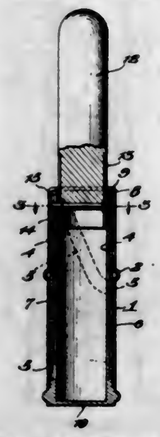
6. A mail box or receptacle having a wall thereof provided with an upper opening for the insertion of the mail and a lower opening for the withdrawal thereof from the receptacle, doors for said openings, and guard members having convex surfaces mounted in the receptacle structure respectively above the lower edge of the upper opening and below the upper edge of the lower opening in parallel relation therewith to prevent contact of the mail matter with said edges as it is inserted or withdrawn from the receptacle.

1,632,763. CLUTCH. PETER JOHN KUERSCHEIDT, Woodhaven, and HARRY E. NORWOOD, Brooklyn, N. Y., assignors, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y., a Corporation of Delaware. Original application filed Apr. 29, 1922, Serial No. 557,470. Divided and this application filed Apr. 28, 1926. Serial No. 105,062. 10 Claims. (Cl. 192—8.)



1. In a clutch mechanism, a rotatable operated member, a rotatable operating member rotatable with or relatively to said operated member, a fixed member, a longitudinally movable clutch member keyed for rotation with said operated member and having means formed thereon for engagement with said fixed member, spring means tending to move said clutch member into engagement with said fixed member, and means carried by said operating member for moving said clutch member out of engagement with said fixed member upon rotation of said operating member.

1,632,764. LIP-STICK HOLDER. ARTHUR H. NOBLE, Pawtucket, R. I., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Filed Nov. 4, 1926. Serial No. 146,165. 1 Claim. (Cl. 206—56.)



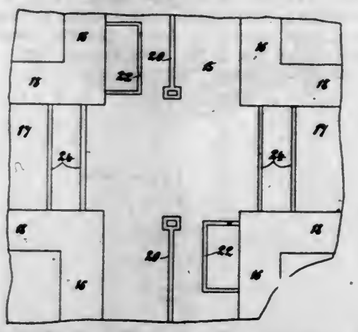
In a lip stick holder, a sleeve having an open upper end and a head on its bottom end and being formed with an axial slot extending through said open end, a second sleeve surrounding the first sleeve and having a spiral slot extending through its upper end, the upper end of the first sleeve having an outwardly extending flange which overlies the upper end of the second sleeve and which is provided with a slot registering with the upper end of the axial slot, a casing surrounding and fixed to the second sleeve and having an inturned flange at its upper end which overlies the first named flange and which is formed with a slot registering with the axial slot, and a lip stick carrier having a projection engaging in the axial and spiral slots, the spiral slot being formed to register with the slots of the flanges so as to automatically eject the carrier from the holder when the carrier projection enters the slots of the flanges during rotation of the head and thereby the first sleeve.

1,632,765. LIP-STICK HOLDER. ARTHUR H. NOBLE, Pawtucket, R. I., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Filed Nov. 4, 1926. Serial No. 146,166. 4 Claims. (Cl. 206—56.)



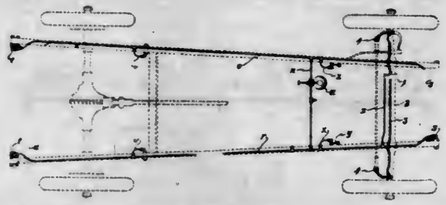
1. In a lip stick holder, a casing having an inturned top edge, a fixed sleeve in the casing having a spiral slot extending through its bottom end, a rotary sleeve in the fixed sleeve having an axial slot extending through its bottom end, said rotary sleeve having its lower end offset outwardly and slotted, a lip stick having a ferrule thereon, a projection on the ferrule, receivable in the sleeve slots, the lip stick being insertable into the rotary sleeve from the bottom thereof, and a head on the offset part of the rotary sleeve having an instruck part received in the slot of the offset part.

1,632,766. LUMINOUS PHOSPHORESCENT AND WATERPROOF COMPOSITION. HERMAN VON UFFEL, Philadelphia, Pa. Filed Aug. 2, 1924. Serial No. 729,765. 1 Claim. (Cl. 134—47.)



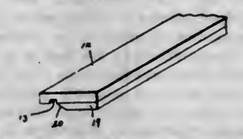
A luminous composition of the character described comprising calcium sulfide, calcium oxide, potassium sulphate, thallium nitrate, sulphur, lithium carbonate, rubidium nitrate, barium hydroxide, silicate of soda and China wood oil.

1,632,767. CHASSIS LUBRICATION. EDGAR J. BLOOM, Tiffin, Ohio, assignor, by mesne assignments, to Auto Research Corporation, a Corporation of Delaware. Filed May 19, 1922. Serial No. 562,090. 15 Claims. (Cl. 184—7.)



10. A chassis lubricating system comprising piping having an elevated inlet and including outlets leading to the bearings and restricting the free flow of fluid therethrough in either direction, and normally maintaining a quantity of oil in the piping, a supply installation at said inlet including a force pump operable at will to introduce small charges of lubricant into the piping and including an oil-sealed inlet valve closed during the intervals between pump operations, said outlets adapted to emit lubricant therethrough consequent upon forcing small charges of oil into the head of the pipe line until equilibrium in the system is restored.

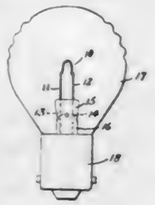
1,632,768. WELTED SHOE AND WELT THEREFOR. ABRAHAM DVILNSKY, Brockton, Mass. Filed May 5, 1926. Serial No. 106,801. 2 Claims. (Cl. 36—78.)



1. A shoe welt having an inseam stitch-engaging inner edge portion, an outseam stitch-engaging outer edge portion, and a thickening strip secured to the inner face of

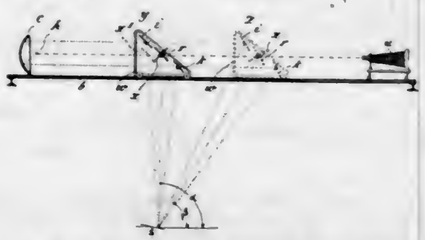
the welt flush with the outer edge of the latter, the thickening strip being narrower than the welt, so that the strip is wholly outside the inseam stitch-engaging portion of the welt, said strip having an outseam stitch-engaging portion bearing on the outseam stitch-engaging portion of the welt, and an inner edge formed to clear the path of a curved needle.

1,632,769. FILAMENT FOR INCANDESCENT LAMPS OR SIMILAR ARTICLES. CARL SEVERIN, Cleveland Heights, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Dec. 4, 1926. Serial No. 152,699. 3 Claims. (Cl. 176—40.)



1. In an electric incandescent lamp or similar device, a coiled filament comprising two leg portions connected by an intermediate or bend portion and having its coils substantially uniformly spaced from each other along the inside the filament.

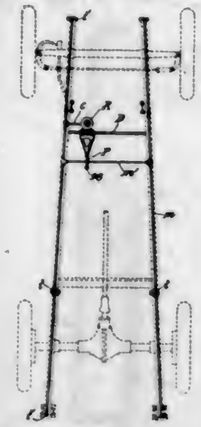
1,632,770. DEVICE FOR TAKING PHOTOGRAPHS. ERICH VON SCHUBERT, Berlin, Germany, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Filed Oct. 28, 1924, Serial No. 746,430, and in Germany Oct. 30, 1923. 5 Claims. (Cl. 95—82.)



1. A device for focusing a camera on an object comprising rotatable means for projecting a beam of light toward said object, and a reflector rotatable with said light projecting means for directing rays of light proceeding from the object into the camera.

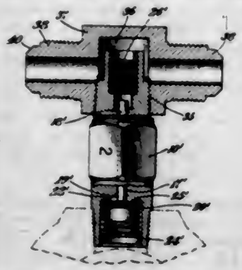
1,632,771. LUBRICATING INSTALLATION. JOSEPH BIJUR, New York, N. Y., assignor to Auto Research Corporation, a Corporation of Delaware. Filed July 24, 1926. Serial No. 124,566. 43 Claims. (Cl. 184—7.)

1. An installation for lubricating a plurality of widely distributed bearings including self-contained flow controlling fittings of fixed invariant flow resistance, mounted at the fixed elements of the several bearings, a source of lubricant and of pressure, a common pipe line of bore so small as to preclude the flow of oil about any air therein, leading from said source to all of said fittings, and connecting the latter in pressure transmitting communication with each other throughout emission from the fittings, there being substantial diversities in the resistance of pipe line interposed between the inlet and the various outlets, the resistance of each of said fittings being greater than that of the pipe line and that of the bearings, to thereby determine the flow to the bearings regardless of the tightness or looseness of the latter, said fittings having resistance so correlated with the pressure



at the source as to substantially control the rate of admission through the inlet under the applied pressure, and substantially closed to prevent emission during the intervals between pressure applications.

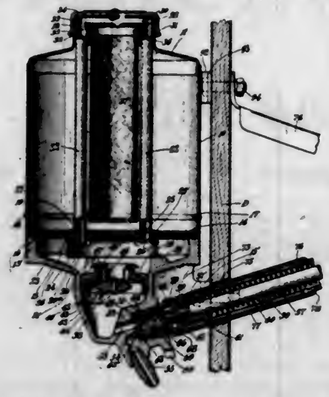
1,632,772. FLOW-CONTROL FITTING. JOSEPH BIJUR, New York, N. Y., assignor to Auto Research Corporation, a Corporation of Delaware. Filed July 31, 1926. Serial No. 126,115. 29 Claims. (Cl. 184—7.)



1. A drip plug for a pressure lubricating installation having a flow resistance so restricted as to permit seepage but prevent free flow from the fitting under working pressure, said fitting having a sealing part permitting the emission of lubricant when a predetermined pressure is exceeded and preventing reverse flow of air through the resistance, the cavity within said drip plug being so small in cross-section at all parts of the length thereof and so directly in the path of lubricant flow that any air will automatically be expelled as lubricant is forced into the fitting, and a strainer in the inlet end of said fitting having minute interstices capable of intercepting solid particles that might clog the resistance, the strainer presenting a substantial resistance to flow materially less than that incurred in said resistance.

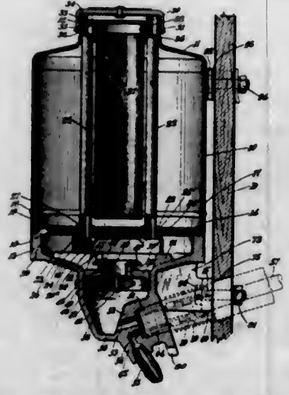
1,632,773. SUPPLY INSTALLATION FOR CENTRAL CHASSIS LUBRICATION. JOSEPH BIJUR, New York, N. Y., assignor to Auto Research Corporation, a Corporation of Delaware. Filed Aug. 26, 1926. Serial No. 131,640. 51 Claims. (Cl. 184—28.)

1. Apparatus of the character described comprising a reservoir, a pressure pump supplied therefrom, said pump having an ejector, said ejector having a part self-accommodating with respect to the pump outlet and adapted to close said outlet during the intervals between pump operations, one of the coacting elements of said closed outlet being of soft material, said reservoir connected with respect to said pump, to normally maintain said soft ele-



ment wet with oil, and an ejector return spring to exert pressure against said soft element while maintaining the pump outlet closed.

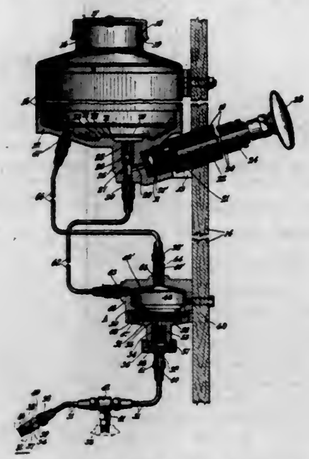
1,632,774. ELEMENT OF LUBRICANT SUPPLY INSTALLATIONS. JOSEPH BIJUR, New York, N. Y., assignor to Auto Research Corporation, a Corporation of Delaware. Filed Aug. 28, 1926. Serial No. 132,141. 48 Claims. (Cl. 184—28.)



1. A supply installation for a chassis lubricating system including a reservoir, a filling closure on said reservoir, a strainer therebelow, a filter disk below said strainer and above the reservoir bottom, and means venting said reservoir, said means including an air venting passage through said filter and having a lubricant-tight connection with respect thereto.

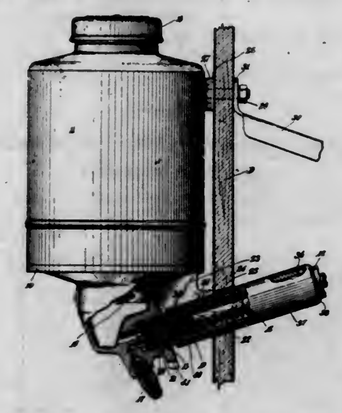
1,632,775. LUBRICATING INSTALLATION. JOSEPH BIJUR, New York, N. Y., assignor to Auto Research Corporation, a Corporation of Delaware. Filed Aug. 31, 1926. Serial No. 132,691. 19 Claims. (Cl. 184—7.)

1. A central lubricating installation comprising a pressure pump adapted to intermittently feed small charges of oil, a pipe line supplied therefrom and having a plurality of outlet branches leading to the various bearings, metering fittings at said various branches, each of said fittings including a relief valve normally seated to maintain the pipe system filled with oil, and an automatic selective device in the course of flow from the pump to the bearings and affording normally a relatively free passage for venting any air from the part of the system subjected to pump pressure, and reacting to lubricant, by virtue of the viscosity thereof, to sustain pressure transmitted through the lubricant,



whereby any air entering the part of the system subjected to pump pressure will be afforded a ready escape from near the pump, and the pressure from the pump will in all operations be transmitted through an incompressible column of lubricant to the various metering fittings.

1,632,776. SUPPLY INSTALLATION FOR CENTRAL CHASSIS LUBRICATION. JOSEPH BIJUR, New York, N. Y., assignor to Auto Research Corporation, a Corporation of Delaware. Original application filed Aug. 26, 1926, Serial No. 131,640. Divided and this application filed Apr. 9, 1927. Serial No. 182,362. 7 Claims. (Cl. 184—28.)



1. A supply installation for a chassis lubricating system, comprising a reservoir, a pump associated in a unitary structure therewith and deriving its charge therefrom, a common support for said reservoir and pump, affixed directly to said dashboard said pump having a cylinder structure protruding through and with the major part of the length thereof extending rearward from the dashboard, and a bracket supporting the outboard part of said structure.

Serial Nos. 1,632,777 to 1,633,561.

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Designs	46—No.	72,878 to No.	72,923, inclusive.
Patents	785—No.	1,632,777 to No.	1,633,561, inclusive.
Total	1,355		

Disclaimers.

Reis. 16,016.—*Joseph Seyer*, Hawthorne, N. J. Washable Dyed Silk Piece Goods and Process of Dyeing Them. Patent dated March 3, 1925. Disclaimer filed June 2, 1927, by the assignee, *Standard Silk Dyeing Company*.

Hereby enters this disclaimer to the following:

To the silk piece goods specified in claims 1, 6, 10, 11, 13, 14, 16, 21, 24, 25, 41, and 46, in so far as they include black piece dyed goods.

To the silk goods specified in claims 2 and 12, except when evenly dyed with blended dyes in colors.

To the silk goods specified in claims 15 and 17, except when dyed with blended dyes in colors.

To the process specified in claim 47, except when blending dyes to make colored silk piece goods, and

To the process specified in claim 50, except when working the piece goods in a boiling soap liquor and when blending dyes to make colored silk piece goods.

1,458,955.—*Jacob I. Russakov*, Chicago, Ill. Receptacle Cover. Patent dated June 19, 1923. Disclaimer filed June 6, 1927, by the patentee.

Hereby enters the following disclaimer with respect to said claim 1 and the particular part thereof herein specified, said disclaimer being as follows:

The words in claim 1, "the spring member being mounted at one side of the lid for swinging movements away from and toward the plate," appearing in lines 9, 10, 11 and 12 of the claim, mean that said spring member is permanently attached and held by a hingelike connection at one of its ends so that when its other end is released the mounted end still remains hingedly secured to the lid for the swinging movements described.

Any broader meaning or interpretation of said words "mounted * * * for swinging movements away from and toward the plate" in said claim 1 is hereby disclaimed.

1,511,420.—*Jacob I. Russakov*, Chicago, Ill. Receptacle Cover. Patent dated October 14, 1924. Disclaimer filed June 6, 1927, by the patentee.

Hereby enters the following disclaimer with respect to said claim and the particular part thereof herein specified, said disclaimer being as follows:

The words in claim 2 of said patent "spring member * * * mounted at one of its ends upon the frame for swinging movements" appearing in lines 4 to 7 of the claim mean that said spring member is permanently attached and held by a hingelike connection at one of its ends so that when its other end is released the mounted end still remains hingedly secured to the lid for the swinging movements described.

Any broader meaning or interpretation of said words "spring member * * * mounted * * * for swinging movements" in said claim 2 is hereby disclaimed.

Amendment to Rules of the Court of Appeals of the District of Columbia.

Paragraph 2 of Rule VIII of the Court of Appeals of the District of Columbia, as amended October 2, 1926, reads as follows:

"2. Only one hour, and in ex parte and trade-mark cases from the Patent Office a half hour, on each side shall be allowed in the argument, unless by special leave the time is extended by the court before the argument is commenced; but counsel in order to avail themselves of the opportunity to apply for additional time must make request therefor to the court accompanied by a copy of their printed brief, at least five days before the case is liable to be called for argument. The time may be apportioned between counsel on the same side at their discretion. In all cases, however, a full and fair opening must be made."

Suggestion for Use of Coupons.

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Condition of Applications Under Examination at Close of Business June 10, 1927.

(Total number of applications awaiting action, exeluding Trade-Mark Division, 62,639; Trade-Mark Division, 1,719. Oldest new case, Oct. 28, 1926; oldest amended, Oct. 22, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 22	Mar. 24	582
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 18	Feb. 19	735
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 11	Feb. 2	1,566
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	†Dec. 21	Jan. 4	1,543
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	†Dec. 14	†Dec. 20	969
106	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Nov. 19	†Nov. 9	1,584
133	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 6	Jan. 4	1,287
221	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 25	Feb. 1	1,606
118	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 7	Mar. 10	869
148*	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 3	Jan. 14	1,194
	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Feb. 2	Feb. 15	928
380	12. PIERCE, P. P., Machine Elements	Jan. 6	Jan. 13	1,235
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 10	Jan. 15	1,251
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	†Dec. 16	Jan. 12	1,232
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 24	Jan. 31	1,450
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 12	Feb. 23	726
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Oct. 28	†Dec. 6	730
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Nov. 15	†Dec. 3	1,031
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 18	Mar. 18	892
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Feb. 10	Feb. 2	947
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 11	Jan. 18	982
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	†Dec. 20	†Dec. 16	900
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 4	Jan. 15	782
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Nov. 16	†Nov. 20	1,062
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 19	Jan. 21	1,256
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 7	†Dec. 20	865
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 21	Mar. 4	844
225	28. BENSON, A. R., Internal-Combustion Engines	Jan. 28	Feb. 8	1,165
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 15	†Dec. 11	1,189
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 5	Feb. 21	1,054
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Jan. 3	Jan. 10	1,736
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 7	Feb. 8	1,023
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 9	Mar. 4	1,293
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	†Dec. 13	†Dec. 23	865
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 4	Mar. 22	922
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 12	Mar. 10	1,047
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Jan. 17	Jan. 19	1,384
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 1	Feb. 1	1,044
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 31	Mar. 8	682
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 6	Jan. 19	1,982
125	41. BROWN, J. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	739
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Dec. 27	†Dec. 28	1,483
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 19	Jan. 21	1,125
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 11	†Dec. 16	1,255
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 1	Feb. 28	951
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 10	Jan. 15	974
261	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 15	Jan. 15	1,468
213*	48. ROEPKE, O. B., Electricity, General Applications	Jan. 7	Jan. 8	983
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	†Dec. 17	†Dec. 17	950
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 16	Feb. 16	1,473
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	†Nov. 20	†Dec. 1	1,365
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Feb. 9	Feb. 13	1,197
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 5	Feb. 17	1,149
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Oct. 30	†Oct. 22	1,797
102	55. RICHARD, V. I. (Acting) { Bread, Pastry, and Confection Making; Cutlery	Jan. 15	Jan. 10	607
	{ Designs	May 4	May 16	639
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND { Trade-Marks	May 11	May 27	1,598
	{ Labels and Prints	May 28	May 30	121

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

BLUE JAY MANUFACTURING CO. *v.* MILLER.

Decided July 19, 1926.

1. TRADE-MARKS—ABANDONMENT OF APPLICATION—EFFECT OF.

While the abandonment of an application does not establish or even tend to establish abandonment of the use of the mark by the applicant, yet the fact of the application being abandoned can not be overlooked and the filing of the application cannot be regarded as sufficient to establish prima facie use of the mark by the applicant continuously since the application was abandoned.

2. SAME—CONTESTED CASE—MATTERS NOT OF RECORD OR ADMITTED MUST BE PROVED.

In a contested case matters not of record or admitted on a stipulation must be proved by evidence taken under the safeguard of cross examination.

APPEAL from Examiner of Interferences.

Trade-mark intererence No. 708 between the application of Blue Jay Manufacturing Co., filed June 4, 1924, Serial No. 198,052, and registration of Philip Miller, granted June 23, 1925, No. 200,021, on application filed January 29, 1925, Serial No. 208,817. Trade-mark for overalls, unionalls, and jackets.

Mr. William C. Linton for the Blue Jay Manufacturing Co.

Mr. Henry Orth, jr., for Miller.

KINNAN, *First Assistant Commissioner:*

This case comes on for review on appeal of the Blue Jay Manufacturing Company, applicant, of the decision of the Examiner of Trade-Marks dissolving the interference between appellant and Philip Miller, doing business as The Miller Overall Mfg. Co., registrant, on the ground that the date of adoption and use set forth by the appellant applicant is subsequent to the date of adoption and use by the registrant.

The record discloses that the appellant, Blue Jay Manufacturing Co., filed June 4, 1924, its application for registration of the mark "Big Six," arranged in a somewhat fanciful manner within a circle, used on overalls, unionalls, and jackets, and that registration was finally denied the applicant December 4, 1924. The party Philip Miller, doing business as The Miller Overall Mfg. Co., filed an application January 29, 1925, for the registration of the mark "Big Six," arranged somewhat differently, for use on overalls, jackets, and overall union suits, play suits, and rompers, and registration was issued June 23, 1925. Thereafter the applicant became aware of the registration issued the party Miller and requested an interference with such registrant. The declaration of the interference followed. A motion to dissolve was presented by the party Miller before any testimony was taken based upon the ground that priority of adoption and use of the mark by the party Miller was established by reason of an application having been filed January 3, 1916, for the registration of the same mark by the Miller Overall Mfg. Co., a firm comprising Philip Miller and Louis Sachs, the application being signed by Louis Sachs as a member of the firm, the party Miller alleging that he is the successor to the business of the firm which made the application. This application filed in 1916 became abandoned in 1918 after final rejection February 19, 1917.

The Examiner of Trade-Marks, notwithstanding the fact that the application for registration filed January 3, 1916, became abandoned nearly seven years before the party Miller filed his present application and notwithstanding also the application of 1916 was filed by a firm and signed by a member of the firm other than Miller and finally in the absence of any proof establishing that the party Miller is the successor to the business of the company making the application in 1916, held prior use by the party Miller of the mark was established. It is believed the Examiner was in error in reaching such a conclusion.

[1, 2] While the abandonment of the application filed in 1916 does not establish or even tend to establish abandonment of the use of the mark by the firm, yet the fact of the application being abandoned can not be overlooked and the filing of the application can not be regarded as sufficient to establish prima facie use of the mark by the party Miller continuously since such application was abandoned. There is nothing in the holding of the case of *The Rosenberg Company* v. *Phillips-Jones Company, Inc.*, 289 O. G. 411, which has any bearing upon a situation of the character here under consideration since in that decided case there was one application which was still a pending application when it was given its filing date for a prima facie date of adoption and use. In a contested case matters not of record or admitted on a stipulation must be proved by evidence taken under the safeguard of cross examination. The earlier application filed by the firm does not prove continuous use since such application became abandoned, does not prove any use by the party Miller, and there is no evidence at all that the party Miller is the successor of the business of the firm which filed the 1916 application.

The decision of the Examiner is vacated, the interference is reinstated, and the Examiner of Trade-Mark Interferences will proceed to set times for taking testimony to the end that the rights of the parties may be properly determined.

Court of Appeals of the District of Columbia.

IN RE FOLTZ.

No. 1,905. Decided February 7, 1927.

PATENTABILITY—CLAIMS—NEW COMBINATION PATENTABLE.

Where applicant evolved a system automatic in operation and containing a heating drum in which a flow of air is obtained without the use of means outside the heating plant, and the drum in the patent to F. is not located exterior to the furnace, while the flow of air in the patents to B. and E. is contrary to gravity, and induced in B. by movement of the engine and in E. by a fan and a steam-jet blower, *Held* that applicant has evolved a new combination productive of a substantially new result and is entitled to a patent.

APPEAL from the Patent Office. Reversed.

Mr. Charles J. O'Neill for Foltz.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appeal from a decision of the Patent Office refusing to allow any of the claims of an application for patent.

The invention relates to an air-heating appliance for stoves and furnaces and is designed to deliver a secondary supply of air to or above the body of the fuel. It comprises an air drum surrounding the outlet flue of the furnace and a supply conduit connecting the drum with the ashpit, while the delivery conduit of the air-heating drum enters the furnace and terminates in a plurality of branch conduits having outlets near or slightly above the fuel level. There are three claims, but claim 1 is sufficiently illustrative of the invention and reads as follows:

1. The combination with a furnace structure providing a firebox, an ashpit having an air inlet and an outlet, a grate, an outlet flue exterior to said furnace for carrying therefrom the products of combustion, of an air-heating drum surrounding said outlet flue exterior to said furnace, an air-supply conduit connecting said air-heating drum with the said air outlet in said ashpit for conveying air from said ashpit to said air-heating drum, and an air delivery conduit for conveying air from said air-heating drum to said firebox, which said air-supply conduit, together with said air-heating drum and said air-delivery conduit, form one continuous air conduit exterior to said furnace having an inlet in the ashpit and having an outlet in the firebox.

The principal references upon which these claims were rejected are the prior patent to Foltz (applicant here), No. 1,322,183, Nov. 18, 1919, to Babbitt, No. 172,368, Jan. 18, 1876, and to Eynon, No. 569,329, Oct. 13, 1896.

It is conceded that applicant's prior patent does not show a drum "exterior to the furnace," for the purpose of heating the air conduits. In other words, the means in the prior patent for preheating the air are not positioned outside the furnace and therefore do not utilize the waste products of combustion, but on the contrary, to some extent at least, diminish the heat of the furnace. The present application, we think, discloses a new and patentable combination, unless anticipated by the patents to Eynon and Babbitt.

The Babbitt patent, granted more than half a century ago, is an improvement in a locomotive engine. The flow of air is forced by the motion of the engine and contrary to gravity. This structure bears little or no resemblance to the device of the application. In the Eynon patent, granted some twenty years later than and notwithstanding the Babbitt patent, the air is forced in the inlet pipe by a fan and induced to flow into and downward through the heating unit by a steam-jet blower. This steam jet is an element in all the claims of the patent and indicates that it then was considered as invention to substitute a steam jet with associated parts to induce the downward flow of air through the heating drum. Thus in the Babbitt structure the volume and velocity of the air flowing downwardly through the heating drum is controlled by the forward movement of the engine. In the Eynon structure the downward flow of air in the heating drum is controlled by the fan and a steam-jet blower, either or both. The flow of air in applicant's drum, it will be observed, is in a direction opposite to that of the prior art and is not contrary to but controlled by gravity. Applicant, therefore, has done more than merely substitute a heating drum of the type of Babbitt and Eynon. He has evolved a system automatic in operation and containing a heating drum in which a flow of air is obtained without the use of means outside the heating plant. It is not contended by the Patent Office that the heating units disclosed by Babbitt and Eynon could be substituted by the applicant, but that the heating drum in the references could be so substituted.

Considering the age of these references, the very material differences in structure to which we have referred, and the apparent fact that the applicant has evolved a new combination productive of a substantially new and useful result, we think applicant is entitled to a patent. The decision therefore is reversed.

Reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

956,239, Watson & Watson, Metal screen; 1,238,854, W. W. Watson, Sheet-metal window screen for railway cars; 1,241,687; same, Weather strip for sheet-metal window screen, filed Apr. 21, 1927, D. C., E. D. Mich. (S. Div.), Doc. 1999, *W. W. Watson et al.* v. *Sheet Steel Products Co.*

982,193, F. I. Thayer, Outlet box, filed Nov. 18, 1926, D. C., N. D. Ohio (E. Div.), Doc. 2056, *Roach-Appleton Mfg. Co.* v. *The Mansfield Electric Hardware Co.* Consent decree holding patent valid and infringed Apr. 26, 1927.

1,019,406, L. H. Baekeland, Composite board, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/242, *Bakelite Corp.* v. *Mica Trading Corp.* Doc. E 41/243, *Bakelite Corp.* v. *H. Alstaedter.* Doc. E 41/244, *Bakelite Corp.* v. *Century Radio Panel Corp. et al.*

1,083,677, C. A. Friedrich, Method of producing high vacuum in X-ray tubes, etc., filed Apr. 1, 1927, D. C. Del., Doc. E 641, *C. Freshman Co., Inc.*, v. *Schickerling Products Corp.*

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engine, filed Apr. 14, 1927, D. C. Minn. (4th Div.), Doc. E 582, *H. H. Boyce et al.* v. *E. D. Fageros.*

1,113,149, E. H. Armstrong, Wireless receiving system, filed Dec. 18, 1926, D. C., S. D. N. Y., Doc. E 39/297, *Westinghouse Electric & Mfg. Co. et al.* v. *Kenwood Radio Co., Inc.* Decree sustaining patent and granting injunction Apr. 26, 1927.

1,125,476, G. Claude, System of illuminating by luminescent tubes, filed Apr. 18, 1927, D. C., W. D. Wash. (Seattle), Doc. 587, *Electrical Products Corp.* v. *Brilliant Tube Sign Co. et al.* Same, filed Apr. 20, 1927, D. C. Oreg. (Portland), Doc. E 8907, *Electrical Products Corp.* v. *A. G. Ramsay (Ramsay Sign Co.).*

1,173,079, E. F. W. Alexanderson, Selective tuning system; 1,231,764, F. Lowenstein, Telephone relay; 1,251,377, A. W. Hull, Method of and means for obtaining constant direct-current potentials, filed Apr. 23, 1927, D. C., S. D. N. Y., Doc. E 41/216, *Radio Corp. of America et al.* v. *C. Freshman Co., Inc.*

1,197,256, H. Brearley, Cutlery; 1,299,404, E. Haynes, Wrought-metal article, filed Sept. 23, 1926, D. C., S. D. N. Y., Doc. E 38/282, *American Stainless Steel Co.* v. *Edwards & Rouden, Inc.* Consent decree sustaining patents, adjudging claims 1, 2, and 4 of 1,299,404 and claims 1 and 3 of 1,197,256 infringed, injunction granted Apr. 2, 1927.

1,231,764. (See 1,173,079.)

1,238,854. (See 956,239.)

1,241,687. (See 956,239.)

1,249,885, W. J. Barber, Combined mop and wringer, filed Apr. 26, 1927, D. C., N. D. Ohio (W. Div.), Doc. E 756, *The E. & N. Mfg. Co.* v. *The Delphos Mop Co. et al.*

1,251,377. (See 1,173,079.)

1,254,645, Avery & Booth, Train stop, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/241, *The American Automatic Train Control Co.* v. *New York Central Rail Road Co. et al.*

1,299,404. (See 1,197,256.)

1,334,802, J. Schneider, Insulator clamp, filed July 16, 1925, D. C., S. D. N. Y., Doc. E 32/359, *Memco Engineering & Mfg. Co. Inc.*, v. *High Tension Co., Inc.* Bill dismissed without prejudice Apr. 25, 1927.

1,343,483, E. P. Scholes, Railroad switch, filed July 29, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1732, *E. P. Scholes et al.* v. *Western Pacific Railway Co.* Patent held not infringed (notice dated Apr. 19, 1927).

1,389,095. (See Re. 15,648.)

1,389,577. (See Re. 15,648.)

1,371,247, J. Jonas, Hat-stretching machine, filed Apr. 22, 1927, D. C., S. D. N. Y., Doc. E 41/203, *J. Jonas* v. *J. Paley (The Pioneer Equipment Co.).*

1,434,029, L. H. Shover, Candy jar, filed Dec. 19, 1927, D. C. Ind., Doc. 884, *Panay Horizontal Show Jar Co.* v. *D. C. Jenkins Glass Co.* Dismissed for want of equity Apr. 7, 1927.

1,445,861, B. von Bultzingslowen, Advertising sign, filed Apr. 26, 1927, D. C., S. D. N. Y., Doc. E 41/218, *B. von Bultzingslowen* v. *Manheimer-Weiss Sign Co., Inc.*

1,506,521, I. Florman, Mounting for automobile ornaments, filed Apr. 27, 1927, D. C., S. D. N. Y., Doc. E 41/219, *I. Florman* v. *U. S. Auto Lamp Mfg. Co., Inc.*

1,509,418, A. E. Cofrin, Method of making crepe paper, filed Apr. 9, 1927, D. C., E. D. Wis. (Milwaukee), Doc. 2015, *Fort Howard Paper Co.* v. *Hoberg Paper & Fibre Co.*

1,519,046, J. C. Pewther, Antirattler, filed Apr. 21, 1927, D. C. Kans. (2d Div.), Doc. E 458–N, *J. C. Pewther* v. *Western Auto Supply Co. et al.*

1,537,879, A. L. Putnam, Pneumatic-treaded vehicle wheel, filed Apr. 26, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2008, *Steel Wheel Corp.* v. *B. F. Goodrich Rubber Co.*

1,561,368, R. H. Staley, Motor-vehicle attachment, filed Sept. 13, 1926, D. C., N. D. Iowa (Cedar Rapids), Doc. E 99, *The Baker Mfg. Co.* v. *La Plant-Choate Mfg. Co.* Judgment for plaintiff Apr. 13, 1927.

1,561,506, R. Chilton, Engine starter, filed Apr. 28, 1927, C. of Claims, D. of C., Doc. H–174, *Healey-Aeromarine Bus Co., Inc.*, v. *The United States.* Same, filed Apr. 29, 1927, D. C., W. D. N. Y., Doc. 1091–F, *Healey-Aeromarine Bus Co., Inc.*, v. *Eclipse Machine Co.*

1,563,174, Dumbleton & Lindberg, Self-adapting sleeve stretcher, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/222, *R. Cunningham (Parisian Sleeve Form Co.)* v. *I. Goldberg.* Doc. E 41/223, *R. Cunningham (Parisian Sleeve Form Co.)* v. *A. Roberts.*

1,603,958, D. H. King, Radiator shield, filed Apr. 21, 1927, D. C., W. D. Wash. (Seattle), Doc. 589, *Pacific Radiator Shield Co.* v. *Stewart & Mills Mfg. Co.*

Re. 13,436, F. G. Perkins, Glue and method of making same, filed Apr. 26, 1927, D. C., M. D. Pa. (Scranton), Doc. 538, *Perkins Glue Co.* v. *Montgomery Table & Desk Works, Inc., et al.* Doc. 539. *Perkins Glue Co.* v. *J. K. Rishel Furniture Co., Inc., et al.*

Re. 15,648, E. E. Eldredge, Process of sterilizing cheese; 1,389,095, Carpenter & Eldredge, Swiss cheese and method for sterlizing same; 1,389,577, same, Cheese and process of sterilizing same, filed June 4, 1924, D. C., E. D. Wis. (Milwaukee), Doc. 1432, *Phenix Cheese Corp.* v. *Pabst Corp.* Consent decree for plaintiff Apr. 20. 1927.

Re. 16,157, J. C. W. Hinshaw, Trailer truck, filed Apr. 21, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2209, *Mercury Mfg. Co.* v. *The Ohio Galvanizing & Mfg. Co.*

Des. 43,459, Kellner & Worms, Knitted necktie, filed Dec. 2, 1926, D. C., S. D. N. Y., Doc. E 39/211, *Franklin Knitting Mills, Inc.*, v. *C. Groupp.* Decree pro confesso sustaining patent and granting injunction Apr. 23, 1927. Same, filed Dec. 6, 1926, D. C., S. D. N. Y., Doc. E 39/224, *Franklin Knitting Mills, Inc.*, v. *J. Fink.* Decree same as above. Doc. E 39/227, *Franklin Knitting Mills, Inc.*, v. *B. Krauss, Inc.* Decree as above. Same, filed Dec. 9, 1926, D. C., S. D. N. Y., Doc E 39/248, *Franklin Knitting Mills, Inc.*, v. *S. W. Green.* Decree as above Doc. E 39/249, *Franklin Knitting Mills, Inc.*, v. *J. Soling.* Decree as above. Same, filed Jan. 6, 1927, D. C., S. D. N. Y., Doc E 40/8, *Franklin Knitting Mills, Inc.*, v. *B. Berkowitz.* Decree as above. Same, filed Jan. 7, 1927, D. C., S. D. N. Y., Doc. E 40/12, *Franklin Knitting Mills, Inc.*, v. *J. Silver* (*Silver's Mens Shop*). Decree as above.

Des. 67,031, S. Haskell, Doll, appeal filed Nov. 11, 1926, (2d Cir.), Doc. 9431, *Mutual Novelty Corp. v. E. Goldberger.* Decree affirmed (notice dated Apr. 22, 1927).

ADJUDICATED PATENTS.

(C. C. A. Md.) The Wolf patent, No. 787,814, for mineral-separation process involving flotation of mineral particles by buoyancy of oil, *Held* not infringed. *Wolf Mineral Process Corporation* v. *Minerals Separation North American Corporation*, 18 F. (2d) 483, affirming decree (D. C.) 7 F. (2d) 903.

(C. C. A. Ohio.) The Altmann patent, No. 882,136, for latch for vehicle doors, claims 1 and 2 *Held* void for anticipation. *Cincinnati Cadillac Co.* v. *English & Mersick Co.*, 18 F. (2d) 542.

(C. C. A. Pa.) The Speer and Forster patent, No. 1,071,364, for alloy of iron, *Held* valid, but not infringed. *American Adamite Co.* v. *Mesta Mach. Co.*, 18 F. (2d) 538, affirming decree (D. C.) 17 F. (2d) 945.

(C. C. A. Ohio.) The Blackburn patents, Nos. 1,144,318, 1,240,169, and 1,308,979, for cable hangers, *Held* not infringed. *Blackburn* v. *National Telephone Supply Co.*, 18 F. (2d) 544.

(C. C. A. Wyo.) The Barnickel patent, No. 1,223,659, for covering process for separating oil content of roily oils by water-softening agents. *Held* not void for double patenting or uncertainty. *Producers' & Refiners' Corporation* v. *Lehmann*, 18 F. (2d) 492.

(C. C. A. Ill.) The Cramer patent, No. 1,431,907, for apparatus for player piano, claim 55 *Held* not infringed. *Cramer* v. *Motor Player Corporation*, 18 F. (2d) 450.

(D. C. N. Y.) The Hazeltine patent, No. 1,450,080, for electric circuit for neutralizing capacity coupling in radioreceivers, *Held* valid as to claims 1 and 5 and infringed as to claim 1. *Hazeltine Corporation* v. *Electric Service Engineering Corporation*, 18 F. (2d) 662.

(D. C. N. Y.) The Hazeltine patent, No. 1,489,228, for means for neutralizing capacity coupling in radioaudions, claims 1 and 2 *Held* not infringed. *Hazeltine Corporation* v. *Electric Service Engineering Corporation*, 18 F. (2d) 662.

(D. C. N. Y.) The Judelson patent, No. 1,513,594, for laundry drier, *Held* valid and infringed. *Judelson* v. *Hill Laundry Equipment Co.*, 18 F. (2d) 594.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,599,744, J. V. Chapmon, Well cleaners and developers, decided May 14, 1927, claims 1 and 2.

Pat. 1,598,811, J. L. Ferrin, Cleaning tools, decided May 14, 1927, claim 1.

Pat. 1,567,273, J. Karitzki, Nail expansion and method, decided June 2, 1927, claims 3, 4, 5, 6, and 7.

Pat. 1,541,388, L. Polinkowsky, Automatic telephone-exchange system, decided May 3, 1927, claims 1, 2, 3, 4, 10, 11, 12, and 15.

Pat. 1,472,018, F. O. Heltzel, Hold-tight rail connection, decided May 10, 1927, claims 5, 9, and 22.

Pat. 1,383,770, P. J. Simmen, Automatic speed control for railways, decided May 9, 1927, claims 4, 22, 23, 6, 7, 1, 2, 3, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 24, and 25.

Pat. 1,355,184, J. C. Taliaferro, D. P. Robinson, and J. Coyle, Conveying and timing apparatus for timing and delivering articles, decided May 14, 1927, claims 1, 4, and 6.

Final decision in interference has been rendered against the following trade-mark:

T. M. 116,701, Poultry and poultry products of all kinds, Sunshine Poultry Farm, Shelby, Wis. Registered May 15, 1917. Decided May 12, 1927.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 21, 1927.

[VOL. 359. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for " under the ten-year proviso " are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 199,887. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HARRISON & EICHENLAUB; said Eichenlaub assignor to said Harrison, Chicago, Ill. Filed July 11, 1924.

HEART O' ORANGE

No claim is made for the word "Orange" apart from the mark as shown.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since June 14, 1924.

Ser. No. 203,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAUCK MILLING COMPANY, St. Joseph, Mo. Filed Oct. 13, 1924.

SNOW FLAKE

Particular description of goods.—Wheat Flour.

Claims use since prior to Aug. 7, 1866.

Ser. No. 205,334. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. A. HARAM & CO. INC., New York, N. Y. Filed Nov. 15, 1924.



The outline of the container of the goods and all the reading matter shown on the drawing except the words "King Harald" are disclaimed apart from the other features of the mark.

Particular description of goods.—Canned Fish—Namely, Brisling Sardines Canned in Olive Oil, Small Fat Herrings Canned in Tomato Sauce, and Small Mackerel Canned in Tomato Sauce.

Claims use since Sept. 30, 1924.

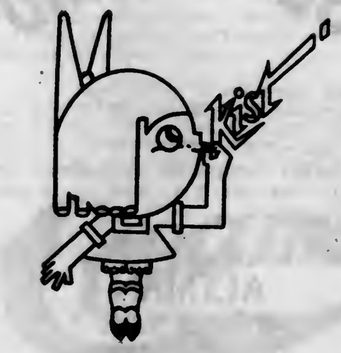
Ser. No. 211,437. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) B. HAUPT, INC., Brooklyn, N. Y. Filed Mar. 21, 1925.



Particular description of goods.—Christmas Ornaments—Namely, Tin Foil, Fancy Electric Globes, Glass Balls, Etc.

Claims use since Sept. 19, 1922.

Ser. No. 212,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 4, 1925.



Particular description of goods.—Flavors for Frozen Confections or Other Foods.

Claims use since Dec. 1, 1924.

Ser. No. 212,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEINSTEIN & SMITH, doing business as Littel Candy Co., Washington, D. C. Filed Apr. 18, 1925.

"They Speak for Themselves"

Particular description of goods.—Candy.

Claims use since Feb. 10, 1923.

Ser. No. 213,279. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CONTINENTAL MOTORS CORPORATION, Detroit, Mich. Filed Apr. 25, 1925.

Continental Motors

No claim is made herein to the word "Motors" apart from the mark as shown.

Particular description of goods.—Internal-Combustion Engines for General Power Application; Complete Industrial Power Units for General Power Application, Each Unit Including an Internal-Combustion Engine Mounted in a Frame with Cooling Fluid and Fuel Tanks; Replacement and Spare Parts for Such Engines and Power Units; and Accessories for Such Engines and Power Units Including Carburetors, Fuel Economizers, Fuel Heaters, Supercharging Devices, Governors and Controlling Devices, Gearing and Transmission Devices Including Clutches, Lubricating Devices and Lubricant-Purifying Devices, Air Cleaners and Regulators, Fuel Feeding and Purifying Devices, and Engine Vibration Dampers.
Claims use since Jan. 15, 1917.

Ser. No. 216,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. D. AND A. B. SPRECKELS SECURITIES COMPANY, San Francisco, Calif. Filed June 23, 1925.

SEA-ISLAND

Particular description of goods.—Sugar.
Claims use since about May 15, 1918.

Ser. No. 221,687. (CLASS 39. CLOTHING.) B. ALTMAN & CO., New York, N. Y. Filed Oct. 14, 1925.

ALTMAN
QUALITY SERVICE
VALUE

Applicant owns registration #226,701. No claim is made to the exclusive right to the use of the words "Quality," "Service," and "Value" apart from the mark shown.

Particular description of goods.—Women's Dresses and Wraps.
Claims use since Sept. 30, 1925.

Ser. No. 226,698. (CLASS 2. RECEPTACLES.) UNION TANK & PIPE CO., Los Angeles, Calif. Filed Jan. 30, 1926.

UNION

The representation of the goods is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Storage Tanks and Metal Shipping Drums.
Claims use since 1918.

Ser. No. 229,994. (CLASS 37. PAPER AND STATIONERY.) WEBER COSTELLO CO., Chicago Heights, Ill. Filed Apr. 10, 1926.

ALPHA

Particular description of goods.—Dustless Crayons.
Claims use since 1895.

Ser. No. 230,059. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. HEINR. TRAUN & SÖHNE, VORMALS HARBURGER GUMMI KAMM-COMPAGNIE, Hamburg, Germany. Filed Apr. 12, 1926.

SEMPER SURSUM.

Particular description of goods.—Synthetic and Other Artificial Resins Sold in Block Form, Sheet Form, and in Partly-Prepared Molded Forms, Useful for Purposes Similar to Those for Which Amber is Used; Also Useful as an Insulating Material.
Claims use since about 1875.

Ser. No. 230,815. (CLASS 32. FURNITURE AND UPHOLSTERY.) AMERICAN PARLOR FURNITURE COMPANY, Chicago, Ill. Filed Apr. 28, 1926.

AMERICAN GUEST

Particular description of goods.—Beds.
Claims use since Dec. 1, 1924.

Ser. No. 231,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. DE TESSAN, Paris, France. Filed May 4, 1926.

IDRISS

Particular description of goods.—A Product for Blackening the Eyes and Known Under the Name of Kohl.
Claims use since Jan. 13, 1926.

Ser. No. 231,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PREMIER COLOR WORKS, New York, N. Y. Filed May 14, 1926.

LUNA BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Food-Flavoring Extracts.
Claims use since November, 1922.

Ser. No. 231,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAUD H. WELLS, doing business as Mrs. Stanley Wells, Saskatoon, Saskatchewan, Canada. Filed May 17, 1926.

HEPATOLA

Particular description of goods.—Medicines for Cleaning the System, Removing Gall Stones, and for the Relief of Appendicitis.
Claims use since Mar. 19, 1926.

Ser. No. 232,024. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MENTHO JELL COMPANY, INC., Albert Lea, Minn. Filed May 21, 1926.

MENTHORUB

Particular description of goods.—Medicine for External Use in the Treatment of the Bronchial and Nasal Passages, Bronchitis, Catarrh, Colds, Hay Fever, Asthma, Whooping Cough, Pneumonia, and Kindred Disorders.
Claims use since 1906.

Ser. No. 232,723. (CLASS 38. PRINTS AND PUBLICATIONS.) THE EL PASO TIMES COMPANY, El Paso, Tex. Filed June 4, 1926.

The El Paso Times

Particular description of goods.—Newspapers.
Claims use since 1880.

Ser. No. 232,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NOVELTY CANDY CO., Seattle, Wash. Filed June 9, 1926.

Goofy Face

Particular description of goods.—Candy
Claims use since Dec. 14, 1925.

Ser. No. 233,103. (CLASS 39. CLOTHING.) CENTRAL SHOE COMPANY, St. Louis, Mo. Filed June 12, 1926.

Robin Hood

Ortho-Arch Health Aid Last

Applicant owns registration No. 202,630. No claim is made to the words "Ortho-Arch Health-Aid Last" apart from the mark as shown.

Particular description of goods.—Shoes Made of Leather, Cloth, Canvas, or Combinations Thereof.
Claims use since June 2, 1926.

Ser. No. 233,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MULLER BAKERIES, INC., doing business as Battle Creek Wafer & Specialty Company, Grand Rapids, Mich. Filed June 10, 1926.

Creamo

Particular description of goods.—Bread.
Claims use since June 1, 1911.

Ser. No. 233,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSA B. ELLIOTT, Berwyn, Okla. Filed June 28, 1926.

Perrol Hair Grower

No claim is made for the words "Hair Grower" apart from the mark shown in the drawing.

Particular description of goods.—Hair Grower.
Claims use since Jan. 1, 1923.

Ser. No. 233,986. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGELO GLORIOSO, New Orleans, La. Filed July 1, 1926.

KITTY

Particular description of goods.—Tomato Paste.
Claims use since 1914.

Ser. No. 234,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SUGAR COMPANY, Philadelphia, Pa. Filed July 16, 1926.

QUAKER



Particular description of goods.—Denatured Alcohol.
Claims use since about July 7, 1926.

Ser. No. 235,441. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE VITAPHONE CORPORATION, New York, N. Y. Filed July 31, 1926.

Vitaphone

Particular description of goods—Synchronized Apparatus for Simultaneously Reproducing Co-Ordinated Light and Sound Effects, and the Component Parts of Such Apparatus.
Claims use since June, 1926.

Ser. No. 235,482. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KOLN-ROTTWEIL AKTIENGESELLSCHAFT, Berlin, Germany. Filed Aug. 2, 1926.

Vistra

Particular description of goods.—Silk and Other Fibers Made From Cellulose.
Claims use since Apr. 13, 1921.

Ser. No. 236,821. (CLASS 12. CONSTRUCTION MATERIALS.) UNIVERSAL GYPSUM & LIME CO., Chicago, Ill. Filed Sept. 2, 1926.

UNIVERSAL GYPSUM

No claim is made to the exclusive use of the word "Gypsum" apart from the mark shown in the drawing.
Particular description of goods.—Composition Construction Blocks and Partition Tile.
Claims use since on or about Feb. 5, 1926.

Ser. No. 237,414. (CLASS 37. PAPER AND STATIONERY.) PETER C. HOFMANN, doing business as Century Printing Co., St. Louis, Mo. Filed Sept. 18, 1926.

Who's your printer?



Particular description of goods.—Printed Mailing Envelopes, Letterheads, Billheads, Stock-Certificate Forms, Shipping Tags, Loose-Leaf Binders, Bound Ledgers, Check Books, Sheets for Loose-Leaf Binders, Legal Forms, Statement Forms, Order Blanks, Vouchers, Proxy Forms, Report Forms, Post-Card Forms, Subscription Cards, Bank-Statement Forms, Coupon Books with Blank Forms to be Filled in, and Ruled and Unruled Blank Books.
Claims use since Aug. 1, 1926.

Ser. No. 237,531. (CLASS 39. CLOTHING.) LOUIS BASKIND & CO. INC., New York, N. Y. Filed Sept. 22, 1926.

Banner

Particular description of goods.—Negligee, Dress, and Work Shirts.
Claims use since Aug. 19, 1926.

Ser. No. 237,718. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HEINR. BÖKER & Co., Solingen, Germany. Filed Sept. 25, 1926.



Particular description of goods.—Scissors and Shears.
Claims use since Jan. 1, 1867.

Ser. No. 238,195. (CLASS 39. CLOTHING.) I. & B. SAPIRO CLOAK CO., New York, N. Y. Filed Oct. 5, 1926.



Applicant disclaims the words "Fabric," "Garment," and "Habit," apart from the mark shown in the drawing.
Particular description of goods.—Ladies' Coats.
Claims use since Aug. 1, 1921.

Ser. No. 238,233. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PORTAGE TOOL COMPANY, Akron, Ohio. Filed Oct. 6, 1926.

WHALEBONE

Particular description of goods.—Chipping Chisels, Chisel Blanks, Track Chisels, Hammers, Rivet Sets, Nozzle Bushings for Pneumatic Hammers, Pistons for Pneumatic Hammers, Punches, Dies, Reducing Bushings, Drift Pins, Chisel Adapters, and Star Drills.
Claims use since Dec. 19, 1921.

Ser. No. 238,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEEMAN BROTHERS, INC., New York, N. Y. Filed Oct. 6, 1926.

Surprize

Particular description of goods.—Cherries in Sirup Artificially Colored in Bottles, Cans, or Other Containers.
Claims use since Jan. 15, 1926.

Ser. No. 238,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STUART KNOX THOMAS, Hanford, Calif. Filed Oct. 13, 1926.

TREASURE

Particular description of goods.—Fresh Deciduous Fruits, Fresh Grapes, Fresh Vegetables, Fresh Citrous Fruits, and Fresh Melons.
Claims use since May 20, 1926.

Ser. No. 239,166. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON AIR COMPRESSOR COMPANY, Dayton, Ohio. Filed Oct. 25, 1926.



No claim is made to the word "Dayton" apart from the mark shown in the drawing.
Particular description of goods.—Air Compressors.
Claims use since on or about Jan. 1, 1920.

Ser. No. 239,448. (CLASS 5. ADHESIVES.) WELDSIT MFG. CO., Philadelphia, Pa. Filed Oct. 29, 1926.

WELDS-IT

Particular description of goods.—Adhesive Compound for Repairing Rubber Goods.
Claims use since June 30, 1926.

Ser. No. 239,510. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CRYSTALITE PRODUCTS COMPANY, Detroit, Mich. Filed Nov. 1, 1926.

CRYSTALITE

The shading in the drawing is used to indicate the colors green and purple.

Particular description of goods.—Washing Compound in Liquid Form.

Claims use since Sept. 1, 1926.

Ser. No. 240,127. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ROSS C. CAMPBELL, Springfield, Ill. Filed Nov. 16, 1926.

Vent-A-Shade
TRADE-MARK

Words appearing in the drawing with the exception of the designed word "Vent-A-Shade" are descriptive only and are not claimed as part of the mark. Applicant disclaims the word "Shade" except as used in the mark.

Particular description of goods.—Window Awnings.

Claims use since about Mar. 15, 1926.

Ser. No. 240,255. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) GROS, GRENIER, OSTORERO & CIE, Saint-Claude (Jura), France. Filed Nov. 18, 1926.

VÉGÉ

Particular description of goods.—Pipes, Cigar and Cigarette Holders, and Tobacco Pouches.

Claims use since July 15, 1926.

Ser. No. 240,636. (CLASS 7. CORDAGE.) WHITLOCK CORDAGE COMPANY, New York, N. Y. Filed Nov. 26, 1926.



No claim is made to the representation of the rope apart from the mark shown. A multi-ply yarn made up of several yarns twisted together, is arbitrarily used in contrast with the single-ply yarns forming the strand cover yarns in twisted rope structure in such manner that at each emergence of the multi-ply yarn to the exterior of the rope it produces the appearance of a longitudinal series of substantially parallelogram-shaped figures as illustrated in the accompanying drawing, thereby distinguishing applicant's rope from the product of all other manufacturers.

Particular description of goods.—Rope.

Claims use since on or about Apr. 1, 1923.

Ser. No. 240,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK EDWARD COE, London, England. Filed Nov. 30, 1926.

HERVEA

Particular description of goods.—Medicinal Tonics for Nervous and Rheumatic Affections.

Claims use since Dec. 28, 1921.

Ser. No. 240,814. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Dec. 1, 1926.

RAIN-BREAKER

Particular description of goods.—Men's and Boys' Furnishings, Undergarments, and Clothing — Namely, House Coats, Waistcoats, Bath Robes, Smoking Robes, Smoking Jackets, Drawers, Pyjamas, Dress Shirts, Undershirts, Nightshirts, Sweat Shirts, Union Suits, Bathing Suits, Swimming Suits, Dressing Gowns, Sweaters, Scarfs, Mufflers, Collars, Gloves, Hosiery, Overcoats, Raincoats, Dress Suits, Golf Suits, Hunting Suits, Riding Suits, Tuxedo Suits, Walking Suits, Norfolk Suits, Sack Suits, Trousers, Blouses, Belts for Outside Wear, Ties, Garters, Suspenders, Lumberjacks, Knickerbockers, Hats and Caps Made Out of Textile Material, and Gloves, Sweaters, Scarfs, Mufflers, Bathing Suits, Swimming Suits, Drawers, Undershirts, Hats and Caps Made Out of Knitted Material; and for Women's, Girls', and Misses' Furnishings, Undergarments, and Clothing—Namely, Dresses, Corsets, Tailored Suits, Walking Suits, Sports Suits, Golf Suits, Riding Suits, Outer Skirts, Scarfs, Nightgowns, Petticoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirtwaists, Gloves, Bathing Suits, Swimming Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Rain Capes, Sports Coats, Blazer Coats, Hats, Caps, Capes, Coats, Blouses, Jumpers, Knickerbockers, Kimonos, Lounging Robes, Bathing Capes, Bathing Hats, Brassières, Step-Ins, Bloomers, Pyjamas, Costume Slips, Shirts, Shawls, Collars, Cuffs, Belts for Outside Wear, Riding Habits, Riding Breeches, Smocks, Middy Blouses, Ostrich Boas; Nurses' Coats, Capes, and Bonnets Made Out of Textile Material; and Dresses, Corsets, Tailored Suits, Walking Suits, Sports Suits, Golf Suits, Riding Suits, Outer Skirts, Shirts, Nightgowns, Petticoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Swimming Suits, Bathing Capes, Bathing Hats, Dressing Gowns, Sweaters, Mufflers, Hosiery, Sports Coats, Blazer Coats, Hats, Caps, Capes, Coats, Blouses, Jumpers, Knickerbockers, Kimonos, Lounging Robes, Brassières, Step-Ins, Bloomers, Pyjamas, Costume Slips, Shawls, Collars, Cuffs, Belts for Outside Wear, Riding Habits, Riding Breeches, Smocks, Middy Blouses, Scarfs, Gloves; Nurses' Coats, Capes, and Bonnets Made Out of Knitted Material; and for Infants' Furnishings, Undergarments, and Clothing—Namely, Rompers, Caps, Shirt Bands, Sacks, Wrappers, Booties, Underwear, Coats, Dresses, Bath Robes, and Sweaters Made Out of Textile Material; and Rompers, Caps, Shirt Bands, Sacks, Wrappers, Booties, Underwear, Coats, Dresses, Bath Robes, and Sweaters Made Out of Knitted Material; and for Men's, Women's, Boys', and Girls' Suede Jackets, Leather Coats, Shoes, Boots, Slippers, Leggings, Putties Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials; and for Infants' Booties and Shoes Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials.

Claims use since Sept. 1, 1926.

Ser. No. 241,071. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) STORA KOPPARBERGS BERGSLAGS AKTIEBOLAG, Falun, Sweden. Filed Dec. 6, 1926.

KB

Particular description of goods.—Iron and Steel in Bars, Blooms, and Rings.

Claims use since Jan. 2, 1885.

Ser. No. 241,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALICE M. HILT, doing business as The Antidan Company, Allendale, N. J. Filed Dec. 8, 1926.

ANTIDAN

Particular description of goods.—Preparation for Treating the Scalp and Removing Dandruff.

Claims use since Sept. 15, 1926.

Ser. No. 241,271. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EXCELSO PRODUCTS COMPANY, West Allis, Wis. Filed Dec. 10, 1926.

EXCELSO

Particular description of goods.—Top Finishes and Glaze Finishes.

Claims use since Feb. 1, 1924.

Ser. No. 241,308. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE WILLS & SONS, LTD., London, England and New York, N. Y. Filed Dec. 10, 1926.

GENI

Particular description of goods.—Silks, Cottons, Woolens, and Rayon Fabrics.

Claims use since Aug. 1, 1926.

Ser. No. 241,454. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TIP TOP BOTTLING CO., St. Louis, Mo. Filed Dec. 13, 1926.

TIP TOP

Particular description of goods.—Non-alcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Aug. 16, 1902.

Ser. No. 242,180. (CLASS 39. CLOTHING.) SAMUEL GOLDSTEIN, New York, N. Y. Filed Dec. 30, 1926.

SNAP-BOW

No claim is made to the word "Bow" appearing in the drawing apart from the mark shown.

Particular description of goods.—Cravats.

Claims use since Dec. 1, 1926.

Ser. No. 242,271. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ARCTIC NU-AIR CORPORATION, Chicago, Ill. Filed Jan. 3, 1927.



The words "Reversible Ventilating Apparatus" are disclaimed except as a part of the trade-mark as shown.

Particular description of goods.—Air Conditioning Apparatus and Ventilating Systems.

Claims use since Jan. 20, 1926.

Ser. No. 242,467. (CLASS 32. FURNITURE AND UPHOLSTERY.) BEST & CO., INC., New York, N. Y. Filed Jan. 7, 1927.



Particular description of goods.—Mirrors, Pillows, Bassinettes, Mattresses, Costumers, Articles of Furniture Comprising Chairs, Tables, Portable Wardrobes, Cribs, Combined Nursery Chair and Chamber, Baby Walker, Folding Play Yards, and Chest of Drawers.

Claims use since 1879.

Ser. No. 242,693. (CLASS 39. CLOTHING.) SHIREK & HIRSCH, New York, N. Y. Filed Jan. 11, 1927.



Applicants disclaim exclusive right to the use of the words "Toujour Elegant" except as the same are used in connection with the other features of the mark shown in the drawing.

Particular description of goods.—Men's and Young Men's Coats, Vests, Trousers, and Overcoats, and Women's Coats and Suits.

Claims use since Dec. 29, 1926.

Ser. No. 242,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed Jan. 12, 1927.



Particular description of goods.—Canned Fruits and Vegetables.

Claims use since 1904.

Ser. No. 242,828. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CHAUNCEY J. EVANS, doing business as Cactus Manufacturing Co., Los Angeles, Calif. Filed Jan. 14, 1927.



Particular description of goods.—Dust Mops and Unimpregnated Dust Cloths.

Claims use since Sept. 15, 1926.

Ser. No. 242,976. (CLASS 12. CONSTRUCTION MATERIALS.) TYLO MANUFACTURING CO., Chicago, Ill. Filed Jan. 17, 1927.



Particular description of goods.—Tile.

Claims use since Dec. 1, 1926.

Ser. No. 243,119. (CLASS 17. TOBACCO PRODUCTS.) OSCAR SPERBECK, Poughkeepsie, N. Y. Filed Jan. 20, 1927. Under 10-year proviso.

John Schwartz & Sons

Particular description of goods.—All Leaf Cigar Clippings and Havana Smoking Tobacco.

Claims use since Jan. 1, 1893.

Ser. No. 243,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL DENTAL COMPANY, Newark, N. J. Filed Jan. 21, 1927.

PYROZIDE

Particular description of goods.—Sterilized Dentifrices.

Claims use since Dec. 12, 1926.

Ser. No. 243,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUGUSTINE J. KENNEDY, Brooklyn, N. Y. Filed Jan. 26, 1927.

MAMZELLE

Particular description of goods.—Nail Polish, Toilet Water, Lip Rouge, Face Rouge, Face Powder, Talcum Powder, Cold Cream, Vanishing Cream, and Skin Sachet.

Claims use since Aug. 1, 1926.

Ser. No. 243,371. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUGUSTINE J. KENNEDY, Brooklyn, N. Y. Filed Jan. 26, 1927.

SPARKLE

Particular description of goods.—Nail Polish, Toilet Water, Lip Rouge, Face Rouge, Face Powder, Talcum Powder, Cold Cream, Vanishing Cream, and Skin Sachet.

Claims use since Aug. 1, 1926.

Ser. No. 243,380. (CLASS 39. CLOTHING.) LEVI & SELIGMAN, INC., New York, N. Y. Filed Jan. 26, 1927.

Vel-Check

Particular description of goods.—Dresses for Women, Misses, and Children.

Claims use since Dec. 23, 1926.

Ser. No. 243,427. (CLASS 39. CLOTHING.) BEATRICE G. DE MOTT, Englewood, N. J. Filed Jan. 27, 1927.

SPORTEX APPAREL

No claim is made to the word "Apparel" apart from the mark shown on the drawing.

Particular description of goods.—Sport Frocks.

Claims use since October, 1924.

Ser. No. 243,558. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE OWL DRUG CO., San Francisco, Calif. Filed Jan. 29, 1927.

NAPPETTES

Particular description of goods.—Sanitary Napkins.

Claims use since Aug. 6, 1926.

Ser. No. 243,664. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST W. PARKS, Ontario, Calif. Filed Feb. 1, 1927.

NO G-A-R G-T

Particular description of goods.—Medicine for Garget and Inflammation and Swollen Udders in Cows.

Claims use since May 1, 1926.

Ser. No. 243,936. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GASH-STULL COMPANY, Chester, Pa. Filed Feb. 7, 1927.

T.I.E.D.

Particular description of goods.—Plows, Harrows, Soil Pulverizers, Lime Sowers, Tractor Drills, Hay Presses, Rakes, Ensilage Cutters, Seeders, Scrapers, Governors, Gasoline Engines, Repair Tools, Cultivators, Subsoilers, Listers, Manure Spreaders, Mowers, Grinding Mills, Pulverizers and Crushers, Saws, Grading Machines, Sawmills, Hoists, Stump Pullers, Tractor Hitches, Thrashers, Grousers, Winches, Pumps, Cranes, Flushers, Car Washers, and Air Compressors.

Claims use since October, 1923, upon plows, harrows, soil pulverizers, lime sowers, tractor drills, hay presses, rakes, ensilage cutters, seeders, scrapers, loaders, governors, gasoline engines, repair tools, cultivators, subsoilers, listers, manure spreaders, mowers, grinding mills, pulverizers and crushers, saws, grading machines, sawmills, hoists, stump pullers, tractor hitches; upon thrashers, grousers, winches, and pumps since October, 1924, and upon cranes, flushers, car washers, and air compressors since October, 1925.

Ser. No. 243,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. MERCK, Darmstadt, Germany. Filed Feb. 7, 1927.

Ephetonin

Particular description of goods.—Chemical Preparation for Use in Medicine in the Treatment of Bronchial Asthma, Hypotonic Conditions, Rhinitis, Hay Fever, Etc.

Claims use since July, 1926.

Ser. No. 244,090. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD TRUSTY DOG FOOD COMPANY, Needham Heights, Mass. Filed Feb. 9, 1927.

Old Trusty

Particular description of goods.—Dog Food.

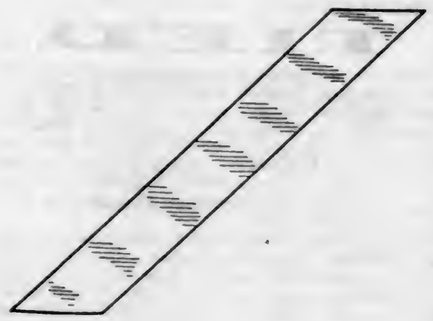
Claims use since 1916.

Ser. No. 244,154. (CLASS 39. CLOTHING.) THE HARPER & KIRSCHTEN SHOE CO., Chicago, Ill. Filed Feb. 10, 1927. Under 10-year proviso.

'Hi-Archa

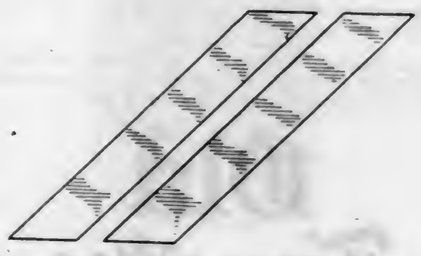
Particular description of goods.—Leather Shoes for Men and Women.
Claims use since 1894.

Ser. No. 244,261. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed Feb. 11, 1927.



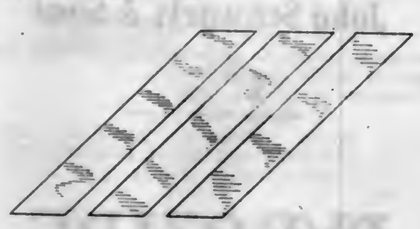
The mark consists of a single band milled diagonally across the inner surface of the piston packing ring.
Particular description of goods.—Metallic Piston-Packing Rings.
Claims use since Jan. 3, 1927.

Ser. No. 244,262. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed Feb. 11, 1927.



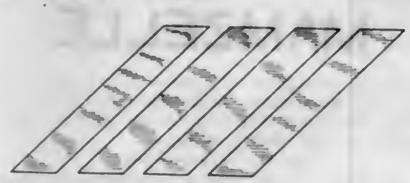
The mark consists of two bands milled diagonally across the inner surface of the piston packing ring.
Particular description of goods.—Metallic Piston Packing Rings.
Claims use since Jan. 3, 1927.

Ser. No. 244,263. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed Feb. 11, 1927.



The mark consists of three bands milled diagonally across the inner surface of the piston packing ring.
Particular description of goods.—Metallic Piston-Packing Rings.
Claims use since Jan. 3, 1927.

Ser. No. 244,264. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed Feb. 11, 1927.



The mark consists of four bands milled diagonally across the inner surface of the piston packing ring.
Particular description of goods.—Metallic Piston-Packing Rings.
Claims use since Jan. 3, 1927.

Ser. No. 244,306. (CLASS 10. FERTILIZERS.) INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y. Filed Feb. 12, 1927.



Particular description of goods.—Fertilizers.
Claims use since about October, 1923.

Ser. No. 244,325. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE F. SCHLESINGER, doing business as Bendiner & Schlesinger, New York, N. Y. Filed Feb. 12, 1927.



Applicant disclaims exclusive use of the words "Paris, New York, London" apart from the mark shown in the drawing.
Particular description of goods.—Toilet and Facial Products—Namely, Cold Cream, Cleansing Cream, Skin Toning and Softening Preparation, Vanishing Cream, Skin Freshener (a Liquid for Application to the Skin After Cleansing), Face Astringent, Wrinkle Remover (a Medicated Liquid for Application to the Skin to Facilitate Massage), Liquid Bandage (Liquid Skin Tightening and Hardening Preparation in the Nature of Liquid Court Plaster), Hand Lotion, Depilatory, Bath Salts, Perfume, Face Powder, Talcum Powder, Sachet, Rouge, Liquid Rouge, Lip Sticks, Eyebrow Pencils, Toilet Water, Antiperspiration Lotion, and Antiperspiration Cream.
Claims use since Mar. 1, 1924.

Ser. No. 244,339. (CLASS 33. GLASSWARE.) WITTING BROS. LIMITED, London, England. Filed Feb. 12, 1927.



Particular description of goods.—Glass Articles—Namely, Ultra-Violet-Ray Sheet Window Glass.
Claims use since Feb. 2, 1927.

Ser. No. 244,539. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CAMPBELL COAL COMPANY, Atlanta, Ga. Filed Feb. 18, 1927.



Exclusive use of the word "Campbell" is disclaimed excepting in connection with the mark as shown.
Particular description of goods.—Coal.
Claims use since 1924.

Ser. No. 244,552. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Feb. 18, 1927.



Particular description of goods.—Perfumes, and Hygienic Products—Namely, Bath Salts, Cold Creams, Face Packs, Compacts, Skin Creams, Shampoos, Talcum Powders, Eyedrops, Toilet Waters, Smelling Salts, Aromatic Vinegars, Face Powders, Rouges, Beauty Clays, Vanishing Creams, Facial Paints, Sachets, Skin Bleaches, Lip Sticks, Eyebrow Pencils, and Hair, Face, Hand, and Foot Lotions.
Claims use since Dec. 27, 1926.

Ser. No. 244,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED STATES LABORATORIES, Davenport, Iowa. Filed Feb. 19, 1927.



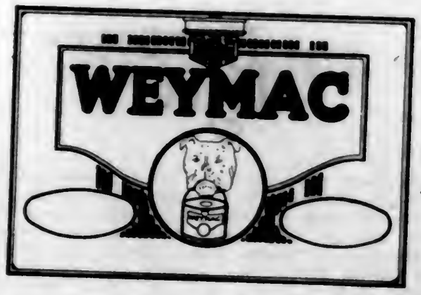
The drawing is lined to show a red design printed on a yellow background and having yellow letters thereon. No claim is made to exclusive rights in the words "Sure Death" apart from their use in the mark disclosed nor to the words "Registered," "Trade-Mark," "A Product Of," or of "Davenport, Iowa."
Particular description of goods.—Insecticide.
Claims use since about Jan. 4, 1927.

Ser. No. 244,723. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SANDAGE COMPANY, Chicago, Ill. Filed Feb. 21, 1927.



Particular description of goods.—Fluid-Fuel-Burning Space Heaters, Water Heaters, Clothes-Drying Heaters, Ovens, and Fluid-Fuel Burners.
Claims use since October, 1926.

Ser. No. 244,807. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE WEYMAC MANUFACTURING CORP., New York, N. Y. Filed Feb. 23, 1927.



Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Paint Enamels, and Varnishes.
Claims use since May, 1925.

Ser. No. 244,817. (CLASS 38. PRINTS AND PUBLICATIONS.) LEO CHANIN, New York, N. Y. Filed Feb. 24, 1927.

Photo-Mat

The lining in drawing is merely for the purpose of shading.
Particular description of goods.—Publications of Advertisements and Advertising Prints.
Claims use since Dec. 19, 1926.

Ser. No. 244,872. (CLASS 2. RECEPTACLES.) LEWY CHEMICAL COMPANY, New York, N. Y. Filed Feb. 25, 1927.

JIFFY

Particular description of goods.—Garment Bags of Paper.
Claims use since on or about Aug. 1, 1926.

Ser. No. 244,873. (CLASS 2. RECEPTACLES.) LEWY CHEMICAL COMPANY, New York, N. Y. Filed Feb. 25, 1927.

PROTECTO

Particular description of goods.—Garment Bags of Paper.
Claims use since on or about December, 1925.

Ser. No. 244,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. A. WEITZ, Los Angeles, Calif. Filed Feb. 25, 1927.

WHITE KING

Particular description of goods.—Fresh Vegetables—Namely, Potatoes, Tomatoes, Lettuce; Fresh Deciduous Fruits—Namely, Apples; Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Nov. 15, 1926.

Ser. No. 244,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY B. CURRY, Fort Worth, Tex. Filed Feb. 28, 1927.

FEM-A-LINE

Particular description of goods.—A Medicine with the Properties of a Stimulant, Emmenagogue, and Diaphoretic.
Claims use since May 1, 1924.

Ser. No. 245,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN COMPANY OF ARKANSAS, Little Rock, Ark. Filed Mar. 3, 1927.

SMACK-OVER



The portrait is fanciful.
Particular description of goods.—Coffee.
Claims use since Sept. 1, 1926.

Ser. No. 245,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LADD HOFFMANN PRODUCTS CO., Los Angeles, Calif. Filed Mar. 3, 1927.

CUP OF HEALTH

Particular description of goods.—Jams, Jellies, and Marmalades.
Claims use since Nov. 1, 1926.

Ser. No. 245,175. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESTERN SOAP & CHEMICAL CO., Los Angeles, Calif. Filed Mar. 3, 1927.

Valley Queen

Particular description of goods.—Toilet Preparations—Namely, Cold Cream, Toilet Water, Skin Bleach, Hair Tonic, Shampoo; and Solvent for Drain-Pipe Obstructions and Laundry Bleach.
Claims use since Nov. 1, 1926.

Ser. No. 245,312. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WILLIAM PRYM G. M. B. H., Stolberg, Germany. Filed Mar. 5, 1927.



Applicant owns registration No. 196,742.
Particular description of goods.—Pins, Safety Pins, and Hairpins All of Nonprecious Metal; Hand Sewing Needles, Snap Fasteners, and Hooks and Eyes.
Claims use since 1926.

Ser. No. 245,327. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. A. BOYLE & COMPANY, Chicago, Ill. Filed Mar. 7, 1927.



QUALITY

No claim is made to the exclusive use of the words "Dry Duck," "Brand," and "Quality" apart from their use with the mark as shown on the drawing. The lining shown on the drawing is for the purpose of shading.
Particular description of goods.—Cotton Piece Goods.
Claims use since 1923.

Ser. No. 245,369. (CLASS 38. PRINTS AND PUBLICATIONS.) REXGOLD MANUFACTURING COMPANY, Wilmington, Del. Filed Mar. 7, 1927.



REXGOLD

No claim is made herein to the word "Gold" except as a part of the mark herein shown.
Particular description of goods.—Photographs.
Claims use since Feb. 14, 1927.

Ser. No. 245,411. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. I. SIEGEL & SON, doing business as Fison Paint Products Company, Union City, N. J. Filed Mar. 8, 1927.

KRACKO-JAK

Particular description of goods.—Paints Ready-Mixed, Dry, and Paste; Varnish, Lacquer, and Paint Enamels.
Claims use since Sept. 1, 1926.

Ser. No. 245,444. (CLASS 17. TOBACCO PRODUCTS.) MACLIN-ZIMMER MCGILL TOBACCO CO. INCORPORATED, Petersburg, Va. Filed Mar. 9, 1927.

Lord Beaconsfield.



The portrait is of Benjamin Disraeli, English statesman and novelist, 1804–1881.)
Particular description of goods.—Plug, Twist, Cut-Plug Smoking Tobacco and Leaf Tobacco.
Claims use since March, 1883.

Ser. No. 245,486. (CLASS 38. PRINTS AND PUBLICATIONS.) HOME BUILDERS CATALOG CO., Chicago, Ill. Filed Mar. 10, 1927.

HOME BUILDERS CATALOG

The word "Catalog" is disclaimed apart from the mark shown.

Particular description of goods.—Annual Publication.
Claims use since Feb. 1, 1925.

Ser. No. 245,524. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TYLER MANUFACTURING COMPANY, Muncie, Ind. Filed Mar. 10, 1927.

OPE-N-SEAL

Particular description of goods.—Jar Lifters and Jar Wrenches.
Claims use since Feb. 1, 1927.

Ser. No. 245,563. (CLASS 38. PRINTS AND PUBLICATIONS.) KENFIELD-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed Mar. 11, 1927.

ELECTRIC TRACTION

Particular description of goods.—Magazines Published Monthly and for Semiannual Publications.
Claims use since Nov. 29, 1906.

Ser. No. 245,692. (CLASS 12. CONSTRUCTION MATERIALS.) H. B. CLIFFORD ROOFING CO., Detroit, Mich. Filed Mar. 14, 1927.

CLICO

Particular description of goods.—Roofing Material—Namely, Asphalt Roll Roofing, Asphalt Shingles, Tarred Felt and Saturated Asphalt Felt, Eaves-Trough Conductor Pipes, and Eaves Troughs.
Claims use since Jan. 1, 1923.

Ser. No. 245,699. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LEOPOLD DREIFUSS, San Francisco, Calif. Filed Mar. 14, 1927.

PAINT-O-GRAPHS

Particular description of goods.—Paint Sets Consisting of a Receptacle Containing the Following Articles, Paints, Pallettes, Pallette Knives, Canvas Panels, Easels, Paintbrushes, Painters' Smocks, and Fixatives.
Claims use since Nov. 20, 1926.

Ser. No. 245,907. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HELFENSTEIN-SCHLESINGER CO. INC., New York, N. Y. Filed Mar. 17, 1927.

COLLEGIATE

Particular description of goods.—Handkerchiefs.
Claims use since Feb. 21, 1927.

Ser. No. 245,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LORD & TAYLOR, New York, N. Y. Filed Mar. 17, 1927.

J'EN RÊVE

Particular description of goods.—Extracts of Perfumes and of Toilet Waters.
Claims use since on or about Feb. 14, 1927.

Ser. No. 245,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. A. POZZONI PHARMACAL COMPANY, New York, N. Y. Filed Mar. 17, 1927.

POJAPNI

Particular description of goods.—Complexion Powder.
Claims use since May 9, 1874.

Ser. No. 245,921. (CLASS 38. PRINTS AND PUBLICATIONS.) READERS' PUBLISHING CORP., New York, N. Y. Filed Mar. 17, 1927.

Ace-High

Particular description of goods.—Semimonthly Publication.
Claims use since August, 1921.

Ser. No. 245,981. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GUENTHER WAGNER, Hanover, Germany. Filed Mar. 18, 1927.

Pelikan

Particular description of goods.—Water Colors, Oil Paints, Varnishes for Artists' Use, Technical Oil for Painting Purposes, Transparent Majolica Colors, and Enamel Colors.
Claims use since Nov. 27, 1878.

Ser. No. 246,002. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SHERIDAN-WYOMING COAL COMPANY, INCORPORATED, Sheridan, Wyo. Filed Mar. 18, 1927.

SHERIDAN-WYOMING COAL CO. INC. SHERIDAN ACME COAL SHERIDAN • WYOMING

Exclusive use of the words "Coal," "Sheridan," and "Wyoming" is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.
Claims use since Jan. 1, 1920.

Ser. No. 246,075. (CLASS 2. RECEPTACLES.) CHICAGO BOILER COMPANY, Chicago, Ill. Filed Mar. 21, 1927.



No claim is made for the representation of the tank as a part of the trade-mark shown in the drawing. The drawing is lined for red. The trade-mark consists in arbitrarily coloring the ends or heads of the tank red.

Particular description of goods.—Storage Tanks for Oil and Water.
Claims use since Apr. 15, 1926.

Ser. No. 246,109. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FRANK A. MUNSEY COMPANY, New York, N. Y. Filed Mar. 21, 1927.

ARGOSY-ALLSTORY WEEKLY

No claim is made to the word "Weekly" apart from the mark shown in the drawing.

Particular description of goods.—Weekly Magazine.
Claims use since July 24, 1920.

Ser. No. 246,152. (CLASS 39. CLOTHING.) THE BURKHARDT BROS. CO., Cincinnati, Ohio. Filed Mar. 22, 1927.

THE KNIGHTLY

Particular description of goods.—Men's Tuxedos and Linen, Madras, and Pique Dress Shirts.
Claims use since Nov. 1, 1926.

Ser. No. 246,183. (CLASS 33. GLASSWARE.) TRIPLEX SAFETY GLASS COMPANY OF NORTH AMERICA, Hoboken, N. J. Filed Mar. 22, 1927.

XXX

Particular description of goods—Laminated Non-Shatterable or Safety Glass.
Claims use since about Aug. 1, 1926.

Ser. No. 246,356. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE NUVO CORPORATION, New York, N. Y. Filed Mar. 25, 1927.

NUVO

Particular description of goods.—Dry Cleaners.
Claims use since about Mar. 15, 1927.

Ser. No. 246,447. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JACOB STOLLENWERK, doing business at Reflexol Products Co., New York, N. Y. Filed Mar. 26, 1927.

RE-FLEX-OL

Particular description of goods.—Metal Polish.
Claims use since Mar. 12, 1927.

Ser. No. 246,459. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Mar. 28, 1927. Under 10-year proviso.

AMERICAN

Particular description of goods.—School and Artists' Crayons.
Claims use since about Jan. 1, 1895.

Ser. No. 246,466. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE COFFIELD WASHER CO., Dayton, Ohio. Filed Mar. 28, 1927.

GOLD SEAL WRINGER FOUND ONLY ON THE COFFIELD WASHER

The words "Wringer Found Only on the Coffield Washer" are disclaimed apart from the mark shown.
Particular description of goods.—Clothes Wringers.
Claims use since Jan. 25, 1927.

Ser. No. 246,473. (CLASS 12. CONSTRUCTION MATERIALS.) FRUIT GROWERS SUPPLY COMPANY, Los Angeles, Calif. Filed Mar. 28, 1927.

REGAL PINE

No claim is made to the word "Pine."
Particular description of goods.—Lumber.
Claims use since June 21, 1922.

Ser. No. 246,474. (CLASS 12. CONSTRUCTION MATERIALS.) FRUIT GROWERS SUPPLY COMPANY, Los Angeles, Calif. Filed Mar. 28, 1927.

ROYAL PINE

No claim is made to the following matter: the word "Pine."
Particular description of goods.—Lumber.
Claims use since July 26, 1922.

Ser. No. 246,515. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TRAYLOR VIBRATOR COMPANY, Denver, Colo. Filed Mar. 28, 1927.

THE TRAYLOR VIBRATOR CO DENVER USA COLO THE SCREEN SUPREME

Applicant disclaims any right to the exclusive use of the words "The Screen" and the word and abbreviations "Denver, Colo., U. S. A.," apart from the mark as shown in the drawing.
Particular description of goods.—Screens or Screening Machines for Sorting or Sifting Ores or the Like.
Claims use since Feb. 26, 1927.

Ser. No. 246,520. (CLASS 39. CLOTHING.) VAN DYKE KNITTING COMPANY, Milwaukee, Wis. Filed Mar. 28, 1927.

ORIENTA

Particular description of goods.—Men's, Women's, and Children's Knitted Rayon Underwear.
Claims use since Nov. 1, 1926.

Ser. No. 246,573. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SAMUEL SIMONOVITZ, doing business as S. Simonovitz & Co., Cleveland, Ohio. Filed Mar. 29, 1927.

ROYAL FLUSH World's Best Drink Manufactured by S. Simonovitz & Co. Cleveland

No claim is made to the representation of a label per se, it being outlined to define the position of the mark. Applicant disclaims exclusive use of the words "For Thirst," "For Health," "World's Best Drink," "Manufactured by," and "Cleveland, O."
Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink.
Claims use since Mar. 15, 1927.

Ser. No. 246,589. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 30, 1927.

Boaskin

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 8, 1927.

Ser. No. 246,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHESTER O. PADELFORD, doing business as The Vendre Company, Glen Ridge, N. J., and Boston, Mass. Filed Mar. 30, 1927.

Vendre Crème Charmé

No claim is made to the word "Créme" apart from the mark as shown.
Particular description of goods.—Cold Creams.
Claims use since Dec. 15, 1926.

Ser. No. 246,633. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHLAND FRUIT CO., Shafter, Calif. Filed Mar. 30, 1927.



TOM BOY

Particular description of goods.—Fresh Grapes.
Claims use since Aug. 1, 1925.

Ser. No. 246,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY KARASICK, Chicago, Ill. Filed Mar. 31, 1927.

BRONC-ASMA

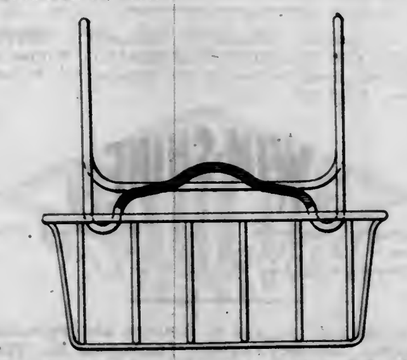
Particular description of goods.—Medicine or Preparation for Bronchitis, Bronchial Asthma, and Chronic Cough.
Claims use since April, 1902.

Ser. No. 246,707. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md. Filed Mar. 31. 1927.

MARBLELAIN

Particular description of goods.—Furniture, Particularly Tables, Tops for Tables, Kitchen Cabinets, Tops for Kitchen Cabinets, and Stools.
Claims use since Mar. 25, 1927.

Ser. No. 246,723. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UTILITY MANUFACTURING COMPANY INC., Baltimore, Md. Filed Mar. 31, 1927.



No claim is made to the representation of the figure per se. The trade-mark consists of the color blue arbitrarily applied on the bracket portion of the articles covered by this statement. The drawing is lined for blue.
Particular description of goods.—Sponge Baskets, Combination Sponge Basksts and Soap Trays, Soap Dishes, Toothbrush and Tooth-Paste Holders, Tumbler Holders, and Toilet-Paper Holders.
Claims use since Mar. 1, 1927.

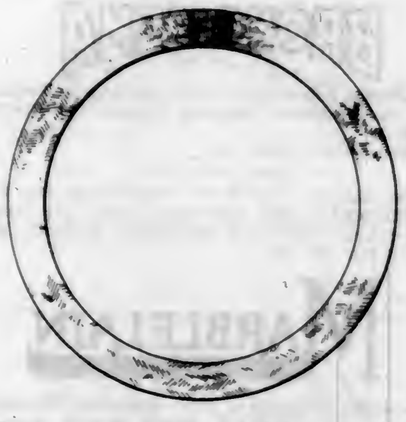
Ser. No. 246,725. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WATERS-GENTER COMPANY, Minneapolis, Minn. Filed Mar. 31, 1927.

THERMOTAINER

Particular description of goods.—Device Intended to Maintain the Freshness of Bakery Products by Means of a Heated Medium.

Claims use since Sept. 28, 1926.

Ser. No. 246,779. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE RUSSELL MANUFACTURING CO., Middletown, Conn. Filed Apr. 1, 1927.



The representation of the goods apart from the mark shown in the drawing is disclaimed per se. The trade-mark consists of a transverse red band on the snubber ring.

Particular description of goods.—Snubber Rings for Aeroplanes.

Claims use since December, 1926.

Ser. No. 246,869. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALTER R. WHITNEY, doing business as The Kenmore Co., Boston, Mass. Filed Apr. 2, 1927.

WIN-SHINE

Particular description of goods.—Window and Glass Cleaner.

Claims use since June 20, 1925.

Ser. No. 246,885. (CLASS 38. PRINTS AND PUBLICATIONS.) BULLETIN COMPANY, Philadelphia, Pa. Filed Apr. 4, 1927.

Slow Club of America

Particular description of goods.—Heading of Newspaper Articles (Appearing in the Evening Bulletin of Phila. Pa.).

Claims use since on or about Dec. 1, 1926.

Ser. No. 246,892. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELKHART ENAMEL & PAINT CORPORATION, Elkhart, Ind. Filed Apr. 4, 1927.



The right to the exclusive use of the words "For Durability" and "Iexcel Paints" is hereby disclaimed in the statement apart from the mark shown in the drawing.

Particular description of goods.—Paste Paints and Ready-Mixed Paints, Varnish, Lacquer, and Paint Enamel.

Claims use since Mar. 10, 1927.

Ser. No. 246,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAYS HARBOR BAKING COMPANY, Aberdeen, Wash. Filed Apr. 4, 1927.



The words "Aberdeen & Hoquiam" and the phrase "Made with Milk and Potatoes" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Bread.

Claims use since Jan. 2, 1926.

Ser. No. 246,929. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THOMAS I. POTTER, doing business as The Oregon Induction Co., Portland, Oreg. Filed Apr. 4, 1927.

INDUCTON

Particular description of goods.—Vibrating Induction Coil Used Exclusively for Therapeutic Purposes.

Claims use since Mar. 10, 1927.

Ser. No. 246,940. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Apr. 4, 1927.



Applicant disclaims right to the exclusive use of the words "Soap" and "Jabon De."

Particular description of goods.—Soap.

Claims use since April, 1920.

Ser. No. 246,959. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Apr. 5, 1927.

ARBUTUS

Particular description of goods.—Cotton Sheets, Linen Sheets, Cotton Pillowcases, Linen Pillowcases; Towels—Linen and Cotton; Blankets—Wool, Cotton, Cotton and Wool; and Spreads—Cotton, Rayon, Linen.

Claims use since about Jan. 1, 1927.

Ser. No. 247,062. (CLASS 39. CLOTHING.) B. A. BALLOU & CO., INC., Providence, R. I. Filed Apr. 7, 1927.

SPANS

Particular description of goods.—Ankle Straps for Shoes.

Claims use since Mar. 24, 1927.

Ser. No. 247,085. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ILLINOIS IRON & BOLT COMPANY, Carpentersville, Ill. Filed Apr. 7, 1927.

CHANSON

Particular description of goods.—Shock Absorbers and Automobile Heaters.

Claims use since Sept. 1, 1925.

Ser. No. 247,127. (CLASS 37. PAPER AND STATIONERY.) THE COSBY-WIRTH MANIFOLD BOOK COMPANY, Minneapolis, Minn. Filed Apr. 8, 1927.

Pro-Longo
TRIP

No claim is made to the word "Trip" apart from the mark shown in the drawing.

Particular description of goods.—Triplicating Sales Books.

Claims use since on or about Mar. 11, 1927.

Ser. No. 247,147. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SHOREHAM MANUFACTURING CO. INC., Winfield, N. Y. Filed Apr. 8, 1927.

PYROCEL

Particular description of goods.—Toilet Sets Backed with Pyroxolin Comprising Any or All of the Following Specific Articles: Buttonhook, Clock Case, Brushes, Combs, Manicure Articles, Hair Receiver, Jewel Box, Mirror, Perfume Atomizer, Perfume Bottle, Perfume Dropper, Picture Frame, Pincushion, Puff Box, Salve Jar, Shoehorn, and Tray.

Claims use since February, 1926.

Ser. No. 247,165. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BROWN-LEITHOLD COMPANY, Los Angeles, Calif. Filed Apr. 9, 1927.

BROLITE
MASTER PRODUCTS

Applicant disclaims exclusive use of the words "Master Products" as part of the mark except in the exact relation and association in which they appear. The vertical lining of the drawing is intended to denote the color of red.

Particular description of goods.—Ready-Mixed Paints, Paint Enamels, Varnishes, Stains, and Lacquers.

Claims use since November, 1926.

Ser. No. 247,182. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) P. J. GLOECKNER, doing business as Capital City Distributing Company, Columbus, Ohio. Filed Apr. 9, 1927.

CLOWN  BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Oct. 1, 1926.

Ser. No. 247,190. (CLASS 39. CLOTHING.) KNOX HAT COMPANY, INC., New York, N. Y. Filed Apr. 9, 1927.

PARAMOUNT

Particular description of goods.—Hats for Men.
Claims use since Mar. 14, 1927.

Ser. No. 247,200. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUROMUS H. MYERS, Keedysville, Md. Filed Apr. 9, 1927.

Dr. Myers' Skin Lotion.



Applicant disclaims right to the exclusive use of the words "Dr. Myers' Skin Lotion" apart from the mark shown.
Particular description of goods.—Skin Lotion.
Claims use since Mar. 25, 1927.

Ser. No. 247,202. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE OHIO VARNISH COMPANY, Cleveland, Ohio. Filed Apr. 9, 1927.

O-VAR-LOID

Particular description of goods.—Spraying Lacquer, Lacquer Binder, Lacquer Surfacer, Lacquer Thinner, and Lacquer Polish and Cleaner.
Claims use since July 2, 1926.

Ser. No. 247,264. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JOSEPH F. DENEND, doing business as Wurzenburg Malt Extract Co., Chicago, Ill. Filed Apr. 11, 1927.



The drawing is lined to indicate the color red.
Particular description of goods.—Malt Sirup.
Claims use since Mar. 10, 1925.

Ser. No. 247,291. (CLASS 12. CONSTRUCTION MATERIALS.) HARRY J. SCHOFIELD, Peoria, Ill. Filed Apr. 11, 1927.

ENDURA

Particular description of goods.—Concrete Hardener, Waterproofer, and Preserver.
Claims use since on or about Aug. 1, 1926.

Ser. No. 247,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. C. WAGNER, Toledo, Ohio. Filed Apr. 11, 1927.

Chafix

Particular description of goods.—Ointment for External Application for Treatment of Skin Irritations.
Claims use since Mar. 31, 1927.

Ser. No. 247,303. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIV STEEL & WIRE COMPANY, Chicago, Ill. Filed Apr. 11, 1927.

Tool Topics

Particular description of goods.—Monthly Publication.
Claims use since Jan. 1, 1927.

Ser. No. 247,338. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES L. MCGRANE, Buffalo, N. Y. Filed Apr. 12, 1927.

"TRAFICHIEF"

Particular description of goods.—Mechanically-Operated Direction Signals for Automobiles.
Claims use since Feb. 1, 1927.

Ser. No. 247,340. (CLASS 38. PRINTS AND PUBLICATIONS.) THE OREGONIAN PUBLISHING COMPANY, Portland, Oreg. Filed Apr. 12, 1927.

HEART TO HEART TALKS
WITH WOMEN AND GIRLS

Particular description of goods.—Title for a Column of News.
Claims use since about Jan. 1, 1926.

Ser. No. 247,348. (CLASS 38. PRINTS AND PUBLICATIONS.) WARNER WOVEN LABEL CO. INC., New York, N. Y. Filed Apr. 12, 1927.

Donmore

Particular description of goods.—Woven Labels.
Claims use since Mar. 18, 1927.

Ser. No. 247,349. (CLASS 39. CLOTHING.) WEISS, FRANK & GINTEL, INC., New York, N. Y. Filed Apr. 12, 1927.

MOULIÈRES

Particular description of goods.—Fur Coats, Capes, Wraps, and Scarfs; Cloth Coats and Wraps, Women's Suits; Brassières; Women's Silk Fabric Underwear, Hosiery, Corsets, and Negligees.
Claims use since about Sept. 10, 1926.

Ser. No. 247,374. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KEYSTONE AIRCRAFT CORPORATION, Bristol, Pa. Filed Apr. 13, 1927.

KEYSTONE

Particular description of goods.—Heavier-Than-Air Aircraft.
Claims use since Mar. 8, 1927.

Ser. No. 247,375. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KEYSTONE AIRCRAFT CORPORATION, Bristol, Pa. Filed Apr. 13, 1927.



Particular description of goods.—Heavier-Than-Air Aircraft.
Claims use since Mar. 8, 1927.

Ser. No. 247,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRAYMORE LABORATORIES, New York, N. Y. Filed Apr. 13, 1927.

Traymore

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, and Sachets.
Claims use since Apr. 11, 1927.

Ser. No. 247,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. CASSATLY & CO., New York, N. Y. Filed Apr. 14, 1927.



The term "Mt. Olivet" appearing upon drawing is merely a Biblical term and is not the name of a particular place or particular geographical location known for olive oil. Applicant hereby disclaims the right to use of the words "Brand" and "Pure Olive Oil" as part of the mark for which registration is requested. The picture on the drawing is a fanciful one and not that of a living person.
Particular description of goods.—Olive Oil.
Claims use since Mar. 1, 1926.

Ser. No. 247,418. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EASTERN ADVERTISING COMPANY, INC., Pawtucket, R. I. Filed Apr. 14, 1927.



Ordacap

No claim is made to the exclusive use of the words "Extra Milk" apart from their use as shown. Disclaimer is also made of the representation of the goods to which the mark is applied in so far as the showing of the mark represents such goods.

Particular description of goods.—Milk-Bottle Caps with Attached Order Cards.

Claims use since Apr. 1, 1927.

Ser. No. 247,443. (CLASS 39. CLOTHING.) PICKWICK DRESS COMPANY, New York, N. Y. Filed Apr. 14, 1927.

Parimode

Particular description of goods.—Ladies' Dresses, Coats, and Suits.

Claims use since Feb. 1, 1927.

Ser. No. 247,446. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) QUAKER CITY RUBBER COMPANY, Wissinoming, Philadelphia, Pa. Filed Apr. 14, 1927.



No claim is made herein to the exclusive use of the words "Philadelphia, Pa., U. S. A."

Particular description of goods.—Belting.

Claims use since December, 1920.

Ser. No. 247,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD ROSENBAUM, doing business as Irex Products Company, New York, N. Y. Filed Apr. 14, 1927.

IREX

Particular description of goods.—Poultry Tonic.

Claims use since Apr. 4, 1927.

Ser. No. 247,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. B. MCNEAL, doing business as Pittsburgh Pretzel Co., Limited, Pittsburgh, Pa. Filed Apr. 15, 1927.

SHAMROCK



CHIPPED SPUDS

Applicant disclaims the use of the words "Chipped Spuds" apart from the mark shown in the drawing.

Particular description of goods.—Potatoes.

Claims use since July 2, 1924.

Ser. No. 247,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. W. ANDERSON, New York, N. Y. Filed Apr. 16, 1927.

RED C

Particular description of goods.—Compound for Killing and Repelling Insects and for Cleaning Textiles, Fabrics, Garments, Rugs, Wall Hangings, Cushions, and Furniture; Ammonia, Roach Powder, and Paste; Bedbug Powder and Paste, and Insecticide.

Claims use since Mar. 16, 1927.

Ser. No. 247,518. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRACE L. BROWN, Cleveland, Ohio, and Chicago, Ill. Filed Apr. 16, 1927.



Particular description of goods.—Educational Easels.

Claims use since January, 1926.

Ser. No. 247,519. (CLASS 12. CONSTRUCTION MATERIALS.) BUILDER'S SPECIALTY CO., INC., Philadelphia, Pa. Filed Apr. 16, 1927.

COLORSTONE

Particular description of goods.—Cement Colors.

Claims use since March, 1923.

Ser. No. 247,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID O. COLHOUER, Pawhuska, Okla. Filed Apr. 16, 1927.

MAGIC

Particular description of goods.—Preparation for the Treatment of Running and Barking Fits in Dogs.

Claims use since Oct. 4, 1925.

Ser. No. 247,553. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. MARTINEZ SONS CO., San Antonio, Tex. Filed Apr. 16, 1927.

TAMALINA

Particular description of goods.—Corn Flour.

Claims use since 1919.

Ser. No. 247,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO STAHL, INC., New York, N. Y. Filed Apr. 16, 1927.

LA DIVINA

Particular description of goods.—Lard.

Claims use since Mar. 18, 1927.

Ser. No. 247,603. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL B. DRUCKER, doing business as Visa Company, New York, N. Y. Filed Apr. 18, 1927.



The shade lines and cross hatching are the standard representations for green and yellow respectively.

Particular description of goods.—Mayonnaise Products—Namely, Mayonnaise.

Claims use since about October, 1926.

Ser. No. 247,604. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL B. DRUCKER, doing business as Visa Company, New York, N. Y. Filed Apr. 18, 1927.



The shade lines and cross hatching are the standard representations for green and yellow respectively.

Particular description of goods.—Mayonnaise Products—Namely, Mayonnaise.

Claims use since about October, 1926.

Ser. No. 247,623. (CLASS 37. PAPER AND STATIONERY.) McLAURIN-JONES CO., Brookfield, Mass. Filed Apr. 18, 1927.



Trade-mark consists of a blue star.

Particular description of goods.—Gummed Paper or Cloth Tape.

Claims use since Mar. 15, 1927.

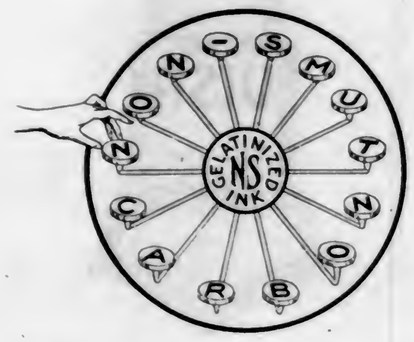
Ser. No. 247,624. (CLASS 37. PAPER AND STATIONERY.) McLAURIN-JONES CO., Brookfield, Mass. Filed Apr. 18, 1927.

BLUE ★

Particular description of goods.—Gummed Paper and Gummed Cloth.

Claims use since Feb. 1, 1921.

Ser. No. 247,629. (CLASS 11. INKS AND INKING MATERIALS.) NON-SMUT CARBON MFG. CO., INC., Rochester, N. Y. Filed Apr. 18, 1927.



The words "Non Smut Carbon Gelatinized Ink" are disclaimed except in the manner incorporated in the trade mark.

Particular description of goods.—Carbon Paper and Typewriter Ribbons.

Claims use since January, 1904.

Ser. No. 247,652. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARVEY C. WHEELER, doing business as Wheeler Clean Towel Company, Boston, Mass. Filed Apr. 18, 1927.

NEWAY

Particular description of goods.—Fabric Towel.

Claims use since Apr. 14, 1927.

Ser. No. 247,665. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Reading, Pa. Filed Apr. 19, 1927.

Moyi

Particular description of goods.—Ladies' Full-Fashioned Hosiery.

Claims use since Mar. 31, 1927.

Ser. No. 247,666. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Reading, Pa. Filed Apr. 19, 1927.

Jaru

Particular description of goods.—Ladies' Full-Fashioned Hosiery.

Claims use since Mar. 31, 1927.

Ser. No. 247,667. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Reading, Pa. Filed Apr. 19, 1927.

Rami

Particular description of goods.—Ladies' Full-Fashioned Hosiery.

Claims use since Mar. 31, 1927.

Ser. No. 247,675. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COX CYLINDER WORKS, Oakland, Calif. Filed Apr. 19, 1927.

RYCO

Particular description of goods.—Machine Tools and Equipment—Viz, Piston-Aligning Jigs, Bearing Mandrels, Connecting-Rod-Boring Machines, Bearing-Babbitting Jigs, Main-Bearing Line-Bearing Machines, and Valve-Reseating Tools.

Claims use since Mar. 1, 1925.

Ser. No. 247,682. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LAWRENCE J. EWING, Haverhill, Mass. Filed Apr. 19, 1927.

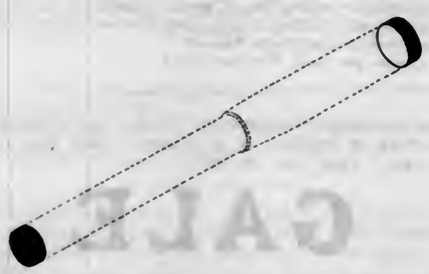


The words "Style Sells Shoes" are disclaimed apart from the association shown in the drawing.

Particular description of goods.—Shoe Patterns.

Claims use since 1923.

Ser. No. 247,702. (CLASS 37. PAPER AND STATIONERY.) THE PARKER PEN COMPANY, Janesville, Wis. Filed Apr. 19, 1927.



The trade-mark consists in coloring the ends of the pen black.

Particular description of goods.—Fountain Pens and Pens.

Claims use since 1908.

Ser. No. 247,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEOPLES DRUG STORES INC., doing business as Moret Parfumeur, Washington, D. C. Filed Apr. 19, 1927.

MILLE AMOURS

Particular description of goods.—Toilet Water, Cold Cream, Vanishing Cream, Tissue Builder or Cream, Cleansing Cream, Tissue Cream, Talcum Powder, Body Powder, Face Powder, Dusting Powder, Deodorant, Bandoline, Brilliantine, Lip Stick, Rouge Compact, Eyebrow Pencil, Powder Compact, Perfume, Lotion, Astringent, Shampoo, Vegetale, Bath Salts, and Hair Tonic.

Claims use since Mar. 31, 1927.

Ser. No. 247,758. (CLASS 39. CLOTHING.) SPECTOR BROTHERS, Philadelphia, Pa. Filed Apr. 20, 1927.



No claim is made to the word "Brand" apart from the mark as shown.

Particular description of goods.—Men's and Young Men's Suits, Topcoats, Overcoats, and Knickers, Reefers, Jackets, Sweaters, and Sweater Coats.

Claims use since Feb. 15, 1907.

Ser. No. 247,778. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CHICAGOAN PUBLISHING COMPANY, Chicago, Ill. Filed Apr. 21, 1927.

The CHICAGOAN

Particular description of goods.—Periodical Magazines.

Claims use since June 14, 1926.

Ser. No. 247,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RED MILL PACKING CO. INC., New York, N. Y. Filed Apr. 21, 1927.

RED MILL



Particular description of goods.—Potatoes in Their Natural State.

Claims use since July, 1926.

Ser. No. 247,819. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) REED BIRD MALT AND HOPS COMPANY, Baltimore, Md. Filed Apr. 21, 1927.

REED BIRD

Particular description of goods.—Malt and Hops Compound.
Claims use since Mar. 17, 1927.

Ser. No. 247,836. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill. Filed Apr. 21, 1927.

GALATEA

Particular description of goods.—Powder Puffs.
Claims use since Oct. 4, 1924.

Ser. No. 247,881. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.; Philadelphia, Pa.; New York and Rochester, N. Y.; Boston, Mass.; Chicago, Ill.; and St. Louis, Mo. Filed Apr. 23, 1927.

AMALCO

Particular description of goods.—Kid, Glazed Kid, and Other Leathers.
Claims use since about Apr. 8, 1927.

Ser. No. 247,885. (CLASS 39. CLOTHING.) BROWNING HOSIERY MILLS, INC., Chattanooga, Tenn. Filed Apr. 23, 1927.



The word "Heel" not being claimed apart from the other features of the mark.
Particular description of goods.—Women's Seamless Tapered Heel Hose.
Claims use since Mar. 5, 1927.

Ser. No. 247,909. (CLASS 39. CLOTHING.) HARRY ROSENBERG & Co., New York, N. Y., and Paris, France. Filed Apr. 23, 1927.



Particular description of goods.—Ladies' Hats.
Claims use since Dec. 1, 1926.

Ser. No. 247,920. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Apr. 23, 1927.

CARTRIDGE

Particular description of goods.—Radiators for Heating Systems, Building Temperature Control and Ventilating Systems, and Parts Thereof.
Claims use since February, 1921.

Ser. No. 247,926. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed Apr. 25, 1927.

GALE

Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Sardines.
Claims use since Sept. 1, 1922.

Ser. No. 247,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DRACKETT CHEMICAL COMPANY, Cincinnati, Ohio. Filed Apr. 25, 1927.



Applicant disclaims exclusive right to the words "Cleans Opens Drains," "Will Not Harm Porcelain—Enamel Plumbing" except in the connection shown.
Particular description of goods.—Chemical for Cleansing Drains, Sinks, Washbowls, Etc.
Claims use since on or about Apr. 3, 1923.

Ser. No. 247,945. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL RADIUM LABORATORIES, Los Angeles, Calif. Filed Apr. 25, 1927.

Halanum

Particular description of goods.—Medicinal Preparation Containing Nonequilibrated Radium Solution, Taken Internally Serving as a Gland Activator and Oxygenizer of the Blood.
Claims use since Apr. 4, 1927.

Ser. No. 247,977. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Apr. 25, 1927.



No claim is made to the words "Genuine Parts" apart from the mark shown.
Particular description of goods.—Automobiles and Structural Parts Thereof.
Claims use since Apr. 1, 1927.

Ser. No. 247,978. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed Apr. 25, 1927.



No claim is made to the words "Genuine Parts" apart from the mark shown.
Particular description of goods.—Internal-Combustion Engines and Structural Parts Thereof.
Claims use since Apr. 1, 1927.

Ser. No. 247,986. (CLASS 37. PAPER AND STATIONERY.) ART BOOK BINDING CO., INC., New York, N. Y. Filed Apr. 26, 1927.

ARDAK

Particular description of goods.—Albums.
Claims use since Nov. 10, 1926.

Ser. No. 247,987. (CLASS 39. CLOTHING.) CHARLES SALOMON & CO. INC., New York, N. Y. Filed Apr. 26, 1927.

COLEEN

Particular description of goods.—Women's and Misses' Dresses.
Claims use since about Apr. 14, 1927.

Ser. No. 247,992. (CLASS 39. CLOTHING.) EPSTEIN FRANK & LOCHNER INC., Buffalo, N. Y. Filed Apr. 26, 1927.

TRAYMORE

Particular description of goods.—Men's and Young Men's Suits and Overcoats.
Claims use since Oct. 19, 1926.

Ser. No. 247,993. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GAYLORD BROTHERS, INCORPORATED, Syracuse, N. Y. Filed Apr. 26, 1927.

BOOKCRAFT

Particular description of goods.—Book Repair Kits.
Claims use since Aug. 20, 1926.

Ser. No. 247,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Apr. 26, 1927.



Applicant hereby disclaims pictorial representation of the fish shown on the drawing apart from the other features of the mark.
Particular description of goods.—Cured Fish—Namely, Dried or Salted Codfish.
Claims use since May 1, 1906.

Ser. No. 248,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE G. STONE, Mount Vernon, N. Y. Filed Apr. 26, 1927.

Pim

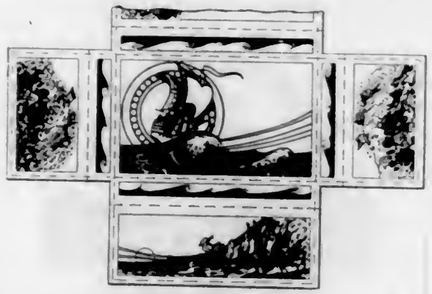
Particular description of goods.—Pile Ointment.
Claims use since Apr. 19, 1927.

Ser. No. 248,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS VEGETABLE OIL CO., San Antonio, Tex. Filed Apr. 26, 1927.



The terms "100% Pure" and "Vegetable Shortening" are not claimed except in the association shown.
Particular description of goods.—Vegetable Shortening.
Claims use since about Apr. 8, 1927.

Ser. No. 248,025. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALLIANCE ART PRODUCTS COMPANY, Alliance, Ohio. Filed Apr. 27, 1927.



Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, and Sachets.
Claims use since July 31, 1925.

Ser. No. 248,043. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MENKE, KAUFMANN & CO., INC., New York, N. Y. Filed Apr. 27, 1927.

ELBOW PROOF

Particular description of goods.—Silk Chiffon Cloth in the Piece.
Claims use since in or about 1902.

Ser. No. 248,069. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill. Filed Apr. 27, 1927.

LUXURY

Particular description of goods.—Powder Puffs.
Claims use since Mar. 26, 1927.

Ser. No. 248,091. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 28, 1927.

BELL BOY

Particular description of goods.—Pumps.
Claims use since Apr. 14, 1927.

Ser. No. 248,093. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 28, 1927.

Happidayton

Particular description of goods.—Water-Softening Apparatus.
Claims use since Apr. 14, 1927.

Ser. No. 248,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOODRICH-GAMBLE COMPANY, St. Paul Minn. Filed Apr. 28, 1927.

Cozette

Particular description of goods.—Face Powder, Rouge, Rouge and Loose Powder Combination, Lemon and Cucumber Lotion, Benzoin and Almond Cream, Rose Cream, Lemon Cold Cream, Cold Cream, Vanishing Cream for the Complexion, Combing Cream for the Hair, Hair Oil, Shampoo, and Shaving Lotion for Use After Shaving.
Claims use since about Jan. 6, 1922.

Ser. No. 248,103. (CLASS 37. PAPER AND STATIONERY.) JOHN A. HOLDEN, Baltimore, Md. Filed Apr. 28, 1927.

JANDHO'S
POST-A-GRAPH

Particular description of goods.—Mailing Sheet.
Claims use since Mar. 2, 1926.

Ser. No. 248,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 28, 1927.

IVORY BRAND

No claim is made to the word "Brand" except as shown in the drawing.
Particular description of goods.—Stearic Acid.
Claims use since November, 1912.

Ser. No. 248,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 28, 1927.



No claim is made for the word "Brand" except as shown in the drawing. The star is colored red, as indicated in the drawing.
Particular description of goods.—Red Oil.
Claims use since January, 1910.

Ser. No. 248,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROCKLAND CHEMICAL CO., Newark, N. J. Filed Apr. 28, 1927.

ANTH-OLA
CARBOLINEUM



No claim is made to the word "Carbolineum" apart from the mark shown in the drawing.
Particular description of goods.—Insecticides.
Claims use since June 15, 1925.

Ser. No. 248,139. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE VITALAIT LABORATORY OF CALIFORNIA, INC., Pasadena, Calif. Filed Apr. 28, 1927.

HEMOSTASIN

Particular description of goods.—Blood Coagulants Produced from Lymphoid Glands.
Claims use since Apr. 18, 1927.

Ser. No. 248,163. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ECLIPSE PAINT & COLOR CO., St. Louis, Mo. Filed Apr. 29, 1927.

—SAVO-LINE—

Particular description of goods.—Metal Paint.
Claims use since Jan. 1, 1925.

Ser. No. 248,193. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PENNSYLVANIA SUGAR COMPANY, Philadelphia, Pa. Filed Apr. 29, 1927.

QUAKER



Particular description of goods.—Pure Ethyl Alcohol.
Claims use since about July 7, 1926.

Ser. No. 248,204. (CLASS 39. CLOTHING.) STUDENTS TWO-PANTS CLOTHING COMPANY, INC., New York, N. Y. Filed Apr. 29, 1927.

Fencliffe
CLOTHES

No rights are asserted to the exclusive use of the word "Clothes" apart from the trade-mark shown in the drawing.

Particular description of goods.—Men's, Boys', and Youths' Coats; Suits, Vests, and Trousers.

Claims use since July, 1926.

Ser. No. 248,222. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAVID COHEN, doing business as Reliant Supply Company, New York, N. Y. Filed Apr. 30, 1927.

RELI

Particular description of goods.—Hatchets and Crate Openers.

Claims use since April, 1925.

Ser. No. 248,231. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. R. HOEHN CO., INC., New York, N. Y. Filed Apr. 30, 1927.

Maybelle Crepe

No registration rights are claimed in the word "Crepe" except in association with the other features of the mark.

Particular description of goods.—Silk Piece Goods.

Claims use since Apr. 18, 1927.

Ser. No. 248,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE M & W CHEMICAL COMPANY, Chicago, Ill. Filed Apr. 30, 1927.

NEW TRIPOLO

The symbol is lined in the drawing, showing that it appears red on the cans or containers.

Particular description of goods.—Pomade, a Hair Beautifier.

Claims use since Mar. 10, 1927.

Ser. No. 248,301. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON COFFEE CO., Chattanooga, Tenn. Filed May 2, 1927.

WINE DRIP

The word "Drip" does not form a part of the registration apart from the mark shown.

Particular description of goods.—Coffee.

Claims use since Oct. 11, 1923.

Ser. No. 248,371. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALKA WATER CO., INC., New York and Long Island City, N. Y. Filed May 3, 1927.

malka

Particular description of goods.—Medicated Water for the Treatment of Acidity of the Blood.

Claims use since Mar. 28, 1927.

Ser. No. 248,392. (CLASS 39. CLOTHING.) CLARION KNITTING MILLS, INC., New York, N. Y. Filed May 4, 1927.

RAYGLO

Particular description of goods.—Knitted and Textile Underwear for Men, Women, and Children and Ties, Scarfs, and Mufflers for Men, Women, and Children.

Claims use since November, 1926.

Ser. No. 248,393. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed May 4, 1927.

OLIVER TWIST

Particular description of goods.—Cotton Piece Goods.

Claims use since Feb. 15, 1927.

Ser. No. 248,397. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VINCENT T. DECECCO, Joliet, Ill. Filed May 4, 1927.

Y-B-GRAY

Particular description of goods.—Hair Tonic and Dandruff Remedy.

Claims use since Apr. 27, 1927.

Ser. No. 248,465. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed May 5, 1927.

CORLEEN

Particular description of goods.—Woolen Textile Fabrics in the Piece.

Claims use since about Nov. 1, 1926.

Ser. No. 248,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY GERR, INC., New York, N. Y. Filed May 5, 1927.

SMOOTH-ON

Particular description of goods.—Hairdressings.

Claims use since October, 1926.

Ser. No. 248,517. (CLASS 39. CLOTHING.) RICHARD J. ROCHE, Haverhill, Mass. Filed May 5, 1927.

SILVER KING

Particular description of goods.—Women's Leather Shoes.

Claims use since March, 1926.

Ser. No. 248,533. (CLASS 5. ADHESIVES.) SWIFT AND COMPANY, Chicago, Ill. Filed May 5, 1927.

SELECTUS

Particular description of goods.—Glue.

Claims use since Oct. 16, 1926.

Ser. No. 248,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING MCEWEN, Omaha, Nebr. Filed May 6, 1927.

PRESHUS

Particular description of goods.—Toilet Cream, Cold Cream, Cleansing Cream, Vanishing Cream, Toilet Powder, Talcum Powder, Dusting Powder, Face Powder, Baby Powder, Baby Cream, Bath Salt, Toilet Water, and Perfume.

Claims use since Mar. 1, 1927.

Ser. No. 248,597. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JACOB P. SEGELMAN & COMPANY, Detroit, Mich. Filed May 6, 1927.

TROPHY RAZOR BLADE

The drawing is shaded to indicate the color blue. The word "Blade" is disclaimed apart from the mark shown.

Particular description of goods.—Razor Blades.

Claims use since Jan. 1, 1927.

Ser. No. 248,602. (CLASS 37. PAPER AND STATIONERY.) THE VICTORIA PAPER MILLS COMPANY, Fulton, N. Y. Filed May 6, 1927.

SILKTEX

Particular description of goods.—Toilet Paper.

Claims use since about May 1, 1926.

Ser. No. 248,633. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed May 7, 1927.

DEPENDO

Particular description of goods.—Bristol Board Commonly Employed as an Index Bristol.
Claims use since Mar. 1, 1927.

Ser. No. 248,652. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SCHOCKET-RITTER CO., INC., New York, N. Y. Filed May 7, 1927.

Collegiate

Particular description of goods.—Ladies' Purses, Hand Bags, and Pocketbooks.
Claims use since Feb. 10, 1927.

Ser. No. 248,680. (CLASS 31. FILTERS AND REFRIGERATORS.) GAS REFRIGERATION CORPORATION, Scranton, Pa. Filed May 9, 1927.



Particular description of goods.—Refrigerating Apparatus.
Claims use since Feb. 11, 1927.

Ser. No. 248,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARDS & SONS LIMITED, Ilford, England. Filed May 9, 1927.

SEXTOL

Particular description of goods.—Solvents, Being Chemicals for Use in Manufactures.
Claims use since Oct. 21, 1926.

Ser. No. 248,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARDS & SONS LIMITED, Ilford, England. Filed May 9, 1927.

SEXTATE

Particular description of goods.—Solvents, Being Chemicals for Use in Manufactures.
Claims use since Oct. 21, 1926.

Ser. No. 248,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARDS & SONS LIMITED, Ilford, England. Filed May 9, 1927.

SEXTONE

Particular description of goods.—Solvents, Being Chemicals for Use in Manufactures.
Claims use since Oct. 21, 1926.

Ser. No. 248,714. (CLASS 17. TOBACCO PRODUCTS.) BEATRICE O'CONOR, Newton Center, Mass. Filed May 9, 1927.



Particular description of goods.—Cigars and Cigarettes.
Claims use since Mar. 21, 1927.

Ser. No. 248,715. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 9, 1927.



Particular description of goods.—Elevators, Escalators, Endless Carriers, Inclined Railways, Blast-Furnace Hoists, and Gravity Spiral Conveyers, and Parts Thereof.
Claims use since prior to Aug. 1, 1922.

Ser. No. 248,765. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 10, 1927.

Fantomeen

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 1, 1927.

Ser. No. 248,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARLAN MILLING COMPANY, Bardwell, Ky. Filed May 10, 1927.

LADIES AID



The picture shown on the drawing is fanciful.
Particular description of goods.—Plain and Self-Rising Soft Wheat Flour.
Claims use since 1910.

Ser. No. 248,805. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Filed May 11, 1927.

OLD GLORY

Particular description of goods.—Shovels, Spades, and Scoops.
Claims use since May 2, 1927.

Ser. No. 248,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL F. BEICH COMPANY, Bloomington, Ill. Filed May 11, 1927.

School Chews

Particular description of goods.—Candy.
Claims use since Oct. 28, 1926.

Ser. No. 248,812. (CLASS 11. INKS AND INKING MATERIALS.) THE CARTER'S INK COMPANY, Cambridge, Mass. Filed May 11, 1927.

Superite

Particular description of goods.—Typewriter Ribbons and Carbon Paper.
Claims use since Apr. 25, 1927.

Ser. No. 248,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. DUCHARNE SILK CO. INC., New York, N. Y. Filed May 11, 1927.

CREPE "NIZAM"

No rights are asserted to the exclusive use of the word "Crepe" apart from the mark shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since March, 1927.

Ser. No. 248,821. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 11, 1927.

Baregence

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 14, 1927.

Ser. No. 248,822. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 11, 1927.

Viscella

Particular description of goods.—Rayon Piece Goods.
Claims use since Apr. 16, 1927.

Ser. No. 248,856. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) I. C. NEWMAN CO. INC., New York, N. Y. Filed May 11, 1927.

"NEWMANLITE"
FLARE

No claim is made to the word "Flare" apart from the mark as shown.
Particular description of goods.—Flares for Night Photography and for Lighting and Signal Purposes.
Claims use since July 15, 1913.

Ser. No. 248,857. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) O'BERRY & HALL COMPANY, Tampa, Fla. Filed May 11, 1927.

Mohawk

Particular description of goods.—Matches.
Claims use since April, 1924.

Ser. No. 248,904. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed May 12, 1927.

CHATELAINE

Particular description of goods.—Rouge, Lip Stick, and Face Powder.
Claims use since Apr. 27, 1927.

Ser. No. 248,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed May 12, 1927.

DEAUVILLE CHATELAINE

Particular description of goods.—Rouge, Lip Stick, and Face Powder.
Claims use since Apr. 27, 1927.

Ser. No. 248,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed May 12, 1927.

DU BARRY CHATELAINE

Particular description of goods.—Rouge, Lip Stick, and Face Powder.
Claims use since Apr. 27, 1927.

Ser. No. 248,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed May 12, 1927.

Rougette

Particular description of goods.—Rouge Compacts.
Claims use since about May 1, 1927.

Ser. No. 248,920. (CLASS 43. THREAD AND YARN.) NEW ENGLAND SPUN SILK CORPORATION, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y. Filed May 12, 1927.

-NOVAFIL-

Particular description of goods.—Yarns Spun from Artificial Silk-Fibers.
Claims use since Apr. 28, 1927.

Ser. No. 248,921. (CLASS 43. THREAD AND YARN.) NEW ENGLAND SPUN SILK CORPORATION, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y. Filed May 12, 1927.

-RAYSETA-

Particular description of goods.—Yarns Spun from Blends of Artificial Silk and Silk Fibers.
Claims use since Apr. 27, 1927.

Ser. No. 248,954. (CLASS 17. TOBACCO PRODUCTS.) CONSOLIDATED CIGAR CORPORATION, New York, N. Y. Filed May 13, 1927.



The portraits shown in applicant's said trade-mark are merely fanciful portraits and do not represent any living or deceased individual or individuals.
Particular description of goods.—Cigars.
Claims use since Apr. 10, 1911.

Ser. No. 248,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. MEYER, doing business as The Alphaden Company, Chicago, Ill. Filed May 13, 1927.

ALPHADEN

Particular description of goods.—Medicinal Preparation, Particularly for Remineralization of Tooth and Bone Structure.
Claims use since Dec. 10, 1926.

Ser. No. 248,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WHITE TAR COMPANY OF NEW JERSEY, INC., Kearny, N. J. Filed May 13, 1927.

DEW DIP

Particular description of goods.—Bath Salts.
Claims use since Mar. 22, 1927.

Ser. No. 248,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUR-BEE CANDY CO., Walla Walla, Wash. Filed May 14, 1927.

MALTRICIOUS

Particular description of goods.—Candy.
Claims use since July 1, 1926.

Ser. No. 248,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUR-BEE CANDY CO., Walla Walla, Wash. Filed May 14, 1927.

PECANZA

Particular description of goods.—Candy.
Claims use since July 1, 1926.

Ser. No. 248,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUR-BEE CANDY CO., Walla Walla, Wash. Filed May 14, 1927.

ZeMINTZA

Particular description of goods.—Candy.
Claims use since July 1, 1926.

Ser. No. 249,046. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAST HIGHLANDS CITRUS ASSN., East Highlands, Calif. Filed May 16, 1927.

DOUBLE A

Particular description of goods.—Fresh Citrous Fruits.
Claims use since January, 1909.

Ser. No. 249,072. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY LEMLER, doing business as Lemler's Drug Stores, Baltimore, Md. Filed May 16, 1927.

Fairy Bloom

Particular description of goods.—Face Powder, Skin Whitener, Blemish Ointment, Hairdressing, Dentifrice, Rouge, Lip Sticks, Hair Tonics, Vanishing Creams, Cold Creams, Peroxide Creams, Lemon Creams, Toilet Waters, Facial Creams, Perfumes, Deodorizers, and Depilatories.
Claims use since Apr. 22, 1927.

Ser. No. 249,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Filed May 16, 1927.

NORTH GLOW

Particular description of goods.—Canned Crab Meat.
Claims use since Apr. 21, 1927.

Ser. No. 249,092. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PEOPLES BOTTLING COMPANY INC., Akron, Ohio. Filed May 16, 1927.

CHI-KO

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Feb. 12, 1915.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 21, 1927.

229,035. MEDICINE FOR STOMACH TROUBLES. MICHIO KONO, San Francisco, Calif.
Filed January 26, 1927. Serial No. 243,372. PUBLISHED APRIL 12, 1927.

229,036. SANITARY NAPKINS. CALEDONIA CELLULOSE COMPANY, INC., New York, N. Y.
Filed January 27, 1927. Serial No. 243,414. PUBLISHED MARCH 29, 1927.

229,037. HEADWEAR—NAMELY, CAPS FOR MEN AND BOYS. FITS-U CAP CO., St. Louis, Mo.
Filed January 27, 1927. Serial No. 243,434. PUBLISHED APRIL 12, 1927.

229,038. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MAL VAZ EXTRACT COMPANY, Chicago, Ill.
Filed January 27, 1927. Serial No. 243,445. PUBLISHED APRIL 12, 1927.

229,039. POISON-IVY EXTRACT. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed January 27, 1927. Serial No. 243,449. PUBLISHED APRIL 12, 1927.

229,040. SHOULDER BRACES. THE CINCINNATI TRUSS COMPANY, Cincinnati, Ohio.
Filed January 28, 1927. Serial No. 243,479. PUBLISHED MARCH 29, 1927.

229,041. HAIR TONIC. ALICE PASSMORE RUDY, Ada, Ohio.
Filed February 28, 1927. Serial No. 245,031. PUBLISHED APRIL 12, 1927.

229,042. MEDICINE FOR THE TREATMENT OF THE DISEASES OF HOGS. BERTHA A. HARDY, doing business as Drovers Veterinary Union, Omaha, Nebr.
Filed March 2, 1927. Serial No. 245,093. PUBLISHED APRIL 12, 1927.

229,043. CIGARETTES. S. S. PIERCE CO., Boston, Mass.
Filed March 2, 1927. Serial No. 245,106. PUBLISHED APRIL 12, 1927.

229,044. PREPARATION FOR CHEMICALLY BLACKENING RED STOVE LIDS. ALBANI H. PARADIS, doing business as Alhpa Chemical Co., Biddeford, Me.
Filed March 3, 1927. Serial No. 245,159. PUBLISHED APRIL 12, 1927.

229,045. STARCH TABLETS. J. L. PRESCOTT COMPANY, New York, N. Y.
Filed March 3, 1927. Serial No. 245,161. PUBLISHED APRIL 12, 1927.

229,046. PREPARATION FOR THE TREATMENT OF CHILLS, FEVER, COLDS, AND LA GRIPPE. FORNIE G. USRY, doing business as The Chill-Nox Chemical Co., Gadsden, Ala.
Filed March 3, 1927. Serial No. 245,170. PUBLISHED APRIL 12, 1927.

229,047. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,192. PUBLISHED APRIL 12, 1927.

229,048. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,194. PUBLISHED APRIL 12, 1927.

229,049. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,196. PUBLISHED APRIL 12, 1927.

229,050. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,197. PUBLISHED APRIL 12, 1927.

229,051. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,199. PUBLISHED APRIL 12, 1927.

229,052. HIGH-TEMPERATURE CEMENT. STANDARD FUEL ENGINEERING COMPANY, Detroit, Mich.
Filed January 29, 1927. Serial No. 243,566. PUBLISHED APRIL 5, 1927.

229,053. CHILDREN'S CHAIRS, CHILDREN'S TABLES, AND CHILDREN'S DESKS. FRANK WISSIG, Baltimore, Md.
Filed January 3, 1927. Serial No. 242,327. PUBLISHED APRIL 12, 1927.

229,054. FLY INSECTICIDE OR POWDER. ISADORE SILVERMAN, doing business as Pro-Tex-All Sanitary Products Co., Evansville, Ind.
Filed January 24, 1927. Serial No. 243,288. PUBLISHED APRIL 12, 1927.

229,055. ANTIFREEZE MIXTURE FOR USE IN THE RADIATORS OF MOTOR VEHICLES. GEORGE P. KEESEE, Chickasha, Okla.
Filed January 25, 1927. Serial No. 243,315. PUBLISHED APRIL 12, 1927.

229,056. SANITARY NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed January 25, 1927. Serial No. 243,323. PUBLISHED MARCH 29, 1927.

229,057. LUMBER, WOODWORK, AND LATH. WESTERN PINE MANUFACTURERS ASSOCIATION, Portland, Oreg.
Filed January 25, 1927. Serial No. 243,333. PUBLISHED MARCH 29, 1927.

229,058. HOUSEHOLD AND OFFICE CHAIRS, TABLES, DESKS, BEDS, CABINETS, AND THE LIKE. GEORGE S. HUNT, Pasadena, Calif.
Filed January 10, 1927. Serial No. 242,589. PUBLISHED APRIL 12, 1927.

229,059. ELECTRICAL EQUIPMENT—NAMELY, ELECTRIC SWITCH BOXES, SWITCH-BOX HANGERS, CONDUIT FITTINGS, CEILING OUTLET BOXES, WALL BRACKETS, CABLE RACKS AND INSULATORS, CONDUIT HANGERS, AND INSULATOR SUPPORTS. HUB-WAY MANUFACTURING COMPANY, Hubbard, Ohio.
Filed January 10, 1927. Serial No. 242,588. PUBLISHED APRIL 12, 1927.

229,060. MANUFACTURED ARTICLES OF CELLULOID—NAMELY, BARRETTES, HAIRPINS, COMBS, WATER-WAVING COMBS, WATER WAVERS, SHOEHORNS, AND TOILET SETS COMPRISING COMBS, HAIRBRUSH, PINCUSHION, PIN TRAY, MANICURE IMPLEMENTS IN CONTAINER, AND HAND MIRROR. BEHR & HIRTENSTEIN, New York, N. Y.
Filed January 10, 1927. Serial No. 242,566. PUBLISHED APRIL 5, 1927.

229,061. OILS USED IN THE VULCANIZATION OF INDIA RUBBER. TECHNISCHE CHEMIKALIEN-COMPAGNIE G. m. b. H., Halle-Saale, Germany.
Filed January 8, 1927. Serial No. 242,555. PUBLISHED APRIL 12, 1927.

229,062. A SKIN POWDER TERMED PRICKLY-HEAT POWDER. GEORGE S. HEYER, Houston, Tex.
Filed January 8, 1927. Serial No. 242,538. PUBLISHED APRIL 12, 1927.

229,063. HOSIERY. THE FLORSHEIM BROS. DRY GOODS CO. LTD., Shreveport, La.
Filed January 8, 1927. Serial No. 242,531. PUBLISHED APRIL 5, 1927.

229,064. DRESSES FOR WOMEN, MISSES, AND CHILDREN. BERT F. CROWN, doing business as B. F. Crown Company, Denver, Colo.
Filed January 8, 1927. Serial No. 242,521. PUBLISHED APRIL 12, 1927.

229,065. CHEMICAL PRESERVATIVES FOR MEATS, MEAT PRODUCTS, SAUSAGE, ETC. THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed January 7, 1927. Serial No. 242,498. PUBLISHED APRIL 12, 1927.

229,066. SEMIGLOSS ENAMEL-FINISH PAINT. WADSWORTH-HOWLAND COMPANY, Chicago, Ill.
Filed January 5, 1927. Serial No. 242,401. PUBLISHED APRIL 5, 1927.

229,067. TENNIS RACQUETS, BASEBALL BATS, SKIS, AND GOLF CLUBS. HORACE W. HALL, doing business as Speedwood Manufacturing Co., Boston, Mass.
Filed January 5, 1927. Serial No. 242,373. PUBLISHED APRIL 12, 1927.

229,068. SOUND RECORDING AND REPRODUCING MACHINERY AND APPURTENANCES THERETO AND PARTS THEREOF, TALKING MACHINES AND SUPPLIES THEREFOR, GRAMOPHONES, TALKING-MACHINE CABINETS, TALKING-MACHINE HORNS, TALKING-MACHINE AMPLIFIERS, TALKING-MACHINE STYLI OR NEEDLES, SOUND BOXES FOR TALKING MACHINES AND SOUND RECORDS FOR TALKING MACHINES, TALKING-MACHINE-RECORD DISKS, AND TALKING-MACHINE-RECORD TABLETS. VICTOR TALKING MACHINE COMPANY, Camden, N. J.
Filed January 4, 1927. Serial No. 242,360. PUBLISHED APRIL 5, 1927.

229,069. WOMEN'S AND MISSES' TEXTILE UNDERWEAR—NAMELY, GIRDLES, CORSETS, AND BUST CONFINERS. DOROTHY BICKUM, New York, N. Y.
Filed January 4, 1927. Serial No. 242,332. PUBLISHED APRIL 12, 1927.

229,070. WORK GLOVES, MITTENS, AND GAUNTLETS MADE FROM FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. M. B. HAMILTON & CO., Leavenworth, Kans.
Filed January 11, 1927. Serial No. 242,667. PUBLISHED APRIL 12, 1927.

229,071. FRETTED STRINGED MUSICAL INSTRUMENTS. TONK BROS. COMPANY, Chicago, Ill.
Filed February 19, 1926. Serial No. 227,542. PUBLISHED APRIL 12, 1927.

229,072. HERB EXTRACTS FOR MEDICINAL BEVERAGES, INCLUDING BEVERAGES SPECIFICALLY FOR NOURISHING THE STOMACH AND ENRICHING THE BLOOD; STOMACH BITTERS AND CORDIALS, AROMATIC VEGETABLE CONSTITUENTS FOR USE IN PREPARING MEDICINAL BEVERAGES, PURGATIVE BEVERAGES, AND THOSE HAVING AN OPPOSITE EFFECT. EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany.
Filed August 14, 1926. Serial No. 235,946. PUBLISHED APRIL 12, 1927.

229,073. STORAGE BATTERIES, BATTERY CHARGERS, AND PARTS THEREOF. AUTOMOTIVE BATTERY CORP., Chicago, Ill.
Filed August 20, 1926. Serial No. 236,190. PUBLISHED APRIL 5, 1927.

229,074. STRAW HATS FOR MEN, WOMEN, AND CHILDREN. WM. T. CHRISTMAS & COMPANY, St. Louis, Mo.
Filed August 27, 1926. Serial No. 236,537. PUBLISHED NOVEMBER 2, 1926.

229,075. HAIR TONIC. JOSEPH N. HANNA, Highland Park, Mich.
Filed February 28, 1927. Serial No. 245,010. PUBLISHED APRIL 12, 1927.

229,076. ROUGE, LIP STICK, FACE POWDER, TALCUM POWDER, TOILET POWDER, COLD CREAM, VANISHING CREAM, PERFUME, AND TOILET WATER. THE PALMOLIVE COMPANY, Chicago, Ill.
Filed February 28, 1927. Serial No. 245,027. PUBLISHED APRIL 12, 1927.

229,077. TEXTILE FABRICS OF RAYON AND SILK. DUPLAN SILK CORPORATION, New York, N. Y.
Filed February 16, 1927. Serial No. 244,432. PUBLISHED APRIL 12, 1927.

229,078. FITTED SEWING BASKETS AND KITS; AND NURSERY BASKETS COMPRISING A SOAP BOX, POWDER BOX, AND COMB OF HARD RUBBER, CELLULOID, SHELL, BONE, VULCANITE, ENAMEL, OR COMBINATIONS THEREOF; AND A BRUSH BACKED WITH HARD RUBBER, CELLULOID, SHELL, BONE, VULCANITE, ENAMEL, OR COMBINATIONS THEREOF, AND A PINCUSHION; AND TRAVELING SET COMPRISING COMBS, TOOTHBRUSH HOLDERS, AND SOAP BOXES OF HARD RUBBER, CELLULOID, SHELL, BONE, VULCANITE, ENAMEL, OR COMBINATIONS THEREOF, AND BRUSHES BACKED WITH SUCH MATERIAL, AND BOTTLES FOR PERFUME. BEST & CO., INC., New York, N. Y.
Filed February 15, 1926. Serial No. 227,291. PUBLISHED APRIL 12, 1927.

229,079. GLASS GLOBES AND REFLECTORS. THE MILLER COMPANY, Meriden, Conn.
Filed March 1, 1926. Serial No. 227,956. PUBLISHED APRIL 12, 1927.

229,080. GLASS GLOBES AND REFLECTORS. THE MILLER COMPANY, Meriden, Conn.
Filed March 1, 1926. Serial No. 227,957. PUBLISHED APRIL 12, 1927.

229,081. FRESH GRAPES, PLUMS, PEACHES, FRESH LEMONS, ORANGES, AND GRAPEFRUIT. B. F. LIST, Exeter, Calif.
Filed March 13, 1926. Serial No. 228,611. PUBLISHED APRIL 12, 1927.

229,082. FIGURED SHEET GLASS. THE WESTERN GLASS COMPANY, Streator, Ill.
Filed March 19, 1926. Serial No. 228,879. PUBLISHED APRIL 12, 1927.

229,083. COAL TAR, SEINE TAR, LENS PITCH, MARKING TAR FOR MARKING TEXTILE GOODS BEFORE BLEACHING, AND PITCH, INCLUDING ROOFING PITCH, WATERPROOFING PITCH, PAVING PITCH, AND CONCRETE PITCH. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I.
Filed March 30, 1926. Serial No. 229,416. PUBLISHED MARCH 29, 1927.

229,084. PAINTERS' BRUSHES. MARCUS BRUSH CO., INC., New York, N. Y.
Filed April 22, 1926. Serial No. 230,556. PUBLISHED APRIL 12, 1927.

229,085. FLOORING MADE OF MAPLE, BEECH, AND BIRCH. KERRY & HANSON FLOORING CO., Grayling, Mich.
Filed May 3, 1926. Serial No. 231,048. PUBLISHED MARCH 29, 1927.

229,086. POWDERED HEAT AND COLD BUILDING INSULATION, CALCINED GYPSUM, WALL PLASTERS, GYPSUM TILE, AND PLASTER BOARD. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed May 13, 1926. Serial No. 231,574. PUBLISHED MARCH 29, 1927.

229,087. REFRIGERATING APPARATUS, SUCH AS REFRIGERATORS, REFRIGERATING MACHINES, AND PARTS THEREOF. GENERAL REFRIGERATION COMPANY, South Beloit, Ill.
Filed May 24, 1926. Serial No. 232,131. PUBLISHED APRIL 12, 1927.

229,088. CABLES WITH NONMETALLIC PROTECTIVE COVERING USED FOR ELECTRIC WIRING. AMERICAN CIRCULAR LOOM COMPANY, New York, N. Y.
Filed May 26, 1926. Serial No. 232,240. PUBLISHED APRIL 12, 1927.

229,089. EMPTY DENTAL COMPACTS FOR CONTAINING TOOTHBRUSHES AND TOOTH-CLEANING MATERIAL IN EITHER LIQUID, PASTE, OR POWDER FORM. DENTI-KOMPAK COMPANY, Detroit, Mich.
Filed June 10, 1926. Serial No. 232,995. PUBLISHED AUGUST 17, 1926.

229,090. CHEMICAL COMPOUNDS, PREPARATIONS, AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. LOVIS' COVE GIFT SHOP, INC., Marblehead, Mass.
Filed February 16, 1927. Serial No. 244,455. PUBLISHED APRIL 12, 1927.

229,091. WATCHCASES. L & L WATCH CASE COMPANY, New York, N. Y.
Filed January 20, 1927. Serial No. 243,096. PUBLISHED APRIL 12, 1927.

229,092. OVERSHOES. LAURA M. RADWAY, New York, N. Y.
Filed January 20, 1927. Serial No. 243,110. PUBLISHED APRIL 5, 1927.

229,093. WHEAT FLOUR. THE FREMONT MILLS, Fremont, Nebr.
Filed February 21, 1927. Serial No. 244,687. PUBLISHED APRIL 5, 1927.

229,094. WATCHES, CLOCKS, AND THEIR MOVEMENTS. MARCEL M. MIRABEAU, doing business as Lissauer & Company, New York, N. Y.
Filed February 21, 1927. Serial No. 244,711. PUBLISHED APRIL 5, 1927.

229,095. COAL. CENTRAL POCAHONTAS COAL COMPANY, Welch, W. Va.
Filed December 31, 1926. Serial No. 242,226. PUBLISHED MARCH 29, 1927.

229,096. PREPARATIONS FOR PROTECTING ANIMAL SUBSTANCES AGAINST THE NOXIOUS EFFECT OF CHEMICALS, ESPECIALLY ALKALIES, DURING THE PROCESS OF REFINEMENT. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Berlin, Germany.
Filed December 30, 1926. Serial No. 242,179. PUBLISHED APRIL 12, 1927.

229,097. SENSITIZED PHOTOGRAPHIC PAPERS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Berlin, Germany.
Filed December 30, 1926. Serial No. 242,178. PUBLISHED APRIL 12, 1927.

229,098. SENSITIZED PHOTOGRAPHIC PAPERS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Berlin, Germany.
Filed December 30, 1926. Serial No. 242,177. PUBLISHED APRIL 12, 1927.

229,099. HOSIERY. VILLA RICA MILLS INC., Villa Rica, Ga.
Filed December 29, 1926. Serial No. 242,158. PUBLISHED APRIL 12, 1927.

229,100. ARTIFICIAL BAITS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed December 29, 1926. Serial No. 242,125. PUBLISHED APRIL 12, 1927.

229,101. HOSIERY. CLIMAX HOSIERY MILLS, Athens, Ga.
Filed December 29, 1926. Serial No. 242,094. PUBLISHED APRIL 12, 1927.

229,102. BREAD OF VARIOUS KINDS, COFFEE CAKES, CRULLERS, ROLLS, AND CAKES OF ALL KINDS. BORCK & STEVENS INCORPORATED, Bridgeport, Conn.
Filed December 29, 1926. Serial No. 242,081. PUBLISHED APRIL 5, 1927.

229,103. LUMBER AND PLANING-MILL PRODUCTS—NAMELY, ROUGH LUMBER FINISH OR FINISHING LUMBER, BEVELED SIDING, DROP SIDING, CEILING, FLORING, LATHS, AND SHINGLES. WEYERHAEUSER FOREST PRODUCTS, St. Paul, Minn.
Filed December 28, 1926. Serial No. 242,073. PUBLISHED APRIL 5, 1927.

229,104. LADIES' UNDERWEAR OF TEXTILE FABRIC. HARRY GELB, doing business as Hanover Manufacturing Company, New York, N. Y.
Filed December 27, 1926. Serial No. 241,997. PUBLISHED APRIL 12, 1927.

229,105. PNEUMATIC TIRES AND INNER TUBES THEREFOR. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed December 27, 1926. Serial No. 241,999. PUBLISHED APRIL 12, 1927.

229,106. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS IN VARIOUS FLAVORS. MILLER BECKER CO., Cleveland, Ohio.
Filed February 16, 1927. Serial No. 244,459. PUBLISHED APRIL 12, 1927.

229,107. CANDY. VITAMIN FOOD CO. INC., New York, N. Y.
Filed February 17, 1927. Serial No. 244,522. PUBLISHED APRIL 12, 1927.

229,108. WOMEN'S FITTED UNDERGARMENTS—NAMELY BRASSIÈRES, CORSET BRASSIÈRES, CORSETS, GIRDLES, AND CORSELETS. WEINGARTEN BROS., INC., New York, N. Y.
Filed February 17, 1927. Serial No. 244,524. PUBLISHED APRIL 12, 1927.

229,109. PREPARED DAIRY FEEDS. CHAPIN & COMPANY, Chicago, Ill.
Filed February 18, 1927. Serial No. 244,543. PUBLISHED APRIL 5, 1927.

229,110. HAIR PIECES. HYMAN & OPPENHEIM, New York, N. Y.
Filed February 18, 1927. Serial No. 244,560. PUBLISHED APRIL 12, 1927.

229,111. CANDLES. SMITH & NICHOLS, INCORPORATED, New York, N. Y.
Filed February 18, 1927. Serial No. 244,575. PUBLISHED APRIL 5, 1927.

229,112. CANDLES. SMITH & NICHOLS, INCORPORATED, New York, N. Y.
Filed February 18, 1927. Serial No. 244,576. PUBLISHED APRIL 12, 1927.

229,113. CANDLES. SMITH & NICHOLS, INCORPORATED, New York, N. Y.
Filed February 18, 1927. Serial No. 244,577. PUBLISHED APRIL 5, 1927.

229,114. FEED FOR LIVESTOCK. UNIVERSAL MILLS, Fort Worth, Tex.
Filed February 18, 1927. Serial No. 244,581. PUBLISHED APRIL 5, 1927.

229,115. SILK PIECE GOODS. ALBERT GODDE, HEDIN, INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,590. PUBLISHED APRIL 12, 1927.

229,116. WIDE ELASTIC WEBBING. THE ANSONIA O & C COMPANY, Ansonia, Conn.
Filed February 19, 1927. Serial No. 244,594. PUBLISHED APRIL 12, 1927.

229,117. TRUSSES AND SUSPENSORIES. THE CINCINNATI TRUSS COMPANY, Cincinnati, Ohio.
Filed February 19, 1927. Serial No. 244,603. PUBLISHED APRIL 5, 1927.

229,118. PRODUCT USED IN THE TREATMENT OF STATUS CALCIPRIVIA AND CERTAIN BLOOD DYSCRASIAS WITH ANEMIA. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed February 19, 1927. Serial No. 244,612. PUBLISHED APRIL 12, 1927.

229,119. PRODUCT USED IN THE TREATMENT OF ARTHRITIS AND PSORIASIS. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed February 19, 1927. Serial No. 244,613. PUBLISHED APRIL 12, 1927.

229,120. GALVANIZED SHEETS OF IRON OR STEEL. TENNESSEE COAL, IRON & RAILROAD COMPANY, Birmingham, Ala.
Filed February 19, 1927. Serial No. 244,633. PUBLISHED MARCH 29, 1927.

229,121. CANNED VEGETABLES. CARROON & CO., Fowler, Ind.
Filed February 21, 1927. Serial No. 244,659. PUBLISHED APRIL 12, 1927.

229,122. LACQUERS. THE ARCO COMPANY, Cleveland, Ohio.
Filed January 20, 1927. Serial No. 243,078. PUBLISHED MARCH 29, 1927.

229,123. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,200. PUBLISHED APRIL 12, 1927.

229,124. SAW BLADES. JOSEPH F. GLEASON, doing business as J. F. Gleason & Co., New York, N. Y.
Filed January 28, 1927. Serial No. 243,488. PUBLISHED APRIL 12, 1927.

229,125. INSECTICIDES, MEAT-CURING PREPARATIONS AND COMPOUNDS, FOOD COLORS, BAKING POWDER, ETC. B. HELLER & COMPANY, Chicago, Ill.
Filed January 28, 1927. Serial No. 243,491. PUBLISHED APRIL 12, 1927.

229,126. PLASTIC MATERIAL USED AS A CEMENT FOR AIRPROOFING MASONRY, METAL, AND OTHER BUILDING SURFACES; ALSO USED FOR WATERPROOFING AND WEATHERPROOFING SUCH SURFACES. THE STERLING PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 28, 1927. Serial No. 243,508. PUBLISHED APRIL 5, 1927.

229,127. ASPHALT EMULSION FORMING A MASTIC WHEN MIXED WITH CEMENT AND OTHER BUILDING MATERIALS FOR BONDING PLASTER, WALL BOARDS, CORK INSULATION, AND SIMILAR MATERIALS TO WALLS AND FOR PATCHING AND RESURFACING WOOD, CEMENT, AND OTHER FLOORS. THE STERLING PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 28, 1927. Serial No. 243,509. PUBLISHED APRIL 5, 1927.

229,128. THERAPEUTIC APPARATUS FOR GENERATING AND APPLYING INFRA-RED RAYS. GISH-FORTNEY CO. INC., Louisville, Ky.
Filed January 29, 1927. Serial No. 243,541. PUBLISHED APRIL 5, 1927.

229,129. ACCORDIONS AND MOUTH HARMONICAS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 29, 1927. Serial No. 243,563. PUBLISHED APRIL 12, 1927.

229,130. ARCH SUPPORTERS. THE OUTSIDE ARCH INC., Washington, D. C.
Filed January 31, 1927. Serial No. 243,619. PUBLISHED MARCH 29, 1927.

229,131. STUFFING-BOX PACKING OF A SEMI-METALLIC NATURE. WALKER AND FORBES, INC., Mamaroneck, N. Y.
Filed January 31, 1927. Serial No. 243,632. PUBLISHED APRIL 12, 1927.

229,132. BUILDING BLOCKS, PARTITION TILE, INSULATING TILE, SHEATHING SLABS, AND STRUCTURAL UNITS. ATLANTIC GYPSUM PRODUCTS COMPANY, Boston, Mass.
Filed February 1, 1927. Serial No. 243,639. PUBLISHED APRIL 5, 1927.

229,133. UPHOLSTERED DAVENPORTS, CHAIRS, STOOLS, AND BENCHES. STANDARD MATTRESS AND FURNITURE, INC., San Diego, Calif.
Filed February 1, 1927. Serial No. 243,670. PUBLISHED APRIL 12, 1927.

229,134. STRUCTURAL-STEEL MEMBERS. AMERICAN FINANCE & COMMERCE COMPANY, San Francisco, Calif.
Filed February 2, 1927. Serial No. 243,680. PUBLISHED APRIL 5, 1927.

229,135. LUMBER. DARLING-SINGER LUMBER CO., Portland, Oreg.
Filed February 2, 1927. Serial No. 243,689. PUBLISHED APRIL 5, 1927.

229,136. DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, FLOOR POLISH, FURNITURE POLISH, AND CLEANSERS—TO WIT, A POLISHING AND CLEANSING OIL FOR FURNITURE, FLOORS, AND SIMILAR SURFACES. WILLIAM E. GREENE, doing business as The Wills Products Company, New York, N. Y.
Filed February 2, 1927. Serial No. 243,699. PUBLISHED MARCH 29, 1927.

229,137. REFRIGERATORS AND REFRIGERATING MACHINERY. SANAT REFRIGERATING COMPANY, New York, N. Y.
Filed February 2, 1927. Serial No. 243,727. PUBLISHED APRIL 5, 1927.

229,138. FURS AND SKINS IN THE PIECE. NATHAN L. WEILL, INC., New York, N. Y.
Filed February 2, 1927. Serial No. 243,734. PUBLISHED APRIL 5, 1927.

229,139. VARIOUS CREAMS FOR THE SKIN, VARIOUS LOTIONS FOR THE SKIN; MANICURE PREPARATIONS IN THE FORM OF POWDER, PASTE, COMPACT, AND LIQUID; ROUGES IN THE FORM OF LIQUID, PASTE, CREAM, AND COMPACT; POWDERS—NAMELY, FACE, TALCUM, AND BATH POWDERS; HAIR TONICS, INCLUDING SHAMPOOS IN FORM OF LIQUID, JELLY, AND POWDER, ALSO HAIR POMADES, LOTIONS, AND DYES; BRILLIANTINE, SACHETS IN FORM OF POWDERS AND COMPACTS, PERFUMES, TOILET WATERS, LIP POMADES, BATH SALTS, SMELLING SALTS, SKIN PACKS, EYEBROW PENCILS, EYEBROW COLORS, EYE LOTIONS, DEODORANTS, DEPILATORIES, AND INCENSE. HENRY E. ZUTZ, St. Paul, Minn.
Filed February 2, 1927. Serial No. 243,737. PUBLISHED APRIL 12, 1927.

229,140. LADIES' AND MISSES' DRESSES, COATS, AND SUITS. FROHMAN & ALTMAN, INC., New York, N. Y.
Filed February 3, 1927. Serial No. 243,755. PUBLISHED APRIL 12, 1927.

229,141. SANITARY NAPKINS. ACME COTTON PRODUCTS CO., INC., New York, N. Y.
Filed February 4, 1927. Serial No. 243,795. PUBLISHED APRIL 5, 1927.

229,142. SMOKING PIPES. BENJAMIN PIPE COMPANY, INC., New York, N. Y.
Filed February 4, 1927. Serial No. 243,797. PUBLISHED APRIL 12, 1927.

229,143. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,201. PUBLISHED APRIL 12, 1927.

229,144. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,204. PUBLISHED APRIL 12, 1927.

229,145. DOLLS. ARTHUR A. GERLING, doing business as Gerling Toy Co., New York, N. Y.
Filed March 5, 1927. Serial No. 245,263. PUBLISHED APRIL 12, 1927.

229,146. SULPHATE OF COPPER, IRON SULPHATE, AND COPPER CARBONATE. THE MOUNTAIN COPPER CO., LTD., San Francisco, Calif.
Filed March 5, 1927. Serial No. 245,284. PUBLISHED APRIL 12, 1927.

229,147. NONALCOHOLIC, MALTLESS CARBONATED BEVERAGES AND SIRUPS FOR MAKING SAME. SETHNESS COMPANY, Chicago, Ill.
Filed March 5, 1927. Serial No. 245,301. PUBLISHED APRIL 12, 1927.

229,148. LIP STICK, DEPILATORY, ASTRINGENT LOTION, ALMOND CREAM, ROUGE LIQUID, NAIL POLISH, HAND LOTION, BATH TABLETS, BAY RUM, TOILET WATER, ROUGE, COLD CREAM, SMELLING SALT, LIP ROUGE, HAIR TONIC, MASSAGE CREAM, EYEBROW PENCIL, FACE POWDER, SHAMPOO, BLEACHING CREAM, HAIR WASH, NAIL-POLISH REMOVER, TOOTH POWDER, BLEACHING LOTION, BRILLIANTINE, TOOTH PASTE, HAIRDRESSING, TALCUM POWDER, DUSTING POWDER, LEMON CREAM, BATH SALT, SKIN LOTION, SACHET, VANISHING CREAM, SKIN CREAM, ROUGE PASTE, AND PERFUME. ANNA HELEN ARLT, Brooklyn, N. Y.
Filed March 7, 1927. Serial No. 245,316. PUBLISHED APRIL 12, 1927.

229,149. SILK PIECE GOODS. ELGIN SILK COMPANY, Paterson, N. J., and New York, N. Y.
Filed March 7, 1927. Serial No. 245,344. PUBLISHED APRIL 12, 1927.

229,150. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ. STRAWBERRY, LEMON, GRAPE, ORANGE, CHERRY, AND LIME FLAVORS, GINGER ALE, ROOT BEER, CREAM SODA, CHOCOLATE SODA, AND OTHER FLAVORS. RIVERSIDE BOTTLING WORKS, La Crosse, Wis.
Filed March 7, 1927. Serial No. 245,370. PUBLISHED APRIL 12, 1927.

229,151. WHEAT FLOUR. SCHULTZ, BAUJAN & CO., Beardstown, Ill.
Filed February 21, 1927. Serial No. 244,724. PUBLISHED APRIL 5, 1927.

229,152. DOG FOOD. SPRATT'S PATENT (AMERICA) LIMITED, London, England.
Filed February 21, 1927. Serial No. 244,727. PUBLISHED APRIL 5, 1927.

229,153. PREPARATIONS OR MEDICINES FOR PAINS AND ACHES OF NERVOUS OR ORGANIC ORIGIN AND FOR RHEUMATIC, NEURALGIC, AND GOUTY CONDITIONS; ABSORBEFACIENTS, ALTERATIVES, ANALGESICS, LOCAL AND INTERNAL; ANODYNES; ANTINEURALGICS, LOCAL AND INTERNAL; ANTIRHEUMATICS, LOCAL AND INTERNAL; ANTIARTHRITICS, ANTIPYRETICS; ANTISEPTICS, LOCAL AND INTERNAL; ANTIGONORRHEICS, ANTILEPRICS, ANTISPASMODICS, ANTITUBERCULOUS, ANTIMALARIAL, ANTIDIARRHEAL, ANTISYPHILITICS, ASTRINGENTS, LOCAL AND INTERNAL; LOCAL ANÆSTHETICS, CICATRIZANTS, DIURETICS, DIGESTANTS, DIAPHORETICS, EXPECTORANTS, HEMATINICS, HEMOSTATICS, HYPNOTICS, PURGATIVES, SEDATIVES, AND GENERAL TONICS. THE BAYER COMPANY, INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,738. PUBLISHED APRIL 12, 1927.

229,154. STOGIES. CARL J. CHENEY, Gallipolis, Ohio.
Filed February 23, 1927. Serial No. 244,742. PUBLISHED APRIL 12, 1927.

229,155. WOMEN'S SHOES OF LEATHER AND FABRIC. W. B. COON CO., Rochester, N. Y.
Filed February 23, 1927. Serial No. 244,745. PUBLISHED APRIL 12, 1927.

229,156. WOMEN'S SHOES OF LEATHER AND FABRIC. W. B. COON CO., Rochester, N. Y.
Filed February 23, 1927. Serial No. 244,746. PUBLISHED APRIL 12, 1927.

229,157. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash.
Filed February 23, 1927. Serial No. 244,762. PUBLISHED APRIL 5, 1927.

229,158. BRASSIÈRES, CORSETS, VESTS, CHEMISES, BLOOMERS, STEP-INS, AND COSTUME SLIPS. IMPERIAL MANUFACTURING COMPANY, New York, N. Y.
Filed February 23, 1927. Serial No. 244,771. PUBLISHED APRIL 12, 1927.

229,159. COFFEE. KING KOFFEE KOMPANY, Indianapolis, Ind.
Filed February 23, 1927. Serial No. 244,775. PUBLISHED APRIL 12, 1927.

229,160. COFFEE. KING KOFFEE KOMPANY, Indianapolis, Ind.
Filed February 23, 1927. Serial No. 244,776. PUBLISHED APRIL 12, 1927.

229,161. COMBINATION SILK AND COTTON PIECE GOODS. LAWRENCE TEXTILE CORPORATION, New York, N. Y.
Filed February 24, 1927. Serial No. 244,832. PUBLISHED APRIL 12, 1927.

229,162. BUTTER. DEBOW & CO., Newark, N. J.
Filed February 25, 1927. Serial No. 244,855. PUBLISHED APRIL 5, 1927.

229,163. GLOVES CONSTRUCTED OF LEATHER OR FABRIC OR COMBINATIONS OF SAID MATERIALS. GATES, MILLS & DRISCOLL, INC., Johnstown, N. Y.
Filed February 25, 1927. Serial No. 244,862. PUBLISHED APRIL 12, 1927.

229,164. READY-MIXED PAINTS, PAINT ENAMELS, LACQUERS; PAINT OILS—NAMELY, LINSEED OIL, AUTOMOBILE POLISH, VARNISHES, AND WOOD STAINS. VERRAIN C. WOGOMAN, doing business as Wogoman Paint & Varnish Co., Los Angeles, Calif.
Filed February 25, 1927. Serial No. 244,906. PUBLISHED APRIL 5, 1927.

229,165. LADIES', MISSES', AND CHILDREN'S HATS. IRVING M. BAKER, Denver, Colo.
Filed February 26, 1927. Serial No. 244,912. PUBLISHED APRIL 12, 1927.

229,166. CAKE. GENERAL BAKING COMPANY, New York, N. Y.
Filed February 26, 1927. Serial No. 244,924. PUBLISHED APRIL 5, 1927.

229,167. CAKE. GENERAL BAKING COMPANY, New York, N. Y.
Filed February 26, 1927. Serial No. 244,925. PUBLISHED APRIL 5, 1927.

229,168. CIGARETTES. LEVON BERBERIAN, Boston, Mass.
Filed February 28, 1927. Serial No. 244,975. PUBLISHED APRIL 12, 1927.

229,169. CLOCKS. BERNARD D. COLEN, New York, N. Y.
Filed January 28, 1925. Serial No. 208,743. PUBLISHED APRIL 12, 1927.

229,170. AROMATIC CEDAR LUMBER IN THE FORM OF BOARDS SUITED FOR LINING CLOSETS. CHICKAMAUGA CEDAR COMPANY, Stevenson, Ala.
Filed March 7, 1925. Serial No. 210,644. PUBLISHED DECEMBER 22, 1925.

229,171. DATES. THE HILLS BROTHERS COMPANY, New York, N. Y.
Filed May 1, 1925. Serial No. 213,644. PUBLISHED JUNE 1, 1926.

229,172. MAINSPRINGS FOR CLOCKS AND WATCHES. LOUIS PERRET ET FILS, La Chaux-de-Fonds, Switzerland.
Filed October 15, 1925. Serial No. 221,766. PUBLISHED APRIL 5, 1927.

229,173. MEN'S AND BOYS' HATS AND CAPS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed November 14, 1925. Serial No. 223,304. PUBLISHED JANUARY 19, 1926.

229,174. CHILDREN'S LEATHER SHOES. MILTON J. MEYER & CO., INC., New York, N. Y., assignor to The United States Shoe Company, Cincinnati, Ohio.
Filed January 2, 1926. Serial No. 225,438. PUBLISHED APRIL 12, 1927.

229,175. ELECTRIC LAMPS, ELECTRIC LANTERNS, ELECTRIC SEARCHLIGHTS, AND ELECTRIC SIGNS. PERKINS MARINE LAMP CORPORATION, Brooklyn, N. Y.
Filed January 15, 1926. Serial No. 225,965. PUBLISHED JUNE 22, 1926.

229,176. INK REMOVER FOR TYPE. W. H. YOUNG CORPORATION, Chicago, Ill.
Filed January 23, 1926. Serial No. 226,324. PUBLISHED MARCH 29, 1927.

229,177. ELECTRICAL FITTINGS COMPRISING CONDUIT FITTINGS AND PARTS THEREOF AND FITTINGS FOR ELECTRICAL APPARATUS SUPPORTS. ERIE MALLEABLE IRON COMPANY, Erie, Pa.
Filed January 27, 1926. Serial No. 226,481. PUBLISHED APRIL 5, 1927.

229,178. TEXTILE FABRICS STAMPED WITH EMBROIDERY PATTERNS. JOHN R. LANKENAU CO., Boston, Mass.
Filed February 2, 1926. Serial No. 226,776. PUBLISHED APRIL 5, 1927.

229,179. GASOLINE, KEROSENE, LUBRICATING OIL, LUBRICATING GREASES, FUEL OILS. MAYFLOWER OIL COMPANY, Boston, Mass.
Filed February 3, 1926. Serial No. 226,816. PUBLISHED APRIL 5, 1927.

229,180. HOSIERY, UNDERWEAR OF KNITTED AND TEXTILE FABRIC, CLOAKS, SUITS AND DRESSES, JACKETS, BONNETS, SASHES, SCARFS, MUFFLERS, GAITERS; DRESS, NEGLIGEE, AND WORK SHIRTS; TROUSERS, RUBBERS; BOOTS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; SHIRT WAISTS, BRASSIÈRES, NEGLIGEES, TOQUES, JUMPERS, LEGGINGS, PUTTIES, BATHING SUITS, GAUNTLETS, SWEATERS, HOODS FOR MEN AND WOMEN, CAPS FOR MEN AND WOMEN; VESTS, CAPES, SPORT AND SPORTING GOODS SUITS FOR MEN AND WOMEN; OUTING SHIRTS, JERSEYS, KNEE TIGHTS, CAMPING SUITS, SANDALS, KIMONOS, TIES, COLLARS, AND JABOTS, CUFFS, SHAWLS, BLOUSES; MITTENS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, AND SLIPPERS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. BETTY WALES INC., New York, N. Y.
Filed February 6, 1926. Serial No. 226,937. PUBLISHED APRIL 12, 1927.

229,181. FACE CREAM. SAN-I-SAL LABORATORIES, INC., Washington, D. C.
Filed January 20, 1927. Serial No. 243,117. PUBLISHED APRIL 12, 1927.

229,182. METALS AND METAL CASTINGS AND FORGINGS, SPECIFICALLY IRON AND TOOL STEELS, MACHINERY STEELS, AND ALLOY AND OTHER STEELS IN BARS, SHAPES, SHEETS, STRIPS, FORGINGS, AND CASTINGS. WHEELOCK, LOVEJOY & COMPANY, INC., Cambridge, Mass.; New York, N. Y.; Cleveland, Ohio; and Chicago, Ill.
Filed January 20, 1927. Serial No. 243,123. PUBLISHED MARCH 29, 1927.

229,183. METALS AND METAL CASTINGS AND FORGINGS, SPECIFICALLY UPON IRON AND TOOL STEELS, MACHINERY STEELS, AND ALLOY AND OTHER STEELS IN BARS, SHAPES, SHEETS, STRIPS, FORGINGS, AND CASTINGS. WHEELOCK, LOVEJOY & COMPANY, INC., Cambridge, Mass.; New York, N. Y.; Cleveland, Ohio; and Chicago, Ill.
Filed January 20, 1927. Serial No. 243,124. PUBLISHED MARCH 29, 1927.

229,184. KNITTED SWEATERS, SOCKS, AND GOLF HOSE, WINDBREAKERS, LUMBER JACKETS, BLOUSES, NECKTIES, CAPS, BATHING SUITS, AND SCARFS, ALL OF KNITTED GOODS, FOR MEN, WOMEN, AND CHILDREN. CARTHAGE KNIT WEAR CORPORATION, New York, N. Y.
Filed January 21, 1927. Serial No. 243,138. PUBLISHED APRIL 12, 1927.

229,185. PRECIOUS STONES AND IMITATION PRECIOUS STONES. "CRISTALLO" A. G. Thusis, Switzerland.
Filed January 21, 1927. Serial No. 243,142. PUBLISHED APRIL 12, 1927.

229,186. SOAPSTONE, UNCURED SHEET RUBBER FOR USE IN TIRE REPAIRING, UNCURED CAMEL-BACK RUBBER STOCK FOR USE IN TIRE REPAIRING, UNCURED SHEET RUBBER WITH VULCANIZED BACKING AND TIRE-FLAP MATERIAL. THE FISK RUBBER COMPANY, Chicopee Falls, Mass., and Cudahy, Wis.
Filed January 21, 1927. Serial No. 243,146. PUBLISHED MARCH 29, 1927.

229,187. STEREOTYPE MATS OR MATRICES. WOOD FLONG CORPORATION, New York, N. Y.
Filed January 21, 1927. Serial No. 243,181. PUBLISHED MARCH 29, 1927.

229,188. LAWN-GRASS SEEDS. THE ALBERT DICKINSON COMPANY, Chicago, Ill.
Filed January 22, 1927. Serial No. 243,186. PUBLISHED MARCH 29, 1927.

229,189. UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, OF KNITTED FABRIC. LOUIS KNECHT, doing business as The Walser Manufacturing Company, Clifton, N. J.
Filed January 22, 1927. Serial No. 243,221. PUBLISHED APRIL 12, 1927.

229,190. WATERPROOF FABRIC AND WATERPROOF COTTON DUCK. WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md.
Filed January 24, 1927. Serial No. 243,270. PUBLISHED APRIL 5, 1927.

229,191. MOTION-PICTURE FILMS, POSITIVES, NEGATIVES, STILLS, AND PICTURES PROJECTED ON SCREENS. FLORENCE LOIS WEBER SMALLEY, Los Angeles, Calif.
Filed September 2, 1922. Serial No. 169,045. PUBLISHED MARCH 20, 1923.

229,192. ELECTRICAL CABINETS, ELECTRICAL SWITCHES, SWITCH BOXES, METER-TESTING APPARATUS, AND METER CONNECTION BLOCKS. SQUARE D COMPANY, Detroit, Mich.
Filed November 27, 1922 Serial No 172,616. PUBLISHED APRIL 12, 1927.

229,193. LEATHER SHOES. EDMONDS SHOE COMPANY, Milwaukee, Wis.
Filed January 14, 1924. Serial No. 190,771. PUBLISHED APRIL 5, 1927.

229,194. LEATHER SHOES. EDMONDS SHOE COMPANY, Milwaukee, Wis.
Filed January 14, 1924. Serial No. 190,772. PUBLISHED APRIL 5, 1927.

229,195. HOSIERY. O'CALLAGHAN & FEDDEN, INC., New York, N. Y.
Filed June 2, 1924. Serial No. 197,952. PUBLISHED JULY 29, 1924.

229,196. LUBRICATING OILS AND GREASES. WILLIAM L. HAGENBAUGH, doing business as Master Lubricants Company, Los Angeles, Calif.
Filed July 26, 1924. Serial No. 200,554. PUBLISHED OCTOBER 14, 1924.

229,197. LUBRICATING OILS AND GREASES. WILLIAM L. HAGENBAUGH, doing business as Master Lubricants Company, Los Angeles, Calif.
Filed July 26, 1924. Serial No. 200,556. PUBLISHED OCTOBER 14, 1924.

229,198. BATTERY ELIMINATOR. KELLOGG SWITCHBOARD AND SUPPLY CO., Chicago, Ill.
Filed January 23, 1925. Serial No. 208,522. PUBLISHED APRIL 12, 1927.

229,199. ELECTRICAL TRANSFORMERS AND EQUIPMENT THEREFOR. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 16, 1926. Serial No. 233,341. PUBLISHED APRIL 5, 1927.

229,200. CAST STEEL, CASTINGS, AND FORGINGS. THOS. FIRTH & SONS, LIMITED, Sheffield, England.
Filed June 17, 1926. Serial No. 233,367. PUBLISHED MARCH 29, 1927.

229,201. PATCHES FOR RUBBER TIRES. BECKHAM TIRE AND RUBBER COMPANY, Atlanta, Ga.
Filed July 2, 1926. Serial No. 234,020. PUBLISHED APRIL 12, 1927.

229,202. SPECIALLY-PREPARED CORN FOR USE IN MAKING TORTILLAS. SOUTH TEXAS GRAIN COMPANY, Houston, Tex.
Filed July 2, 1926. Serial No. 234,054. PUBLISHED FEBRUARY 8, 1927.

229,203. COMPLETE WHEAT FLOUR, WHEAT GRITS, BRAN, AND BREAD. CHARLES HOLSER, Santa Cruz, Calif.
Filed July 10, 1926. Serial No. 234,397. PUBLISHED APRIL 5, 1927.

229,204. DRY AND READY-MIXED PAINTS, VARNISHES, STAINS, AND PAINT ENAMELS. ROBERTS, GLAZEBROOK & CO. LTD., doing business as Tyseley Paint and Varnish Works, Birmingham, England.
Filed July 21, 1926. Serial No. 234,872. PUBLISHED APRIL 5, 1927.

229,205. FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, AND GRAPEFRUIT. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif.
Filed July 26, 1926. Serial No. 235,189. PUBLISHED JANUARY 18, 1927.

229,206. STORAGE-BATTERY TERMINALS, PLUGS, SCREWS, AND BUSHINGS. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed July 29, 1926. Serial No. 235,303. PUBLISHED APRIL 5, 1927.

229,207. GASOLINE. THE TRINIDAD OIL COMPANY, Trinidad, Colo.
Filed August 3, 1926. Serial No. 235,537. PUBLISHED APRIL 12, 1927.

229,208. SANITARY NAPKINS. THE HOSPITAL SPECIALTY CO., Cleveland, Ohio.
Filed August 11, 1926. Serial No. 235,818. PUBLISHED APRIL 5, 1927.

229,209. SANITARY NAPKINS. THE HOSPITAL SPECIALTY CO., Cleveland, Ohio.
Filed August 11, 1926. Serial No. 235,822. PUBLISHED APRIL 5, 1927.

229,210. SANITARY NAPKINS. THE HOSPITAL SPECIALTY CO., Cleveland, Ohio.
Filed August 11, 1926. Serial No. 235,827. PUBLISHED APRIL 5, 1927.

229,211. BACON. ERNEST S. BAZLEY, doing business as The Bazley Market, Chicago, Ill.
Filed October 27, 1926. Serial No. 239,287. PUBLISHED APRIL 12, 1927.

229,212. COTTON PIECE GOODS. JAMES C. ERSKINE CORP., New York, N. Y.
Filed October 27, 1926. Serial No. 239,297. PUBLISHED APRIL 12, 1927.

229,213. CATTLE TAGS, SHEEP TAGS, HOG TAGS, HORSE TAGS, FOX TAGS, FISH TAGS, AND POULTRY BANDS. INTER-MOUNTAIN MACHINE & STAMP WORKS, INC., Salt Lake City, Utah.
Filed November 1, 1926. Serial No. 239,522. PUBLISHED MARCH 29, 1927.

229,214. BRASSIÈRES AND BUST SUPPORTERS. ROSENBERG & HERTZ, Cologne-on-the-Rhine, Germany.
Filed November 1, 1926. Serial No. 239,519. PUBLISHED APRIL 12, 1927.

229,215. COLLAPSIBLE PARTITION STRUCTURES. HERMAN W. MAURER, Cleveland, Ohio.
Filed November 10, 1926. Serial No. 239,888. PUBLISHED MARCH 29, 1927.

229,216. METAL FRAMES INSERTABLE IN FLOWERPOTS WHICH SUPPORT THE SOIL ABOVE THE INNER BOTTOM OF THE FLOWERPOTS. FRANK LUIPERSBEK, Boundbrook, N. J.
Filed November 19, 1926. Serial No. 240,309. PUBLISHED MARCH 29, 1927.

229,217. CINEMATOGRAPHIC CAMERA, CINEMATOGRAPHIC PROJECTOR, TRIPOD, FILM MAGAZINE, SENSITIZED FILM, AND PRINTED FILM. PATHEX, INC., New York, N. Y.
Filed November 20, 1926. Serial No. 240,362. PUBLISHED APRIL 12, 1927.

229,218. DAVENPORTS, HOUSEHOLD AND OFFICE CHAIRS, ROCKERS, OTTOMANS, BENCHES, AND FOOTSTOOLS. DUNBAR FURNITURE MANUFACTURING COMPANY, Berne, Ind.
Filed November 22, 1926. Serial No. 240,410. PUBLISHED APRIL 12, 1927.

229,219. WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed November 29, 1926. Serial No. 240,715. PUBLISHED APRIL 5, 1927.

229,220. HAMS. THE SMITHFIELD COMPANY, INCORPORATED, Smithfield, Va.
Filed December 3, 1926. Serial No. 240,929. PUBLISHED APRIL 12, 1927.

229,221. CHILDREN'S SUITS AND CREEPERS. SEYMOUR KIDDY WEAR CORPORATION, New York, N. Y.
Filed January 12, 1927. Serial No. 242,754. PUBLISHED APRIL 12, 1927.

229,222. LUMBER, BOTH FINISHED AND UNFINISHED. WILLIAM L. KANN, Pittsburgh, Pa.
Filed January 13, 1927. Serial No. 242,786. PUBLISHED APRIL 5, 1927.

229,223. PREPARATIONS FOR TREATING THE HAIR AND SKIN CONSISTING OF A PRESSING OIL AND LUSTER RESTORER, HAIR PRODUCER, HAIR TONIC, TONIC BRILLIANTINE, SKIN OINTMENT, AND VANISHING SCALP CREAM. AGNES C. SMITH, doing business as The A. C. S. Mfg. Co., Americus, Ga.
Filed January 14, 1927. Serial No. 242,860. PUBLISHED APRIL 12, 1927.

229,224. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. S. WEISSMAN CO., INC., New York, N. Y.
Filed January 15, 1927. Serial No. 242,982. PUBLISHED APRIL 5, 1927.

229,225. HYDRATED LIME FOR CHEMICAL USE. CHEMICAL LIME COMPANY, Bellefonte, Pa.
Filed January 18, 1927. Serial No. 242,983. PUBLISHED APRIL 12, 1927.

229,226. HYDRATED LIME FOR CHEMICAL USE. CHEMICAL LIME COMPANY, Bellefonte, Pa.
Filed January 18, 1927. Serial No. 242,985. PUBLISHED APRIL 12, 1927.

229,227. ELECTRIC MAGNETIC BELTS. THEODORE I. CUMMINGS, Los Angeles, Calif.
Filed January 18, 1927. Serial No. 242,986. PUBLISHED MARCH 29, 1927.

229,228. VIOLIN AND CELLO STRINGS. SIMSON & FENY, INC., New York, N. Y.
Filed January 18, 1927. Serial No. 243,025. PUBLISHED APRIL 5, 1927.

229,229. KITCHEN CABINETS, CHINA CABINETS, WALL CABINETS OF THE PORTABLE TYPE, TABLES SUITABLE FOR HOUSEHOLD USE, CHAIRS SUITABLE FOR HOUSEHOLD USE, BENCHES, SEATS, BROOM CLOSETS OF THE PORTABLE TYPE, STORAGE COMPARTMENTS OF THE PORTABLE TYPE, CUPBOARDS, BUTLERIES, MEDICINE CABINETS OF THE PORTABLE TYPE, AND KITCHEN DRESSERS. WASMUTH-ENDICOTT COMPANY, Andrews, Ind.
Filed January 18, 1927. Serial No. 243,027. PUBLISHED APRIL 12, 1927.

229,230. GAS, COAL, AND WOOD STOVES AND PARTS THEREOF. O. K. STOVE & RANGE CO., Louisville, Ky.
Filed January 19, 1927. Serial No. 243,064. PUBLISHED APRIL 12, 1927.

229,231. BUTTER AND EGGS. ALEX GETZ, Chicago, Ill.
Filed December 4, 1926. Serial No. 240,971. PUBLISHED APRIL 5, 1927.

229,232. SOAP. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed December 4, 1926. Serial No. 240,981. PUBLISHED FEBRUARY 15, 1927.

229,233. INCUBATORS AND BROODERS. H. M. SHEER CO., Quincy, Ill.
Filed December 2, 1926. Serial No. 240,886. PUBLISHED MARCH 29, 1927.

229,234. YARN AND MACHINE THREAD. A. W. ARCHER CO., INC., New York, N. Y.
Filed December 9, 1926. Serial No. 241,200. PUBLISHED APRIL 12, 1927.

229,235. WHEAT FLOUR. EAGLE ROLLER MILL CO., INC., Shelby, N. C.
Filed December 11, 1926. Serial No. 241,332. PUBLISHED APRIL 5, 1927.

229,236. FLOWER, GARDEN, AND FIELD SEEDS. THE FORREST SEED CO. INC., Cortland, N. Y.
Filed December 11, 1926. Serial No. 241,334. PUBLISHED APRIL 5, 1927.

229,237. RUBBER. NAAMLOOZE VENNOOTSCHAP RUBBER CULTUUR MAATSCHAPPIJ AMSTERDAM, Amsterdam, Netherlands.
Filed December 13, 1926. Serial No. 241,428. PUBLISHED MARCH 29, 1927.

229,238. ELECTRICAL FANS. PIQUA ELECTRIC SERVICE CO., Piqua, Ohio.
Filed December 13, 1926. Serial No. 241,436. PUBLISHED APRIL 12, 1927.

229,239. LADIES' AND GIRLS' FROCKS AND DRESSES. MOSKOWITZ & ALTMAN, New York, N. Y.
Filed December 14, 1926. Serial No. 241,492. PUBLISHED APRIL 12, 1927.

229,240. LEATHER AND SATIN SHOES. ALFRED D. SEBASTIANI, Montreal, Quebec, Canada.
Filed December 15, 1926. Serial No. 241,547. PUBLISHED APRIL 12, 1927.

229,241. CEMENT. WEST PENN CEMENT COMPANY, Butler, Pa.
Filed December 15, 1926. Serial No. 241,552. PUBLISHED APRIL 5, 1927.

229,242. WATER COLORS, POSTER PAINTS, AND POWDERED COLORS SIZED. EDNA CAMPBELL BARKER, San Diego, Calif.
Filed December 16, 1926. Serial No. 241,557. PUBLISHED MARCH 29, 1927.

229,243. PIG LEAD, SPELTER, ANTIMONIAL LEAD, GLAZIER'S LEAD, INGOT LEAD, ROD LEAD, ROOF FLANGES, SHEET LEAD, SOLDER, BABBITT, TIN, LEAD WOOL, AND ROPE-SOCKET METAL. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 20, 1926. Serial No. 241,704. PUBLISHED APRIL 5, 1927.

229,244. PIG LEAD, SPELTER, ANTIMONIAL LEAD, GLAZIER'S LEAD, INGOT LEAD, ROD LEAD, ROOF FLANGES, SHEET LEAD, SOLDER, BABBITT, TIN, LEAD WOOL, AND ROPE-SOCKET METAL. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 20, 1926. Serial No. 241,705. PUBLISHED APRIL 5, 1927.

229,245. PIG LEAD, SPELTER, ANTIMONIAL LEAD, GLAZIER'S LEAD, INGOT LEAD, ROD LEAD, ROOF FLANGES, SHEET LEAD, SOLDER, BABBITT, TIN, LEAD WOOL, AND ROPE-SOCKET METAL. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill.
Filed December 20, 1926. Serial No. 241,706. PUBLISHED APRIL 5, 1927.

229,246. AUTOMATIC ELECTRIC FIRE ALARMS. MARTIN C. KROUGER, doing business as Detektalarm, Los Angeles, Calif.
Filed December 20, 1926. Serial No. 241,730. PUBLISHED APRIL 12, 1927.

229,247. MEN'S OUTER, DRESS, AND NEGLIGEE SHIRTS. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed December 21, 1926. Serial No. 241,778. PUBLISHED APRIL 5, 1927.

229,248. COAL. W. G. BLOCK COMPANY, Davenport, Iowa.
Filed December 23, 1926. Serial No. 241,861. PUBLISHED MARCH 29, 1927.

229,249. PIE AND CAKE FLOUR. PAXTON FLOUR & FEED CO., Harrisburg, Pa.
Filed December 24, 1926. Serial No. 241,957. PUBLISHED APRIL 5, 1927.

229,250. FRESH CITROUS FRUITS—NAMELY, ORANGES AND LEMONS. CHARTERS-DAVIS COMPANY, Corona, Calif.
Filed December 27, 1926. Serial No. 241,985. PUBLISHED FEBRUARY 8, 1927.

229,251. COAL. DEXTER-CARPENTER COAL COMPANY, INCORPORATED, New York, N. Y.
Filed February 9, 1927. Serial No. 244,058. PUBLISHED APRIL 5, 1927.

229,252. COAL. DEXTER-CARPENTER COAL COMPANY, INCORPORATED, New York, N. Y.
Filed February 9, 1927. Serial No. 244,062. PUBLISHED APRIL 5, 1927.

229,253. BATHING SUITS. GREENHILL & DANIEL, Brooklyn, N. Y.
Filed February 9, 1927. Serial No. 244,069. PUBLISHED APRIL 5, 1927.

229,254. SANITARY NAPKINS. THE NARROW FABRIC CO., West Reading and Reading, Pa.
Filed February 9, 1927. Serial No. 244,086. PUBLISHED APRIL 5, 1927.

229,255. DOG FOOD. OLD TRUSTY DOG FOOD COMPANY, Needham Heights, Mass.
Filed February 9, 1927. Serial No. 244,094. PUBLISHED APRIL 5, 1927.

229,256. CRYOLITE. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 9, 1927. Serial No. 244,105. PUBLISHED APRIL 5, 1927.

229,257. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. FASHION PARK INC., Rochester, N. Y.
Filed February 10, 1927. Serial No. 244,145. PUBLISHED APRIL 12, 1927.

229,258. ELECTRIC CEILING, DESK, AND EXHAUST FANS. HUNTER FAN & MOTOR CO., Fulton and New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; New Orleans, La.; and Dallas Tex.
Filed February 10, 1927. Serial No. 244,158. PUBLISHED APRIL 12, 1927.

229,259. HOSIERY. REAL SILK HOSIERY MILLS, Indianapolis, Ind.
Filed February 10, 1927. Serial No. 244,181. PUBLISHED APRIL 5, 1927.

229,260. CANNED FISH, CANNED SHRIMP, CANNED OYSTERS, CANNED LOBSTER, CANNED CLAM CHOWDER, AND COD-FISH BALLS. WM. H. STANLEY, INC., New York, N. Y.
Filed February 10, 1927. Serial No. 244,192. PUBLISHED APRIL 12, 1927.

229,261. CLOCKS. H. S. BENEDIKT COMPANY, INC., New York, N. Y.
Filed February 11, 1927. Serial No. 244,208. PUBLISHED APRIL 5, 1927.

229,262. FRESH TOMATOES. FLATOW, RILEY AND COMPANY, Cincinnati, Ohio.
Filed February 11, 1927. Serial No. 244,221. PUBLISHED APRIL 12, 1927.

229,263. BOYS' WEAR—VIZ, BLOUSES, SUITS IN ONE, TWO, AND THREE PIECE GARMENTS, AND OVERCOATS, AND MEN'S AND BOYS' LUMBER JACKETS. MORRIS FREEZER, New York, N. Y.
Filed February 11, 1927. Serial No. 244,223. PUBLISHED APRIL 5, 1927.

229,264. POLISHING FLUID FOR FLOORS. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo.
Filed February 11, 1927. Serial No. 244,229. PUBLISHED MARCH 29, 1927.

229,265. EXPERIMENTAL AND SPECIAL MACHINERY AND FIXTURES THEREFOR. PECO MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 11, 1927. Serial No. 244,240. PUBLISHED APRIL 12, 1927.

229,266. TEXTILE PAINTS—I. E., READY-MIXED, TRANSPARENT, AND OPAQUE PAINTS IN PASTE AND LIQUID FORM, AND PAINT THINNER AND BRUSH WASH. G. REIS & BRO., INC., New York, N. Y.
Filed February 11, 1927. Serial No. 244,242. PUBLISHED APRIL 5, 1927.

229,267. TABLE COVERS MANUFACTURED FROM TEXTILE FABRICS, TABLE SCARFS, BEDSPREADS, AND TOWELS MANUFACTURED FROM TEXTILE FABRICS. FELIX TAUSEND, New York, N. Y.
Filed February 11, 1927. Serial No. 244,249. PUBLISHED APRIL 12, 1927.

229,268. TOILET DEODORANT. VIKING LABORATORIES, INCORPORATED, Charleston, W. Va.
Filed February 11, 1927. Serial No. 244,254. PUBLISHED APRIL 12, 1927.

229,269. SKIN LOTION. VIKING LABORATORIES, INCORPORATED, Charleston, W. Va.
Filed February 11, 1927. Serial No. 244,255. PUBLISHED APRIL 12, 1927.

229,270. CORSET BELT. WILLIAM G. WEBER, doing business as Weber Correcto Belt Co., New York, N. Y.
Filed February 11, 1927. Serial No. 244,260. PUBLISHED APRIL 5, 1927.

229,271. MEN'S DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS. HAHNE & COMPANY, Newark, N. J.
Filed February 4, 1927. Serial No. 243,805. PUBLISHED APRIL 12, 1927.

229,272. WIRE TERMINALS AND CABLES. K-E-M MANUFACTURING & SALES CO., New York, N. Y.
Filed February 4, 1927. Serial No. 243,812. PUBLISHED APRIL 12, 1927.

229,273. LADIES' HATS. PHILIP KIEVES, doing business as Demand Hat Co., New York, N. Y.
Filed February 4, 1927. Serial No. 243,813. PUBLISHED APRIL 12, 1927.

229,274. FLASH POWDER FOR PHOTOGRAPHIC USE. I. C. NEWMAN CO. INC., New York, N. Y.
Filed February 4, 1927. Serial No. 243,821. PUBLISHED APRIL 12, 1927.

229,275. DRYING MACHINES AND DRY-CLEANING MACHINES. THE AMERICAN LAUNDRY MACHINERY CO., Cincinnati, Ohio.
Filed February 5, 1927. Serial No. 243,839. PUBLISHED APRIL 12, 1927.

229,276. MEN'S AND BOYS' WORK, DRESS, AND NEGLIGEE SHIRTS, PYJAMAS, NIGHTSHIRTS, AND WASHABLE LOUNGING ROBES, AND LADIES' PYJAMAS. NIGHT COMFORT GARMENT CO., INC., New York, N. Y.
Filed February 5, 1927. Serial No. 243,874. PUBLISHED APRIL 12, 1927.

229,277. CRAVATS, FOUR-IN-HAND TIES, BOW TIES, NECKTIES. ADVANCE NECKWEAR CO., New York, N. Y.
Filed February 7, 1927. Serial No. 243,913. PUBLISHED APRIL 12, 1927.

229,278. LEATHER. BARNET LEATHER CO., INC., New York, N. Y.
Filed February 7, 1927. Serial No. 243,919. PUBLISHED APRIL 5, 1927.

229,279. WATERPROOF FABRIC AND WATERPROOF COTTON DUCK. WM. E. HOOPER & SONS CO., Baltimore, Md.
Filed February 7, 1927. Serial No. 243,945. PUBLISHED APRIL 5, 1927.

229,280. WATERPROOF FABRIC AND WATERPROOF COTTON DUCK. WM. E. HOOPER & SONS CO., Baltimore, Md.
Filed February 7, 1927. Serial No. 243,947. PUBLISHED APRIL 5, 1927.

229,281. WATERPROOF FABRIC AND WATERPROOF COTTON DUCK. WM. E. HOOPER & SONS CO., Baltimore, Md.
Filed February 7, 1927. Serial No. 243,948. PUBLISHED APRIL 5, 1927.

229,282. WOMEN'S AND MISSES' FUR COATS, SPRING COATS, FUR NECK PIECES, AND DRESSES. KEYSER & CO., New York, N. Y.
Filed February 7, 1927. Serial No. 243,951. PUBLISHED APRIL 5, 1927.

229,283. ASPHALT COMPOUND FOR COATING UNDERGROUND PIPES AND CONDUITS. PIONEER PAPER COMPANY, Los Angeles, Calif.
Filed February 7, 1927. Serial No. 243,965. PUBLISHED APRIL 12, 1927.

229,284. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INCORPORATED, Baltimore, Md.
Filed February 7, 1927. Serial No. 243,973. PUBLISHED APRIL 5, 1927.

229,285. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INCORPORATED, Baltimore, Md.
Filed February 7, 1927. Serial No. 243,975. PUBLISHED APRIL 12, 1927.

229,286. WOMEN'S AND MISSES' DRESSES. FRED R. WRIGHT, Charlotte, N. C.
Filed February 7, 1927. Serial No. 243,990. PUBLISHED APRIL 5, 1927.

229,287. DENTAL CREAM. COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y.
Filed February 8, 1927. Serial No. 244,001. PUBLISHED APRIL 12, 1927.

229,288. CHEESE. HULSEBERG & KRUDENER, INC., New York and Brooklyn, N. Y.
Filed February 8, 1927. Serial No. 244,012. PUBLISHED APRIL 5, 1927.

229,289. EFFERVESCENT PURGATIVE. RAMÓN LÓPEZ IRIZARRY, doing business as Laboratoire Chimique Supreme, Mayaguez, P. R.
Filed February 8, 1927. Serial No. 244,013. PUBLISHED APRIL 12, 1927.

229,290. READY-MIXED PAINT AND PASTE PAINT. VICTOR ENGINEERING CORPORATION, New York, N. Y.
Filed February 8, 1927. Serial No. 244,037. PUBLISHED APRIL 5, 1927.

229,291. CUTTING OILS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed February 15, 1927. Serial No. 244,401. PUBLISHED APRIL 5, 1927.

229,292. FUR FELT HATS, CLOTH HATS, AND CLOTH CAPS FOR MEN AND BOYS. GORDON & FERGUSON, INC., St. Paul, Minn.
Filed February 14, 1927. Serial No. 244,355. PUBLISHED APRIL 12, 1927.

229,293. PERFUMES. THE H. H. ERWIN CO., Philadelphia, Pa.
Filed February 14, 1927. Serial No. 244,350. PUBLISHED APRIL 12, 1927.

229,294. BRONCHIAL COUGH SIRUP. SIDNEY L. FULLER, Pittsburg, Tex.
Filed February 12, 1927. Serial No. 244,298. PUBLISHED APRIL 12, 1927.

229,295. PAINT PIGMENTS, PARTICULARLY ALUMINUM BRONZE POWDER. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed February 12, 1927. Serial No. 244,269. PUBLISHED MARCH 29, 1927.

229,296. PAINT PIGMENTS, PARTICULARLY ALUMINUM BRONZE POWDER. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed February 12, 1927. Serial No. 244,268. PUBLISHED MARCH 29, 1927.

229,297. SALT. INTERNATIONAL SALT COMPANY, INC., New York, N. Y.
Filed October 25, 1926. Serial No. 239,177. PUBLISHED DECEMBER 7, 1926.

229,298. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS, CONCENTRATES, AND SIRUPS FOR MAKING THE SAME. THE NU GRAPE COMPANY OF AMERICA, Atlanta, Ga.
Filed October 12, 1926. Serial No. 238,518. PUBLISHED APRIL 12, 1927.

229,299. CANDY. JUNIOR CANDY COMPANY, Milwaukee, Wis.
Filed October 11, 1926. Serial No. 238,441. PUBLISHED APRIL 12, 1927.

229,300. SWEATERS AND SWEAT SHIRTS. KENILWORTH MANUFACTURING CO. INC., New York, N. Y.
Filed October 1, 1926. Serial No. 238,019. PUBLISHED NOVEMBER 16, 1926.

229,301. GEAR GREASES, GEAR LUBRICANTS, AND MOTOR OILS. THE PHOENIX OIL CO., Cleveland, Ohio.
Filed September 29, 1926. Serial No. 237,919. PUBLISHED NOVEMBER 23, 1926.

229,302. GANNISTER. THOMAS E. GRAY & CO. LTD., London, England.
Filed September 27, 1926. Serial No. 237,805. PUBLISHED MARCH 29, 1927.

229,303. TEA. PEEK BROS. & WINCH, LIMITED, London, England.
Filed September 18, 1926. Serial No. 237,422. PUBLISHED APRIL 12, 1927.

229,304. COMPOSITE BOARD AND LUMBER. MACANDREWS & FORBES COMPANY, Camden, N. J., and New York, N. Y.
Filed September 17, 1926. Serial No. 237,376. PUBLISHED MARCH 29, 1927.

229,305. ASPHALT ROOFING IN ROLLS AND SHINGLES MADE FROM ASPHALT-ROOFING FABRIC. THE HYJO CO. (Not Inc.), Springfield, Ill.
Filed September 10, 1926. Serial No. 237,076. PUBLISHED MARCH 29, 1927.

229,306. INNER-TUBE REPAIR KITS. THE CEYLON RUBBER COMPANY, Dallas, Tex.
Filed September 13, 1926. Serial No. 237,148. PUBLISHED APRIL 12, 1927.

229,307. REPRODUCERS AND NEEDLES FOR TALKING MACHINES. EVERYBODY'S TALKING MACHINE COMPANY, INC., Philadelphia, Pa.
Filed January 12, 1927. Serial No. 242,716. PUBLISHED APRIL 5, 1927.

229,308. SPRINGS FOR TALKING MACHINES. EVERYBODY'S TALKING MACHINE COMPANY, INC., Philadelphia, Pa.
Filed January 12, 1927. Serial No. 242,715. PUBLISHED APRIL 5, 1927.

229,309. HAIRDRESSING, TOOTH WASH, AND PREPARATION FOR BEAUTIFYING THE COMPLEXION, FOR REMOVING TAN, SUNBURN, FRECKLES, REDNESS, AND ROUGHNESS OF THE SKIN, FOR PILES, INSECT BITES, AND FOR USE AFTER SHAVING. JOSEPH BURNETT COMPANY, Boston, Mass.
Filed January 12, 1927. Serial No. 242,706. PUBLISHED APRIL 12, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

229,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EADINGTON FRUIT COMPANY, Fullerton, Calif. Filed July 18, 1925. Serial No. 217,549.

SUPERIOR

Particular description of goods.—Fresh Citrus Fruit—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1900.

229,311. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN B. WATLING, doing business as Watling Scale Company, Chicago, Ill. Filed Dec. 2, 1925. Serial No. 224,120.

Watch Yur Wate

Particular description of goods.—Weighing Scales.
Claims use since Mar. 25, 1925.

229,312. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Dec. 8, 1925. Serial No. 224,441.

FURBAK

Particular description of goods.—Woolen Goods in the Piece.
Claims use since Nov. 24, 1925.

229,313. (CLASS 38. PRINTS AND PUBLICATIONS.) CARL DEMANGATE, doing business as Easy Music House, Schenectady, N. Y. Filed Apr. 6, 1926. Serial No. 229,727.

THIS IS AN EASY TO READ IN TIME TO MEMORIZE FINGERING KEY TO PLAY COMPOSITION

Particular description of goods.—Music in Sheet and Book Form.
Claims use since Mar. 30, 1926.

229,314. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM D. CARLIN, doing business as Sug. R. Mint Co., Memphis, Tenn. Filed Apr. 22, 1926. Serial No. 230,524.

Sug. R. Mint

Particular description of goods.—Laxative.
Claims use since December, 1925.

229,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURNHAM & MORRILL COMPANY, Portland, Me. Filed May 1, 1926. Serial No. 230,987.

MEXICANO

Particular description of goods.—Canned Vegetables.
Claims use since Dec. 31, 1925.

229,316. (CLASS 39. CLOTHING.) HERBERT FRIED, Richmond, Va. Filed May 15, 1926. Serial No. 231,665.

Herbert's

Particular description of goods.—Boots, Shoes, and Slippers Made of Leather or Fabric, and Hosiery.
Claims use since on or about Apr. 29, 1926.

229,317. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFONSO GIULIANI, Brooklyn, N. Y. Filed May 19, 1926. Serial No. 231,856.

GIULIAN'S

Particular description of goods.—Corn Cure.
Claims use since May 1, 1926.

229,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DUBOREL CORPORATION, Jersey City, N. J. Filed May 11, 1927. Serial No. 248,817.

ETHYL BORATE (DUNLOP)

Particular description of goods.—Mouth Wash.
Claims use since Mar. 1, 1926.

229,319. (CLASS 7. CORDAGE.) COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 3, 1927. Serial No. 248,349.

DOUBLE WEAR

Particular description of goods.—Rope, Cord, Twine, or Other Cordage of Paper or Vegetable Fiber.
Claims use since Feb. 24, 1926.

229,320. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE BELMONT PRODUCTS CO., Martins Ferry, Ohio. Filed Apr. 28, 1927. Serial No. 248,081.

Belmont

Particular description of goods.—A Malt Cereal Beverage.
Claims use since July 4, 1925.

229,321. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JANSEN & PRETZFELD, INC., New York, N. Y. Filed Apr. 16, 1927. Serial No. 247,542.

BALKAN SATIN

Particular description of goods.—Silk Piece Goods.
Claims use since November, 1917.

229,322. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACK BROS. & MCBURNEY CO., Brawley, Calif. Filed Apr. 4, 1927. Serial No. 246,905.

LONG GREEN

Particular description of goods.—Fresh Asparagus.
Claims use since 1916.

229,323. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) OVERLAND SHEET METAL & FURNACE COMPANY, Overland, Mo. Filed Apr. 7, 1927. Serial No. 247,096.

THE ST. LOUIS FURNACE

Particular description of goods.—Heating Furnaces Using Coal, Coke, Gas, Oil, and Wood as Fuel.
Claims use since March, 1924.

229,324. (CLASS 17. TOBACCO PRODUCTS.) CHRISTIAN PEPER TOBACCO CO., St. Louis, Mo. Filed Apr. 16, 1927. Serial No. 247,520.

Wellington

Particular description of goods.—Smoking Tobacco and Cigarettes.
Claims use since Apr. 28, 1913.

229,325. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STETTAUER, HARRIS & RAPHAEL, New York, N. Y. Filed Mar. 29, 1927. Serial No. 246,576.

SEVILLA

Particular description of goods.—Cotton Goods in the Piece.
Claims use since May, 1921.

229,326. (CLASS 37. PAPER AND STATIONERY.) THE CARTER'S INK COMPANY, Cambridge, Mass. Filed Mar. 31, 1927. Serial No. 246,664.

—CARTER'S—

Particular description of goods.—Fountain Pens and Pencils.
Claims use since Aug. 26, 1925.

229,327. (CLASS 15. OILS AND GREASES.) MID-WEST OIL COMPANY, Minneapolis, Minn. Filed Apr. 1, 1927. Serial No. 246,764.

WIL-FLO

Particular description of goods.—Petroleum Products—Namely, Gasoline, Kerosene, Fuel Oil, Petroleum Distillate, Lubricating Oils, and Greases.
Claims use since Jan. 15, 1926.

229,328. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RALPH E. FULTON, Lincoln, Nebr. Filed Mar. 25, 1927. Serial No. 246,342.

SURE STOP

Particular description of goods.—Devices for Preventing Leakage of Lubricants from Axle Housings of Automobiles.
Claims use since Mar. 28, 1925.

229,329. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CALHON COMPANY, Minneapolis, Minn. Filed Mar. 26, 1927. Serial No. 246,388.

Swedish WHITE

Particular description of goods.—Paints and Varnishes.
Claims use since May 5, 1925.

229,330. (CLASS 32. FURNITURE AND UPHOLSTERY.) MONROE GOLDMAN, doing business as Standard Specialty Co., New York, N. Y. Filed Oct. 26, 1926. Serial No. 239,243.

STANDARD

Particular description of goods.—Steel Office Furniture—Namely, Filing and Index Cabinets, Flat Top Desks, Closet Safes, Racks, Shelving, Clothes Lockers, Bookcases, Cupboards, Office Tables, Transfer Cases, and Wardrobes.
Claims use since Mar. 1, 1926.

229,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYAN FRUIT COMPANY, Seattle, Wash., and Los Angeles, Calif. Filed Dec. 23, 1926. Serial No. 241,903.

VINE-RIPE

Particular description of goods.—Fresh Cantaloupes, Fresh Melons, Fresh Tomatoes, and Fresh Berries.
Claims use since May 15, 1926.

229,332. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. PRIESTLEY & CO., INC., New York, N. Y. Filed Jan. 28, 1927. Serial No. 243,490.

Priestleys
ENGLISH CLOTH.

Particular description of goods.—Woolen, Worsted, Mohair, Cotton, Silk, and Rayon Piece Goods and Piece Goods Made of a Combination of Two or More of Those Fibers.
Claims use since on or about 1898.

229,333. (CLASS 31. FILTERS AND REFRIGERATORS.) BOSTON FILTER COMPANY, Chelsea, Mass. Filed Feb. 8, 1927. Serial No. 243,994.

BOSTON

Particular description of goods.—Filters and Purifiers and Coolers for Water and Other Liquids.
Claims use since about July, 1892.

229,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM RAIFORD EWING, Mountain View, Calif. Filed Mar. 14, 1927. Serial No. 245,702.

Ewing Minerals

Particular description of goods.—Mineral Substances Containing Calcium Carbonate, Calcium Phosphate, and Iodized Salt to be Used as a Mineral Supplement for Feeds Commonly Fed to Livestock and Poultry.
Claims use since Apr. 1, 1923.

229,335. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ALL RITE COMPANY, Rushville, Ind. Filed Mar. 25, 1927. Serial No. 246,323.

ALL RITE

Particular description of goods.—Electric Pressing Irons, Electric Soldering Irons, Electric Sandwich Machines, Electric Steam Tables.
Claims use since Feb. 1, 1922, on pressing irons; July 1, 1922, on soldering irons; Feb. 1, 1925, on sandwich machines; Mar. 1, 1926, on steam tables.

229,336. (CLASS 15. OILS AND GREASES.) MABEL K. BAKER, doing business as Colonial Candle Company of Cape Cod, Hyannis, Mass. Filed Mar. 25, 1927. Serial No. 246,328.

HANDIPT

Particular description of goods.—Candles.
Claims use since 1920.

229,337. (CLASS 37. PAPER AND STATIONERY.) ARVEY CORPORATION, Chicago, Ill. Filed Aug. 16, 1926. Serial No. 235,996.

"LOCKTITE"

Particular description of goods.—Display Easels and the Like Made of Paper or Cardboard or the Like as Well as Parts Thereof.
Claims use since Mar. 1, 1926.

229,338. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISCO CHEMICAL COMPANY, INC., Niagara Falls and New York, N. Y. Filed Aug. 24, 1926. Serial No. 236,375.

LARVACIDE

Particular description of goods.—Fumigants Intended for Use as an Exterminator of Bugs, Insects, Slugs, Larva, and Rodents.
Claims use since Feb. 23, 1926.

229,339. (CLASS 15. OILS AND GREASES.) PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed Oct. 22, 1926. Serial No. 239,046.

OZARK

Particular description of goods.—Lubricating Oils.
Claims use since Sept. 16, 1914.

229,340. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ZA-REX FOOD PRODUCTS, INC., Boston, Mass. Filed June 17, 1926. Serial No. 233,405.

Fruit CHAMPAGNE

Particular description of goods.—Nonalcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since January, 1926.

229,341. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING SELKOW, doing business as Washington Barber Supply Co., New York, N. Y. Filed July 21, 1926. Serial No. 234,874.

ORIS-ROOT

Particular description of goods.—Nail Polish.
Claims use since Jan. 1, 1925.

229,342. (CLASS 12. CONSTRUCTION MATERIALS.) MARBLEHEAD LIME COMPANY, Chicago, Ill. Filed July 24, 1926. Serial No. 235,063.

QUICKSET.

Particular description of goods.—Lime Plaster.
Claims use since Mar. 4, 1926.

229,343. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEDGERWOOD BROTHERS, Perry, Iowa. Filed July 26, 1926. Serial No. 235,148.

"WEATHER-SEAL"

Particular description of goods.—Ready-Mixed Paint.
Claims use since Mar. 1, 1926.

229,344. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio. Filed Apr. 1, 1926. Serial No. 229,510.

GoldSmith

Particular description of goods.—Balls—Namely, Baseballs, Indoor, Playground, Tennis, Field, Medicine, Golf, Basket, Volley, Soccer, Football and Cage Balls; Rubber Inflated Bladders, Indoor Baseball Bats, Striking Bags, Baseball Bases, Basket and Football Carriers, Basket-Ball Goals; Gloves—Namely, Fielders', Catcher Mitts, Baseman Mitts, Boxing, Hand, Striking Bat and Hockey; Dummy's Tackling and Releasing Attachment, Tennis-Racket Covers, Balls, Markers, Rackets, Presses, Nets, Tapes, Visors; Golf Clubs, Golf Balls, Golf Bags; Umpire Indicators, Leg Guards, Masks, Sliding Pads, Home and Pitchers' Plates for Baseball Fields; Body Protectors, Uniform Rolls, Anklet and Wrist Supporters, Shin Guards, Harness, Helmets, Tennis and Volley Ball Nets, Shoulder Pads, Knee Pads, Elbow Pads, Boxing Ear Protectors, Referees' Whistles, Playground Exercising Apparatus, Athletic Hammers for Throwing, Discuses, Athletic Shot, Sprint Laces, Vaulting Poles, Vaulting Boards, Vaulting and Juniper Standards, Take-Off Boards, Indian Clubs, Dumb-Bells, Referee Horns, Hurdles, and Hockey Sticks.

229,345. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RADIANT HEAT CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 16, 1926. Serial No. 230,313.

Sheetflame

Particular description of goods.—Gas Heaters.
Claims use since July 12, 1924.

229,346. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GARBIS BAKIRGIAN, Boston, Mass. Filed May 14, 1926. Serial No. 231,579.

STAMBOUL

Particular description of goods.—Phonograph and Talking Machine Records.
Claims use since May 1, 1926.

229,347. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) GEORGE KOLLSTEDE, Providence, R. I. Filed May 18, 1926. Serial No. 231,806.

Ribbon o' Gold

Particular description of goods.—Bracelets.
Claims use since on or about Apr. 26, 1926.

229,348. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KOMPACT PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 25, 1925. Serial No. 210,126.

KOMPACT
READY BUILT
FOUNTAIN

Particular description of goods.—Carbonators, Special Soda Fountains, and Fountain Equipment.
Claims use since April, 1922.

229,349. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL METAL MOLDING COMPANY, Pittsburgh, Pa. Filed Feb. 27, 1926. Serial No. 227,902.

NON-METALLIC CABLE
Loomwire

Particular description of goods.—Cables with Non-metallic Protective Covering for Concealed and Open Electric Wiring.
Claims use since Feb. 23, 1926.

229,350. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 27, 1924. Serial No. 207,321.

NATURAL

Particular description of goods.—Artificial Teeth.
Claims use since about January, 1920.

229,351. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DUDLEY WATCH COMPANY, Lancaster, Pa. Filed Mar. 3, 1923. Serial No. 176,886.

EMBLEM

Particular description of goods.—Watches and Clocks.
Claims use since Oct. 9, 1922.

229,352. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC OUTLET COMPANY, INC., New York, N. Y. Filed May 9, 1924. Serial No. 196,798.

Wirenuts

Particular description of goods.—Connectors for Electric Wiring.
Claims use since Mar. 27, 1924.

TRADE-MARK REGISTRATIONS RENEWED

29,989. INSULATING MATERIAL AND RUBBER SUBSTITUTE. Registered May 11, 1897. W. T. GLOVER & Co., Manchester and London, England. Renewed May 11, 1927, to W. T. Glover & Co., Ltd., Manchester, England, a Corporation of Great Britain, assignee.

30,022. BRANDY. Registered May 11, 1897. BISQUIT-DUBOUCHÉ & Co., Cognac, France. Renewed May 11, 1927, to Bisquit-Dubouché & Co., Jarnac, France.

30,046. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,047. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,048. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,049. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,050. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,051. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,052. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,053. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,054. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,055. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,056. SUGAR. Registered May 18, 1897. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 18, 1927.

30,113. SALVES. Registered June 1, 1897. BICKMORE GALL CURE COMPANY. Renewed June 1, 1927, to The Bickmore Company, Old Town, Me., a Corporation of Maine, assignee.

30,120. HAMS, BACON, AND SHOULDERS. Registered June 1, 1897. JOHN MORRELL & CO. LTD. Renewed June 1, 1927, to John Morrell & Co., Ottumwa, Iowa, a Corporation of Maine, assignee.

30,214. COMPRESSED CARBONIC-ACID GAS. Registered June 15, 1897. AERATOR'S LIMITED, London, England, and New York, N. Y. Renewed June 15, 1927, to Sparklets, Incorporated, New York, N. Y., a Corporation of New Jersey, assignee.

30,241. BRANDY. Registered June 22, 1897. BISQUIT, DUBOUCHÉ & Co., Cognac, France. Renewed June 22, 1927, to Bisquit, Dubouché & Co., Jarnac, France.

30,394. HYDRAULIC HOSE. Registered July 20, 1897. EUREKA FIRE HOSE COMPANY, New York, N. Y. Renewed July 20, 1927, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

30,474. MAILING CASES. Registered August 3, 1897. IMPROVED MAILING CASE CO. Renewed August 3, 1927, to Joseph M. Price, New York, N. Y., assignee.

30,595. MEDICINAL PLASTERS. Registered September 28, 1897. NAPOLEON C. BECKER. Renewed September 28, 1927, to Walter J. Becker, doing business as Becker's Drug Store, Amsterdam, N. Y., successor.

30,599. MISCELLANEOUS STATIONERY. Registered October 5, 1897. TIFFANY & COMPANY, New York, N. Y., a Corporation of New York. Renewed October 5, 1927.

30,691. SILVER-PLATED FLATWARE. Registered October 19, 1897. R. WALLACE & SONS MFG. CO., Wallingford, Conn., a Corporation of Connecticut. Renewed October 19, 1927.

30,695. SUPPORTERS. Registered October 19, 1897. THE HASTINGS & MCINTOSH TRUSS COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed October 19, 1927.

30,703. CACHOUS. Registered October 19, 1897. T. B. DUNN COMPANY, Rochester, N. Y. Renewed October 19, 1927, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey, assignee.

30,744. WHEAT FLOUR. Registered October 26, 1897. MOSELEY & MOTLEY MILLING CO., Rochester, N. Y., a Corporation of New York. Renewed October 26, 1927.

30,815. CHEWING GUM. Registered November 9, 1897. T. B. DUNN CO., Rochester, N. Y. Renewed November 9, 1927, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey, assignee.

30,819. CERTAIN NAMED CANNED GOODS OR ARTICLES. Registered November 9, 1897. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 9, 1927.

30,835. AXES. Registered November 9, 1897. KELLY AXE MANUFACTURING CO., Alexandria, Ind., and New York, N. Y. Renewed November 9, 1927, to Kelly Axe & Tool Co., Charleston, W. Va., a Corporation of West Virginia, successor.

55,682. AN OINTMENT. Registered August 21, 1906. GOOD SAMARITAN OINTMENT COMPANY, Camden, N. J. Renewed August 21, 1926, to Good Samaritan Ointment Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

62,424. GASOLINE, ILLUMINATING OILS, LUBRICATING OILS, AND GREASES. Registered May 7, 1907. SAMUEL M. WILLOCK. Renewed May 7, 1927, to Waverly Oil Works Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

62,425. LUBRICATING OILS. Registered May 7, 1907. SAMUEL M. WILLOCK. Renewed May 7, 1927, to Waverly Oil Works Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

62,426. ILLUMINATING OILS. Registered May 7, 1907. SAMUEL M. WILLOCK. Renewed May 7, 1927, to Waverly Oil Works Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

62,464. CANDY, CHOCOLATE, COCOA, CHEWING GUM, AND BONBONS. Registered May 7, 1907. STOLLWERCK BROS., New York, N. Y. Renewed May 7, 1927, to The Stollwerck Chocolate Company, Stamford, Conn., a Corporation of Massachusetts, assignee by mesne assignments.

62,471. CANNED FRUITS AND VEGETABLES. Registered May 7, 1907. J. F. HUMPHREYS & Co., Bloomington, Ill., a Corporation of Illinois. Renewed May 7, 1927.

62,484. CANNED FRUITS AND VEGETABLES. Registered May 7, 1907. J. F. HUMPHREYS & Co., Bloomington, Ill., a Corporation of Illinois. Renewed May 7, 1927.

62,495. STOVE POLISH. Registered May 7, 1907. HENRY C. BOMHARD, doing business as Crow Stove Polish Company, Milwaukee, Wis. Renewed May 7, 1927.

62,536. BOOKCASES AND PARTS THEREOF. Registered May 14, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed May 14, 1907, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

62,597. PLOWS, CULTIVATORS, AND STOCK PARTS OR SHAPES THEREFOR. Registered May 14, 1907. STAR MANUFACTURING COMPANY, Carpentersville, Ill., a Corporation of Illinois. Renewed May 14, 1927.

62,744. SHOES CONSTRUCTED OF LEATHER OR PARTIALLY OF LEATHER. Registered May 21, 1907. SYLVAN DALSIMER. Renewed May 21, 1927, to S. Dalsimer and Sons, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

62,745. PNEUMATIC-CUSHION AND SOLID-RUBBER AUTOMOBILE AND VEHICLE TIRES. Registered May 21, 1907. THE DIAMOND RUBBER CO. Renewed May 21, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

62,907. DRY BATTERIES. Registered May 28, 1907. MANHATTAN ELECTRICAL SUPPLY COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 28, 1927, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

62,908. DRY BATTERIES. Registered May 28, 1907. MANHATTAN ELECTRICAL SUPPLY COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 28, 1927, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

63,081. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,083. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,102. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,103. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,128. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,155. CANNED FISH. Registered June 11, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 11, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,156. CANNED FISH. Registered June 11, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 11, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,157. CANNED FISH. Registered June 11, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 11, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,158. CANNED FISH. Registered June 11, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 11, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,197. DOCUMENT FILES. Registered June 11, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed June 11, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,200. CANNED FISH. Registered June 11, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 11, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,230. BOOKCASES, FILING CABINETS, DOCUMENT BOXES, CUPBOARDS, AND WARDROBES. Registered June 11, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed June 11, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,305. CERTAIN RUBBER ARTICLES. Registered June 11, 1907. CONTINENTAL-CAOUTCHOUC- UND GUTTA-PERCHA-COMPAGNIE, Hanover, Germany, a Corporation of Germany. Renewed June 11, 1927.

63,335. STOVES AND RANGES. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 18, 1927.

63,387. BALL-BEARING CASTERS. Registered June 18, 1907. ACME BALL-BEARING COMPANY, Chappaqua, N. Y. Renewed June 18, 1927, to The Schatz Manufacturing Co., Poughkeepsie, N. Y., a Corporation of New York, assignee.

63,395. CERTAIN CUTLERY AND EDGE TOOLS. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 18, 1927.

63,396. HAMMERS, SCREW DRIVERS, AND SHOVELS. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 18, 1927.

63,397. CERTAIN LAUNDRY APPLIANCES AND MACHINES. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 18, 1927.

63,398. SEWING MACHINES. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 18, 1927.

63,441. CERTAIN FURNITURE. Registered June 18, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed June 18, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,442. CERTAIN FURNITURE. Registered June 18, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed June 18, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,443. DOCUMENT FILES AND DESK PADS. Registered June 18, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed June 18, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,461. CANNED FISH. Registered June 18, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 18, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,499. CERTAIN METAL GOODS. Registered June 25, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 25, 1927.

63,500. LAWN MOWERS. Registered June 25, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed June 25, 1927.

63,534. CANNED FISH. Registered June 25, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 25, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,535. CANNED FISH. Registered June 25, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 25, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,595. REMEDIES FOR DISEASES OF WOMEN. Registered June 25, 1907. HARTLAND LAW, HERBERT E. LAW. Renewed June 25, 1927, to The Vlavi Company, San Francisco, Calif., a Corporation of California, assignee.

63,650. A CURATIVE SERUM FOR THE PREVENTION OF HAY FEVER. Registered July 2, 1907. SERUM LABORATORIUM RUETE ENOCH, Hamburg, Germany. Renewed July 2, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,706. DOCUMENT FILES. Registered July 2, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed July 2, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,724. CERTAIN ARTICLES OF STATIONERY. Registered July 2, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed July 2, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,725. CERTAIN ARTICLES OF STATIONERY. Registered July 2, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed July 2, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,726. CERTAIN ARTICLES OF STATIONERY. Registered July 2, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed July 2, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

63,778. COAL-TAR COLORS INCLUDING ARTIFICIAL INDIGO. Registered July 9, 1907. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-the-Main, Germany. Renewed July 9, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,782. CERTAIN CLOTHING. Registered July 9, 1907. LAWTON & HALL, Chicago, Ill. Renewed July 9, 1927, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

63,835. COTTON SHEETING. Registered July 9, 1907. NAUMKEAG STEAM COTTON CO., Salem, Mass., a Corporation of Massachusetts. Renewed July 9, 1927.

63,853. INSULATED ELECTRIC WIRE AND CABLES. Registered July 9, 1907. JOHN A. ROEBLINGS SONS COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed July 9, 1927.

63,859. SHEETINGS, SHIRTINGS, DRILLINGS, AND OSNABURGS. Registered July 9, 1907. MINOT, HOOPER & Co., New York, N. Y. Renewed July 9, 1927.

63,874. PREPARED LINSEED OIL. Registered July 9, 1907. THE GLIDDEN VARNISH COMPANY. Renewed July 9, 1927, to The Glidden Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

63,910. LIQUID PREPARATIONS FOR SOLDERING AND COATING METALS. Registered July 16, 1907. KÜPPER'S METALLWERKE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Bonn-on-the-Rhine, Germany. Renewed July 16, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

64,436. OVERCOATS, COATS, VESTS, PANTS, AND OVERALLS. Registered August 6, 1907. AUSTIN CLOTHING COMPANY, Memphis, Tenn., a Corporation of Tennessee. Renewed August 6, 1927.

64,460. SALVES. Registered August 6, 1907. H. E. BUCKLEN & COMPANY, Chicago, Ill. Renewed August 6, 1927, to H. E. Bucklen & Company, New York, N. Y., a Corporation of Illinois.

64,465. MEDICATED WINES. Registered August 6, 1907. HENRY SOLOMON WELLCOME, London, England. Renewed August 6, 1927, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a Corporation of New York, assignee.

64,493. DOCUMENT FILES. Registered August 13, 1907. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio. Renewed August 13, 1927, to The Globe-Wernicke Co., Norwood, Ohio, a Corporation of Ohio.

64,816. CHEWING GUM. Registered August 20, 1907. WM. WRIGLEY JR. COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 20, 1927.

64,866. GIN. Registered August 27, 1907. TANQUERAY, GORDON & CO. LIMITED. Renewed August 27, 1927, to Tanqueray, Gordon & Co. Limited, London, England, a Limited-Liability Company of Great Britain, assignee by mesne assignments.

64,980. ELECTRIC TESTING APPARATUS. Registered September 3, 1907. EVERSHED & VIGNOLES LTD., London, England, a Corporation of Great Britain and Ireland. Renewed September 3, 1927.

64,985. CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered September 3, 1907. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a Corporation of Ohio. Renewed September 3, 1927.

65,000. BELTING. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,001. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,002. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,011. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,012. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,013. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,014. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,015. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,077. GIN AND CORDIALS. Registered September 3, 1907. TANQUERAY, GORDON & CO. LIMITED. Renewed September 3, 1927, to Tanqueray, Gordon & Co. Limited, London, England, a Limited Liability Company of Great Britain, assignee by mesne assignments.

65,098. CERTAIN CLOTHING. Registered September 10, 1907. INTER-STATE RUBBER COMPANY, Omaha, Nebr. Renewed September 10, 1927, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

65,200. FLOOR, HOUSE, AND BARN PAINTS AND VARNISHES. Registered September 10, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a Corporation of Maine. Renewed September 10, 1927.

65,274. SILK DRESS GOODS. Registered September 17, 1907. FRIED. MENDELSON & Co., New York, N. Y., a Corporation of New York. Renewed September 17, 1927.

65,330. PRESSURE GAUGES, VACUUM GAUGES, REVOLUTION COUNTERS, AND STROKE COUNTERS. Registered September 17, 1907. THE ASHTON VALVE COMPANY, Boston, Mass. Renewed September 17, 1927, to The Ashton Valve Company, Cambridge, Mass., a Corporation of Massachusetts, assignee.

65,337. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered September 17, 1907. PHILADELPHIA WATCH CASE CO. Renewed September 17, 1927, to The Keystone Watch Case Company, Riverside, N. J., a Corporation of Pennsylvania, assignee.

65,425. SYRINGES. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,426. SYRINGES. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,439. KNITTED FABRIC AND KNITTED UNDERWEAR, SWEATERS, SHIRTS, AND JACKETS. Registered September 24, 1907. FULD & HATCH KNITTING COMPANY, Albany, N. Y., a Corporation of New York. Renewed September 24, 1927.

65,453. WOVEN COTTON PLAIDS. Registered September 24, 1907. NEUSS HESSLEIN & CO. Renewed September 24, 1927, to Neuss, Hesslein & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

65,468. VALVES. Registered October 8, 1907. THE ASHTON VALVE COMPANY, Boston, Mass. Renewed October 8, 1927, to The Ashton Valve Company, Cambridge, Mass., a Corporation of Massachusetts, assignee.

65,496. CERTAIN PAPER. Registered October 8, 1907. MITTINEAGUE PAPER COMPANY, West Springfield, Mass. Renewed October 8, 1927, to Strathmore Paper Company, Mittineague, Mass., a Corporation of Massachusetts, assignee.

65,554. A REMEDY FOR CATARRH, HAY FEVER, AND COLDS IN THE HEAD. Registered October 8, 1907. HAKKA CHEMICAL COMPANY, Boston, Mass. Renewed October 8, 1927, to The Bovinine Company, New York, N. Y., a Corporation of New York, assignee.

65,566. CERTAIN BRUSHES AND BROOMS. Registered October 8, 1907. LORD & TAYLOR, New York, N. Y., a Corporation of New York. Renewed October 8, 1927.

65,595. COTTON PIECE GOODS AND BLANKETS. Registered October 8, 1907. JACKSON COMPANY. Renewed October 8, 1927, to Nashua Manufg. Company, Nashua, N. H., a Corporation of New Hampshire, assignee.

65,677. CERTAIN JEWELRY. Registered October 15, 1907. JONAS KOCH, New York, N. Y. Renewed October 15, 1927.

65,691. INSULATING PAINT. Registered October 15, 1907. TOCH BROTHERS. Renewed October 15, 1927, to Toch Brothers, Inc., New York, N. Y., a Corporation of New York, assignee.

65,745. AN ANTISEPTIC COMPOUND. Registered October 22, 1907. VOIGT & CO. Renewed October 22, 1927, to Voigt & Co., Chattanooga, Tenn., a Corporation of Tennessee, assignee.

65,760. SOAP. Registered October 22, 1907. ROBINSON BROS. & COMPANY INCORPORATED, Portland, Me., and Malden, Mass. Renewed October 22, 1927, to Robinson Bros. & Company Incorporated, Malden, Mass., a Corporation of Maine.

65,877. SMOKING TOBACCO, CIGARS, CIGARETTES, AND SNUFF. Registered October 29, 1907, to NEW FIRM DE ERVEN DE WED. J. VAN NELLE, assignee of De Erven De Wed. J. Van Nelle. Renewed October 29, 1927, to De Erven de Wed. J. van Nelle, Rotterdam, Netherlands, successor.

65,887. ROUGH AND DRESSED LUMBER. Registered October 29, 1907. J. M. CARD LUMBER CO., Chattanooga, Tenn., a Corporation of Tennessee. Renewed October 29, 1927.

65,917. CANNED FRUITS AND VEGETABLES. Registered October 29, 1907. WARFIELD-PRATT HOWELL COMPANY, Sioux City, Des Moines, and Cedar Rapids, Iowa. Renewed October 29, 1927, to Warfield-Pratt-Howell Company, Des Moines, Iowa, a Corporation of Iowa.

65,935. RUBBER MILL MACHINERY. Registered October 29, 1907. BIRMINGHAM IRON FOUNDRY, Derby, Conn., a Corporation of Connecticut. Renewed October 29, 1927.

65,965. COUGH REMEDIES. Registered November 5, 1907. EGBERT J. SORMANI, Brooklyn, N. Y. Renewed November 5, 1927.

66,019. SPOOL COTTON OR SEWING THREAD. Registered November 5, 1907. BLODGETT & ORSWELL CO., Pawtucket, R. I., a Corporation of Rhode Island. Renewed November 5, 1927.

66,059. CANNED FRUITS AND VEGETABLES. Registered November 5, 1907. H. P. TAYLOR, Jr., Richmond, Va. Renewed November 5, 1927.

66,084. TYPEWRITER RIBBONS AND TYPEWRITER CARBON PAPER. Registered November 5, 1907. THE MONARCH TYPEWRITER COMPANY, Syracuse, N. Y. Renewed November 5, 1927, to Remington Typewriter Company, Ilion and New York, N. Y., a Corporation of New York, assignee.

66,120. MANGLES. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,121. CLOTHES WRINGERS AND MANGLES. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,122. BENCH WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,123. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,124. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,125. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,126. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,127. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,128. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,129. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,130. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,131. CLOTHES WRINGERS. Registered November 12, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 12, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,143. SMOKING AND CHEWING TOBACCO. Registered November 12, 1907. PENN TOBACCO COMPANY, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Renewed November 12, 1927.

66,156. A NEWSPAPER. Registered November 12, 1907. WILLIAM RANDOLPH HEARST, New York, N. Y. Renewed November 12, 1927.

66,157. A NEWSPAPER. Registered November 12, 1907. WILLIAM RANDOLPH HEARST, New York, N. Y. Renewed November 12, 1927.

66,160. CERTAIN CLOTHING. Registered November 12, 1907. MENDEL, WEINSTOCK & COMPANY. Renewed November 12, 1927, to Hibbs-Kiefer Hat Co. Inc., Louisville, Ky., a Corporation of Kentucky, assignee.

LABELS

REGISTERED JUNE 21, 1927.

32,301.—*Title:* GIBSON. For Cigars. B. F. ADAMS, Bangor, Me. Published April 25, 1927.

32,302.—*Title:* HY-PHEN. For Medicine for Headache, Neuralgia, Rheumatism, Lumbago, Sciatica, and Periodic Pains. THOS. W. BRADLEY, doing business as Bradley's Laboratory, Matoaka, W. Va. Published May 2, 1927.

32,303.—*Title:* SANITARY WRAPPER. For Milk. BENJAMIN DO BROCKY, Tampa, Fla. Published April 22, 1927.

32,304.—*Title:* M—23. For Cigars. CHAS. F. CARPENTER, Jonesville, Mich. Published March 2, 1927.

32,305.—*Title:* ADANAC. For Medicinal Compound. DAVID SUTHERLAND CRAIG, Vancouver, British Columbia, Canada. Published April 12, 1927.

32,306.—*Title:* PORTOVAULT CONTAINER. For Steel Vaults or Boxes. DAY & MEYER, MURRAY & YOUNG, INC., New York, N. Y. Published May 8, 1927.

32,307.—*Title:* CHANTICLEER. For Fresh Oranges. EAST HIGHLANDS CITRUS ASSN., East Highlands, Calif. Published April 8, 1927.

32,308.—*Title:* FARGO. For Coffee. J. T. FARGASON GROCER CO., Memphis, Tenn. Published April 1, 1927.

32,309.—*Title:* JAY-TEE. For Coffee. J. T. FARGASON GROCER CO., Memphis, Tenn. Published April 1, 1927.

32,310.—*Title:* KNIGHT KRAFT. For Athletic Underwear. GOLDSTEIN-KIRSHNER CO., New York, N. Y. Published February 4, 1927.

32,311.—*Title:* GRASSELLI PLANT FOOD. For Plant Foods and Fertilizers. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Published May 18, 1927.

32,312.—*Title:* SILVERTOWN MALT EXTRACT. For Malt Extracts for Food Purposes. FRANCIS DEL GRECO, doing business as Frank's Cut Rate Stores, Akron, Ohio. Published May 15, 1926.

32,313.—*Title:* DIXIE BARBECUE SAUCE. For Sauce. ARTHUR L. HAGLOCK, Rockford, Ill. Published March 28, 1927.

32,314.—*Title:* HERTZOG'S GANDER. For Cigars. FRANKLIN G. HERTZOG, Arlington Heights, Ill. Published April 22, 1927.

32,315.—*Title:* GOLDEN PHEASANT. For Sweet Pickles. LEO J. JUENEMANN, doing business as Golden State Pickle Co., Los Angeles, Calif. Published February 1, 1926.

32,316.—*Title:* IMPERIAL CLUB. For Sausage. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published March 22, 1927.

32,317.—*Title:* IMPERIAL CLUB. For Lard. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published March 21, 1927.

32,318.—*Title:* IMPERIAL CLUB. For Bacon. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published March 23, 1927.

32,319.—*Title:* IMPERIAL CLUB. For Ham. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published March 24, 1927.

32,320.—*Title:* KARASICK'S BRONC-ASMA. For a Remedy for Bronchitis and Bronchial Asthma. HARRY KARASICK, Chicago, Ill. Published December 29, 1926.

32,321.—*Title:* KING'S. For Vanilla Extract. KING EXTRACT CO., San Francisco, Calif. Published February 5, 1927.

32,322.—*Title:* HAIRAIDE HAIR TONIC AND DRESSING. For Medicinal Preparation for the Hair. IRVING MCEWEN, Omaha, Nebr. Published March 19, 1927.

32,323.—*Title:* CAMP-FIRE. For Malt Sirup. HERMAN MESSERSCHMIDT, doing business as Schmidt Products Company, Detroit, Mich. Published April 15, 1927.

32,324.—*Title:* FLY DED. For Insect Exterminator. Midway Chemical Company, Chicago, Ill. Published December 1, 1926.

32,325.—*Title:* HALL'S FLORETTE ASSORTED CHOCOLATES. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published May 20, 1927.

32,326.—*Title:* NAMCO BABY CLAMS. For Canned Baby Clams. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Published April 22, 1927.

32,327.—*Title:* NORTHMONT SILK STOCKINGS. For Silk Stockings for Men and Women. NORTHMONT HOSIERY CORPORATION, Reading, Pa. Published May 9, 1927.

32,328.—*Title:* RADIUM-SOL. For Internal Remedy, Gland Activator, and Oxygenizer of the Blood, Containing Nonequilibrated Radium in Solution. RADIUM RESEARCH FOUNDATION, Los Angeles, Calif. Published March 28, 1927.

32,329.—*Title:* PARFUM LILY DE JAPON. For Perfume. CHAS. A. RAHAYEL, doing business as Rahayel Freres, Brooklyn, N. Y. Published March 1, 1927.

32,330.—*Title:* JUST RIGHT. For Malt Sirup. RODS BROS., Philadelphia, Pa. Published April 27, 1927.

32,331.—*Title:* DO-LITTLE-TABLETS. For Tablets Composed of Malt and Sugar. LOUIS SCHLOSSER, doing business as L. Schlosser & Co., Chicago, Ill. Published May 12, 1927.

32,332.—*Title:* SHINE-ON. For a Liquid for Cleaning Glass. THE SHINE-ON COMPANY, Allston, Mass. Published March 1, 1927.

32,333.—*Title:* A SULCO PRODUCT. For Cement Mixing Compounds and Technical Products. THE SULLIVAN COMPANY, Memphis, Tenn. Published March 26, 1927.

32,334.—*Title:* DOUGHNUTISTS. For Doughnuts. TASTE-T FOODS, INC., Boston, Mass. Published April 13, 1927.

32,335.—*Title:* 'TASTE-T' FOODS. For 'Taste-T' Foods. TASTE-T FOODS, INC., Boston, Mass. Published April 13, 1927.

32,336.—*Title:* PIERRETTE. For Candy Bars. ALICE THIVIERGE, Saco, Me. Published Mar. 15, 1927.

32,337.—*Title:* WAX-OLA. For Pure Liquid Wax. WAX-OLA M'F'G. CO., Muncie, Ind. Published April 4, 1927.

32,338.—*Title:* 5TH AVENUE COFFEE. For Coffee. YOUNG & GRIFFIN COFFEE CO., INC., New York, N. Y. Published April 5, 1927.

PRINTS

REGISTERED JUNE 21, 1927.

9,961.—*Title:* BLUE BAND VELVET PENCILS NO. 141. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published April 26, 1927.

9,962.—*Title:* UNIQUE THIN LEAD COLORED PENCILS C-66. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published May 11, 1927.

9,963.—*Title:* R-COAL IS GENUINE. For Coal. JAMES C. BERANEK, doing business as Douglas Coal Company, Chicago, Ill. Published April 10, 1927.

9,964.—*Title:* LASTING FLOOR BEAUTY SEALED IN BY THE OLD ENGLISH WAX FILM. For Old English Liquid Wax. THE A. S. BOYLE COMPANY, Cincinnati, Ohio. Published January 20, 1927.

9,965.—*Title:* EVER REALIZE THE TRUST YOU PUT IN AN UNDERWEAR LABEL? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1927.

9,966.—*Title:* AUTHORIZED SERVICE. For Surgical Supports. S. H. CAMP, doing business as S. H. Camp & Company, Jackson, Mich. Published March 25, 1927.

9,967.—*Title:* YOU EXPECT GREAT THINGS OF HIM. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 10, 1927.

9,968.—*Title:* NOW HE MUST LEARN TO HANDLE SOLID FOOD. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 20, 1927.

9,969.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. THE D & C CO., INC., Wilmington, Del., and Brooklyn, N. Y. Published April 24, 1927.

9,970.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. THE D & C CO., INC., Wilmington, Del., and Brooklyn, N. Y. Published May 8, 1927.

9,971.—*Title:* KAKTUS KID. For Blow-Out Boots for Tires. CHAUNCEY J. EVANS, doing business as Cactus Mfg. Co., Los Angeles, Calif. Published March 1, 1926.

9,972.—*Title:* YOU MAIL THE TAG—WE'LL MAIL THE BAG. For Livestock Mineral Feeds. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Published April 1, 1927.

9,973.—*Title:* GUARANTEED FOR THE LIFE OF THE MOTOR. For Piston Rings. RICHMOND PISTON RING COMPANY, Richmond, Ind. Published April 1, 1927.

9,974.—*Title:* SELL FLIT NOW FOR MOTHS. For Insecticide. STANCO DISTRIBUTORS, INCORPORATED, Wilmington, Del. Published April 1, 1927.

9,975.—*Title:* FLIT 50. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published October 25, 1926.

9,976.—*Title:* FLIT 45. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published October 25, 1926.

9,977.—*Title:* FLIT 46. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published October 25, 1926.

9,978.—*Title:* FLIT 49. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published October 25, 1926.

9,979.—*Title:* FLIT 47. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published October 25, 1926.

9,980.—*Title:* FLIT 48. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published October 25, 1926.

9,981.—*Title:* THE NEW TREATMENT FOR COUGHS AND COLDS MISTOL. For Nose and Throat Spray. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published March 1, 1927.

9,982.—*Title:* ARCHITECT'S NOTATION BLANK. For Metal Columns. THE UNION METAL MANUFACTURING COMPANY, Canton, Ohio. Published April 13, 1927.

9,983.—*Title:* WAX-OLA. For Pure Liquid Wax. WAX-OLA M'F'G. CO., Muncie, Ind. Published April 4, 1927.

9,984.—*Title:* OLD CUTTER WHISKIES. For Whiskies. THE WHEELER COMPANY, INCORPORATED, Louisville, Ky. Published December 1, 1926.

REISSUES

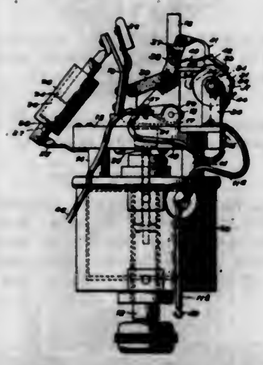
JUNE 21, 1927.

16,660. FASTENING DEVICE. DANIEL I. REITER, New York, N. Y. Filed Apr. 29, 1927. Serial No. 187,693. Original No. 1,619,764, dated Mar. 1, 1927, Serial No. 129,535, filed Aug. 16, 1926. 8 Claims. (Cl. 24—152.)



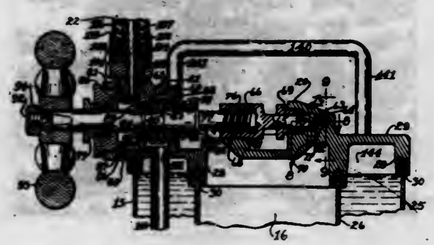
5. A fastening device of the class described including a spear portion adapted to penetrate and lie behind a piece of fabric to which the fastener is to be attached, a plate portion connected to the unpointed end of the spear, and a separable fastener element carried by the plate portion, said plate portion adapted to overlie the outer face of the fabric, and a spur element associated with the plate portion for penetrating the fabric and coacting with the spear to prevent twisting or slipping of the plate, said spear serving as an anvil to guide the bending of the spur.

16,661. CIRCUIT-RESTORING RELAY. CHARLES W. KAUTZ, Jr., Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 30, 1923. Serial No. 615,956. Original No. 1,375,518, dated Apr. 19, 1921, Serial No. 273,346, filed Jan. 27, 1919. 16 Claims. (Cl. 175—294.)



1. A circuit restoring device having switch contacts, a coil adapted when energized to close the contacts, and means in series with the coil and actuated by one of the contacts for permitting a predetermined number of actuations of the device.

16,662. CHEMICAL FIRE EXTINGUISHER. ALBERT B. PHISTER, Fort Thomas, Ky., assignor to The Phister Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 7, 1927. Serial No. 166,578. Original No. 1,606,443, dated Nov. 9, 1926, Serial No. 502,704, filed Sept. 28, 1921. 28 Claims. (Cl. 299—96.)



1. In a fire-extinguisher, a liquid-chamber adapted to be supplied with liquid, an air-chamber, means for charging said air-chamber with compressed gas, a needle-valve for controlling the passage of compressed gas from said air-chamber into said liquid-chamber whereby said liquid is forced therefrom, and means operatively connected with said needle-valve to control the discharge of liquid from said liquid-chamber, common operating means for said needle-valve and said liquid control means, the operative connection between said needle-valve and said liquid control means being so constructed that upon actuation of said common operating means said needle-valve and liquid control means are moved in opposite directions.

28. In a fire-extinguisher, a liquid-chamber, a pressure-chamber, a common head for said chambers having therein a service air-duct from pressure-chamber to liquid-chamber and a service liquid-duct serving as an outlet from said liquid-chamber, a valve-shaft journalled in said head, co-axial service-valves guarding said service ducts and having connections with said valve-shaft for effecting relative longitudinal shifting of said service-valves, and an operating wheel on said shaft.

DESIGNS

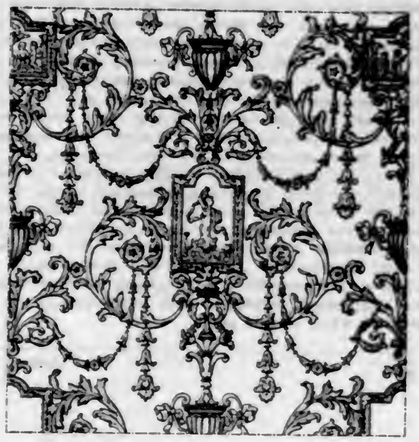
JUNE 21, 1927.

72,878. WALL PAPER OR SIMILAR ARTICLE. HARRY T. ABOLIN, Woodridge, N. J., assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J., a Corporation of New Jersey. Filed Apr. 7, 1926. Serial No. 17,207. Term of patent 3½ years.



The ornamental design for a wall paper or similar article as shown.

72,879. WALL PAPER OR SIMILAR ARTICLE. HARRY T. ABOLIN, Woodridge, N. J., assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J., a Corporation of New Jersey. Filed Apr. 7, 1926. Serial No. 17,208. Term of patent 3½ years.



The ornamental design for a wall paper or similar article as shown.

72,880. ROAD SIGN. DON M. ALEXANDER, Denver, Colo. Filed Dec. 31, 1926. Serial No. 20,253. Term of patent 7 years.



The ornamental design for a road sign as shown.

72,881. SIDE PANEL FOR METAL DISHES OR SIMILAR ARTICLES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 23, 1927. Serial No. 21,265. Term of patent 7 years.



The ornamental design for a side panel for metal dishes or similar articles, substantially as shown.

72,882. SIDE PANEL FOR METAL DISHES OR SIMILAR ARTICLES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 23, 1927. Serial No. 21,266. Term of patent 7 years.



The ornamental design for a side panel for metal dishes or similar articles, substantially as shown.

72,883. BASE FOR METAL BOWLS OR SIMILAR ARTICLES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 23, 1927. Serial No. 21,267. Term of patent 7 years.



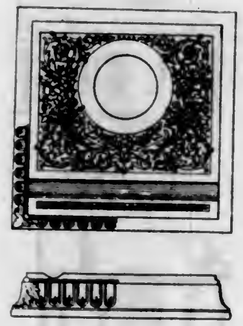
The ornamental design for a base for metal bowls or similar articles, substantially as shown.

72,884. BORDER PANEL FOR METAL DISHES OR SIMILAR ARTICLES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 23, 1927. Serial No. 21,268. Term of patent 7 years.



The ornamental design for a border panel for metal dishes or similar articles, substantially as shown.

72,885. BASE FOR A FOUNTAIN-PEN HOLDER. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Apr. 7, 1927. Serial No. 21,499. Term of patent 14 years.



The ornamental design for a base for a fountain pen holder as shown.

72,886. BASE FOR A FOUNTAIN-PEN HOLDER. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Apr. 7, 1927. Serial No. 21,498. Term of patent 14 years.



The ornamental design for a base for a fountain pen holder as shown.

72,887. ATOMIZER. RUBY T. BREWSTER, New York, N. Y. Filed Apr. 22, 1927. Serial No. 21,681. Term of patent 3½ years.



The ornamental design for an atomizer, as shown.

72,888. ATOMIZER. RUBY T. BREWSTER, New York, N. Y. Filed Apr. 22, 1927. Serial No. 21,682. Term of patent 3½ years.



The ornamental design for an atomizer, as shown.

72,889. BOTTLE OR SIMILAR CONTAINER. RUBY T. BREWSTER, New York, N. Y. Filed Apr. 6, 1927. Serial No. 21,488. Term of patent 3½ years.



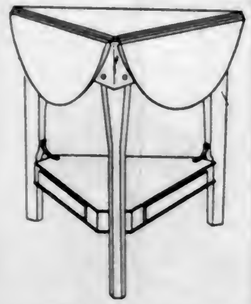
The ornamental design for a bottle or similar container, as shown.

72,890. JEWELRY CLASP. ARTHUR C. BROWN, Newark, N. J. Filed Mar. 22, 1927. Serial No. 21,250. Term of patent 3½ years.



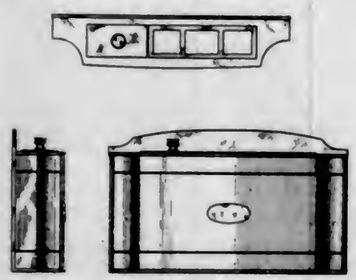
The ornamental design for a jewelry clasp, as shown.

72,891. TABLE. DANIEL CRANE, Saginaw, Mich., assignor of one-half to James Gibson Crane, Kendaia, N. Y. Filed Mar. 29, 1926. Serial No. 17,108. Term of patent 7 years.



The ornamental design for a table as shown.

72,892. WALL POCKET OR SIMILAR ARTICLE. RUDOLPH DE BOEF, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 2, 1926. Serial No. 19,907. Term of patent 7 years.



The ornamental design for a wall pocket or similar article substantially as shown.

72,893. GRAND PIANO CASE. CYRIL FARNY, De Kalb, Ill., assignor to Wurlitzer Grand Piano Company, De Kalb, Ill., a Corporation of Illinois. Filed Mar. 7, 1927. Serial No. 20,996. Term of patent 14 years.



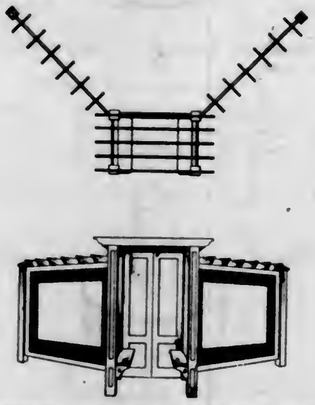
The ornamental design for a grand piano case substantially as shown.

72,894. GRAND-PIANO CASE. CYRIL FARNY, De Kalb, Ill., assignor to Wurlitzer Grand Piano Company, De Kalb, Ill., a Corporation of Illinois. Filed Mar. 7, 1927. Serial No. 20,997. Term of patent 14 years.



The ornamental design for a grand-piano case substantially as shown.

72,895. ADVERTISING BILLBOARD. HARRY R. GOTTLOB, Maplewood, Mo. Filed Mar. 21, 1927. Serial No. 21,240. Term of patent 7 years.



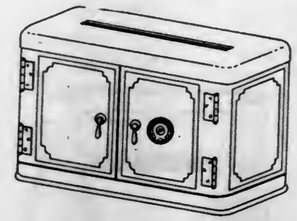
The ornamental design for an advertising billboard, as shown.

72,896. FINGER RING OR ARTICLE OF SIMILAR NATURE. BENJAMIN GROSS, New York, N. Y., assignor to Benjamin & Edward J. Gross Co. Inc., New York, N. Y., a Corporation of New York. Filed May 28, 1926. Serial No. 17,877. Term of patent 3½ years.



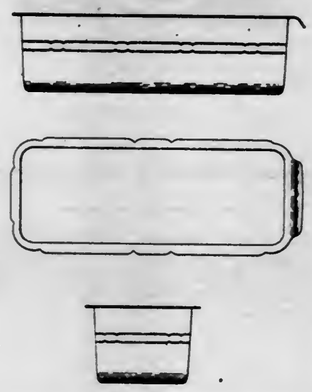
The ornamental design for a finger ring, or article of similar nature, as shown.

72,897. RECEPTACLE FOR USED RAZOR BLADES. JOSEPH KAUFMAN, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Mar. 25, 1927. Serial No. 21,328. Term of patent 3½ years.



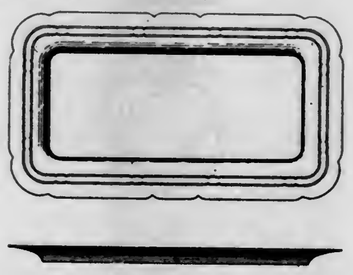
The ornamental design for a receptacle for used razor blades, as shown.

72,898. DISH OR SIMILAR ARTICLE. ROBERT R. KINTZ, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 29, 1927. Serial No. 21,383. Term of patent 3½ years.



The ornamental design for a dish or similar article as shown.

72,899. TRAY OR SIMILAR ARTICLE. ROBERT R. KINTZ, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 29, 1927. Serial No. 21,384. Term of patent 3½ years.



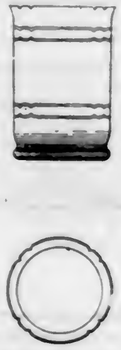
The ornamental design for a tray or similar article as shown.

72,900. BOWL OR SIMILAR ARTICLE. ROBERT R. KINTZ, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 29, 1927. Serial No. 21,385. Term of patent 3½ years.



The ornamental design for a bowl or similar article as shown.

72,901. CUP OR SIMILAR ARTICLE. ROBERT R. KINTZ, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 29, 1927. Serial No. 21,386. Term of patent 3½ years.



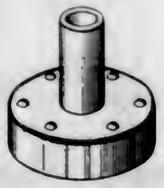
The ornamental design for a cup or similar article as shown.

72,902. SMOKER'S STAND OR THE LIKE. CHARLES P. KNAPP, New York, N. Y., assignor of one-half to William H. Mack, Johnson City, N. Y. Filed Feb. 17, 1927. Serial No. 20,794. Term of patent 7 years.



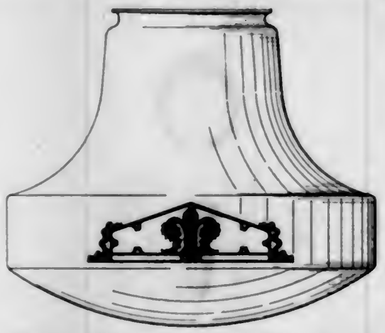
The ornamental design for a smoker's stand or the like, as shown.

72,903. FOUNTAIN-PEN HOLDER. WILLIAM GREY LEWIS, Chicago, Ill. Filed Feb. 26, 1927. Serial No. 20,904. Term of patent 14 years.



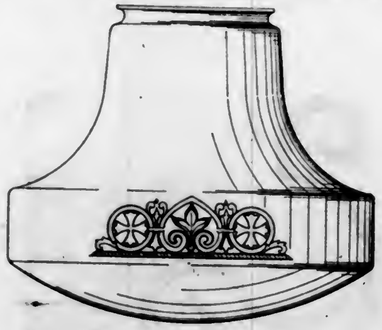
The ornamental design for a fountain pen holder substantially as shown.

72,904. LAMP SHADE. FREDERICK K. MAERZ, Cleveland, Ohio, assignor to Benjamin F. Klein, doing business as The Kayline Co., Cleveland, Ohio. Filed Feb. 25, 1927. Serial No. 20,889. Term of patent 7 years.



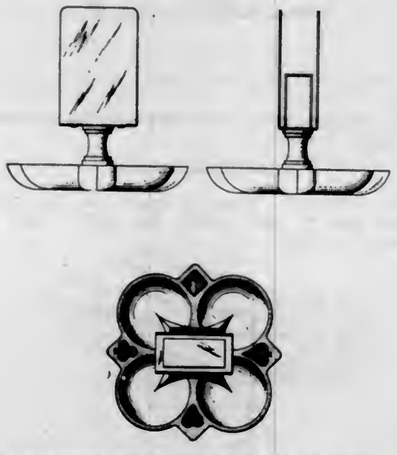
The ornamental design for a lamp shade, as shown.

72,905. LAMP SHADE. FREDERICK K. MAERZ, Cleveland, Ohio, assignor to Benjamin F. Klein, doing business as The Kayline Co., Cleveland, Ohio. Filed Feb. 25, 1927. Serial No. 20,891. Term of patent 7 years.



The ornamental design for a lamp shade, as shown.

72,906. ASH TRAY. EDWARD J. MCGUIRK, Newark, N. J., assignor to Greene, Tweed & Co., a Corporation of New York. Filed Mar. 16, 1927. Serial No. 21,156. Term of patent 14 years.



The ornamental design for an ash tray, as shown.

72,907. FINGER RING. MILTON MEIER, Newark, N. J., assignor to Meyer & Gross, a Corporation of New Jersey. Filed Feb. 15, 1927. Serial No. 20,766. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

72,908. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Mar. 2, 1927. Serial No. 20,939. Term of patent 14 years.



The ornamental design for a bottle substantially as shown.

72,909. LIGHTING FIXTURE. JAMES S. MOORE, St. Louis, Mo., assignor to The Edwin F. Guth Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 15, 1927. Serial No. 20,769. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

72,910. PEDESTAL OR THE LIKE. EMIL THEODORE PALMENBERG, New York, N. Y., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 14, 1927. Serial No. 21,140. Term of patent 7 years.



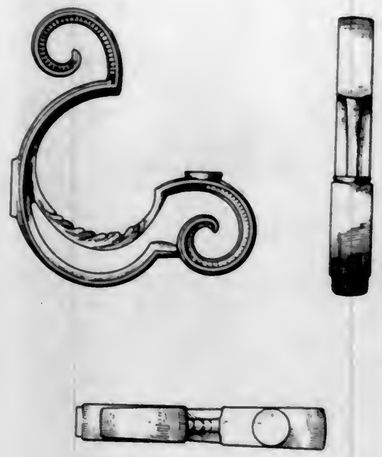
The ornamental design for a pedestal or the like, as shown.

72,911. BACKPLATE FOR A LIGHTING FIXTURE OR THE LIKE. MAX PEINLICH, White Plains, N. Y., assignor to Columbia Lighting Fixture Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,117. Term of patent 3½ years.



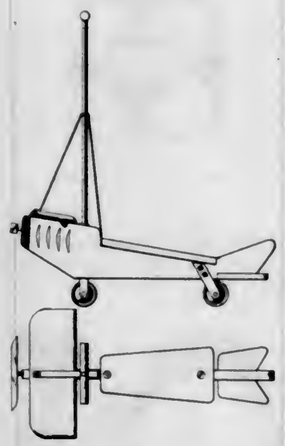
The ornamental design for a backplate for a lighting fixture or the like, as shown.

72,912. ARM FOR A LIGHTING FIXTURE OR THE LIKE. MAX PEINLICH, White Plains, N. Y., assignor to Columbia Lighting Fixture Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,119. Term of patent 3½ years.



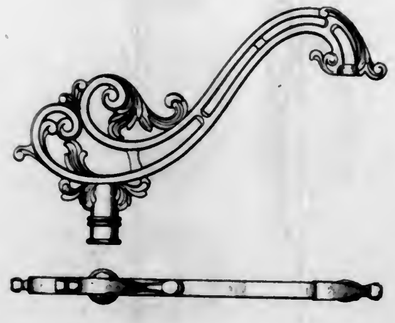
The ornamental design for an arm for a lighting fixture or the like, as shown.

72,913. SCOOTER. HARRY H. PERRY, San Jose, Calif. Filed Aug. 26, 1926. Serial No. 18,877. Term of patent 3½ years.



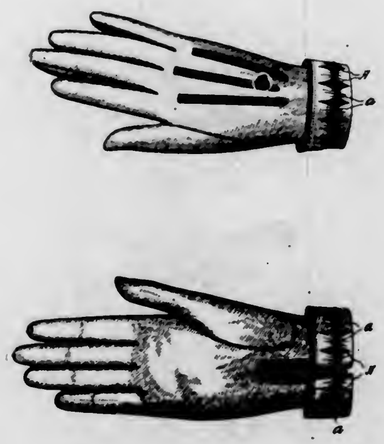
The ornamental design for a scooter as shown.

72,914. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1927. Serial No. 21,358. Term of patent 3½ years.



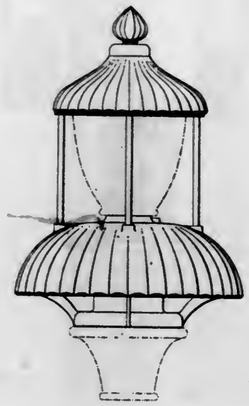
The ornamental design for a lamp bracket, substantially as shown.

72,915. GLOVE. IRWIN EMANUEL STEINBERGER, New York, N. Y. Filed Feb. 5, 1927. Serial No. 20,634. Term of patent 3½ years.



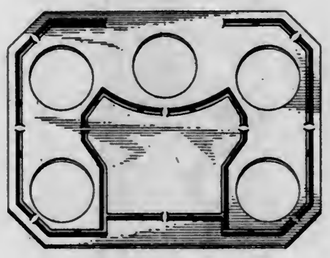
The ornamental design for a glove, substantially as shown and described.

72,916. BEACON-LIGHT CASING. JOHN R. TOWNSEND, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1926. Serial No. 16,602. Term of patent 14 years.



The ornamental design for a beacon-light casing, as shown.

72,917. ICE-CREAM-CONE SERVER. GEORGE W. TRAVER, Chicago, Ill. Filed Mar. 28, 1927. Serial No. 21,375. Term of patent 14 years.



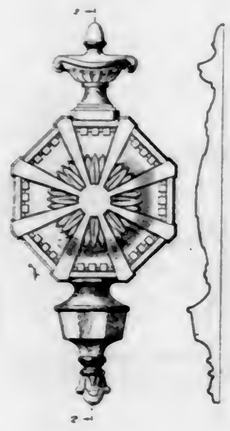
The ornamental design for an ice cream cone server substantially as shown.

72,918. GOBLET OR SIMILAR ARTICLE. JULES H. VENON, New York, N. Y. Filed Oct. 26, 1926. Serial No. 19,488. Term of patent 14 years.



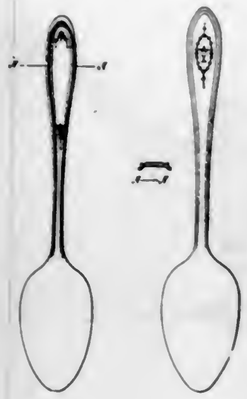
The ornamental design for a goblet or similar article, as shown and described.

72,919. BRACKET BACK FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 31, 1927. Serial No. 21,414. Term of patent 7 years.



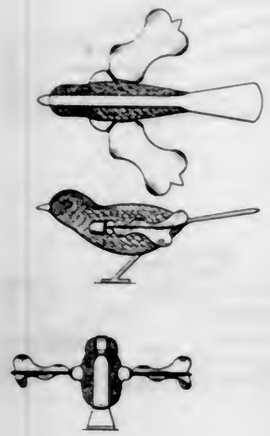
The ornamental design for a bracket back for lighting fixtures, as shown.

72,920. SPOON OR SIMILAR ARTICLE. WILLIAM S. WARREN, Meriden, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Nov. 15, 1926. Serial No. 19,725. Term of patent 14 years.



The ornamental design for a spoon or similar article as shown.

72,921. RADIATOR CAP ORNAMENT FOR AUTOMOBILES. FRANK J. WILHELM, Cincinnati, Ohio. Filed Feb. 14, 1927. Serial No. 20,762. Term of patent 3½ years.



The ornamental design for a radiator cap ornament for automobiles, substantially as shown.

72,922. LIGHT SHADE OR SIMILAR ARTICLE. STANTON D. WILSON, St. Louis, Mo. Filed Apr. 19, 1926. Serial No. 17,341. Term of patent 14 years.



The ornamental design for a light shade or similar article, as shown.

72,923. DRESS. JEAN CHARLES WORTH, Paris, France, assignor to David Crystal, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1927. Serial No. 21,511. Term of patent 3½ years.

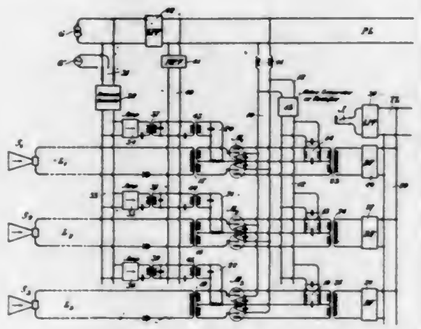


The ornamental design for a dress, substantially as shown.

PATENTS
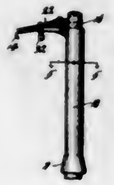
GRANTED JUNE 21, 1927.

1,632,777. DISTRIBUTION OF INTELLIGENCE. HERMAN A. AFFEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 25, 1922, Serial No. 539,255. Renewed Feb. 9, 1925. 23 Claims. (Cl. 179—2.)



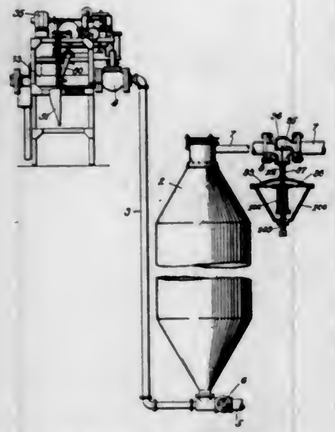
1. In a system for transmitting amusement, news and the like, a plurality of sources of intelligence, means to modulate a plurality of carrier frequencies in accordance with intelligence from said sources to produce modulated side bands, means to impress the unmodulated carrier frequencies upon one circuit for transmission to a subscriber's station and means to impress the modulated side bands without the carriers upon another circuit for transmission to the subscriber's station to beat with the unmodulated carrier frequencies transmitted over said first circuit.

1,632,778. RAZOR. NOAH D. ANDERSON, Brainerd, Minn. Filed Dec. 29, 1925. Serial No. 78,236. 6 Claims. (Cl. 30—12.)



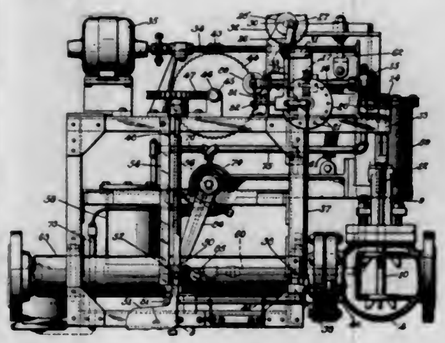
1. A razor comprising, in combination, a tubular handle, a guard plate formed adjacent the upper end of the handle extending laterally therefrom, a sleeve adapted to be mounted in the tubular handle, retaining means mounted adjacent the upper end of the sleeve, a blade having a projection formed on the rear edge thereof, means for securely fastening the blade body in position upon the guard plate, the projection being inserted in the sleeve and engaged by the retaining member, and means whereby the sleeve may be withdrawn from the handle to permit stropping of the blade.

1,632,779. APPARATUS FOR COOKING PULP. CARLTON H. ALLEN, Glens Falls, N. Y., assignor of one-half to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed Jan. 18, 1922. Serial No. 530,140. 7 Claims. (Cl. 92—7.)



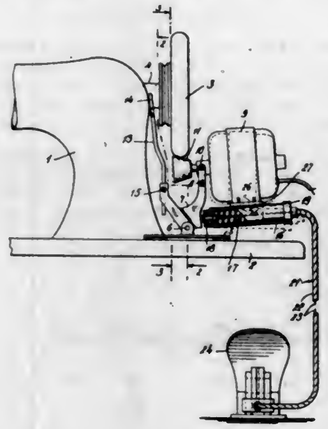
1. A pulp cooking apparatus comprising, in combination, a digester, a steam supply line leading to said digester, and means for controlling the flow of steam to said digester and operative automatically to deliver a substantially predetermined quantity of steam thereto at a predetermined rate and in a substantially predetermined time.

1,632,780. FLOW-CONTROLLING APPARATUS. CARLTON H. ALLEN, Dayton, Ohio, assignor of one-half to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Original application filed Jan. 18, 1922, Serial No. 530,140. Divided and this application filed July 17, 1925. Serial No. 44,258. 14 Claims. (Cl. 137—78.)



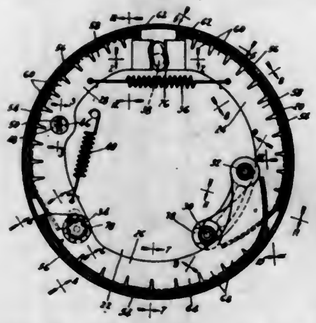
1. An apparatus for controlling the flow of steam, comprising, in combination, a valve, means for operating said valve, a constantly operating mechanism, additional mechanism responsive automatically to the rate of steam flow, and means for mechanically correlating the operations of said mechanisms in the control of said valve operating means to enable the apparatus to deliver steam at a predetermined rate for a predetermined period of time.

1,632,781. MOUNTING FOR SEWING-MACHINE MOTORS. WILLIAM BANGSER, New York, N. Y., assignor to Maimin Speed Control Corporation, a Corporation of New York. Filed Dec. 10, 1925. Serial No. 74,493. 9 Claims. (Cl. 74—26.)



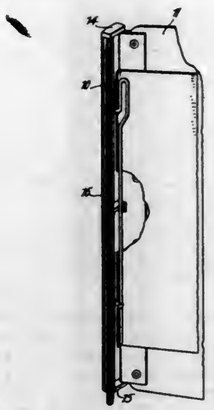
1. In a sewing machine having a frame and a table, the combination of motor-supporting base resting on the table adjacent the frame, a bracket pivotally mounted on the base, a motor mounted on the bracket with its center of gravity beyond the pivot on the far side of the frame, and means extending from the bracket and bearing against the frame for clamping the base between the frame and the table.

1,632,782. BRAKE SHOE. VINCENT BENDIX, Chicago, Ill., and LUDGER E. LA BRIE, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1926. Serial No. 157,104. 11 Claims. (Cl. 188—250.)



5. A brake shoe comprising an outer arcuate lining-carrying band, and a curved stiffening web member secured along its outer edge to the inner face of the band and at one end of the shoe continued as a pivot arm offset substantially within the curve of said band, the band being narrowed in width and integrally continued along said offset arm to stiffen it.

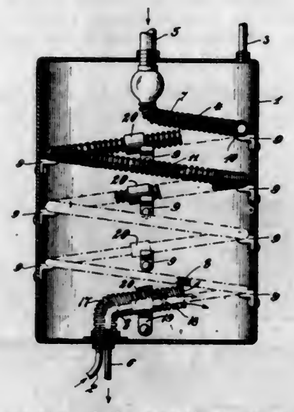
1,632,783. MENU HOLDER. WALTER JUDSON BIRD, Flushing, N. Y. Filed Oct. 21, 1925. Serial No. 63,852. 6 Claims. (Cl. 129—23.)



3. A device of the type described which comprises, a supporting back strip, a pair of spaced pintles extending lengthwise of the said edges of said back strip and mounted at their ends on said back strip, a pair of cover plates, one hinged on each of said pintles, means for resiliently holding said plates in partly opened position, and means for securing a menu card between said cover plates.

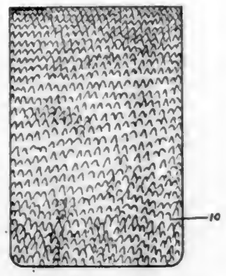
6. A device of the type described which comprises, a pair of plates, a hinge element connecting said plates, and a means for securing a menu card between said plates comprising a pin having an S-shaped end secured to said hinge element and a projecting portion extending lengthwise of and spaced from said hinge element, and a hook on said hinge element for retaining said free end of said pin.

1,632,784. HEAT-CONDUCTING APPARATUS. ROBERT S. BLAIR, Sound Beach, Conn. Filed Mar. 24, 1919. Serial No. 284,621. 7 Claims. (Cl. 257—229.)



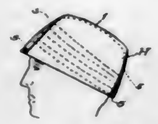
1. In apparatus of the general nature of that herein described, in combination, a flexible metallic conduit, a second flexible metallic conduit into which said first conduit is fitted, means interposed between said conduits intermediate their ends adapted to hold them in spaced relation one from the other, and means adapted to lead a current of fluid thru one of said conduits, and another current of fluid thru the space between said conduits in the opposite directions.

1,632,785. POCKET ARTICLE AND THE LIKE. ROBERT S. BLAIR, Sound Beach, Conn. Filed Jan. 5, 1921. Serial No. 435,081. 6 Claims. (Cl. 150—47.)



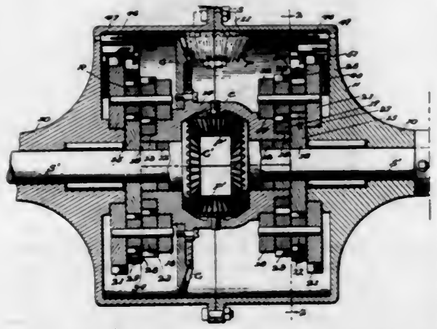
1. In holding means for pocket articles, an outer member extending about and forming a casing or cover entirely enclosing the article to be held and provided on both of its outer surfaces as a constituent part thereof and with a multitude of minute projecting parts inclined with respect to the length of the article and adapted to engage the lining of the pocket and act as a surface tending to resist relative movement in a predetermined direction.

1,632,786. HAT COVER. ERSYL F. CHAMBLESS, Chicago, Ill. Filed Sept. 20, 1926. Serial No. 136,427. 1 Claim. (Cl. 2—187.)



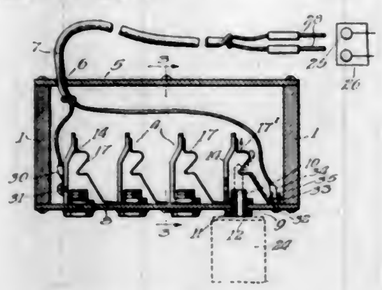
In a hat protector, a flat sheet of material of generally oblong shape provided with two V-shaped cuts disposed opposite to each other with their vertexes on the medial line of the sheet, said cuts separating the sheet into two wing members, fastening means along the lateral edges of the V-shaped cuts and adapted to adjustably secure the ends of the winged members together when the said members are disposed in lapped relation.

1,632,787. DIFFERENTIAL. FRANK ELMER CRAWFORD, York, Nebr. Filed Jan. 3, 1923. Serial No. 610,506. 24 Claims. (Cl. 74—99.)



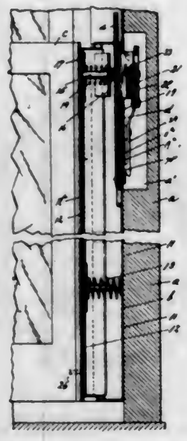
1. A differential unit including a rotative differential gear casing and a pair of spindles driven thereby in combination, connecting means comprising a rotative reducing gear carrier and reducing gears rotatively mounted in said carriers between each spindle and said rotative differential gear casing whereby the rotative movement of either spindle in one direction may be maintained within a predetermined degree with respect to the rotational speed of said differential gear casing, means to lock said carriers against reverse rotation, and means operable from a remote point to permit rotation of said carrier in said reverse direction and to lock it against other rotation, whereby the connecting means between each spindle and differential gear casing may be caused to operate for maintaining the rotative relation between said gear casing and spindles when said spendles are rotated in the opposite direction.

1,632,788. JACK BOX. RILEY M. DIENER, Elkhart, Ind., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind., a Corporation of Delaware. Filed Dec. 1, 1924. Serial No. 753,062. 9 Claims. (Cl. 179—91.)



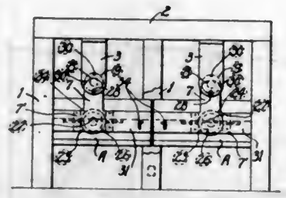
1. In a jack box, a housing, a panel for the front of the same, a plurality of threaded sleeves extending through the panel, jack frame brackets held by said sleeves and jack springs for each jack frame bracket held under the foot of the next adjacent jack frame bracket, said brackets and springs being connected in series.

1,632,789. WINDOW. FREDERICK E. DOMSCHEIT, Brooklyn, N. Y. Filed Mar. 30, 1926. Serial No. 98,522. 10 Claims. (Cl. 292—138.)



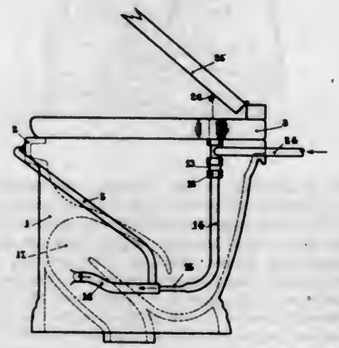
2. In a window the combination with a sash, of a transversely expansible housing for one side of said sash, means for expanding said housing to tighten said sash and means for automatically operating said first named means.

1,632,790. COMBINATION FURNITURE. JOHN WALTER FRYER, St. Louis, Mo. Filed Apr. 15, 1926. Serial No. 102,221. 2 Claims. (Cl. 5—3.)



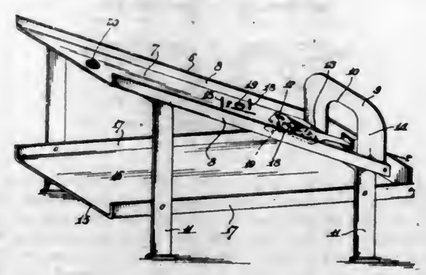
1. A combination bed and table comprising supporting frames in spaced relation, a pair of brackets secured to the supporting frame, the lower end of each bracket terminating in a bearing, a pair of hangers pivotally mounted in the bearings of the brackets, said hangers each terminating at its outer end in a trunnion, a supporting member suspended from the hangers, said supporting member having bearings at each end, said bearings receiving the trunnions and being rotatable thereon, said supporting member being adapted to form a bed in its lowermost position, and being movable to a plane in line with the top of the supporting frames to form a table, and means for locking the supporting member in each of said positions.

1,632,791. VENTILATION OF WATER-CLOSET PANS. SYLVAIN RENÉ HABAULT, Neuilly-Sur-Seine, France, assignor to Societe D'Hygiene Pratique, Paris, France, a Corporation of France. Filed July 17, 1924, Serial No. 726,490, and in Belgium July 27, 1923. 4 Claims. (Cl. 4—72.)



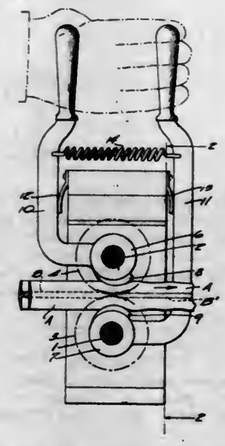
1. In a device for effecting the automatic internal ventilation of a closet pan, the combination with a pan having a siphon in the bottom thereof; of an apertured boss integral with the top of said pan, the inner walls of said boss being arranged tangentially to the inner surface of the pan, an outlet pipe connected to said boss and siphon, a valve casing, a normally closed valve therein, means to open said valve when the seat of the pan is lowered, water supply means for supplying water to said casing when said valve is opened, and a discharge tube connected to said casing and to said outlet pipe and through which the water flows from said casing to create a suction in said outlet pipe.

1,632,792. GAME APPARATUS. GRANVILLE A. HEIMER, Nazareth, Pa. Filed Jan. 5, 1927. Serial No. 159,127. 7 Claims. (Cl. 273—120.)



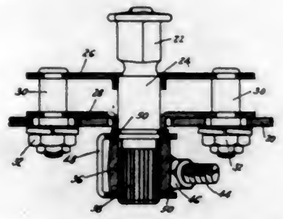
1. In a game apparatus, the combination of means forming an inclined travel surface, having openings and obstacles in spaced relationship with each other, a substantially vertical wall at the lower end of said travel surface provided with an opening extending above said travel surface, a counterbalanced element partly within said upwardly extending opening having its upper surface normally in the plane of said inclined travel surface, and a tumbler for travelling on the inclined travel surface comprising an elongated hollow body provided with a loosely housed spherical weight adapted to roll from one end to the other of the hollow body.

1,632,793. CAME MACHINE. WILLIAM HENDERSON, New York, N. Y. Original application filed Nov. 10, 1924, Serial No. 748,878. Divided and this application filed June 16, 1926. Serial No. 116,313. 6 Claims. (Cl. 80—24.)



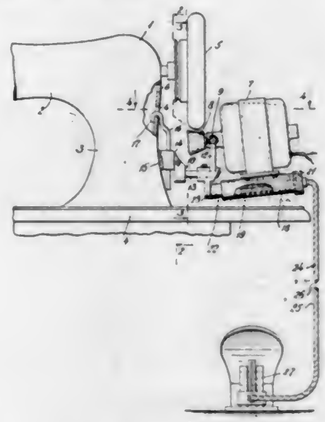
1. A came mill having cooperating rolls to drive and reform a came blank, associated hand-manipulated means adapted to instant and irregular manipulation controlling leaf edge engaging members whereby constantly varying formation of the leaves can be made during the driving of the came through the mill at the will of the operator.

1,632,794. OPERATING DEVICE. LUDGER E. LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 23, 1926. Serial No. 156,610. 5 Claims. (Cl. 188—194.)



1. An operating device comprising, in combination, a shaft, an arm fixed on the shaft, a channel-shaped arm having side flanges loosely mounted on the shaft on opposite sides of the fixed arm and partially enclosing the fixed arm, and a thrust device adjustably engaging the fixed arm and the part of the channel-shaped arm between the side flanges.

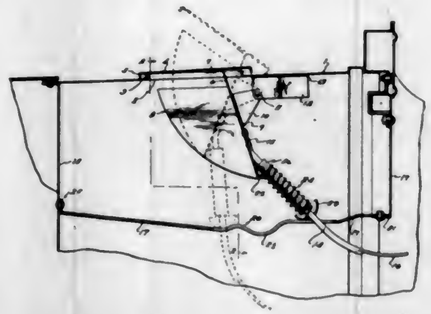
1,632,795. MOUNTING FOR SEWING-MACHINE MOTORS. HYMAN MAIMIN, New York, N. Y., assignor to Maimin Speed Control Corporation, a Corporation of New York. Filed Dec. 10, 1925. Serial No. 74,494. 7 Claims. (Cl. 74—26.)



1. In a sewing machine having a frame with an opening therein, the combination of a motor support having an arcuate thrust member bearing against the frame, and a vertical arm secured to the support, and having a hook entering the opening in the frame above the thrust member for holding the support suspended upon the frame.

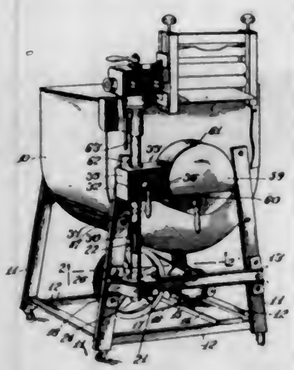
1,632,796. COWL VENTILATOR. HERMAN C. MAISE, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 29, 1923. Serial No. 671,608. 7 Claims. (Cl. 98—2.)

1. In a vehicle body, the combination with an instrument board, a dash board, and a cowl extending between said boards having an air inlet opening, of a forwardly opening closure for the opening having a part pivotally mounted beneath the cowl, an operating handle rigidly secured to said part so as to be concealed thereby when the closure is moved to open position, a bar extending between the instrument board and dash board in spaced relation to said closure and cowl having a longitudinally extending slot receiving the handle, and means sleeved



upon said handle between the bar and closure engageable with the bar for holding the handle and closure in adjusted position.

1,632,797. LAUNDRY MACHINE. LAWRENCE W. MAMMEN, Chicago, Ill. Filed June 28, 1923. Serial No. 648,185. 12 Claims. (Cl. 74—56.)



1. In a machine of the character described, provided with a vertically disposed drive shaft, a housing disposed about the lower end of said shaft and socketed to receive anti-friction thrust bearing and provide an oil well for the lower end of the shaft, a cover portion removably secured to said housing and provided with an upwardly disposed apertured boss for passage of the drive shaft therethrough, and a sleeve portion mounted on the cover portion and disposed about the drive shaft, with the relation between the sleeve and casing adapted to provide a continuous oil passage.

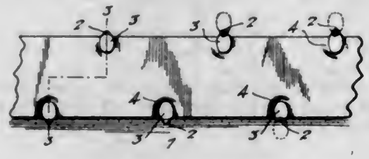
1,632,798. TEXTILE SPINDLE. ARTHUR MEDER, Carlstadt, N. J., assignor to Norma-Hoffmann Bearings Corporation, New York, N. Y., a Corporation of New York. Filed June 20, 1919, Serial No. 305,651. Renewed Aug. 18, 1923. 5 Claims. (Cl. 308—228.)

1. A textile spindle comprising a tubular member having internal reduced portions at its upper and lower ends forming shoulders, bearing rings within the tubular member and resting against the shoulders, a base section removably secured in the lower end of the tubular member and holding the lower bearing ring against the shoulder, and having an oil receptacle in its upper face, a supporting shank carried by the lower end of the base section, and a spindle shaft extending down through the tubular member and carrying bearing rings arranged op-



posite the bearing rings of the tubular member, and having its lower end extending within the oil receptacle of the base section, and having a passage extending longitudinally therethrough for supplying oil to the upper bearing.

1,632,799. MARKING TAPE FOR TENNIS COURTS. ROBERT MOORE, Montclair, N. J. Filed Nov. 27, 1926. Serial No. 151,092. 1 Claim. (Cl. 273—29.)

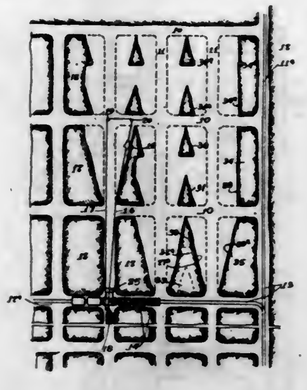


The combination with a tennis court having a dirt foundation, of marking tapes consisting of thin strips of ductile, malleable and non-elastic metal, and a plurality of fastening members arranged in spaced relation along the edges of said strips, and said fastening members each having a shank driven into the ground and a laterally projecting head overlying and clamping the corresponding edge of said strip between it and the ground, said head being indented into the strip below the plane of the top surface thereof.

1,632,800. SYSTEM FOR MINING. JAMES W. PEARCE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1924. Serial No. 754,261. 4 Claims. (Cl. 262—1.)

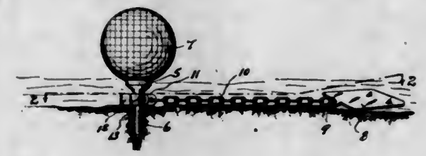
1. The method of mining which consists in initially driving a plurality of substantially parallel and intersecting cross entries to form rectangular blocks, removing the material from the blocks by scraper loading devices extending along working faces formed in adjacent parallel working entries and loading in transportation

entries intersecting said working entries, removing the material along predetermined staggered working faces on opposite sides of each working entry and connecting the



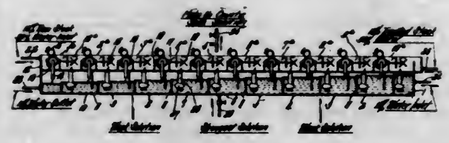
working operations in adjacent working entries to leave pillars of pyramidal or inverted V shaped form along the central portions of each of the blocks.

1,632,801. GOLF-TEE ANCHOR. JOSEPH E. PAYOR, Summit, N. J. Filed Dec. 13, 1926. Serial No. 154,460. 2 Claims. (Cl. 273—33.)



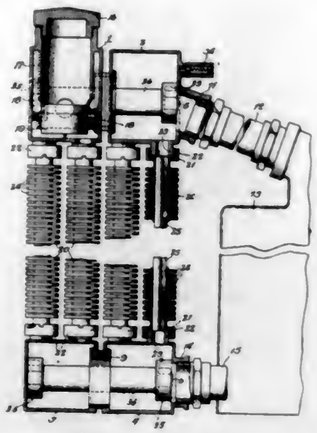
1. An anchoring device for ready-made golf-tees, comprising an anchor element, a flexible tie to extend from said anchor element, and a coupling member connected with the free end of said tie, said coupling member comprising a metallic body doubled longitudinally upon itself to provide a backplate and an overlying clamp-plate tensionally related to said back-plate to cooperate therewith in frictionally gripping the shank of a golf-tee thrust therebetween.

1,632,802. PROCESS OF AND APPARATUS FOR TREATING FIBER. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Aug. 10, 1926. Serial No. 128,398. 9 Claims. (Cl. 92—20.)



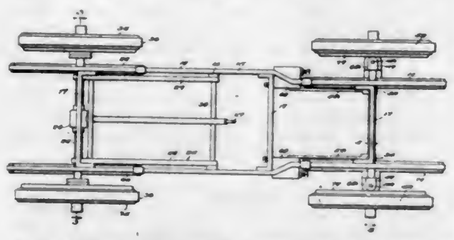
1. A process of treating fiber with a chemical solution and washing the same, which comprises maintaining a series of treating baths, introducing fiber into an end bath and passing said fiber from bath to bath toward the other end bath, introducing water into the other end bath and the chemical solution into an intermediate bath, and producing a flow of water from bath to bath in countercurrent flow to that of the fiber.

1,632,803. • INTERNAL-COMBUSTION-ENGINE RADIATOR. WILLIAM H. RAY, Monroe, Mich. Filed Feb. 4, 1922. Serial No. 534,022. 8 Claims. (Cl. 257—129.)



1. In a radiator, a plurality of intercommunicating headers forming a sectional upper header, a plurality of intercommunicating headers forming a sectional lower header, means rigidly connecting the upper header to the lower header and detachable therefrom whereby the upper header is detachable from the lower header, radiating tubes held stiffly upright for connecting the upper header to the lower header, the intercommunicator between the sections of each header being formed by passage means providing an unobstructed path of flow directly from one section into another, so that free communication is formed between sections, and fastening means on each header and entirely separate from said passage means to detachably connect the sections of each header together, and each tube being removable laterally without disconnecting other tubes, and without disconnecting the upper header from the lower header.

1,632,804. VEHICLE. JAMES T. SHOUP, Chicago, Ill., assignor to Mettie R. Shoup, Chicago, Ill. Filed Dec. 11, 1925. Serial No. 74,782. 11 Claims. (Cl. 180—1.)



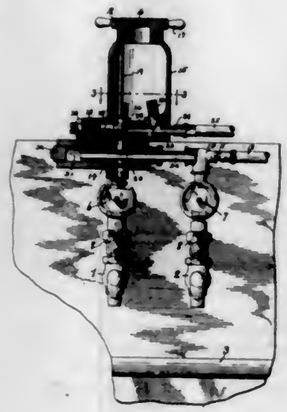
1. A self-propelled vehicle comprising a frame, an auxiliary frame movably mounted on said first-mentioned frame, ground-engaging wheels movable with said auxiliary frame, means for driving said wheels, and wheels mounted on said first-mentioned frame and supported by said ground-engaging wheels.

1,632,805. STITCHLESS EYE TAPE. DAVID SILBERMAN, New York, N. Y. Filed Feb. 23, 1927. Serial No. 170,245. 2 Claims. (Cl. 2—265.)

1. Stitchless hook or eye tape comprising a strip of fabric folded on itself to form a face ply and a bottom ply and intermediate inner folds between the two, a fastening member provided with base loops passing through the face ply and certain of the inner plies with the base loops lying between inner plies, other plies extending over and concealing the base loops, said fastening member being the sole means for securing the various plies together.

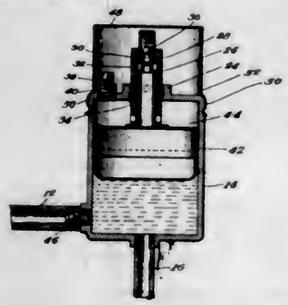


1,632,806. DEVICE FOR SUPPLYING SOAPY WATER. HENRY COLLIER SMITH, St. Marys, Ohio. Filed May 27, 1922. Serial No. 564,256. 3 Claims. (Cl. 299—84.)



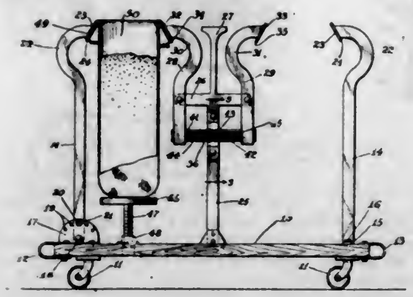
1. In a device of the character described, the combination of a body, a container connected thereto and having a filling opening, a water inlet and an outlet, said body having a supply passage leading to the water inlet of the container and an auxiliary discharge passage extending from the supply passage and connecting to the container outlet, means to conduct water to said supply passage, a flexible tube connected to the discharge passage to carry water therefrom, said body having a second discharge passage connecting to the supply passage, a flexible tube connected to the second discharge passage to carry water therefrom, and means to supply additional water to the second discharge passage.

1,632,807. LUBRICATING SYSTEM. DONALD H. SWEET, Evanston, Ill. Filed Jan. 29, 1926. Serial No. 84,726. 4 Claims. (Cl. 184—7.)



1. The combination with a pressure lubricating system of a chamber communicating therewith, means for admitting air into said chamber at a predetermined vacuum to limit the suction in the system, means for letting air out of the system at a predetermined pressure to limit the pressure in the system, and automatic float means actuated in accordance with the amount of lubricant in said chamber, for rendering said pressure limiting means inoperative when said chamber is full.

1,632,808. BAG HOLDER. JOHN SZTOGRYN, Jersey City, N. J. Filed Oct. 16, 1926. Serial No. 141,938. 10 Claims. (Cl. 83—26.)



1. A device for holding bags, comprising a platform, a bag supporting post mounted intermediate the ends of the platform, standards on the platform and spaced from the post, bag engaging devices pivotally mounted on the post, one for each of the standards, and means for constantly urging said devices to swing with their bag engaging ends toward the post thereby to distend and retain bags engaged by each of said devices and by the standards.

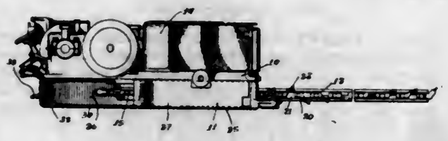
1,632,809. RESILIENT WHEEL. FRANK A. TURNER, New York, N. Y. Filed Apr. 1, 1925. Serial No. 19,862. 9 Claims. (Cl. 152—37.)



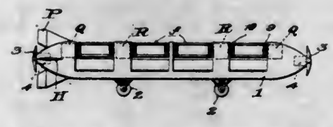
7. A resilient wheel comprising a felly member and a rim member spaced from each other, and an annular spring between them, said two members having rolling abutments bearing alternately on the inner and outer surfaces of said spring, means being provided adjacent each abutment to bear on the surface of the spring opposite the abutment when the action of load tends to pull such abutment away from the spring.

1,632,810. MINING MACHINE. FREDERICK W. VODOZ, Wilmette, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1924. Serial No. 757,897. 4 Claims. (Cl. 262—30.)

1. In a mining machine having a frame, a cutter arm projecting forwardly from the front end of said frame, a cutter chain driving sprocket adjacent the rear end of the frame, a cutter chain passing about said arm and sprocket, and cuttings passage forming frame members connected with said frame and disposed outwardly of respective stretches of said chain and extending therealong, the frame member on the advancing side of the machine extending rearwardly farther than that on the following side and extending at the rear of said sprocket partially about the same to and terminating at a point between the vertical planes of said stretches of the chain.

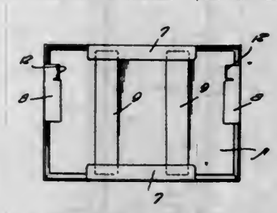


1,632,811. APPARATUS FOR FLYING. MICHAEL WATER, New York, N. Y., assignor of one-fourth to Maurice Baskin and one-fourth to Max Rhoade, Washington, D. C. Refile for abandoned application Serial No. 557,161, filed Apr. 25, 1922. This application filed June 23, 1926. Serial No. 118,130. 9 Claims. (Cl. 244—13.)



1. In a flying machine, a combination of a frame, a motor mounted thereon, a shaft directly connected to said motor and running longitudinally of said frame, sprocket wheels mounted on said shaft, endless chains operated by said wheels, said chains carrying a series of wings, a pair of closed loop rails, the side loop having a gradually diminishing radius of curvature paralleling said chains, the said wings being moved by the said chains in a linear direction and held at a fixed angle for the purpose of imparting a vertical lifting motion to the said machine, and a screw propeller located in front of said frame, for providing forward motion to said machine.

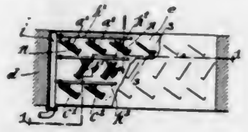
1,632,812. AUTOMOBILE LICENSE-CARD HOLDER. ROY E. WILLIAMS, Ringtown, Pa. Filed Dec. 14, 1926. Serial No. 154,708. 1 Claim. (Cl. 40—10.)



In a card holder of the class described, a substantially rectangular shaped frame for receiving the card and having an opening in its center through which the card is visible, inwardly extending tongues formed at the intermediate portions of the upper and lower edges of the frame, similar tongues extending inwardly from the side edges of the frame, the upper ends of the side tongues being bent inwardly to provide abutments, a pair of strips removably disposed across the rear face of the card, the ends of said strips engaging a free edge of the upper and lower inwardly directed tongues for retaining the card within the frame, and an elongated supporting bar adapted to be rigidly secured to a support, said bar extending longitudinally of the frame across the outer faces of the vertically disposed card securing strips, the respective ends of the supporting bar being bent to form a pair of offset lugs, said lugs adapted for disposition be-

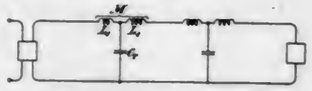
hind the vertical tongues, the upper edges of said lugs engaging the aforementioned abutments to limit the downward sliding movement of the frame and the card carried thereby.

1,632,813. FILTER FOR PURIFYING THE AIR. HANS WITTEMEIER, Berlin, Germany. Original application filed Jan. 5, 1921, Serial No. 435,288, and in Great Britain July 28, 1915. Divided and this application filed Mar. 15, 1924. Serial No. 699,600. 7 Claims. (Cl. 261—112.)



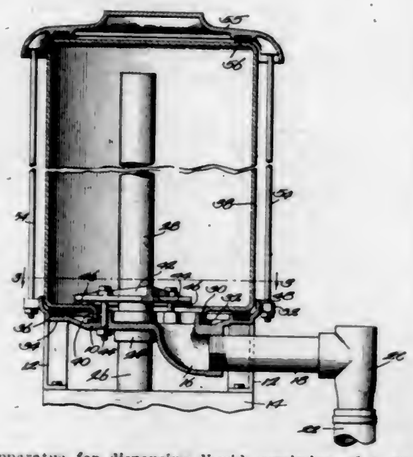
1. A filter comprising a filter bar and means for scraping the same.

1,632,814. FILTER FOR PERIODIC ELECTRIC CURRENTS. MANVEL K. ZINN, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 15, 1922. Serial No. 607,182. 6 Claims. (Cl. 178—44.)



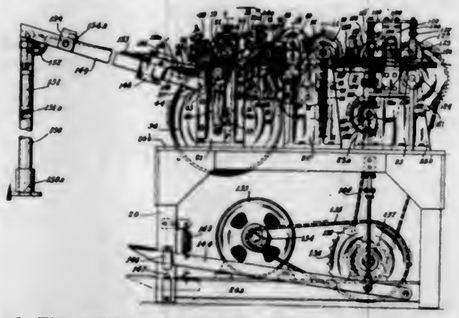
1. A filter having successive shunt impedance elements and series elements in alternation therewith, adjacent series elements having mutual impedance in pairs.

1,632,815. DISPENSING APPARATUS FOR LIQUID HYDROCARBONS. JOSEPH H. ALLEN, Chicago, Ill., assignor to Inland Glass Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 19, 1925. Serial No. 69,986. 1 Claim. (Cl. 221—100.)



Apparatus for dispensing liquid consisting of a glass container approximately in the form of a cylinder having glass extending inward at the top and having a constricted opening at the bottom, a support for the container having a plurality of openings for the passage of liquid, a spider located within the container and adapted to bear upon the constricted portion thereof, and means for clamping the support and spider toward each other to prevent leakage from between them.

1,632,816. METHOD AND MACHINE FOR COVERING FLEXIBLE STRIPS. ROBERT R. AMBLER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 26, 1923. Serial No. 653,919. 7 Claims. (Cl. 154—41.)

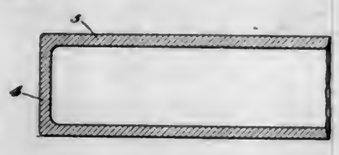


1. The method of applying a covering strip to a length of flexible strip material which comprises attaching the leading end portions of the two together and feeding forward the said end portions to draw the two progressively together while guiding them into progressive contact with each other and tensioning the covering strip by fixed engagement with its last-applied end portion.

1,632,817. TRANSMISSION SYSTEM. HENRY M. BASCOM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 8, 1924. Serial No. 711,899. 1 Claim. (Cl. 178—44.)

A transmission line comprising a source of high frequency oscillations above the ordinary telephonic range, a circuit associated with said source and tuned to the resonant at the frequency of said oscillations, a condenser transmitter associated with said circuit whereby the resonance of said circuit may be varied as the electrostatic capacity of said transmitter varies, an amplifier associated with said circuit and adjusted to efficiently amplify said high frequency oscillations, a filter associated with the output of said amplifier and adapted to readily transmit said high frequency oscillations and to attenuate frequencies within said telephonic range, and demodulating apparatus associated with said filter in said line.

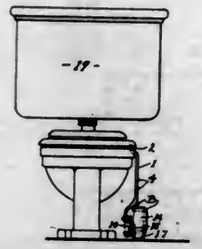
1,632,818. RING GEAR AND METHOD OF MAKING THE SAME. FRANK J. BLACK, Crafton, Pa. Filed June 27, 1922. Serial No. 571,259. 6 Claims. (Cl. 29—159.)



1. In the manufacture of ring gears the steps comprising forming a tubular blank by piercing and drawing, cutting rings from said blank, and forming teeth on at least one side face of said rings.

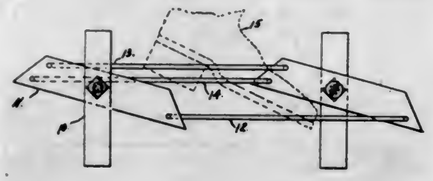
4. A ring gear formed from a drawn steel blank and in which the flow lines or grain of the metal runs substantially perpendicular to the cut of all the teeth.

1,632,819. SEAT-ACTUATING MEANS FOR SANITARY CLOSETS. WILLIAM E. CHASTAIN, Wichita, Kans. Filed Sept. 3, 1926. Serial No. 133,464. 2 Claims. (Cl. 4—251.)



1. In a seat actuating means for sanitary closets, in combination with a seat of a sanitary closet, an arm pivotally connected to the closet near the hinged point thereof, the opposite end pivotally connected to the arm of a bell crank, a bell crank pivotally attached to the floor by the side of the closet, a pedal engaging with the opposite end of the bell crank, so that the end thereof will reciprocate on each side of the fulcrum of the crank, a slotted tube attached to the pivotal bearing so that one arm of the bell crank will engage in the slot, a recoil spring positioned in the tube to function as a cushion for the bell crank, adjustable supporting means for the spring longitudinally in the tube, all as, and for the purpose described.

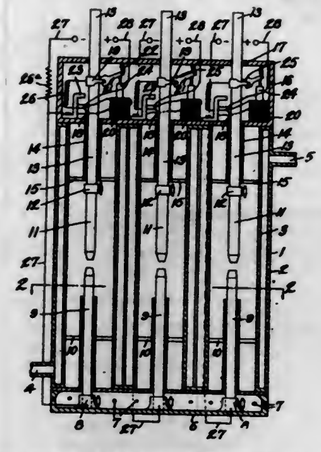
1,632,820. DISPLAY STAND. LEMEL COFAR, Milwaukee, Wis. Filed Sept. 4, 1924. Serial No. 735,859. 3 Claims. (Cl. 211—14.)



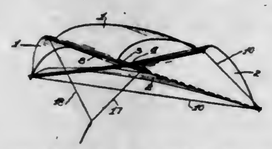
1. A display rack comprising a support, parallel arms attached to the support and axially adjustable about horizontal pivots, a pair of rods attached to the rear ends of the arms and being disposed one above the other and in offset relation, and a rod attached to the forward ends of the arms, the rods being adapted to engage the heel and toe of a shoe to hold the same in position for display, the arms being arranged to be adjusted to dispose of the pair of rods to the front and the other rod to the rear to permit a rectangular object to repose thereon in lieu of the shoe.

1,632,821. ELECTRIC WATER HEATER. ALFRED COTE, Montreal, Quebec, Canada. Filed Apr. 30, 1923, Serial No. 635,472. Renewed June 21, 1926. 4 Claims. (Cl. 219—38.)

1. An electric water heater comprising a transverse casing provided with sockets; a plurality of water casings mounted on said transverse casing having inner and outer walls; a control casing mounted on the upper ends of said water casings and having a plurality of sliding rods therein; a negative carbon for each water casing mounted within said inner wall in the socket of said transverse casing; a positive carbon for each water casing mounted within said inner wall in the sliding rod, said carbons being in alignment with each other; and means in said control casing for operating each of said sliding rods in order to maintain an arc across the ends of the carbons.

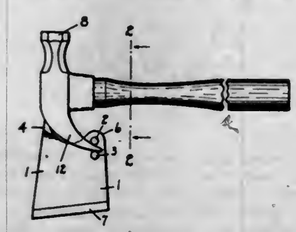


1,632,822. SELF-BALANCING KITE. CONRAD DAHL, Springfield, Ohio, assignor to Robert N. Burton, Chicago, Ill. Filed July 17, 1926. Serial No. 123,118. 14 Claims. (Cl. 244—22.)



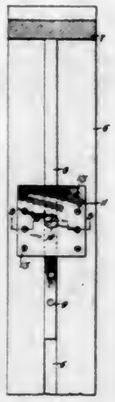
1. A kite comprising a mid-rib and a cross arm unconnected at their adjacent portions, a head sail attached to the mid-rib, a main sail attached to the cross arm, ties connecting the opposite sides of the head sail to the opposite ends of the cross arm, guys extending from the ends of the cross arm to one end of the mid-rib and means connecting the main sail to said end of the mid-rib.

1,632,823. CUTTING-BLADE ATTACHMENT. JAMES G. DARLING, Norwood, Ohio. Filed Aug. 19, 1925. Serial No. 51,208. 4 Claims. (Cl. 7—8.)



1. A cutting blade attachment having spaced-apart pins adapted to receive the claws of a hammer therebetween and a bearing against which the convex surface of said claws is adapted to abut, whereby said cutting blade is adapted to be securely and detachably held in position upon said hammer.

1,632,824. SASH-PULLEY MARKER. DANIEL W. DAVIDSON, Big Spring, Tex. Filed Mar. 2, 1925. Serial No. 12,650. 3 Claims. (Cl. 33—197.)



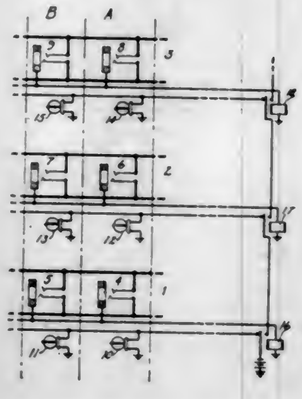
1. A window sash marker including a guide strip having a plurality of openings therein, a plate having an opening mounted on the guide strip, a retaining member engageable with the openings formed in the plate and guide strip for adjustable connection thereof, and marking members carried by the plate.

1,632,825. WHISTLING BALL. CHARLES J. DIEBOLD, Winnipeg, Manitoba, Canada. Filed July 3, 1926. Serial No. 120,406. 2 Claims. (Cl. 46—46.)



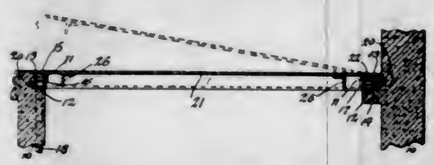
1. In combination, a hollow ball having opposing end openings therein, an annular disc surrounding one of the openings and secured to the ball, a whistle carried by the disc and covering said latter opening, an upper disc, a flexible bellows forming material connecting the discs, a spring within the bellows and having the lower end secured to the whistle and the upper end attached to the upper disc and a string attached centrally to the upper disc and passing out through the other end hole in the ball, the said spring maintaining the bellows in a collapsed position upon the ball being suspended by the string.

1,632,826. TRUNK SIGNALING SYSTEM. LLOYD L. EAGON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 30, 1925. Serial No. 65,876. 2 Claims. (Cl. 179—48.)



1. In a telephone system, a plurality of outgoing trunks arranged in a certain series relation, a signal for each trunk, means for maintaining the signal of one of said trunks actuated in response to the seizure of all of the preceding trunks in the series and means responsive to the release of any one of the preceding trunks for disabling said signal and actuating the signal of the released preceding trunk.

1,632,827. CLOSURE FOR AREA WAYS. CHARLES K. ERNST, Buffalo, N. Y. Filed Feb. 17, 1926. Serial No. 88,744. 5 Claims. (Cl. 94—36.)



1. A frame for the closure at the upper end of a concrete area-wall, comprising angle bars each having a vertical inner flange and a lower horizontal flange projecting outwardly from the lower edge of said vertical flange, and upright bars arranged above said horizontal flanges and separated from the same and said vertical flanges to form upwardly opening channels between said upright bars and vertical flanges and passage between the lower edges on said upright bars and said horizontal flanges.

1,632,828. WATCH-CHAIN SWIVEL. THOMAS J. FAGAN, Arlington, Mass. Filed Feb. 24, 1926. Serial No. 90,284. 4 Claims. (Cl. 24—240.)

1. A clasp of the type described comprising a substantially cylindrical body portion, a hook member pivoted for swinging movement at one end of the body portion, a recess in the body portion for receiving the free end of the hook, and a locking member surrounding the body portion and movable longitudinally thereof, movement of the locking member in one direction fastening the free end of the hook within said recess, and in the other direction releasing said free end whereby the hook may be swung away from the body portion, and means between

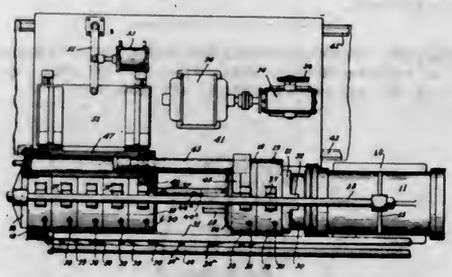


the locking member and the body portion for holding the locking member in position to fasten the free end of the hook within the recess.

1,632,829. METHOD OF DRYING COAL AND THE LIKE. HANS FLEISSNER, Leoben, Austria. Filed Jan. 11, 1926. Serial No. 80,665, and in Austria Aug. 14, 1924. 2 Claims. (Cl. 34—24.)

1. Method of drying coal and the like consisting in first heating the coal for about one hour in the presence of steam of a pressure ranging from 3 atmospheres corresponding to a temperature of about 130° centigrade to 25 atmospheres corresponding to a temperature of about 235° centigrade thus preventing the escape of water from the coal, thereafter progressively reducing the pressure of the steam in order to start the drying, and continuing this reduction until the coal is dry.

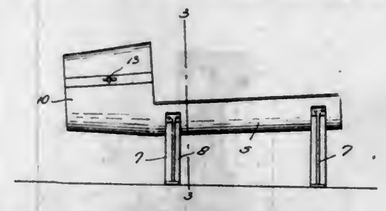
1,632,830. MOLDING AND VULCANIZING APPARATUS. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 12, 1925. Serial No. 49,740. 3 Claims. (Cl. 18—17.)



1. Apparatus for molding annular articles, said apparatus comprising a set of mold members for concurrently molding a plurality of the articles, guiding means, on mold members of the set, outside the mold cavity circle, guiding means adapted to coact with the first said guiding means to guide the mold members into abutted relation, yielding means engaging a terminal member of the set for impelling the mold members, and means engaging mold members of the set outside the mold cavity circle for separating them against the force of the said yielding means, the separating means comprising a carriage movable along the set of mold members and mold-opening means on said carriage.

1,632,831. OPERATING TABLE FOR ANIMALS. JOHN W. GIEST, Ely, Mo. Filed Jan. 7, 1926. Serial No. 79,804. 1 Claim. (Cl. 119—103.)

In an operating table for animals of the class described, a semi-cylindrical trough shaped table, the longitudinal edges thereof terminating in laterally disposed flanges, supporting legs at the front and rear ends of the table, the rear legs being of a greater height than the forward legs in order that the table will be supported in an inclined position, a funnel shaped extension at the forward end of the table, the upper portion thereof being open, and a curved door for said opening, one longitudinal



edge portion of the door being hingedly secured to one edge portion of the opening, the other edge of the door overlapping the other edge of the opening, and securing means for the free edge portion of the door.

1,632,832. SPRING SURFACE BOLT. SAMUEL GOLD, Los Angeles, Calif. Filed July 6, 1926. Serial No. 120,725. 3 Claims. (Cl. 292—152.)

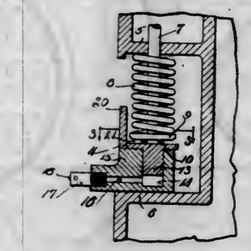


1. A surface bolt including a back plate, a bolt bar slidable endwise on the plate, and a bow spring compressed between the plate and the bar and having a central, outturned horn means to prevent total withdrawal of the bar from the plate; said spring interlocking with the plate against side and end displacement.

1,632,833. METAL PICKLING. JAMES H. GRAVELL, Elkins Park, Pa. Filed Apr. 15, 1926. Serial No. 102,311. 5 Claims. (Cl. 148—8.)

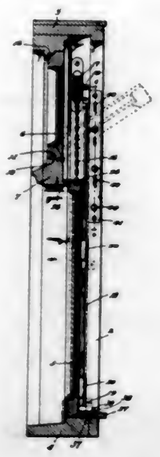
5. Means for confining the etching action of a metal to oxidized portions of metal surfaces which comprise a pickle regulator being an acid soluble water insoluble distillate from animal bodies.

1,632,834. VALVE-LIFTING DEVICE. WHITNEY E. GREENE and ALTON E. MORONG, Brookline, Mass. Filed June 17, 1926. Serial No. 116,644. 2 Claims. (Cl. 29—86.3.)



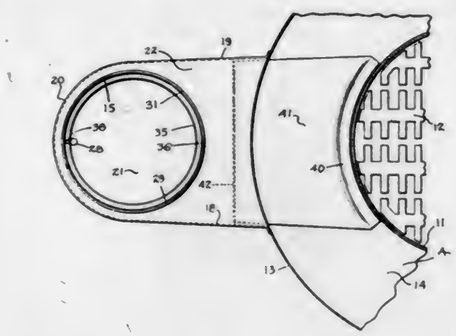
1. A device for simultaneously compressing a plurality of valve springs comprising a lifting plate adapted to engage the under sides of a plurality of valve spring seats, said plate having openings to receive the valve stems, a base member normally supporting said plate, said base member having a chamber and said plate carrying a depending piston movable in said chamber, and means associated with the base member to admit hydraulic pressure to said chamber, thereby to elevate the plate and compress the valve springs.

1,632,835. WINDOW. MICHAEL HÄBERLE, Richmond Hill, N. Y. Filed Dec. 9, 1925. Serial No. 74,338. 1 Claim. (Cl. 20—50.)



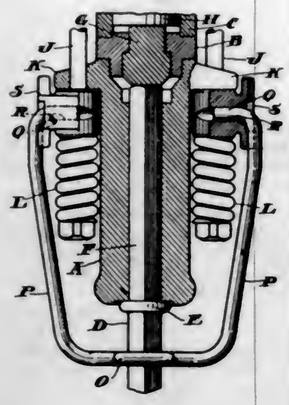
The combination with a window frame having a fixed transom and a sash disposed above the transom and hinged thereto to swing inwardly and downwardly, of a plurality of vertically disposed stops located in a recess formed in a stile of the frame, a plate closing the recess of the stile, vertically arranged levers pivoted intermediate their ends to the plate and having the said stops at one end thereof, and buttons at the opposite end of the levers for projecting the stops into operative position.

1,632,836. AIR-MOISTENING APPARATUS FOR HOT-AIR FURNACES. DANIEL HANDELAN, Minneapolis, Minn. Filed Sept. 1, 1926. Serial No. 132,955. 9 Claims. (Cl. 126—113.)



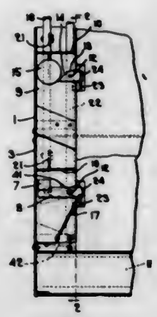
1. In combination with the casing of a furnace, a shoe connected therewith and having an opening along the top thereof, a sleeve attached to said opening and extending inwardly to said shoe, and a peripheral gutter attached to the lower end of said sleeve and leading to one side of said shoe, a duct forming the cold air return of said furnace mounted in said sleeve, and a spray nozzle situated in said duct.

1,632,837. STEEL RETAINER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 7, 1926. Serial No. 127,953. 7 Claims. (Cl. 121—32.)



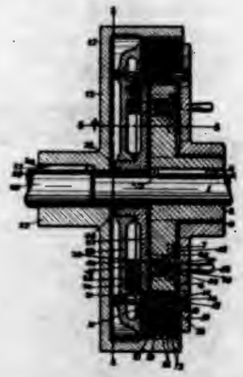
1. In a rock drill, the combination of a cylinder, a front head for the cylinder, a drill steel extending into the front head, side bolts for securing the front head to the cylinder, a yoke for preventing ejection of the drill steel from the front head, side arms on the yoke, hooks on the side arms, and bearings slidable on the side rods to rotatably receive the hooks for supporting the side arms in a plane offset from the longitudinal axis of the front head, said bearings being reversible with respect to the side bolts.

1,632,838. COIN-CONTROLLED APPARATUS. GEORGE F. HIGGINS, Melrose, Mass. Filed Nov. 23, 1921. Serial No. 517,499. 4 Claims. (Cl. 194—59.)



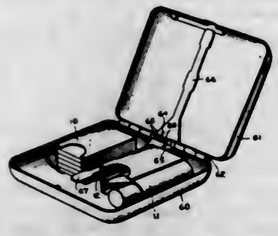
1. In a coin-controlled apparatus, the combination with a plurality of compartments each having an opening, of a closure for each opening, a coin chute, coin slots, one for each closure opening into said chute, a pivoted U-shaped member for each opening, one arm of each member constituting a locking latch for the corresponding closure and the other arm extending into the coin chute, each closure having a latch-engaging part with which the latch engages, a single actuating member constructed to act against any coin deposited in a slot and resting against one arm of one of said U-shaped members thereby to operate through said coin to release the corresponding latch.

1,632,839. AUTOMATIC RELEASING CLUTCH. WILLIAM D. INSKEEP and EDWARD B. PARSONS, San Francisco, Calif. Filed Nov. 19, 1925. Serial No. 70,088. 9 Claims. (Cl. 192—56.)



1. An automatic releasing clutch comprising a member attachable to a driving shaft, a plate revolvably mounted on the said member, a plurality of discs having projections thereon contacting with each other and with the said plate, an end member having slots therein adapted to mesh with the projections on some of the discs, a shaft secured to the end member, an idling plate rotatably mounted on the first named shaft, a disc member revolvably mounted on the idling plate and contacting with one of said discs, means securing the idling plate, the disc member and the first mentioned plate together, and means for disconnecting the disc member from the discs, whereby the rotary movement of the second mentioned shaft may be stopped.

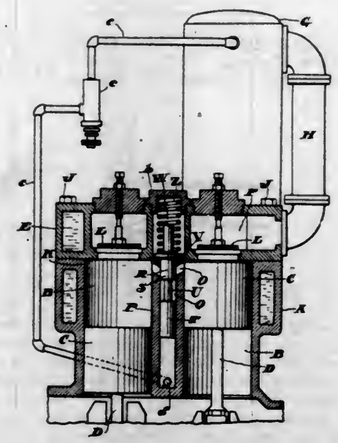
1,632,840. COMBINED CASE AND RAZOR HOLDER. JOSEPH KAUFMAN, New York, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed July 17, 1924. Serial No. 726,485. 6 Claims. (Cl. 206—38.)



1. A receptacle for containing razor parts and accessories and adapted to be received and contained within a conventional cigarette case of a type which is provided with a holding means extending across the interior thereof, said receptacle having a space exteriorly thereof and intermediate its ends within which is adapted to be positioned said holding means whereby the receptacle will be held in predetermined position by said holding means.

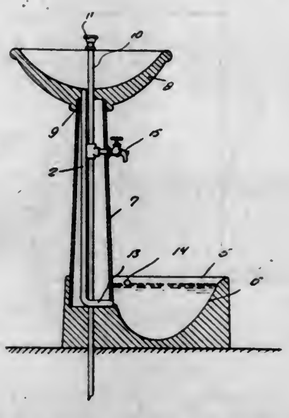
1,632,841. UNLOADING VALVE. JOHN LE VALLEY, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 24, 1926. Serial No. 150,473. 2 Claims. (Cl. 230—22.)

1. In a compressor having a plurality of cylinder chambers, a common wall between the chambers having a passage to establish communication between the chambers, said wall having a longitudinal bore intersecting the passage, and a valve in the bore exposed at one end to



storage pressure whereby it is actuated for establishing communication between the chambers whenever the storage pressure reaches a certain predetermined value.

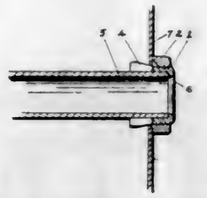
1,632,842. COMBINED DRINKING FOUNTAIN AND ANIMAL TROUGH. HENRY A. LIENING, Detroit, Mich. Filed Nov. 30, 1925. Serial No. 72,271. 1 Claim. (Cl. 299—8.)



A combined drinking fountain and animal trough of the class described, comprising a base having a trough formed in its top side, a vertically extending tube having its lower end set within the base at the rear side of the trough, a fountain bowl, a socket formed on the bottom of said bowl, the upper end of said vertically extending tube being fitted in said socket for supporting the fountain bowl on the upper end of the tube, a water supply pipe extending vertically through the base, the tube, and the bowl, a drinking nozzle on the upper end of the pipe, an additional pipe arranged vertically within the tube, the upper end thereof communicating with the bottom of the bowl, the lower end of the pipe being disposed laterally for communication with the trough whereby the trough may be filled by the overflow from the nozzle which is discharged into the bowl, and a faucet asso-

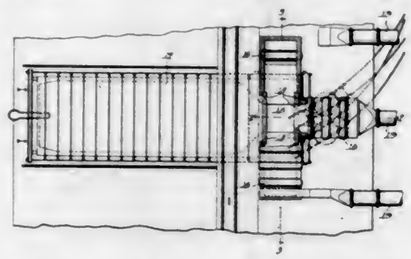
ciated with the water supply pipe and arranged on the outside of the vertical tube above the trough whereby the trough may be initially filled independently of the overflow from the aforementioned nozzle.

1,632,843. CONDUIT BUSHING ADAPTER. THOMAS H. LUDLOW, Rochester, N. Y. Filed May 22, 1925. Serial No. 32,231. 2 Claims. (Cl. 247—25.)



2. An adapter for fastening the cylindrical end of a conduit into the thin wall of a conduit box, comprising a sleeve adapted to extend through the wall of a conduit box and embrace and clamp the conduit therein, a thread on the outside of said sleeve on one end thereof, a compressible hollow cone on the outside of said sleeve beginning at said thread and tapering outward to the other end thereof, the small diameter of said compressible hollow cone being adapted to enter the opening in the wall of the conduit box and a lock nut threaded on the outside of said sleeve to draw said compressible hollow cone into the opening in the wall of the conduit box thereby compressing said hollow cone to grip the end of a conduit located therein, the cone having such a degree of taper that the thin wall of a standard outlet box will be substantially clamped between the nut and the cone at the same time forcing the cone to clasp the conduit.

1,632,844. REVERBERATORY-FURNACE WASTE-HEAT BOILER. ALEXANDER GRANT MCGREGOR, Warren, Ariz. Filed May 21, 1923. Serial No. 640,409. 5 Claims. (Cl. 122—7.)

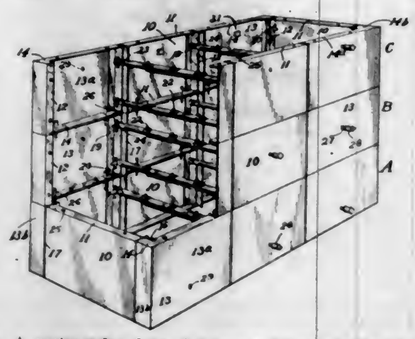


1. The combination with a reverberatory furnace, of an uptake opening at its bottom directly into the chamber of said furnace, said uptake having a plurality of side openings, a plurality of boiler chambers grouped about and closely adjacent to the sides of said uptake and each communicating directly with the chamber of said uptake through one of said openings, and waste heat boilers in said boiler chambers.

1,632,845. CARBONACEOUS MATERIAL AND PROCESS OF MAKING THE SAME. ALFRED OBERLE, Oak Park, Ill. Filed July 31, 1924. Serial No. 729,343. 6 Claims. (Cl. 204—65.)

2. A process for producing carbonaceous material, consisting in heating a carbon resulting from the destructive conversion of hydrocarbons under temperature and pressure conditions in the presence of moisture to drive off the volatile material, subsequently imposing a vacuum action while maintaining the carbon in a highly heated state and treating the resultant carbonaceous material with an acid to remove remaining impurities.

1,632,846. SECTIONAL FORM. AUGUSTUS J. PENOTE, Cleveland, Ohio. Filed Nov. 7, 1924. Serial No. 748,377. 8 Claims. (Cl. 25—131.)



1. A rectangular form for concrete construction work comprising four counterpart corner sections and four counterpart intermediate sections, each intermediate section comprising a flat plate, upper and lower members and end members which are at an angle to said flat plate, each corner section comprising a relatively long plate, a relatively short plate making a right angle with the first named, top and bottom members and two end members which are inclined with respect to the long and the short plates of the corner section, the said end members of adjacent intermediate and corner sections being slightly out of parallel with each other, the inner edges of the respective end members being spaced slightly more than the edges of the respective flat plates and flat divider plates separating the said end members of the intermediate and corner sections and engaging them contiguously.

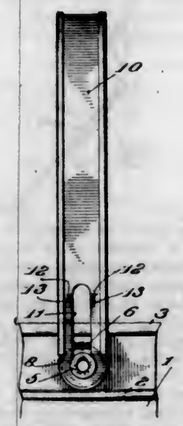
1,632,847. RAIL ANCHOR. GEORGES PICARD, Montreal, Quebec, Canada, assignor to B. J. Coghlin Company Limited, Montreal, Canada, a Corporation. Filed Nov. 11, 1926. Serial No. 147,822. 13 Claims. (Cl. 238—330.)



1. A one-piece rail anchor consisting of a metal bar hooked at one end to engage one edge of the rail base, and looped across its side at the other edge of the rail base to present a vertical end surface to bear against the side of the tire and to provide a spring grip on the other edge of the rail base.

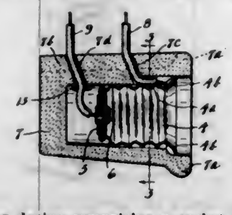
1,632,848. SHEET-METAL CONTAINER. FREDERICK A. PRAHL, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 15, 1926. Serial No. 135,598. 1 Claim. (Cl. 220—94.)

A sheet metal container including a body portion having flat headed pivot studs secured thereto at diametrically opposite points, a flat sheet metal ball having elongated slots at each end thereof, each of said studs having a neck portion of slightly less diameter than the width of the slot and having its head portion of greater diameter than the width of the slot, the metal portion of said ball adjacent the inner end of the elongated slot being cut at angles to the edge of the slot at both sides thereof, the portions of the ball along the slot terminating at the angular cuts therein, being normally deflected



out of the plane of the body portion of the ball to permit the respective heads of the pivot studs to pass along the deflected portions of the ball and the neck portion of the stud to pass into its respective slot.

1,632,849. LAMP SOCKET WITH LEADS ON SIDE. LAMBERT L. RAYMOND, Minneapolis, Minn., assignor to Broderick-Son-Raymond Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 26, 1925. Serial No. 64,838. 3 Claims. (Cl. 173—358.)



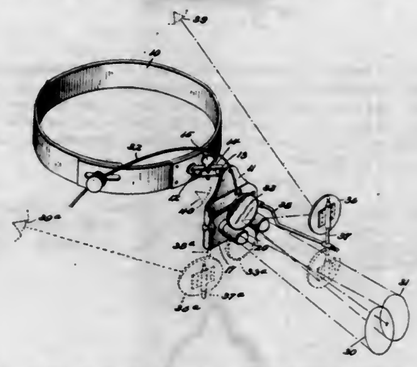
1. A lighting device comprising a socket for an electric lamp having a shell and a tip contact, a one-piece casting for said shell and a conductor for said shell extending into the side of said casing intermediate its ends transversely of the axis of said shell and inclined toward the open end thereof, and a conductor for said tip extending through said casing, both of said conductors lying in a plane extending from the axis of said casing radially toward one side thereof.

1,632,850. CHRISTMAS-TREE REFLECTOR AND LAMP. LAMBERT L. RAYMOND, Minneapolis, Minn., assignor to Broderick-Son-Raymond Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Jan. 25, 1926. Serial No. 83,606. 4 Claims. (Cl. 240—103.)



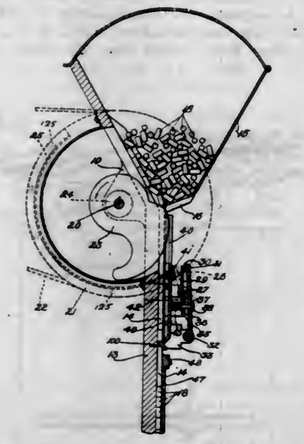
3. The combination of a Christmas tree reflector of symmetrical form having circumferentially spaced reflecting zones, and a lamp bulb disposed centrally of said reflector and having portions thereon adapted to emit light of different kinds, said portions being alined with said zones of the reflector whereby said zones have different reflecting effects produced thereon.

1,632,851. OPERATING HEADLIGHT. WILLIAM PERRY REAVES, Greensboro, N. C. Filed June 7, 1921. Serial No. 475,713. 19 Claims. (Cl. 128—22.)



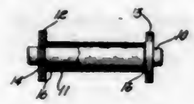
1. In an operating headlight for surgeons, a supporting plate having a central aperture through which the surgeon may view the parts being operated on, and a plurality of electric lamps mounted on said plate in substantially parallel relation.

1,632,852. FEEDING DEVICE. JOHN WILLIAM RICHTER, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 9, 1924. Serial No. 691,862. 6 Claims. (Cl. 90—11.)



1. An article feeding mechanism comprising a receptacle having a feed groove therein for receiving properly positioned articles contained in said receptacle, a feedway communicating with said feed groove, an agitator including a rotating cam blade passing in and out of said feed groove for removing improperly positioned articles therefrom and engaging properly positioned articles in said feed groove to thereby facilitate the passage of properly positioned articles into said feedway, and means actuating in response to the position of the uppermost article in said feedway for controlling the passage of additional articles therein.

1,632,853. METHOD OF INSULATING CORES. GEORGE LYNDEN ROCK, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1926. Serial No. 138,720. 6 Claims. (Cl. 175—21.)



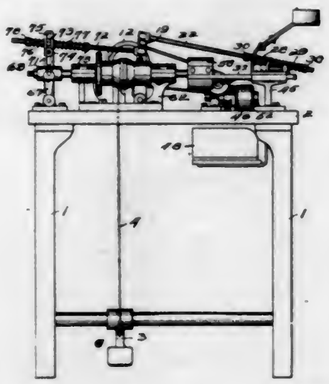
1. A method of insulating cores of electromagnetic coils, consisting in applying insulating material to the core, and then assembling a spool head upon the core in such manner that a portion of the insulating material is spread outwardly to bridge the junction between the core and the spool head.

1,632,854. NURSING NIPPLE. ALMERIN E. ROGERS, Placentia, Calif. Filed Mar. 14, 1923, Serial No. 625,039. Renewed Nov. 10, 1926. 3 Claims. (Cl. 128—252.)



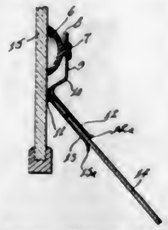
1. A nursing nipple formed in one piece having soft flexible rubber at one end and hard rubber on the opposite end to provide screw threads.

1,632,855. NUT-TAPPING MACHINE. CHARLES E. ROSS, Amsterdam, N. Y., assignor to The Collette Manufacturing Company, Amsterdam, N. Y., a Corporation of New York. Filed May 29, 1922. Serial No. 564,421. 4 Claims. (Cl. 10—139.)



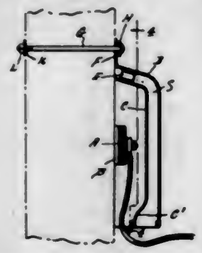
1. In a nut tapping machine, a clutch, a pair of rotative members, means for rotating the members in opposite directions, a slide for receiving blanks, a tap, a member connected to the clutch and to the slide for moving the clutch and the slide in the same direction and to connect one or the other of the rotative members to the tap, a yielding member interconnecting the slide and the first named member.

1,632,856. MAP HOLDER. ALBERT O. RUNNING, Dallas, Wis. Filed Oct. 19, 1925. Serial No. 63,471. 1 Claim. (Cl. 248—39.)



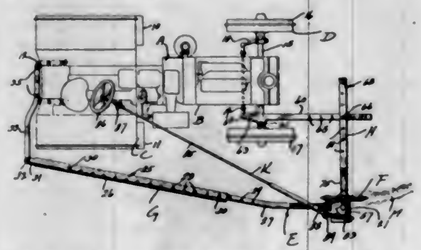
A card holding device comprising a resilient vacuum cup adapted to be secured to a windshield having a knob, a metal holding member consisting of a single piece of sheet metal having an opening adapted to be forced over the knob to secure the holding member to the knob, said holding member being bent toward said windshield to engage the latter, and having integral opposed spring fingers bent downwardly and outwardly in substantially parallel relation, the ends of the opposing spring fingers being bent away from each other, and said fingers being arranged to receive and retain a card in an inclined position with respect to the windshield.

1,632,857. HEATING ELEMENT FOR MOTOR RADIATORS. JOSEPH E. SCHELL, Cleveland Heights, Ohio. Filed Feb. 20, 1926. Serial No. 89,620. 5 Claims. (Cl. 219—38.)



1. A heating device for motor radiators comprising an electrical heating element adapted to be attached to a radiator, a reflector secured to said heating element to reflect radiated heat against the radiator, a casing secured to said reflector and spaced therefrom whereby to provide a passageway for air between said reflector and casing.

1,632,858. TRACTOR GUIDE. JOSEPH R. SMID, Fowler, Kans. Filed Jan. 8, 1926. Serial No. 80,125. 15 Claims. (Cl. 97—49.)



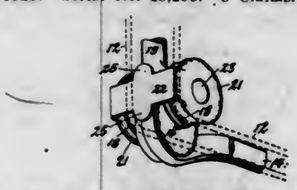
1. In a vehicle steering guide attachment the combination with a vehicle including supporting wheels and steering gear therefor, a steering rod connected with the steering gear for movement therewith and projecting forwardly of the tractor, a furrow wheel, means dirigibly connecting the furrow wheel in adjustable relation with the forward end of said steering rod, means adjustably connecting said furrow wheel in pivoted relation with said vehicle rearwardly of the steering gear, and means for manually operating said furrow wheel.

1,632,859. TOOTHBRUSH. ROYDEN EDWARD STRAEHLY, Chicago, Ill. Filed May 25, 1925. Serial No. 32,676. 1 Claim. (Cl. 15—172.)



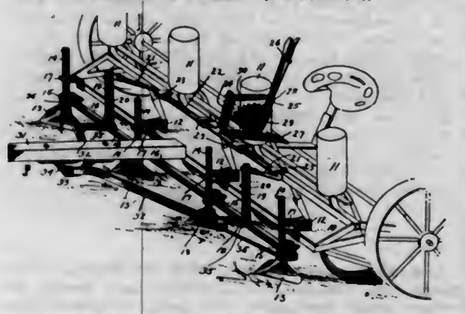
A tooth brush comprising a body provided with brush elements and also having a transverse recess in its under face that extends substantially across the body, an angularly adjustable handle extending from the body, a pivot pin projecting through the handle and body and projecting into the recess, a head on the outer end of the pin and contacting with the outer face of the handle, and a bowed resilient element accommodated in the recess and attached to the inner end of the pivot pin, the resilient element acting to draw the head of the pin into frictional contact with the handle whereby to cause the latter to frictionally engage the body and also serving to lock the body against axial movement on the pivot pin.

1,632,860. DENTAL HANDPIECE WRIST-JOINT GUARD. GEORGE A. TERRY, Buffalo, N. Y. Filed Aug. 5, 1925. Serial No. 48,295. 5 Claims. (Cl. 32—21.)



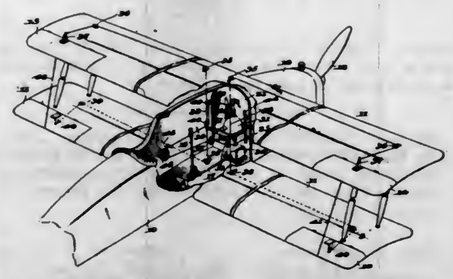
1. A guard for a dental hand piece wrist joint having a pintle and belt guide pulleys mounted on said pintle, said guard comprising guard disks adapted to be arranged along the outer sides of said pulleys and to resiliently engage the opposite ends of the pintle, and a cross piece connecting the disks.

1,632,861. ATTACHMENT FOR SEED PLANTERS. FRANK THIETTEN, Twin Falls, Idaho, assignor of one-third to Clifton I. Davis and one-third to William S. Thietten, Twin Falls, Idaho. Filed Dec. 17, 1923. Serial No. 681,129. 3 Claims. (Cl. 97—194.)



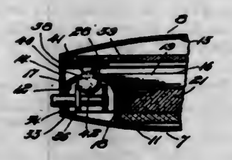
1. An attachment constituting an auxiliary for planters' using, furrow openers comprising shovels, a cross bar to which the shovels are attached, the shovels having vertical shanks, guides for the shanks for attachment to the planter frame in advance of the furrow openers thereof, hand operated means adapted to be mounted on said frame acting on said bar to move the same and the shovels vertically, draft bars extending between said shovel supporting bar and means for attachment to the draft tongue of the planter.

1,632,862. AIRPLANE. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 21, 1921. Serial No. 471,309. 9 Claims. (Cl. 244—29.)



2. In an airplane having wings, ailerons pivoted to said wings at opposite sides of the center of the airplane, a control stick, a control unit, operative connections between said stick and said unit and a connection between said unit and said ailerons whereby the movement of said stick will tilt the ailerons at the opposite ends of the wings in opposite directions, a second control member independent of said first control member and operative connections between said second control member and the aileron control unit whereby movement of said second control means will cause all of the ailerons to tilt simultaneously in the same direction to provide a braking effect for the airplane while said stick remains stationary.

1,632,863. FASTENING MEMBER FOR VANITY CASES. ALBERT WEBER, Providence, R. I. Filed Oct. 15, 1926. Serial No. 141,747. 4 Claims. (Cl. 292—80.)



1. In a fastening member for a vanity case, two sections hingedly connected, an entrant member carried by one section, a housing flange carried by the other section and provided with a hole in the path of the entrant member and of less breadth than the entrant member, said flange being provided also with slots extending from the sides of the hole and with slots communicating with the first slots and disposed transversely thereto.

1,632,864. VANITY CASE. ALBERT WEBER, Providence, R. I. Filed Oct. 15, 1926. Serial No. 141,748. 5 Claims. (Cl. 132—83.)

5. In a vanity case, two sections comprising bodies and peripheral side flanges, hinge sleeves integral with the bodies, one of said sleeves being provided adjacent one of

the flanges with an oblong notch, a hollow pintle within the sleeves, a tubular holder slidably mounted in the pintle provided with a bayonet slot near its end, a cup



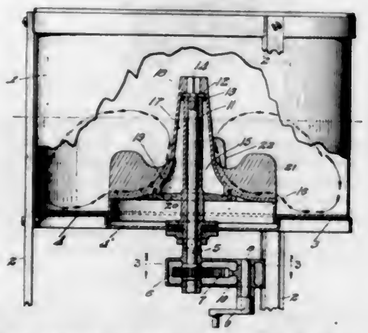
slidably mounted in the holder, a lip stick in the cup, and a knob fast to the cup extending through the slot and notch and enclosed by the flanges.

1,632,865. CLUTCH-OPERATING MECHANISM. JAMES F. WAIGHT, Cleveland, Ohio, assignor to The McMyler Interstate Company, Bedford, Ohio, a Corporation of Ohio. Filed Dec. 9, 1922. Serial No. 605,829. 3 Claims. (Cl. 192—96.)



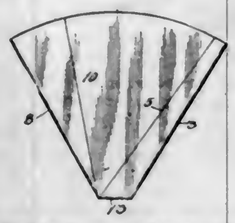
1. In a clutch controlled mechanism, the combination with a hollow shaft, cooperating clutch members on said shaft and a longitudinally movable clutch operating push pin within the shaft and rotatable therewith, of means for shifting the push pin in either direction comprising a bracket sleeved upon an end of said shaft and held against rotation with the shaft, said bracket having arms on opposite sides of the shaft which project past the end of the shaft, a collar loose upon said push pin beyond the end of said shaft, said collar being held against longitudinal movement with respect to the push pin, and a lever having a forked end straddling the push pin and pivoted on said arms, said lever having a part engaging said collar to shift said push pin.

1,632,866. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill. Filed July 2, 1925. Serial No. 41,147. 2 Claims. (Cl. 259—101.)



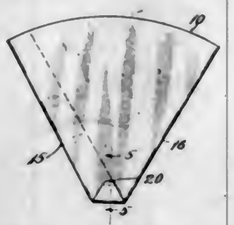
1. In a washing machine, a tub having a substantially flat bottom wall provided with a centrally disposed depressed annular seat forming a shroud for a dolly, a shaft passing up through the depressed portion of said bottom wall, a dolly removably and operatively connected with the upper end of said shaft and having its washing surface above the flat bottom portion of said bottom wall and provided with a depending and peripheral annular apron operative within said shroud, and a plurality of radially arranged baffles upstanding from the washing surface of said dolly.

1,632,867. FOLDING PAPER CUP. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed July 3, 1922. Serial No. 572,522. 4 Claims. (Cl. 229—1.5.)



4. A flat folded cup, comprising two registering sides each the shape of a truncated sector, said sides having creases extending from points in the curved edge of the cup to opposite ends of said truncated edge.

1,632,868. PAPER CUP AND BLANK FOR MAKING THE SAME. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1923. Serial No. 617,672. 4 Claims. (Cl. 229—1.5.)



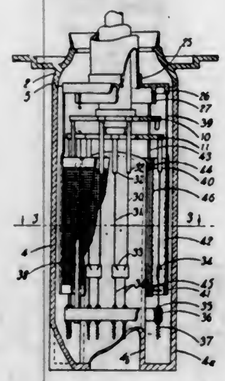
1. A sector-shaped cup, embodying a turned-up end at the point of the cup comprising a plurality of superimposed layers of material of substantially equal area, and an exterior layer slightly longer than the others so as to project beyond the underlying layers.

1,632,869. PAPER CUP. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., a Corporation of Illinois. Continuation of applications filed July 3, 1922, Serial Nos. 572,518 and 572,519. This application filed Oct. 2, 1925. Serial No. 60,121. 9 Claims. (Cl. 229—15.)



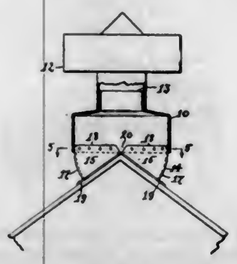
1. A blank adapted to be folded for forming folded paper cups, embodying a sectorlike body having its straight edges terminating in a point, one edge being adapted to be folded into a flap, said body having a notch in its other edge at the meeting point of the folds.

1,632,870. THERMIONIC VALVE. ALBERT CHARLES BARTLETT, Watford, and ROBERT LE ROSSIGNOL, Harrow, England, assignors to The General Electric Company Limited, London, England. Filed Nov. 17, 1926, Serial No. 148,936, and in Great Britain June 9, 1925. 3 Claims. (Cl. 250—27.5.)



1. A thermionic valve having an envelope consisting in part of a metal anode, said anode being formed with a re-entrant portion producing an annular internal vacuous space.

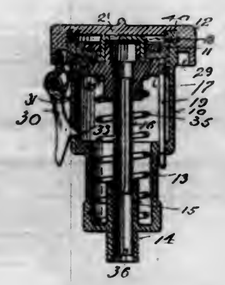
1,632,871. VENTILATOR. EDWARD F. BEACH, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 16, 1923. Serial No. 612,976. 1 Claim. (Cl. 98—60.)



A ventilator base comprising a hollow upper member having provision for connection with a ventilator, and a lower member composed of two parts or halves, each having curved outer end walls and upright side walls separated at their inner ends by a substantially V-shaped notch and connected together at their bottom portions by outwardly extended side flanges capable of being bent to move the two halves into different positions with relation to each other.

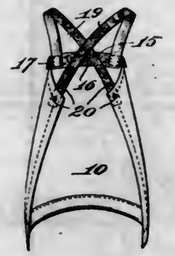
1,632,872. AUTOMATIC GREASE CUP. CHRISTOPHER H. BERRY, Newark, N. J. Filed Aug. 4, 1925. Serial No. 48,059. 5 Claims. (Cl. 184—48.)

1. A grease cup comprising a cup body open at the top and having a stem with a restricted passage therethrough a piston in said cup, said piston having a hollow stem and a lubricant regulating device for controlling the flow of the lubricant through said stems, means on said cup body for engaging said piston to hold the same



in depressed position while the cup is being filled, and a cover for said cup, said cover having a cam surface for releasing the piston engaging means.

1,632,873. APRON. ANNA M. H. BLISS, Long Beach, Calif. Filed Sept. 25, 1924. Serial No. 739,841. 2 Claims. (Cl. 2—48.)

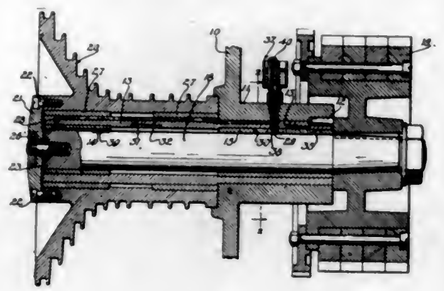


1. In an apron, the combination with an apron body formed of a one-piece section of plain smooth flexible material, provided adjacent to its upper edge with a series of buttonholes, of a one piece yoke folded on a centrally disposed longitudinally extending line to form front and rear portions, buttons secured on the inner face of the rear portion of said yoke, which buttons are adapted to engage through certain of the buttonholes in the apron body, the front portion of said yoke depending and overlying the front upper edge of the apron body so as to cover the button and button hole connections between said yoke and apron body and straps secured to the ends of the rear portion of said yoke and adapted to be detachably connected to the upper portions of the sides of said apron body.

1,632,874. MEANS FOR LUBRICATING BEARING SURFACES. HARRY BLOUNT, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1924. Serial No. 747,771. 2 Claims. (Cl. 308—125.)

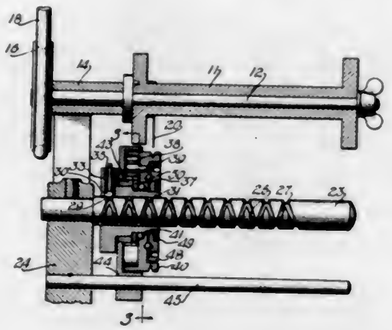
1. The combination with a frame, a sleeve carried thereby provided with a plurality of separated bearing surfaces, a driving shaft mounted within the sleeve, a driven member rotatably mounted upon the periphery of the sleeve and operatively connected to said shaft, of a lubricant container carried by said frame, said sleeve

provided with a duct extending longitudinally thereof and communicating at each end with an angularly disposed duct, the duct at one end communicating with said lubri-



cant container, and a wick lying in said duct and its angularly disposed branches and engaging with all the bearing surfaces.

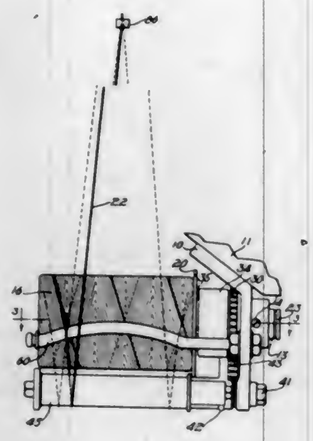
1,632,875. STRAND-HANDLING APPARATUS. GEORGE ALFRED BOUVIER, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 22, 1924. Serial No. 745,095. 8 Claims. (Cl. 242—158.)



1. A mechanism for distributing a strand on a spool as it is wound thereon comprising a member rotated by the strand and having an axis in the same plane as the axis of the spool, means rotated at a different speed by the member, and means for causing displacement of the last mentioned means along its axis when it is so rotated.

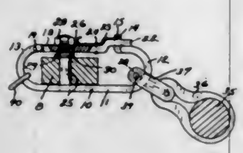
1,632,876. STRAND-TENSIONING DEVICE. GEORGE ALFRED BOUVIER, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1925. Serial No. 59,468. 5 Claims. (Cl. 242—156.)

1. In a mechanism for regulating the tension of a strand as it is withdrawn from a package thereof, a stationary member, a spindle for holding a strand package and rotatably mounted in the stationary member, a disc member rotatable with the spindle, a friction member coaxial therewith, resilient means associated with the friction member, a member associated with the resilient means for maintaining the friction member in engagement with the disc member, said member associated with the resilient means being threaded on the stationary member and having a gear toothed section associated therewith, a bell crank having a gear segment on one arm thereof engaging the toothed section of the member associated with the resilient means, a strand guiding member associated with the other arm thereof over which



the strand is withdrawn, the bell crank actuating in response to changes in the tension of the strand as it passes over the guiding member, thereby rotating the member associated with the resilient means to vary the effectiveness of said resilient means.

1,632,877. CLEVIS. KARL BRZECINSKI, Mauston, Wis. Filed July 15, 1925. Serial No. 43,878. 1 Claim. (Cl. 278—96.)

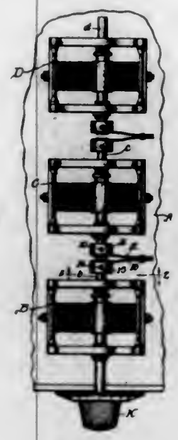


A clevis for an evener bar, said clevis comprising side and end members forming a substantially four-sided link, one of said side members being movable to open and close the link, means for securing said member in closed position, a post fixed to one of said side members intermediate the ends of the latter and extending across the link into an aperture in the other member when the link is closed, said post being adapted to extend through the evener bar to permit relative pivotal movements of the bar and clevis about it, and an abutment member disposable adjacent the free end of said post within the bounds of the closed link, said abutment member serving to retain the clevis and bar in operative relation when the link is open, the end members of said link being engageable with draft and drag chains respectively.

1,632,878. RADIO CONDENSER COUPLING. HARRY A. BREMER, Chicago, Ill. Filed May 24, 1926. Serial No. 111,146. 2 Claims. (Cl. 175—41.5.)

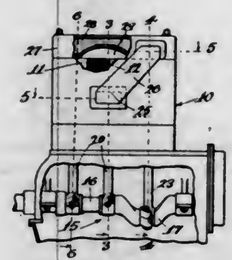
1. In radio receiving apparatus, a plurality of condensers arranged with their shafts end to end, opposed

arms fast on adjacent ends of adjacent shafts, one of said arms having a radial slot, and a projection on the



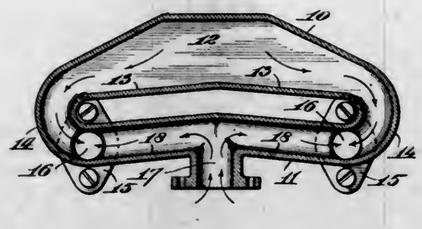
other arm having tapered sides engaged with the longitudinal edges of said slot, said projection being capable of play lengthwise of said slot.

1,632,879. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Feb. 4, 1924. Serial No. 690,648. 3 Claims. (Cl. 123—53.)



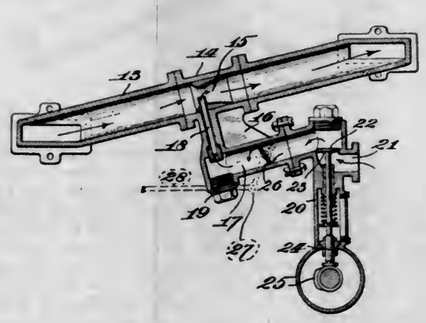
3. In an internal combustion engine, a two stroke cycle function unit, two combustion cylinders, each having ports formed in their respective walls and each of the cylindrical chambers formed within the two cylinders being joined with the other at the head end by a connecting chamber, a piston arranged for operation within each of the said two combustion cylinders, a crank shaft, the said two pistons of the combustion cylinders being separately connected to said crank shaft, a third cylinder the axes of the three cylinders being arranged parallel with each other and in the same plane, a sleeve arranged for operation within said third cylinder, a third piston separately connected to the crankshaft and arranged for operation within said sleeve, the crank to which the two combustion pistons are connected being disposed substantially 225° in advance of the other crank, in the direction of crank rotation, there being ports formed in the wall of the third cylinder for the admission of gaseous fuel mixture, the sleeve within the third cylinder arranged so as to function as a valve for opening and closing said admission ports of the third cylinder, a cylinder head common to each of the three cylinders, an arrangement of the cranks of the crank shaft, whereby the piston of the third cylinder pumps a charge of fresh gas into the two cylinder chambers joined by the common clearance chamber, once each revolution of the crank shaft and means for operating the sleeve, whereby the ports of the third cylinder are opened for the full duration of each suction stroke of the piston within the sleeve and the third cylinder successively.

1,632,880. INLET MANIFOLD FOR INTERNAL-COMBUSTION ENGINES. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed July 31, 1924. Serial No. 729,299. 2 Claims. (Cl. 123—52.)



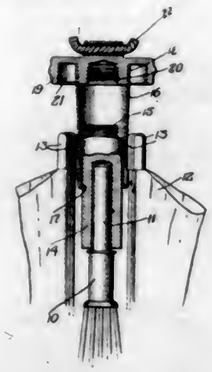
1. A gaseous fuel inlet manifold comprising a housing having upper and lower chambers, one of which is arranged directly above the other, the ends of which are connected by short vertically disposed curved ducts, the upper chamber being substantially larger in area than the lower chamber, the connected ends of the two chambers being provided with outlet openings, the intermediate portion of the lower chamber being provided with an inlet opening and the bottom surfaces of both chambers being formed so as to provide gravity drainage from their intermediate portions toward both of said outlet openings.

1,632,881. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed May 21, 1925. Serial No. 31,804. 2 Claims. (Cl. 123—59.)



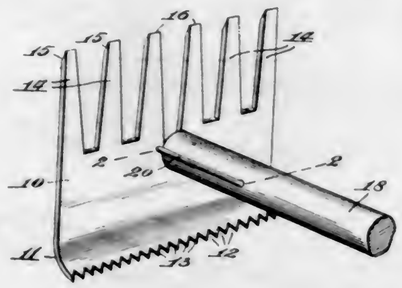
2. In combination with an internal combustion engine having a pumping chamber and a combustion chamber, a duct leading from said pumping chamber to said combustion chamber, said duct having a Venturi restriction therein, means for admitting a dilutent volume to said duct adjacent to said Venturi restriction and valvular means associated with said admission means for controlling the passage of dilutent volume therethrough.

1,632,882. PARASOL. LOUIS A. CAPALDO, New York, N. Y. Filed June 12, 1926. Serial No. 115,504. 4 Claims. (Cl. 135—44.)



1. In a parasol or umbrella, an umbrella stick, said umbrella stick having a tapered member attached thereto, a tapered sleeve fitting over said member and slidable with respect thereto, said tapered sleeve being attached to the handle head, and cooperating threads on the handle head and on the tapered member so as to detachably secure same to each other, and rib-tip confining means associated with said handle head.

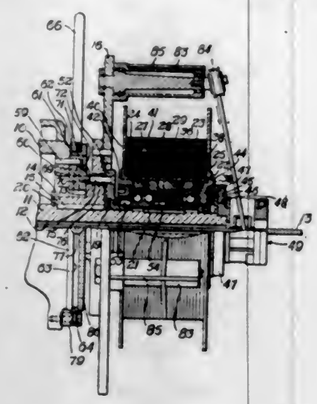
1,632,883. COMBINED WEED CUTTER AND CULTIVATOR. GEORGE M. CARKEY, Los Angeles, Calif. Filed Sept. 16, 1926. Serial No. 135,766. 1 Claim. (Cl. 97—62.)



In a combined weed cutter and cultivator, a plate having a portion of its body near one edge curved slightly to the side of the plane occupied by the main body portion of the plate, the edge of said plate adjacent to said curved portion being provided with a row of relatively small V-shaped teeth having beveled cutting edges, a series of straight prongs projecting from the opposite edge of said plate, a prong formed integral with and projecting at right angles from the center of said plate and a handle secured to said prong.

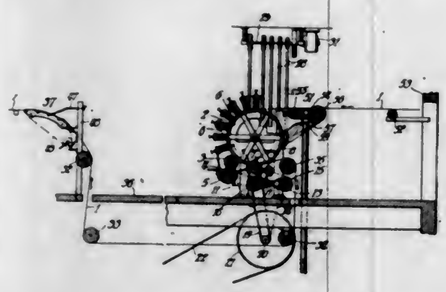
1,632,884. SERVING MACHINE. HERBERT FRED CARTER, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 16, 1925. Serial No. 69,472. 12 Claims. (Cl. 117—41.)

1. In a serving machine, a rotatable element having an aperture through which a core passes, a material supply reel associated with said element, means positioned centrally of the supply reel through which power is communicated to said supply reel from said element, and



adjustable means operable during the rotation of the supply reel for controlling said means to alter the amount of power communicated to said reel.

1,632,885. WEB-COATING APPARATUS. CHARLES C. COLBERT and GEORGE E. PRESTON, Elkhart, Ind., assignors to American Coating Mills, Elkhart, Ind., a Corporation of Indiana. Filed Feb. 6, 1924. Serial No. 690,995. 6 Claims. (Cl. 91—17.)

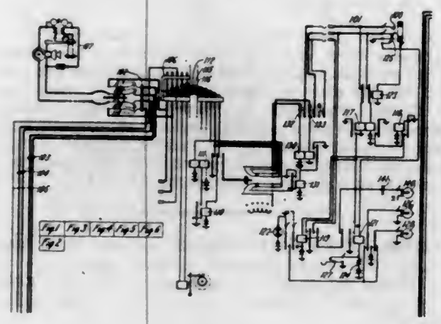


1. An apparatus of the class described comprising, in combination, a web coating machine having a rotating cylinder around which the web is drawn and means for coating the web on the side thereof exposed on said cylinder; preceding equipment in engagement with which the web is drawn against a frictional resistance; said preceding equipment arranged substantially remote from said machine, with an intervening clear floor space in front of said machine; and a set of rollers engaged by the web between said preceding equipment and machine, said rollers arranged to cause the web to travel from said equipment downwardly through the floor and thence along under the floor and up therethrough to a point below said machine and thence reversely around said cylinder on the side thereof confronting said preceding equipment; whereby the web is drawn through said machine under tension and in such manner as to expose on said cylinder the top side of the incoming web and to discharge the web coated side up from the top side of said cylinder in the same direction away from the apparatus that the web is drawn toward the apparatus.

6. An apparatus of the class described comprising, in combination, a coating appliance; a preceding web guide

comprising parallel guide members between which the web is drawn from its source of supply; means for simultaneously adjusting said guide members to suit the width of the web; and means interposed between said coating appliance and guide for guiding the web.

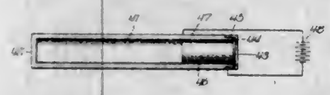
1,632,886. TESTING SYSTEM. LOUIS T. COX, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1924. Serial No. 758,558. 12 Claims. (Cl. 179—175.)



1. In an automatic telephone exchange system, subscribers' lines adapted to be connected by means of a line switch to a selector switch, an operator's desk, an indicating device at said desk, means for inserting said indicating device between one of said subscribers' lines and said line switch, means in said indicating device operated in one manner during the normal progress of a call and operated in a different manner to indicate failure of the line switch to operate.

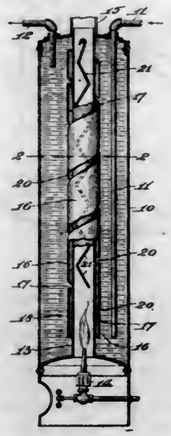
3. In a wire chief's testing system, a test circuit comprising a plurality of keys and associated apparatus for testing subscribers' lines and terminating in a plug, a jack ended trunk circuit, a series of automatic switches controllable from said test circuit with said plug inserted in said jack to connect said test circuit with a subscriber's line and means in said trunk circuit automatically responsive to the removal of said plug from said jack for preventing the release of said switches when said plug is removed from said jack.

1,632,887. BLASTING CARTRIDGE. JOHN H. CRAWFORD, ARTHUR W. HELMHOLTZ, and DENT FERRELL, Harrisburg, Ill., assignors to Safety Pressure Mining & Equipment Company, Harrisburg, Ill., a Corporation of Illinois. Filed May 3, 1924, Serial No. 710,724. Renewed Dec. 19, 1925. 2 Claims. (Cl. 102—5.)



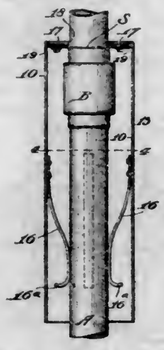
1. A blasting cartridge comprising a rigid casing, one end of the casing being adapted to be ruptured to release the contents in an inward direction only by a predetermined pressure in the casing, the remainder of the casing being of greater strength than said portion, a charge of carbon dioxide in the non-gaseous state in the casing and means for raising the temperature of the carbon dioxide to and above the critical temperature of the non-gaseous carbon dioxide.

1,632,888. WATER HEATER. LEWIS F. DAVIS and LOUIS W. SCHNEPP, Huntington Beach, Calif. Filed Aug. 28, 1923. Serial No. 659,735. 4 Claims. (Cl. 122—159.)



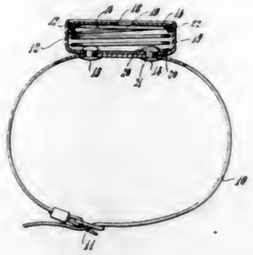
1. In a device of the character described having a water containing tank and a heating flue extending vertically therethrough, the combination with said heating flue of a restricted duct spirally disposed around said flue, said duct having a restricted opening extending along its lower edge and through which restricted opening the duct has exclusive communication with the tank contained water.

1,632,889. OIL SAVER AND ANTISPLASHER. LEWIS F. DAVIS, Huntington Beach, Calif. Filed July 3, 1924. Serial No. 723,937. 2 Claims. (Cl. 166—16.)



1. In an oil saver and anti-splasher, a substantially cylindrical housing formed in two parts that are hinged to each other whereby the device may be detachably applied to well tubing so as to enclose one of the joints thereof, the hinged edges of the parts of which housing overlap each other when the housing is closed so as to form a substantially oil-tight joint, handles projecting from the front portions of the two parts of the housing whereby the latter may be manually manipulated when applied to or removed from well tubing, means at the top of said housing for producing a leak-proof joint between said housing and the tubing to which it is applied and flat springs having their upper ends secured to the parts of the housing on the interior thereof, which springs extend downwardly and inwardly and are adapted to frictionally engage the well tubing to which the housing is applied.

1,632,890. WRIST PASTE CONTAINER AND DISTRIBUTOR. GENNARO DE PAMPHILIS, New York, N. Y. Filed May 29, 1926. Serial No. 112,680. 1 Claim. (Cl. 220—93.)

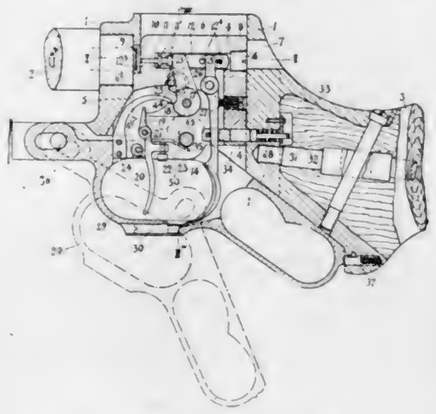


A combined container and dispenser for paste comprising a cylindrical box struck from a single sheet metal blank open at the top and having a flat bottom, a cover having an inturned beaded edge close fitting said box, a helical spring secured at one end to the bottom of the box and having its opposite end coil fixedly embedded in the cover bead, and a single central vent in said cover to permit passage of the paste.

1,632,891. METHOD OF PREPARING SATIN WHITE. JOHN F. FREDRIKSSON, Brooklyn, N. Y., assignor to The Kalbfleisch Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1925. Serial No. 7,154. 9 Claims. (Cl. 134—18.)

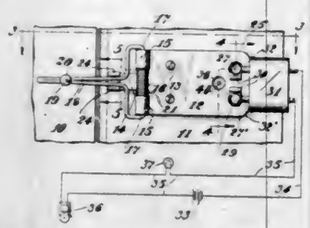
1. The herein described method of producing satin white, which consists in mixing hydrate of lime and basic sulphate of alumina liquor and a relatively small quantity of water, and permitting the mixture to react at ordinary room temperature without further operations thereon.

1,632,892. FIREARM. KARL JOHAN GLANS and JÖNS EMANUEL GLANS, Stockholm, Sweden. Filed Feb. 26, 1926. Serial No. 90,716. 2 Claims. (Cl. 42—23.)



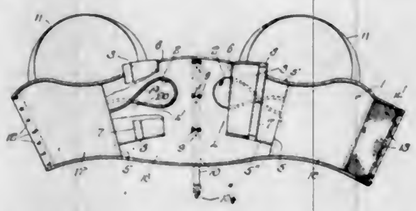
1. In a breech-loading firearm, the combination of a firing-pin, a firing mechanism co-acting with said firing-pin, and a setting device adapted to act upon said firing-pin so that the firing-pin is held under pressure against a cartridge carried by the firearm when the firing mechanism is in its firing position.

1,632,893. DOOR ALARM. MARIE GLAUS, Union City, N. J. Filed Mar. 18, 1926. Serial No. 95,558. 1 Claim. (Cl. 116—87.)



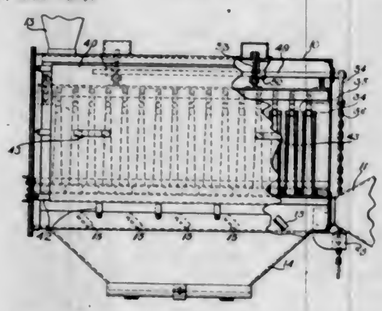
An alarm device comprising in combination with a stationary object and a movable object, of a plate fixed on the stationary object, a spring actuated lever arm pivoted on said plate to swing in a horizontal plane outwardly into the path of said movable object, spring keepers on said plate to engage opposite edges of said arm when extended outwardly in spaced parallel relation therewith, a hammer carried by said arms, and a cartridge accessible through said plate by the hammer.

1,632,894. NURSING BRASSIÈRE. JESSIE M. HABERKAMP, Chicago, Ill., assignor to The Charles H. Scott Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 10, 1923. Serial No. 667,671. 1 Claim. (Cl. 2—42.)



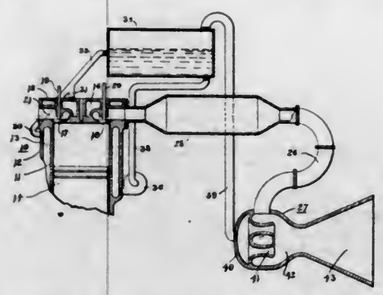
A nursing bandeaux the bosom part of which includes a breast receiving member formed from a single flat piece of fabric, the ends of which are deeply notched in horizontal alinement, and the arms formed thereby being mutually overlapped at their outer ends, whereby said member is form-fitted to the breasts.

1,632,895. CLEANER. THOMAS HAGELTHORN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1923. Serial No. 623,151. 2 Claims. (Cl. 183—58.)



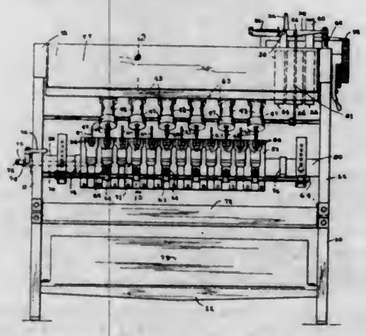
1. A cleaner comprising an enclosure, a plurality of screens dividing said enclosure into two compartments, one above and the other below the screens, an exhaust duct connected with said upper compartment, said lower compartment terminating in a storage receptacle, an intake passage connected with said lower compartment, and a plurality of upwardly inclined spaced baffles arranged between the screens and the storage receptacle and in line with said intake passage whereby the incoming medium is distributed at a plurality of points to said screens and is directed away from said storage receptacle.

1,632,896. EXHAUST DEVICE FOR ENGINES. HERBERT T. HERR, Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1920. Serial No. 434,368. 2 Claims. (Cl. 60—32.)



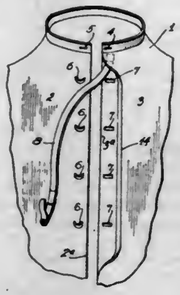
1. A means for utilizing heat energy transmitted by the walls of an internal combustion engine having a cylinder with a fuel admission valve and an exhaust valve communicating with one end thereof, comprising water jackets for the walls of the cylinder, a steam separating chamber, means for producing a positive circulation of water through the water jackets and steam separating chamber for generating a continuous supply of steam, a chamber, means for delivering exhaust gases through the exhaust valves to the chamber, an ejector arranged to maintain a sub-atmospheric pressure in the chamber and the exhaust means, and a conduit for delivering a continuous supply of steam from the separating chamber to the ejector, whereby a sub-atmospheric pressure is maintained within the cylinder during the exhaust stroke of the engine for the purpose of producing a secondary power stroke upon the exhaust stroke of the engine.

1,632,897. THREAD-CUTTING MACHINE. ARTHUR S. HOLMES, Oshkosh, Wis. Filed Sept. 11, 1922. Serial No. 587,452. 5 Claims. (Cl. 10—139.)



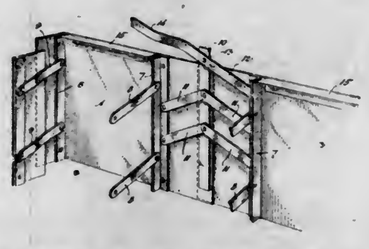
3. In a machine of the class described, a frame; a power shaft rotatably mounted in said frame; a plurality of rotatable spindles driven by said shaft, each of said spindles being provided with means for rigidly holding a threading tool; tools carried by said holding means; a transverse slide bar rigid with said frame; a jig carriage slidably mounted on said bar; a plurality of sets of jigs slidably mounted on said carriage for movement axially of said tools; means for moving said carriage transversely of said tools to bring different sets of jigs into approximate alignment therewith; means for moving said sets of jigs axially of said tools, means for reversing the motion of said shaft; and means carried by said jigs for actuating said reversing means.

1,632,898. FASTENER FOR SHIRTS, COATS, AND THE LIKE. JOHN A. HUGHSON, New York, N. Y. Filed Jan. 24, 1927. Serial No. 162,954. 4 Claims. (Cl. 2—128.)



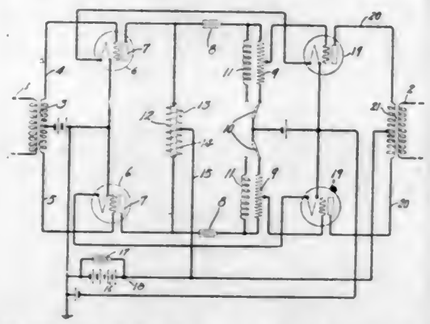
1. A garment provided with an opening extending downwardly thereof, a series of loops secured to one side of the opening in vertical spaced apart relation to one another, and adapted to extend through correspondingly positioned holes formed in the garment adjacent the opposite side of the opening, when said latter side of the opening is in overlapped relation with respect to the former side, a tongue permanently secured at its upper end to the overlapping side of the opening above the uppermost hole therein and which tongue is adapted to be threaded downwardly through the several loops in succession after said loops have been passed through the holes, and a flap sewed to the overlapping side of the opening and adapted to normally overlie the holes, loops and tongue for the purpose of covering and concealing the same.

1,632,899. COLLAPSIBLE MOLD CORE. COLIN HUTCHINS, Leamington, Ontario, Canada. Filed Nov. 1, 1924, Serial No. 747,207, and in Canada Nov. 22, 1923. 3 Claims. (Cl. 25—128.)



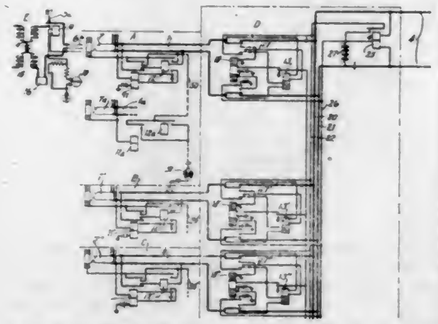
1. A collapsible core comprising front and rear wall sections, each comprising a pair of relatively extensible angle plates, toggle means for extending said plates, a lever for the operation of said toggle means, links connecting the front wall sections to the rear wall sections, and means whereby one of said sections may be lifted relatively to the other to facilitate removal of said core from a mold after use.

1,632,900. REPEATER CIRCUITS FOR MULTIPLEX SYSTEMS. JACOB S. JAMMER, Cumberland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 6, 1921. Serial No. 482,708. 1 Claim. (Cl. 179—171.)



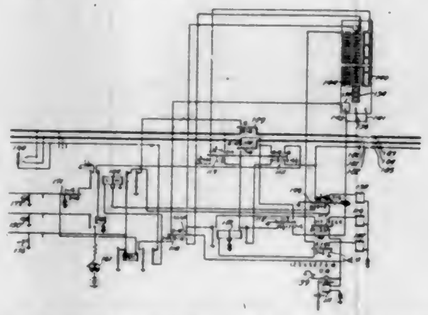
An amplifier circuit for preventing modulation during repeating and comprising a pair of space discharge devices, each having a cathode, an anode and a grid element, an incoming circuit, an outgoing circuit, means connecting said incoming circuit differentially to the grid and cathode elements of said two devices, means connecting the cathode and anode elements of said devices equally and oppositely to said outgoing circuit, said last mentioned means including a coupling impedance with its mid-point connected to the cathodes of said devices and having its outer terminals connected through respective wave transmission paths to the anodes of said devices, and means supplying space current between the cathodes and anodes of said devices comprising a source of current and a pair of windings on a unitary core, said windings having a common terminal connected through said source of current to said cathodes and the outer terminals connected to said anodes, the direction of said windings being such that the windings offer low impedance to current components of the same sign flowing simultaneously between their common terminal and the outer terminals but offering high impedance to components tending to flow from one anode terminal to the other whereby said winding and core structure discriminates against the transmission to the outgoing circuit of the undesired components with respect to the desired components.

1,632,901. TRUNKING SYSTEM. HERBERT B. JOHNSON, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1925. Serial No. 65,744. 5 Claims. (Cl. 179—48.)



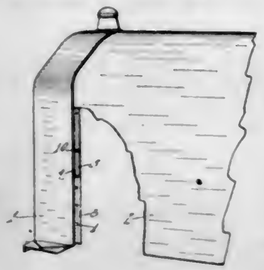
1. In a telephone system, a junction office, a common trunk comprising tip and ring conductor outgoing therefrom, a plurality of branch trunks each comprising tip, ring and sleeve conductors incoming thereto and normally having their tip and ring conductors connected in multiple to said common trunk, and means responsive to the seizing of any one of said branch trunks for disconnecting the tip and ring conductors of all of the said branch trunks from the tip and ring conductors of the common trunk except those of the seized branch trunk and for establishing a busy condition on the sleeve conductor of said disconnected branch trunks.

1,632,902. TESTING SYSTEM. LEWIS H. JOHNSON, Madison, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1922. Serial No. 609,640. 14 Claims. (Cl. 179—175.)



1. In a testing system for testing a plurality of subscribers' lines, a cord circuit, means including an automatic switch for extending said cord circuit to any of said lines, a plurality of testing devices, means for associating any of said devices with said cord circuit for testing the selected line, and means for automatically connecting said cord circuit in operative relationship with the selected line responsive to the setting of the automatic switch upon the selected line.

1,632,903. ANTIRATTLE JOINT STRIP. HANS G. JORGENSEN, Erie, Pa. Filed May 25, 1923. Serial No. 641,374. 3 Claims. (Cl. 180—69.)

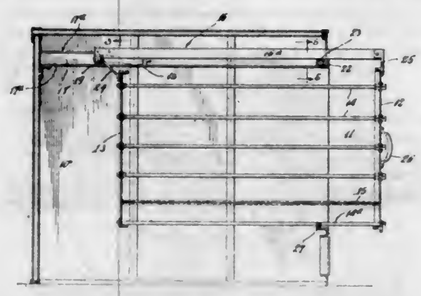


1. An anti-rattle joint strip of yielding material with projections formed on one face adapted to enter perforations on a joint member to secure the strip in place, the yielding material permitting a variation in the distance between the projections.

1,632,904. LOAD SUPPORTING AND CARRYING DEVICE. JULIUS JUDELSON, New York, N. Y. Filed June 20, 1924. Serial No. 721,179. 6 Claims. (Cl. 211—7.)

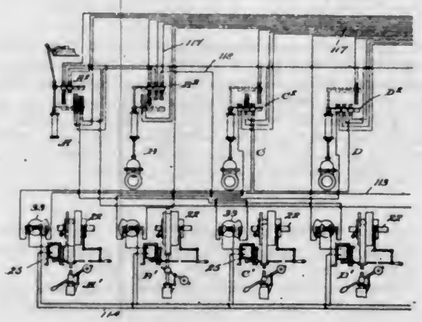
1. A device of the character described including a supporting structure, a pair of parallel tracks arranged

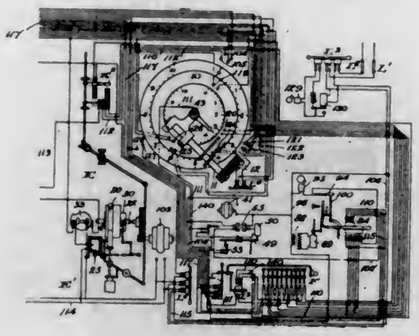
wholly within said structure and fixed to the same adjacent the top thereof, a carrier bar, rollers on the bar mounted to run on said tracks, a roller having a fixed



axis mounted in the supporting structure for said bar to ride on, and a load support carried by said bar, said carrier bar being supported entirely by said rollers.

1,632,905. SYSTEM FOR AUTOMATIC VALVE CONTROL. JAMES S. KENNEDY, Yonkers, N. Y., assignor to The Bartlett Hayward Company, a Corporation of Maryland. Original application filed Dec. 21, 1921, Serial No. 524,038. Divided and this application filed Jan. 4, 1923. Serial No. 610,729. 17 Claims. (Cl. 137—144.)





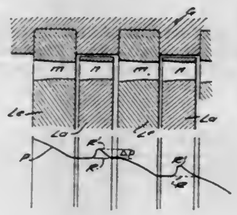
1. In apparatus of the class described, an intermittent actuator therefor and a more rapid continuous acuator therefor, electromagnetic means for shifting from the intermittent to the continuous actuator, a circuit for said means including a special contact member in the controller switch, and automatic means for opening said circuit when the controller switch reaches the normal or zero point.

1,632,906. LENS-CLAMPING BRACKET FOR USE WITH PINCE-NEZ GLASSES AND SPECTACLES. JULES LEFÈVRE, Paris, France. Filed June 25, 1924, Serial No. 722,230, and in France May 21, 1924. 3 Claims. (Cl. 88—42.)



1. An improved non-deformable lens clamping bracket for pince-nez glasses and spectacles having spaced bracket arms between which a lens may be disposed and clamped and also having a base portion extending from the bracket arms arcuately in a direction along the edge face of the clamped lens, said base portion having a reinforcing rib extending lengthwise of the same between the ends and projecting from the base portion in a plane substantially parallel to the plane of the lens, whereby said base portion will closely fit and furnish an unyielding abutment for the clamped end of the lens.

1,632,907. HIGH-PRESSURE STEAM TURBINE AND METHOD OF UTILIZING HIGH-PRESSURE STEAM THEREIN. FRANZ LÜSEL, Brunn, Czechoslovakia. Continuation of application Serial No. 731,722, filed Aug. 13, 1924, and in Denmark Mar. 3, 1924. This application filed May 19, 1925. Serial No. 31,463. 11 Claims. (Cl. 253—69.)



1. A high pressure multistage steam turbine of the disc wheel low velocity type having its guide channels constructed and proportioned with reference to each other and the steam pressure in each turbine part for fluid velocities according to the formula

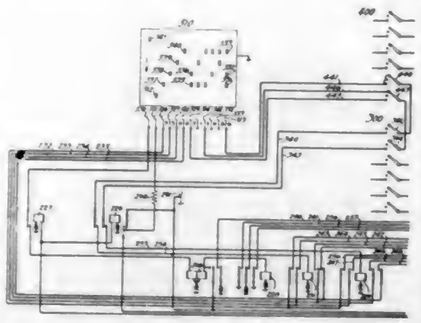
$$V=114-\frac{48p}{100}$$

where V is the relative steam velocity in meters per second and p is the steam pressure in atmospheres.

1,632,908. REGISTER-CONTROLLING SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 21, 1923. Serial No. 663,976. 4 Claims. (Cl. 177—353.)

2. In a telephone exchange system, an impulse sending device, a registering device comprising a plurality of groups of relays, there being an equal number of relays in each of said groups, energizing circuits for said relays,

means to simultaneously prepare said energizing circuits of a set of corresponding relays in all groups, and means



to simultaneously and selectively complete circuits for desired ones of said corresponding relays under the control of said impulse sending device.

1,632,909. BUFFING AND CLEANING OF METAL PARTS. SUMNER REDWAY MASON, Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 28, 1921. Serial No. 456,479. 11 Claims. (Cl. 51—280.)

1. A buffing compound comprising an abrasive, a suitable binder of fat and wax, and a small percentage of a metal capable of free reaction with an alkaline solution to cause a generation of hydrogen gas to remove the compound from a buffed surface.

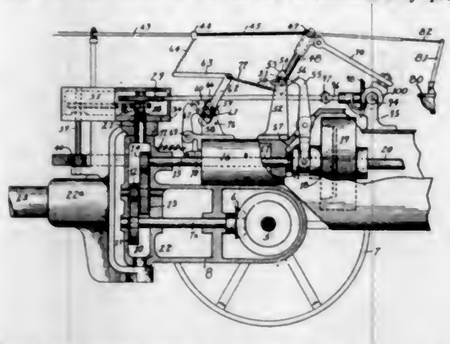
1,632,910. SAFETY-RAZOR-BLADE HOLDER. EDWARD T. MIDDLECOFF, St. Louis, Mo. Filed Mar. 14, 1925. Serial No. 15,452. 2 Claims. (Cl. 30—25.)



1. A device of the character described comprising a handle member having an opening in one side thereof, a flange extending nearly radially from one side of said opening in a position engageable by the hand when said handle member is engaged as a handle, a number of ears extending from near one end of said flange on the side toward said opening, and a shoulder at the outer end of said flange.

1,632,911. LINE CONTROL TRACTOR. JAMES W. MOWBRAY, Windsor, Ontario, Canada, assignor, by mesne assignments, to The Automotive Corporation, Fort Wayne, Ind., a Corporation of Delaware. Filed Sept. 13, 1918. Serial No. 253,857. 12 Claims. (Cl. 180—77.)

1. In a tractor, a power plant and driving mechanism therefor, a clutch interposed between the power plant and driving mechanism for connecting or disconnecting the same, control mechanism for operating the clutch comprising a line or cable for operating the mechanism from a distance, a lever for actuating the clutch to which the line is connected, a spring adapted to cause engagement of the clutch, a dash pot restricting movement of the lever by the spring whereby gradual engagement of the clutch by the spring is automatically pro-



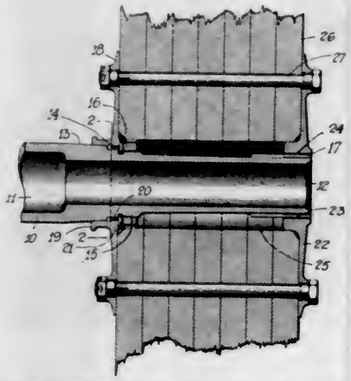
duced, and means whereby succeeding pulls on the line alternately move, the lever to disengage the clutch and release, it to action by the spring.

1,632,912. WEFT-FEEDING DEVICE FOR WEAVING LOOMS. ALVARO MULLOR, Sceaux, France, and LOUIS CARRIOL, Ghent, Belgium. Filed Mar. 23, 1926. Serial No. 96,673, and in France Mar. 23, 1925. 10 Claims. (Cl. 139—125.)



1. In a loom, the combination of a lay, a weft supply, a shuttle on said lay, a fork-shaped thread-carrier on said shuttle having its tines in a plane extending transversely of the shuttle, thread-presenting means on said lay, a downwardly extending thread-gripping member on said lay for picking up the weft thread from said thread-carrier, and means for causing said thread-gripping member to drop the weft thread at the selvedge.

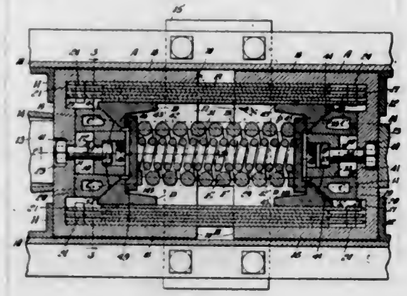
1,632,913. PROPELLER MOUNTING. ARTHUR NUTT, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Feb. 18, 1924, Serial No. 693,472. Renewed Feb. 14, 1927. 2 Claims. (Cl. 170—173.)



1. In a propeller mounting, a propeller shaft, a propeller having a center bore formed therein thru which one end of the propeller shaft is adapted to extend, an

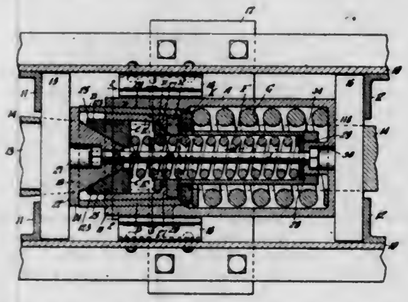
inner and an outer face plate mounted on said shaft and between which the propeller is clamped, means enclosed within the center bore of the propeller to fasten the inner plate on said shaft, and bolts carried thru the propeller from one to the other of said face plates to secure the outer face plates on said shaft, said bolts constituting the sole means of holding said outer face plate in place.

1,632,914. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 31, 1922, Serial No. 585,448. Renewed Feb. 17, 1927. 7 Claims. (Cl. 213—33.)



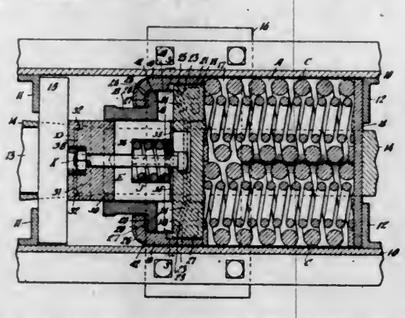
1. In a friction shock absorbing mechanism; the combination with a plurality of groups of intercalated relatively longitudinally movable friction plates; of front and rear followers co-acting with said plates to produce relative movement of the same; means for limiting lateral movement of said plates; a spring resistance between said sets of plates; and wedge-acting means at opposite ends of said spring resistance interposed between the same and the adjacent follower and co-acting with the friction plates, each of said wedge-acting means including a plurality of wedge blocks associated with each follower, and a plurality of co-acting wedge shoes associated with the end of the spring resistance, whereby pressure is set up between said intercalated plates during the compressive action of the mechanism.

1,632,915. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 30, 1925, Serial No. 26,899. Renewed Apr. 18, 1927. 10 Claims. (Cl. 213—22.)



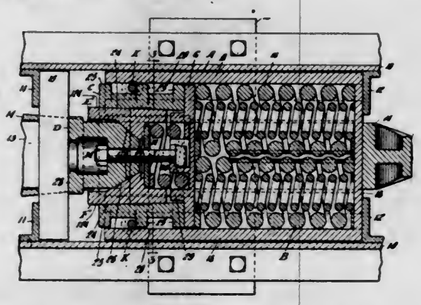
1. In a friction shock absorbing mechanism, the combination with a column-load-sustaining member; of a plurality of friction elements disposed at one end of said member, all of said elements being movable as a unit during the compression stroke; means having limited movement with reference to said member co-operating with the other end thereof for arresting movement of certain of said elements after a predetermined compression of the mechanism and permitting the remaining friction elements to be moved relatively thereto; a follower, said follower and member being movable relatively toward and from each other; combined restoring and cushioning spring means; and lateral pressure creating means co-operating with said friction elements for pressing the same into intimate frictional contact upon relative approach of said follower and member.

1,632,916. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed May 27, 1925. Serial No. 33,162. 11 Claims. (Cl. 213—24.)



1. In a friction shock absorbing mechanism, the combination with a column element; of a friction shell, said shell and element having limited relative movement; a main spring resistance; a plurality of intercalated friction plates within the shell, said plates and column element being relatively movable; lateral pressure-creating means co-operating with said plates; pressure-transmitting means adapted to engage certain of said plates to force the same rearwardly of the mechanism; and means for arresting movement of the remaining plates after a predetermined compression of the mechanism.

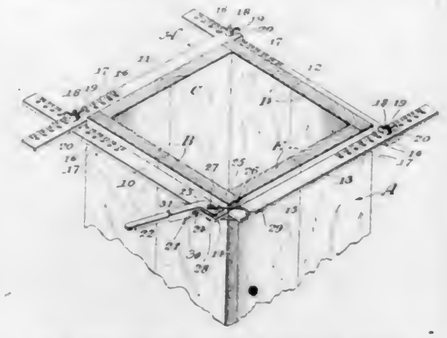
1,632,917. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 10, 1925. Serial No. 51,106. 7 Claims. (Cl. 213—24.)



1. In a friction shock absorbing mechanism, the combination with a spring cage open at one end; of a friction shell having interior friction surfaces, said shell and cage having limited relative movement; means restricting the opening of said cage and engaging the shell for detachably connecting the shell to the cage; a friction wedge system co-operating with the friction shell; twin arranged

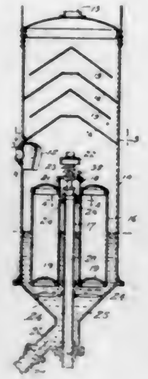
springs within the cage; and a spring follower co-operating with the friction system, said means for detachably connecting the shell to the cage being removable to permit free insertion of the spring and spring follower through the open end of the cage.

1,632,918. CEMENT-FORM HOLDER. GEORGE H. OLSON, Bridgeport, Conn. Filed Oct. 1, 1925. Serial No. 59,828. 3 Claims. (Cl. 144—291.)



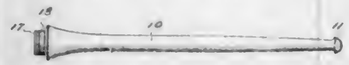
1. In a holder of the character described, a bifurcated clamping lever and a holder bar upon which the lever is pivoted, said bar being arranged between legs of said lever, and a hook link adapted to engage a different holder bar and having its ends, respectively, pivoted upon said lever legs, the link and lever providing a toggle adapted to be swung beyond a dead center position to lock said bars to each other, and the end portion of said lever between its legs being adapted to arrest the movement of said toggle when it has passed said dead center position.

1,632,919. GAS AND OIL SEPARATOR. GUSTAVE A. OVERSTROM, Los Angeles, and GEORGE OVERSTROM, Taft, Calif. Filed July 5, 1923. Serial No. 649,396. 19 Claims. (Cl. 183—2.7.)



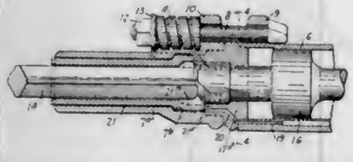
1. In a separating apparatus for treating oil and gas, a tank having a supply connection thereto and a gas outlet in its top, a delivery pipe connection extending into the tank through the bottom thereof, a float arranged in the tank and carrying a valve to control the upper open end of said delivery pipe, said float arranged to encompass said delivery pipe and to provide a space therebetween and float guides in said space.

1,632,920. TOILET NOVELTY. WILLIAM F. PATTEN, Washington, D. C. Filed Feb. 1, 1926. Serial No. 85,274. 9 Claims. (Cl. 128—260.)



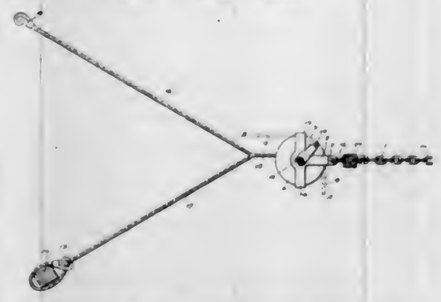
1. In a breath deodorizer, a mouthpiece for insertion in the mouth of the user, a deodorant reservoir, and means for feeding deodorant from the reservoir to the mouthpiece by capillary action.

1,632,921. FRONT HEAD FOR PERCUSSIVE DRILLS. ERNEST PENBERTHY, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 30, 1924. Serial No. 740,755. 8 Claims. (Cl. 121—10.)



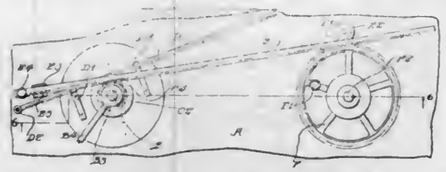
6. The combination with a drilling machine of the percussive type, of a front head therefor, a cylindrical bushing within said head serving as a chuck for the drill steel, means independent of said head for keying said bushing to said machine for rotation therewith, and means for continuously admitting fluid pressure in limited amount to the interior of said head and to the bore of said bushing to keep out detritus thereby to prevent excessive wear.

1,632,922. TOWING AND HAULING DEVICE. CHARLES SAGAR, Seattle, Wash. Filed Dec. 15, 1926. Serial No. 154,971. 4 Claims. (Cl. 280—33.14.)



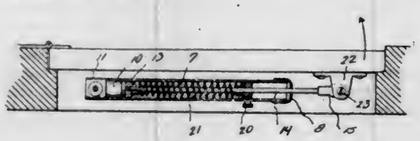
1. A combination towing and hauling device for drawing automobiles upon a roadway from one side thereof, and for towing automobiles along the roadway from power applied in one direction; with a hollow sheave block with a hub rotatably mounted across the center of the block, with a yoke rotatably mounted over the ends of the hub and extending outward to a point beyond the rim of the block, with a chain extending from the yoke for attachment to a moving power, with resilient means mounted over the chain and connected thereto at one end and the other end connected with the yoke, with a handle for turning the hub, and a towing cable adjustably attached at one end through the hub whereby the cable may be wound about the hub for transportation inside the block, or may be extended outward from the hub, with the outer end of the cable terminating in two points with attachment hooks thereon for connection with an automobile to be towed.

1,632,923. MECHANISM FOR CONVERTING MOTION. ALFRED F. SANFORD, Knoxville, Tenn. Filed Mar. 11, 1925. Serial No. 14,791. 12 Claims. (Cl. 74—27.)



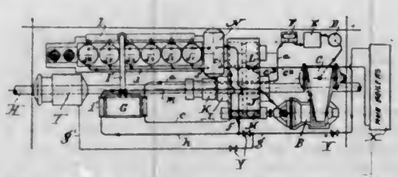
1. In a mechanism of the kind described, the combination of a rotatable shaft, a turntable fixed on said shaft, a member loosely surrounding said shaft and having radial gear teeth, and a rack bar supported on the turntable in engagement with said gear teeth and confined for endwise movement on the turntable, substantially as described.

1,632,924. DOOR CLOSER. HENRY SCHMIDT, Detroit, Mich. Filed Aug. 6, 1926. Serial No. 127,555. 2 Claims. (Cl. 16—76.)



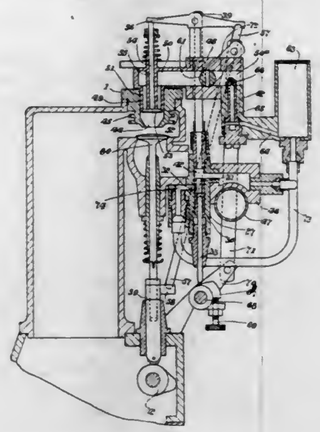
1. In a door closure of the character described, a relatively elongated cylinder, a pivotal connection between one end of the cylinder and the door frame, a piston rectilinearly slidable within the cylinder and attached at one end to a piston rod extending outwardly through the unpivoted end of said cylinder, an abutment slidably arranged upon the piston rod within the cylinder, spring tension means between the piston and said abutment, complementary construction between the abutment and the cylinder whereby the same may be secured in predetermined adjusted relation with respect to the cylinder, and a pivotal connection between the outer end of the piston rod and the door.

1,632,925. POWER PLANT FOR WARSHIPS. WILHELM SCHMIDT, Cassel-Wilhelmshohe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany, a German Corporation. Filed Mar. 30, 1921. Serial No. 457,143, and in Germany Nov. 9, 1917. 2 Claims. (Cl. 60—11.)



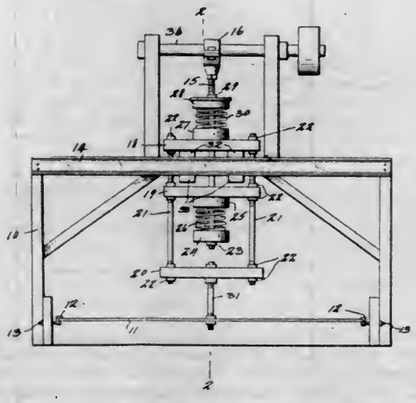
1. In a power plant for ships, a main power plant for propelling the ship at speeds above cruising speeds, a generator for supplying said main power plant with steam, an additional power plant for propelling the ship at different cruising speeds, said additional plant comprising an internal combustion engine and a steam engine, another generator in which steam is produced by the waste heat of said internal combustion engine, and connections whereby said steam engine may receive steam either from the last-named generator only, in the case of low cruising speed, or from both generators, in the case of high cruising speed.

1,632,926. MEANS FOR SUPPLYING LIQUID FUEL TO INTERNAL-COMBUSTION ENGINES. DONALD SCOTT, Glasgow, Scotland. Filed Sept. 17, 1925, Serial No. 56,836, and in Great Britain Sept. 20, 1924. 7 Claims. (Cl. 123—122.)



1. In an internal combustion engine, a member heated by the heat of combustion in the interior of the cylinder and adapted to vaporize heavy fuel admitted to said cylinder in contact with said member, means for governing the admission of fuel and air to the cylinder, a passage for fuel and air leading to said governing means, throttle means controlling said passage, means for preheating the fuel before its admission to said passage, means for regulating the proportion of fuel passing said pre-heating means, and means interconnecting said throttle means and regulating means so as to vary the temperature of the fuel proportionately with the load on the engine.

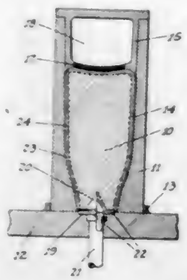
1,632,927. SCREEN-VIBRATING MECHANISM. EDWARD HASKINS SHACKELFORD, Jr., Joplin, Mo., assignor to Hebbard Manufacturing Company, Joplin, Mo., a Corporation of Missouri. Filed Aug. 5, 1926. Serial No. 127,314. 7 Claims. (Cl. 74—14.)



1. In a mechanism of the character described an element to be reciprocated, a reciprocating rod, a yoke connected to the element and including a bumping element

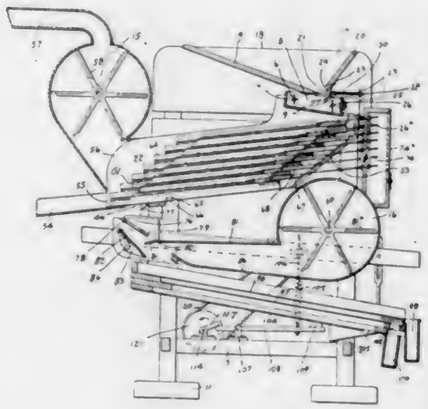
through which the rod loosely passes, springs carried by the rod and bearing against opposite faces of the bumping element to thus resiliently transmit movement of the rod to said yoke, and cushions disposed in the path of movement of said bumping element on opposite sides thereof, the bumping element and the cushions being relatively adjustable toward or from each other.

1,632,928. MANUFACTURE OF PAPER-PULP BOTTLES AND THE LIKE. JAMES SHAW, San Francisco, Calif., assignor to Belle H. Shaw, Lodi, Calif. Filed June 24, 1926. Serial No. 118,152. 5 Claims. (Cl. 92—54.)



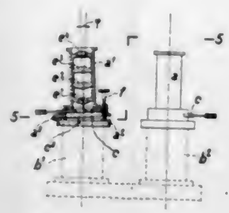
1. A method of making a paper pulp vessel in a mold consisting in placing in the mold chamber, a core made of ice, pouring the pulp into the mold around the core, and allowing the core to melt.

1,632,929. CEREAL CLEANER AND SEPARATOR. CHARLES A. SHULTZ, Monticello, Ind., assignor to Lockwood & Lockwood, Indianapolis, Ind., a Firm. Filed Apr. 19, 1924. Serial No. 707,610. 16 Claims. (Cl. 209—34.)



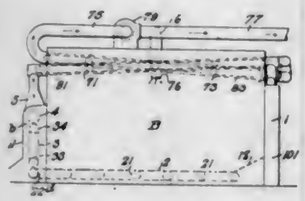
1. In a cereal cleaning machine, the combination with a fan, and a closed compartment adjacent thereto and communicating therewith including an imperforate bottom, of a discharge outlet near the lowest end of said bottom for the separated cereal grain, a second discharge outlet adjacent but spaced from the former for the longer and refused particles, a third discharge outlet adjacent thereto for the lightest particles and connecting said compartment with said fan, and grain separating means in the compartment separating the grain discharge outlet from the other outlets.

1,632,930. ADDITIONAL DEVICE FOR BINOCULAR MICROSCOPES WITH ONE OBJECTIVE. HENRY SIEDENTOPF, Jena, Germany, assignor to Firm of Carl Zeiss, Jena, Germany. Filed Sept. 22, 1925, Serial No. 57,926, and in Germany Oct. 16, 1924. 3 Claims. (Cl. 88—39.)



1. Additional device for binocular microscopes with one objective, consisting of a pair of astronomical telescopes of like magnifying power, a fastening device for each of the telescopes mounted on the telescope, adapted to fit over the ocular of a microscope, and an eccentric diaphragm disposed in front of the objective of the telescope.

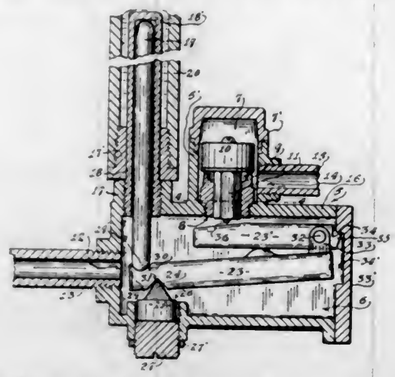
1,632,931. OPENING, MIXING, AND BLENDING COTTON AND OTHER FIBROUS MATERIALS. ROBERT WILLIAM BELL SPARKES, Bolton, England. Filed June 13, 1924, Serial No. 719,900, and in Great Britain June 13, 1923. 15 Claims. (Cl. 19—65.)



1. In apparatus for opening, mixing, and blending cotton and other fibrous materials the combination of a horizontal feed lattice, a spiked vertical lattice adapted to receive material from the feed lattice, a rotary doffer adapted to remove the material from the vertical lattice, air trunks leading from the vicinity of the doffer to the feed lattice the said trunks being arranged with rectilinear portions, feed lattices mounted within the said rectilinear portions of the air trunks, and means for producing a flow of air in the trunks.

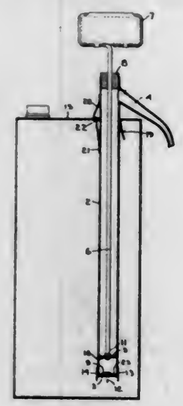
1,632,932. THERMOSTAT. FRANK STRAUB, Los Angeles, Calif. Filed Feb. 2, 1924, Serial No. 690,119. Renewed May 2, 1927. 3 Claims. (Cl. 236—102.)

1. In a device of the character described, a box-like casing open at one end, a removable closure for said end, a bottom wall to said casing, a screw plug in said bottom wall adjustable from the exterior of said casing, a fulcrum element seated loosely on said plug and disposed within said casing, a primary lever in said casing mounted on said fulcrum element, a thermostat rod vertically disposed with an end resting on said lever, a secondary



lever fulcrumed on said primary lever, and a stop element carried by said closure disposed in the path of movement of an end of said secondary lever.

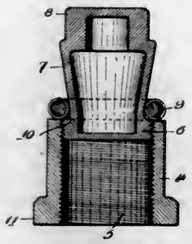
1,632,933. COMBINED PUMP AND CAN OPENER. ROY A. THORNTON, North Weymouth, Mass. Filed Oct. 26, 1925. Serial No. 64,797. 2 Claims. (Cl. 221—83.)



1. A combined pump and can opener comprising a pump cylinder having an inlet port at its lower end, an inlet valve for said port, a piston operating in the cylinder, a can-puncturing centering pin extending from the bottom end of the pump and by which the top of a can may be punctured, and tow cutters extending from the bottom of the pump for cutting an opening in the can as the pump is turned about the centering pin, said cutters being situated in a non-diametrical relation, whereby less than one-half a revolution of the pump will make a circular cut in the can top slightly less than a complete circle so that by bending the material thus cut down into the can a hole is produced into which the pump barrel may be inserted.

1,632,934. GREASE CUP. NICHOLAS W. TRAUTNER, St. Paul, Minn. Filed Apr. 4, 1925. Serial No. 20,656. 4 Claims. (Cl. 184—48.)

1. A grease cup comprising, a threaded body having an end opening, a plunger threaded to fit said body and adapted to be turned into the same, a conical portion arranged on said plunger to extend, small end foremost, into said opening, and a circular spring disposed about



said conical portion and in engagement with the open end of said body, said spring being arranged to resiliently oppose turning of said plunger in said body.

1,632,935. OIL-WELL UTILITY GIN POLE. CHARLES EDWARD TURNER and GEORGE ROBERT MILTON, Covington, Okla. Filed May 5, 1925. Serial No. 28,201. 1 Claim. (Cl. 254—145.)

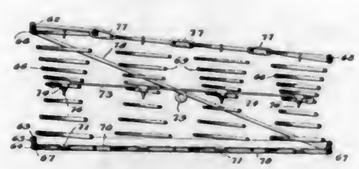


In an oil well utility gin pole, a sectional pole comprising a base member, a top member, and intermediate members, a transverse member connected to the lower end of said base member, inclined brace members engaging on the outer ends of said transverse member and connected to the top of said base member as supporting means for a winch, a sheave rotatably mounted in the end of said top member, a cable guiding means 6, and an auxiliary member 7, said member positioned in working relation with said sheave, a bail pivotally connected to the axle of said sheave, slip joint couplings to receive the ends of said members, an annular flange in said coupling functioning as a stop or bearing for said members, all substantially as shown and for the purpose described.

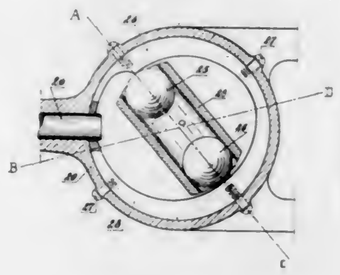
1,632,936. SPRING STRUCTURE. DESIRE H. VAN HOVE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed June 11, 1921. Serial No. 476,814. 1 Claim. (Cl. 5—252.)

A spring structure including a base, a set of outer border coil springs and a set of inner coil springs mount-

ed upon the said base, the border springs being of greater gauge than the inner springs, each of the springs of both the inner and outer sets having double cone portions of approximately uniform size and of different pitch to form in each spring a relatively stiff lower conical shock-absorbing base portion and a relatively resilient upper inverted conical portion cushioned by the base portion, and connections between the central portions of the springs by which any considerable displacement of the central portion of any one spring is resisted by the resilience of the other springs.



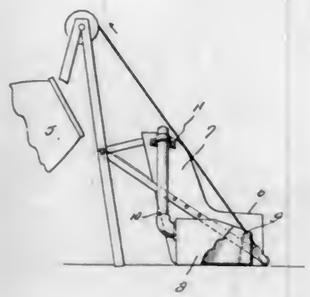
1,632,937. BALANCED ROTARY PERCUSSION IMPLEMENT. GEORGES ERNEST WAGNER, St.-Etienne, France. Filed May 13, 1926, Serial No. 108,931, and in France Jan. 16, 1926. 4 Claims. (Cl. 125—33.)



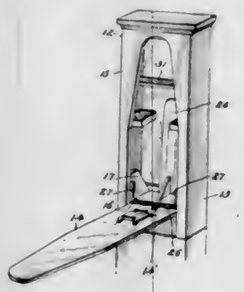
1. A rotary percussion implement, comprising, in combination, a casing; a tool holder mounted therein, a rotary actuating element disposed in said casing; a pair of impact bodies carried by said element and arranged diametrically opposite each other; and a cam within said casing to guide said bodies and permit them to strike the holder during their rotation with the actuating element, said cam imparting to both bodies simultaneously movements which are virtually symmetrical with relation to the axis of rotation of said actuating element.

1,632,938. WATER-SUPPLY ATTACHMENT FOR CONCRETE MIXERS. PAUL W. WILCOX, Troy, Kans. Filed Jan. 22, 1927. Serial No. 162,851. 3 Claims. (Cl. 83—73.)

1. In combination with a concrete mixing machine including the mixing bowl and the swinging material receiving trough provided with a discharge chute; a water tank secured on the side of the trough and a discharge pipe extending from the tank along the side of the chute, the outer end of said pipe extending slightly beyond the discharge end of the chute, so that said end of said pipe will enter the mixing bowl when the trough is swung upwardly to a discharging position, whereby a supply of water will be delivered to the mixing bowl by gravity.



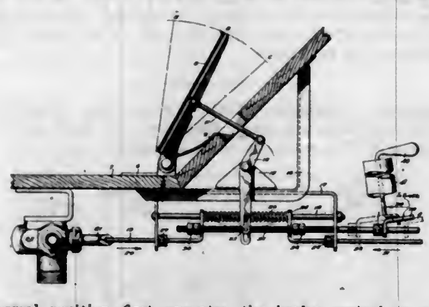
1,632,939. IRONING-BOARD CABINET. WALTER L. WILLIAMS, South Richmond, Va. Filed June 2, 1923. Serial No. 643,040. 4 Claims. (Cl. 68—10.)



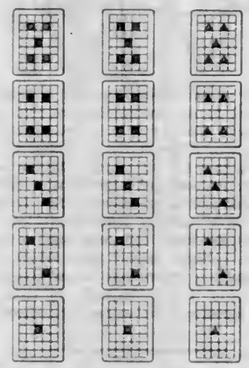
1. In an ironing board cabinet, a shaft extending horizontally across the cabinet above bottom and adjacent the front of the cabinet, an ironing board of less width than the width of the cabinet, a pair of upright brackets one at each side of the ironing board adjacent the rear end thereof, said brackets being mounted on the shaft and supporting the ironing board, the said brackets being spaced from the side walls of the cabinet, and spring means disposed between the brackets and the walls of the cabinet for maintaining the ironing board in upright position.

1,632,940. CONTROL PEDAL. EDWARD A. WRIGHT, Fresno, Calif. Filed Aug. 2, 1926. Serial No. 126,578. 8 Claims. (Cl. 192—3.)

7. A control device for an engine driven vehicle provided with brakes comprising a manipulable member normally held in brake applying position, means connecting the member with the brake control and with the engine control and a lost motion device in said means whereby movement of the member in one direction from normal position first operates the brake control to release the brakes and then operates the engine control to increase the power output of the engine.

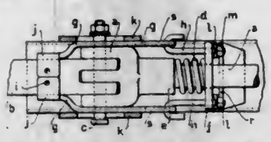


1,632,941. GAME. HARRY S. ABELL, McLean, Va. Filed Apr. 22, 1924. Serial No. 708,238. 7 Claims. (Cl. 273—152.)



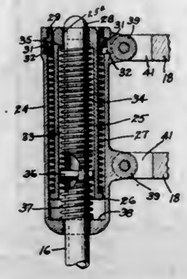
1. A game having a plurality of component playing units, the units being divided into three cross groups, each group being designated by a determining factor, the component units of one cross group having determining factors identifying them as being in a definite relation to each of the other cross groups.

1,632,942. REPOSITIONING DEVICE FOR SWINGING COUPLING HEADS ON RAILROAD VEHICLES. MAXIMILIAN ALMA and CARL EGON ALMA, Vienna, Austria. Filed Aug. 30, 1926, Serial No. 132,548, and in Austria June 24, 1926. 6 Claims. (Cl. 213—20.)



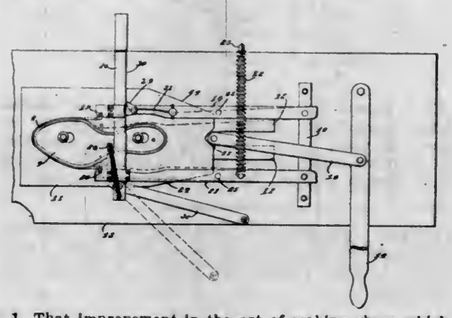
1. A re-positioning device for laterally oscillating coupling heads on railway vehicles, comprising a spring supported on a part of the draw bar mechanism which is displaceable only along the length of the vehicle, a thrust collar for this spring slidable on the said part of the draw bar mechanism, connecting members between this thrust collar and the coupling head shaft, which connecting members are adapted to swing relatively to the said shaft and to the said thrust collar and operate to press said collar against the spring, so that when the coupling head shaft swings outwards, the collar is moved towards the opposing seating for said spring stressing the spring and causing it to tend to replace the parts in their normal positions.

1,632,943. RESILIENT MOUNTING FOR WASHING-MACHINE PLUNGERS. EUGENE F. BEEBE, Minneapolis, Minn. Filed Sept. 14, 1925. Serial No. 56,241. 6 Claims. (Cl. 68—19.)



1. A device of the class described including a cylinder having a plurality of telescoping members mounted therein, one of the members having a vacuum cup, and means for yieldably retaining said members in normal retracted position.

1,632,944. PROCESS FOR MAKING SHOES. CHARLES C. BLAKE, Brookline, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Apr. 28, 1921. Serial No. 465,131. 4 Claims. (Cl. 12—145.)

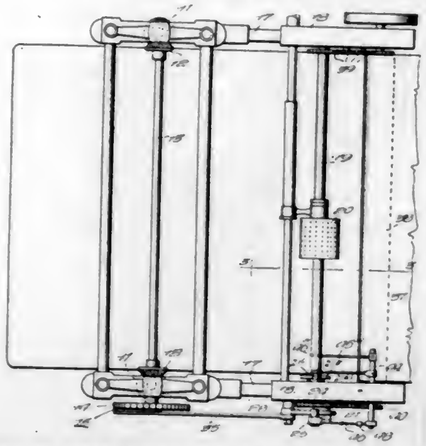


1. That improvement in the art of making shoes which consists in forming a leader, trimming an insole to an outline determined by the leader, applying a piece of material on the leader to form a binder having a definite relation to the edge of the trimmed insole, assembling an upper and the insole on a last, stretching the upper into conformity with the contour of the last about the toe of the last, temporarily securing said upper in stretched position by applying the formed binder, securing the upper directly to the insole by securing means extraneous of the binder, and removing the binder.

1,632,945. SHEET-FEEDING APPARATUS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa., a Corporation of Pennsylvania. Filed Oct. 8, 1924. Serial No. 742,402. 13 Claims. (Cl. 271—62.)

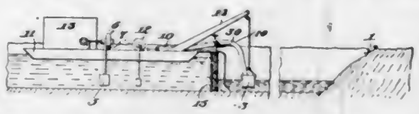
1. In sheet feeding apparatus, the combination with a vertically movable sheet supporting table, of means mounted above one margin of the table for removing sheets therefrom, and automatic mechanism for elevat-

ing the table including a controlling device having a portion that rests upon the pile of sheets placed on the table, and said portion being located alongside the sheet



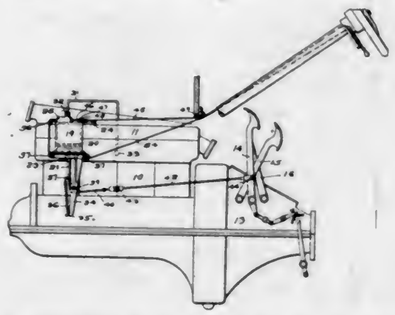
removing means in substantial line therewith and above the same margin of the table over which said sheet removing means is located.

1,632,946. PROCESS FOR THE PRODUCTION OF CANALS. VICTOR BAUMIG, Berlin-Grunewald, Germany. Filed Mar. 11, 1925. Serial No. 14,751. 8 Claims. (Cl. 37—195.)



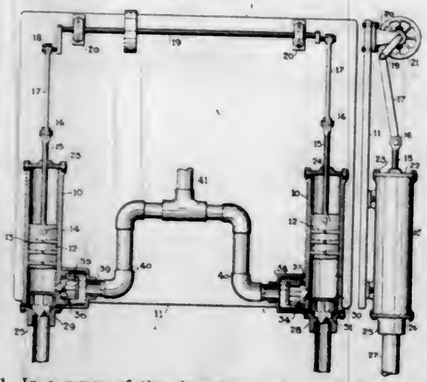
7. A process for building ship, drainage, and similar canals, comprising, washing away material to be removed by water jets in a working place, and separating in a substantially water tight manner, the working place from an adjacent finished portion of the canal.

1,632,947. PNEUMATIC GEAR-SHIFTING DEVICE. CHARLES W. BURTON, Jr., Ocean Park, Calif. Filed July 9, 1924. Serial No. 724,947. 4 Claims. (Cl. 74—81.)



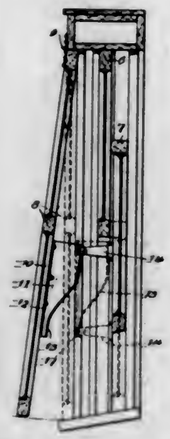
1. In combination an automobile and its transmission gearing, an operating pedal for said gearing, a steering column carried by the automobile for supporting a throttle lever, a cylinder supported upon said engine, a piston operable within said cylinder, flexible means connecting said piston with said operating pedal, means connecting said cylinder with the intake manifold of said engine for creating a suction therein, a valve carried by said cylinder for controlling the suction therein, and means carried upon said throttle lever for controlling the movement of said valve.

1,632,948. WATER PUMP. FRANCISCO CÁRDENAS, Piedras Negras, Mexico. Filed June 16, 1926. Serial No. 116,374. 4 Claims. (Cl. 103—228.)



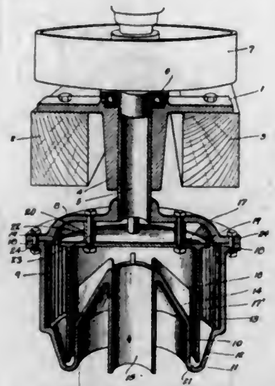
1. In a pump of the class described, a cylinder having a circumferential flange on the bottom end thereof provided with spaced apertures, a valve member comprising a valve seat, a circumferential flange on said valve member having spaced apertures therein adapted to register with the spaced apertures of said cylinder flange for attaching said valve member to the bottom of said cylinder, said valve member being provided with upper and lower screw threaded openings one on each side of said valve seat, a fluid supply pipe screw threaded in said lower opening, a valve cage screw threaded in said lower opening, and a ball disposed in said valve cage adapted to rest upon said valve seat for closing the opening therein.

1,632,949. AUTOMATIC STORM-WINDOW REGULATOR. CHRISTIAN A. CHRISTOFFERSON, St. Paul, Minn. Filed Feb. 8, 1926. Serial No. 86,850. 4 Claims. (Cl. 20—55.)



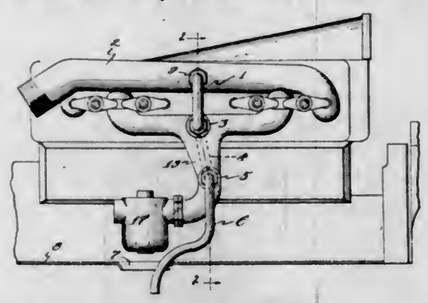
1. The combination with a window having a sliding sash and a pivoted sash, of a movement plate, adapted to be secured to one of said sashes, a cam arranged on said plate to extend obliquely between said sashes, a bracket adapted to be secured to the other of said sashes, means on said bracket adapted to operatively engage said cam, an end of said cam formed to removably receive said engaging means when secured to said sashes, said plate and bracket being adapted to swing said pivoted sash to open position when said sliding sash is opened.

1,632,950. CENTRIFUGAL SEPARATOR AND AMALGAMATOR. WILLIAM C. COLEMAN. Wichita, Kans. Filed Sept. 6, 1924. Serial No. 736,374. 7 Claims. (Cl. 209—199.)



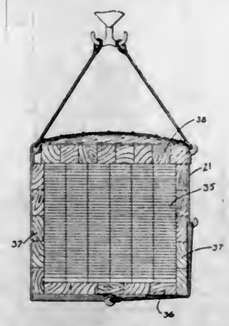
1. A centrifugal separator and amalgamator comprising an outer rotor having an inlet and an outlet, the rotor having a mercury chamber, an inner rotor in spaced relation with the first to divide the first named rotor into two communicating chambers, the two chambers communicating through a vertically constricted passageway at the lowermost part of the outer rotor so as to retard the flow of material through the mercury chamber, the outlet for the outer rotor being within the inner rotor and vanes about the outlet.

1,632,951. FUEL VAPORIZER. ANDREW J. COPPOCK, Detroit, Mich. Filed Jan. 26, 1920. Serial No. 354,096. 3 Claims. (Cl. 257—241.)



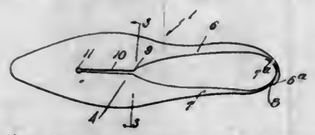
1. A fuel vaporizer comprising the combination with the exhaust and intake manifolds of an internal combustion engine, the intake manifold having a pair of spaced apertures in one wall thereof, of a conduit formed of detachable sections curved in form and of successively decreasing diameter, one of said sections being U-shaped in form and lying within the intake manifold with the ends thereof projecting through the said apertures, the other of said sections being detachably connected respectively to the projecting ends, the section of larger diameter being connected with the exhaust manifold of the engine.

1,632,952. METHOD AND APPARATUS FOR HANDLING LUMBER. CHARLES W. DAUGHS, Alameda, Calif., assignor to Daughs Ship Crane Company, a Corporation of Oregon. Filed Nov. 3, 1923. Serial No. 672,668. 8 Claims. (Cl. 294—74.)



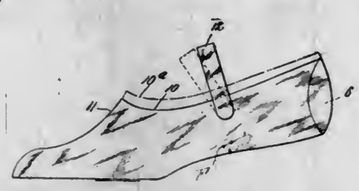
1. A packing device comprising a rigid member including a base portion and a vertically extending portion, a flexible member secured to said rigid member at one end thereof, said flexible member having a part thereof adapted to be arranged parallel to the base portion and another part adapted to be arranged parallel with the vertical portion when the device is in use, a lifting sling attached to the vertically extending portion, said sling including a transversely extending member, a coupling member on said sling, said coupling member including an eye for engaging said flexible member.

1,632,953. HOLLOW SHOE FORM. WILLIAM J. DE WITT, Auburn, N. Y. Filed June 16, 1925. Serial No. 37,486. 12 Claims. (Cl. 12—128.)



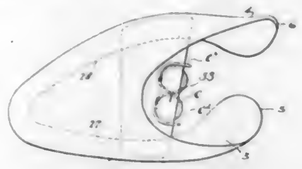
1. A hollow form for insertion into a completed or partly completed shoe, said form having substantially the shape of the external contour of a shoe last and comprising toe and heel portions, the space within the form being substantially unobstructed and capable of receiving a last, the form being open at its top to permit a last to be withdrawn therefrom or reinserted therein, said form having thin and stiffly resilient walls of waterproof material and being open over the major portion at least of its bottom and normally closed at its heel end.

1,632,954. SHOE FORM. WILLIAM J. DE WITT, Auburn, N. Y., assignor to The Shoe Form Co., Inc., Auburn, N. Y., a Corporation of New York. Filed Apr. 8, 1926. Serial No. 100,667. 9 Claims. (Cl. 12—128.)



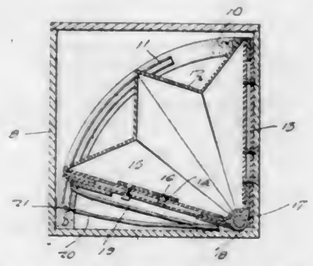
1. A removable hollow form for temporary insertion said form being of thin and stiff material, said material being transparent to permit inspection of the interior of the shoe without removing the form from the shoe.

1,632,955. SHOE FORM. WILLIAM J. DE WITT, Auburn, N. Y. Filed May 12, 1926. Serial No. 108,539. 8 Claims. (Cl. 12—128.)



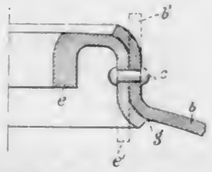
1. A removable hollow form for temporary inspection in a finished or partially finished shoe, said form consisting of a piece of sheet celluloid conforming with substantial exactitude to the size and contour of the forward portion at least of a shoe last, the space within the form being substantially unobstructed and capable of receiving the forepart at least of a shoe last, said form having a permanent unobstructed opening to permit withdrawal of the last from the completed form or its reinsertion therein.

1,632,956. ELECTRIC SWITCH. RAYMOND G. ELY, Trexlertown, Pa. Filed May 15, 1926. Serial No. 109,427. 2 Claims. (Cl. 200—33.)



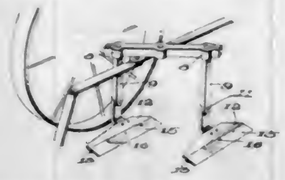
2. In a structure of the class described, a casing, a bellows in said casing, contacts associated with said bellows, contact tracks mounted in the casing with which said first named contacts are cooperable, spring means for normally maintaining the bellows in a collapsed state, said casing being provided with an arcuate slot, an actuating element carried by said bellows and extending through and beyond said slot, a pivotally mounted vehicle operated ball, and a projection carried by said ball and engageable with said actuator, whereby to operate said bellows from said ball.

1,632,957. CLOSURE MEANS FOR MANHOLE OPENINGS IN STEAM BOILERS. HERMANN FRANKE, Hanover, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany, a German Corporation. Filed June 10, 1924. Serial No. 719,142, and in Germany June 11, 1923. 1 Claim. (Cl. 220—73.)



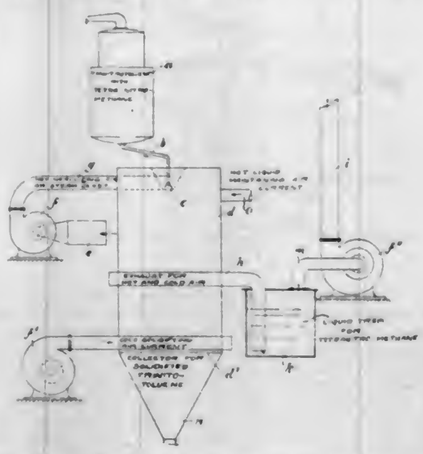
In a steam boiler adapted to withstand a boiler pressure of 20 atmospheres or more, and having a manhole opening in one of its walls, the edge of the material of said wall adjacent said opening being turned outwardly, a seat member against which a manhole cover is adapted to be pressed by the steam pressure within the boiler, said seat member having a peripheral flange bearing against the inner surface of said wall, the said outwardly turned edge having a flange overlying a portion of said seat member.

1,632,958. CULTIVATOR BLADE. ALFRED L. FRIEBURG, Gibson City, Ill. Filed July 14, 1926. Serial No. 122,468. 1 Claim. (Cl. 97—207.)



In a cultivator for corn and the like a horizontally disposed ground engaging scraper member comprising a base element of uniform thickness throughout and having a substantially plane top surface and means for attachment to the cultivator frame, said base element comprising a metal stamping having an offset adjacent its forward edge defining a shoulder and a supporting flange, a cutting blade supported upon said flange and having its active edge projecting beyond the forward edge of said flange, the back edge of said cutting blade engaging said shoulder, the said cutting blade being of a thickness equal to the height of said shoulder and the thickness of said base element whereby its upper surface will lie flush with the upper surface of said base element to define a plane unbroken surface, and the lower surface of said assembled blade and base element being of substantially uniform thickness and broken only by said offset, the latter being a substantial distance rearwardly of the active edge of said blade whereby to avoid interference with the action thereof and the free transverse passage of soil and severed weed roots.

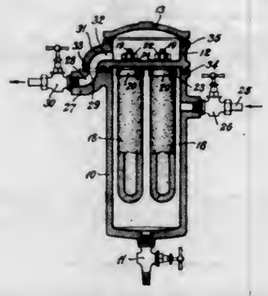
1,632,959. METHOD FOR REMOVING TETRANITROMETHANE FROM TRINITROTOLUENE. RICHARD HANS GÄRTNER, Hamburg, Germany. Filed Dec. 18, 1924, Serial No. 756,830, and in Germany Dec. 31, 1923. 2 Claims. (Cl. 260—142.)



1. A method for removing tetranitromethane from commercial trinitrotoluene comprising, atomizing commercial liquid trinitrotoluene by means of a nonreactive hot gase-

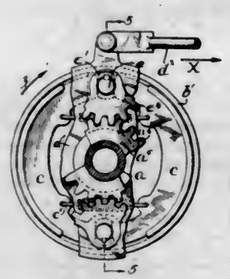
ous stream, subjecting the clouds thus produced to hot nonreactive gaseous streams until the tetranitromethane is vaporized, then subjecting the trinitrotoluene to cold non-reactive gaseous streams by which the trinitrotoluene is solidified, and then withdrawing the hot gases from the presence of the solidified trinitrotoluene.

1,632,960. FILTER. OTTO E. GIESE, Brooklyn, N. Y. Filed July 20, 1926. Serial No. 123,637. 3 Claims. (Cl. 210—120.)



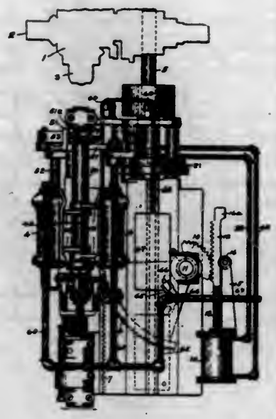
1. A filter of the kind described comprising a container, hollow means for suspending a filtering element in said container, a two-part fixture located respectively upon said container and said hollow means and provided with internal passages adapted to communicate with each other and to establish communication between the interior of said hollow means and the exterior of said filter, and fastening devices whereby said hollow means is removably clamped upon said container and said two-part fixture is clamped together in operative position.

1,632,961. BRAKE MECHANISM. GUSTAVUS HAAG, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 29, 1925. Serial No. 65,528. 5 Claims. (Cl. 188—78.)



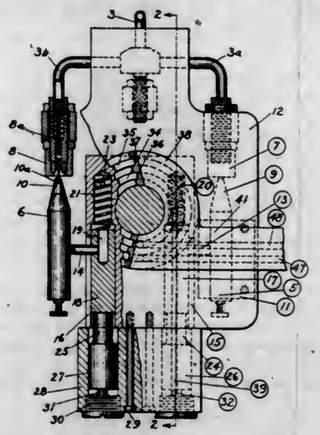
1. In a brake, in combination, a stationary shaft, a brake drum rotatable about said shaft, a brake spider rotatable about said shaft, means to rotate the brake spider, a pair of brake shoes within the drum, diametrically disposed cam shafts rotatably mounted on the spider, cams on the cam shafts engaging the proximate ends of the brake shoes, arms rigidly carried with the cam shafts, cams carried with the stationary shaft and engaging the ends of the arms.

1,632,962. METHOD OF COOLING MOLDS. ORIN A. HANFORD, deceased, Columbus, Ohio, by Andrew J. Schlereth, administrator, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 31, 1924. Serial No. 703,128. 1 Claim. (Cl. 49—77.)



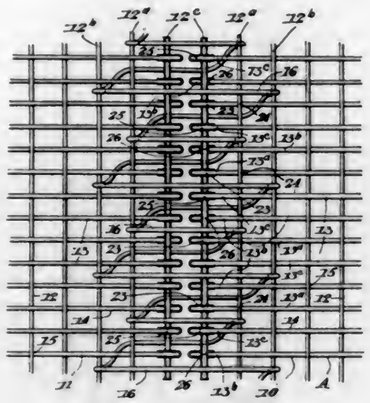
The method of cooling blow molds in the making of glassware which comprises lowering the mold from blowing to inoperative position, spraying the mold with a cooling fluid and raising the mold to blowing position to stop the spraying action.

1,632,963. GLASS-FORMING APPARATUS. ORIN A. HANFORD, deceased, Columbus, Ohio, by Andrew J. Schlereth, administrator, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 31, 1924. Serial No. 703,130. 10 Claims. (Cl. 49—18.)



1. Means for introducing fluid to glass blanks comprising a conduit leading to the blank retaining head, a normally closed valve in said conduit, a nozzle through which fluid is passing continuously and pneumatic means for intermittently moving said nozzle into co-operative relation to said conduit.

1,632,964. SEAM FOR WOVEN-WIRE FABRICS. ALBERT WILLIAM HARRIS, Glens Falls, N. Y. Filed Dec. 6, 1923, Serial No. 678,961. Renewed Feb. 4, 1926. 4 Claims. (Cl. 245—10.)



1. In a woven wire fabric, adjacent weave sections each comprising warp wires and lay wires, the warp wires being formed with long knuckles on one side of the fabric and short knuckles on the other side of the fabric, said sections having a seam opening between them, and a stitching wire passed over a plurality of lay wires on each side of the seam opening and arranged in stitches of different lengths parallel to the warp wires on the side of the fabric on which the warp wires are formed with long knuckles, said stitches being diagonally inclined on the side of the fabric on which the warp wires are formed with short knuckles.

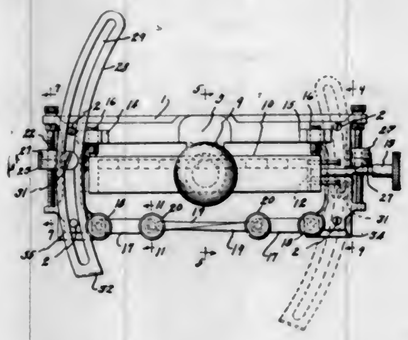
1,632,965. STAFF SUPPORT. HARVEY G. HAYS, Columbus, Ohio. Filed Oct. 6, 1924. Serial No. 741,846. 3 Claims. (Cl. 189—28.)



1. In a staff support, a spear adapted for insertion into the ground, a socket adapted to receive a staff, and an open constructed member attached to said socket and spaced therefrom for contact with the surface of the ground, said member serving to cause the support to tend to assume an upright position upon insertion into the ground.

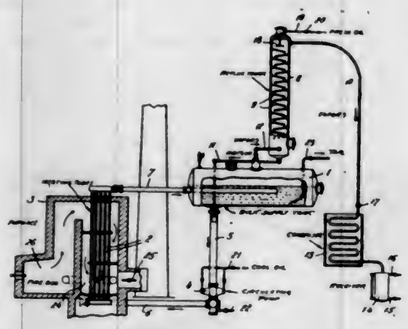
1,632,966. LETTERING DEVICE. PAUL HEINZE, Detroit, Mich. Filed Aug. 7, 1926. Serial No. 127,738. 9 Claims. (Cl. 33—184.6.)

1. A lettering device comprising a base plate having an opening in the center, a vertically movable type holder movable toward the said opening, a support on the base plate for the type holder, a screw shaft at each end of the base plate, a nut on each screw shaft provided with graduations adapted to register with graduations provided therefor on the base plate, adjustable means for



indicating the overall length of the printing faces of the type in the holder, and means for setting the device at any angle to a given line.

1,632,967. PROCESS FOR PRODUCING LIGHT HYDROCARBON LIQUIDS. EUGENE C. HERTHEL, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a Corporation of Maine. Filed Apr. 4, 1925. Serial No. 20,641. 3 Claims. (Cl. 196—48.)

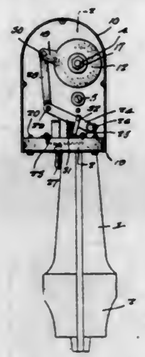


1. A method of cracking heavier hydrocarbon oils for the production of light hydrocarbon oils containing very light constituents in high concentration, which comprises distilling heavier oil under pressure at a cracking temperature, subjecting the vapors of the cracked oil to a refluxing operation, and introducing fresh oil into the refluxing operation in direct contact with the vapors therein at a rate greater than about 190% of the rate at which distillate is taken off.

1,632,968. AUTOMATIC CUT-OFF. MARVIN F. HIPPS, Electra, Tex. Filed Aug. 12, 1925. Serial No. 49,783. 2 Claims. (Cl. 200—52.)

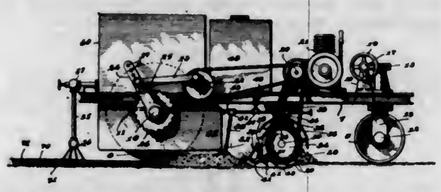
1. In combination with a rotatable reel supporting shaft, of a switch for controlling the circuit to an electric motor, said switch including a pair of spaced contact members, and a pivoted lever adapted to be disposed between said contacts, means arranged on said shaft and operatively connected with said lever for moving the lever into engagement with the contacts when the shaft is rotated, said means comprising a flange arranged on

the rear end portion of the shaft, a pair of discs arranged on the shaft and adapted for frictional engagement with opposed faces of the flange, and a connection



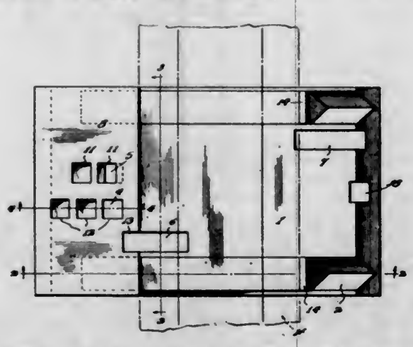
between the discs and the free end of the lever, and means for automatically disengaging the lever from the contacts when the shaft stops rotating.

1,632,969. MACHINE FOR TREATING ROAD-BUILDING MATERIAL. EARL B. HORNER and LAFAYETTE HOLT, Burlington, N. C. Filed Mar. 5, 1923. Serial No. 622,994. 14 Claims. (Cl. 94—44.)



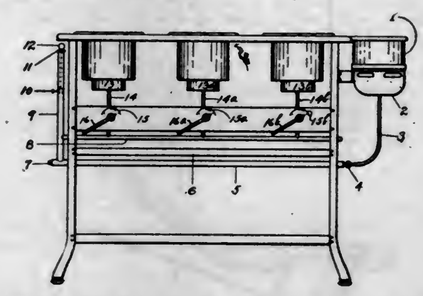
1. A road making machine comprising a rotary member having means thereon for engaging dirt in a roadbed and raising the dirt thereover and returning same to the roadbed as said rotary member is rotated, and means for treating the dirt raised by said rotary member.

1,632,970. ADJUSTABLE TIE PLATE. WILLIAM H. HUFF, Hamlet, N. C. Filed Dec. 21, 1926. Serial No. 156,172. 8 Claims. (Cl. 238—290.)



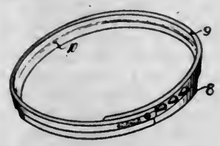
1. The combination with a tie plate, of a clamping plate slidably mounted thereon, and having arms slidably interlocked with the tie plate and provided with cleats at their inner ends which coact with the inner edge of the plate to confine the base of the rail.

1,632,971. OIL-BURNING STOVE. ALBERT E. JAMES, Natchez, Miss. Filed Oct. 22, 1926. Serial No. 143,478. 2 Claims. (Cl. 158—40.)



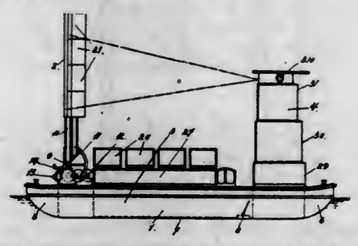
1. The combination in an oil-burning stove, of a closed end horizontally disposed fuel distributing pipe, having a downturned end, one or more burners in detachable communication with said distributing pipe, a sediment chamber of tubular form horizontally disposed below said fuel pipe and secured to and in free communication with said downturned end, a detachable conduit connecting one end of said sediment chamber with a source of fuel supply, and a removable threaded plug closing the free end of said sediment chamber, substantially as shown and described.

1,632,972. PAN HOLDER. BAILEY L. JEFFERS, Spokane, Wash., assignor of one-half to Horace C. Gay, Spokane, Wash. Filed Dec. 30, 1925. Serial No. 78,310. 1 Claim. (Cl. 53—1.)



A holder for cooking utensils comprising a split base ring the ends whereof are adapted to overlap, said ring having formed integral therewith an upstanding flange of a larger diameter than the ring, said ring at one overlapped end being provided with a pin extended inwardly thereof, the other of the overlapping ends of the ring being formed with a spaced series of key-hole slots adapted for reception of said pin to secure said holder about the bottom of the cooking utensil with the bottom resting within said flange on top of said ring.

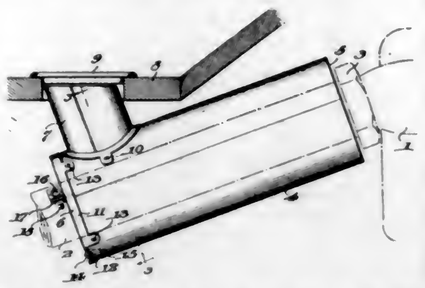
1,632,973. ADVERTISING DEVICE. JAN COENRAAD JOHANKNEGT, The Hague, Netherlands. Filed July 23, 1924, Serial No. 727,817, and in the Netherlands May 10, 1924. 1 Claim. (Cl. 88—24.)



A boat arranged for advertising purposes including a receiving screen, a projecting-apparatus for projecting advertising pictures either stationary or moving onto

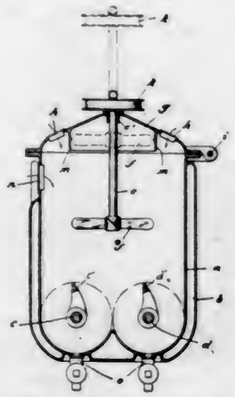
said screen, a telescopic cabin containing said projecting-apparatus, means for raising said cabin high above the deck or lowering same into the body of the ship and means for movably mounting said receiving screen opposite said cabin comprising a supporting structure capable of being lowered onto the deck of the boat.

1,632,974. AUTOMOBILE HEATER. LAWRENCE C. KARCHER and LIONEL ASMAN, Evansville, Ind. Filed Dec. 12, 1924, Serial No. 755,473. Renewed Nov. 26, 1926. 1 Claim. (Cl. 257—241.)



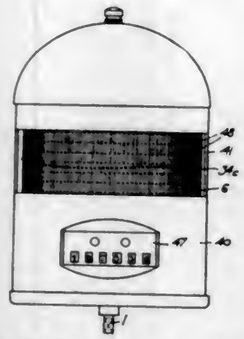
The combination with the exhaust pipe of an automobile engine, of an automobile heater comprising a drum or shell which surrounds said exhaust pipe, is open at its front end, and carries on its side near its rear end an outlet pipe for the delivery of the heated air to an opening in the floor-board of the automobile, said drum or shell being provided at its rear end with a clamp composed of substantially similar arc-shaped sections adapted, collectively, to surround and engage the exhaust pipe, each of said sections having a flange overlapping the end of the drum, the flange of one of said sections being secured to the drum, the other section being hinged to the fixed section aforesaid, ears carried by said sections, bolt and nut means connecting the ears for clamping the movable section around and against the end of the drum and around and on the exhaust pipe of the engine, said sections closing the rear end of the drum, said drum being internally larger than the exhaust pipe.

1,632,975. KNEADING AND MIXING MACHINE. FRITZ KEMPTER, Stuttgart, Germany. Filed Aug. 25, 1924, Serial No. 734,026, and in Germany June 13, 1924. 3 Claims. (Cl. 259—99.)



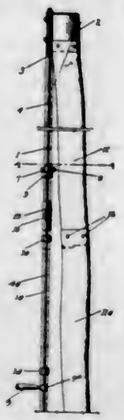
1. Kneading machine comprising a trough, a kneader in said trough and a rotary agitator mounted in said trough for axial displacement above said kneader.

1,632,976. SPEED-INDICATING APPARATUS. PER ANDERSSON KOURTZMAN, Vartan, near Stockholm, Sweden. Filed Nov. 19, 1925, Serial No. 70,098, and in Sweden Nov. 19, 1924. 1 Claim. (Cl. 235—1.)



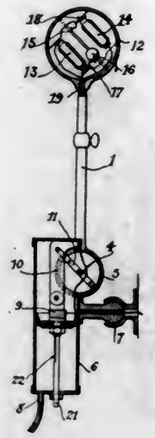
In a speed indicating apparatus of the character described, the combination of a rotatable drum the circumferential wall of which is composed of a plurality of axially extending spaced lamellæ forming between them axially extending slots, one side surface of each slot being serrated transversely, spring actuated pins arranged radially with respect to said drum and movable axially in said slots and formed with a serrated portion engaging the serrated side surface of the slot, means for rotating said drum, and means for displacing said pins axially so as to adjust them into positions corresponding to the momentary speed of a vehicle.

1,632,977. FRUIT-PICKING APPARATUS. JOSEPH I. LAVAGNINO, Angels Camp, Calif. Filed Feb. 27, 1925. Serial No. 11,992. 1 Claim. (Cl. 56—336.)



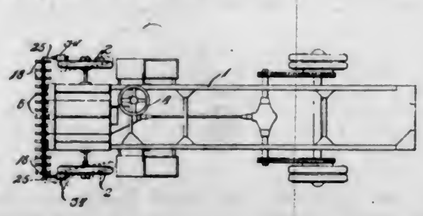
A fruit picker comprising a rigid support, an annular band secured at one end of the support and adapted to embrace the fruit to be picked, a turnable rod bracketed to the support parallel thereto, a cutting blade fixed to the top of the rod and arranged to sweep across the top edge of the band, hand means applied to the rod for turning the same and manipulating the blade, a collar turnably mounted on the rod separate from the handle, means for holding the collar set at any position about the rod, and a stop member projecting from the collar and positioned to engage the support after the rod has been turned a predetermined distance.

1,632,978. SIGNAL DEVICE FOR MOTOR VEHICLES. HENRI LEGENDRE, Paris, France. Filed Feb. 26, 1926, Serial No. 90,989, and in Germany Aug. 25, 1925. 4 Claims. (Cl. 116—39.)



1. A signal device for motor vehicles comprising at one side of the vehicle a pivoting arm, a crank rigidly connected with the said arm, a spring upwardly urging the said arm into the vertical position, a link pivoted at one end to the said crank, a cylinder, a piston mounted in this cylinder and pivoted to the other end of the said link, a conduit connecting this cylinder with the intake of the motor, a valve device mounted on the said conduit and controlled by the driver and means allowing the external air to enter the cylinder every time the piston reaches the end of its stroke.

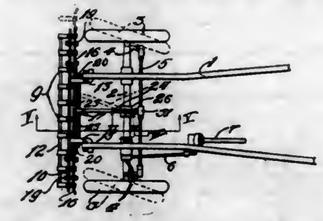
1,632,979. EXTENSIBLE FENDER. GUIDO LOLLI, Chicago, Ill. Filed Oct. 18, 1926. Serial No. 142,330. 16 Claims. (Cl. 293—24.)



3. The combination with a vehicle and the steering wheels thereof, of a main fender section supported on the front end of the vehicle, auxiliary fender sections slidably mounted on said main fender section, and roller mechanisms carried by said auxiliary fender sections and positioned to coact with the steering wheels to cause one of the auxiliary fender sections to be extended when the steering wheels are turned.

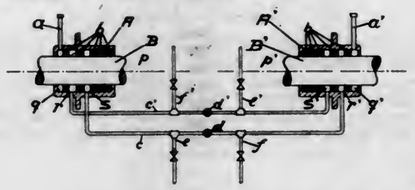
1,632,980. EXTENSIBLE VEHICLE FENDER. GUIDO LOLLI, Chicago, Ill. Filed Dec. 20, 1926. Serial No. 155,781. 7 Claims. (Cl. 293—13.)

3. The combination with a vehicle and the steering cross rod thereof, of a main fender section supported on the front end of the vehicle, auxiliary fender sections slidably mounted on said main fender section, and a fulcrumed lever connected with said steering cross rod and



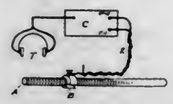
coacting with said auxiliary fender sections to coact therewith to cause one of said auxiliary sections to be extended when the steering cross rod is actuated.

1,632,981. STEAM-TURBINE GLAND WITH MORE THAN ONE PIPE CONNECTION. ANDERS MARIUS PEDERSEN LUNDEGAARD, Copenhagen, Denmark. Filed Feb. 4, 1921, Serial No. 442,482, and in Denmark Feb. 4, 1920. 4 Claims. (Cl. 286—19.)



1. A pressure-regulating arrangement for the stuffing boxes of steam turbines comprising a plurality of packing rings in each stuffing box forming a plurality of chambers therein, one chamber of each box being in communication with the atmosphere; a pipe leading from an inner chamber of one box to an outer chamber of the other box; a second pipe leading from an outer chamber of the first-named stuffing box to an inner chamber of the second-named box; and means for equalizing and regulating the pressure in said chambers.

1,632,982. WAVE METER. JOSEPH O. MAUBORGNE and GUY HILL, Washington, D. C. Filed Aug. 6, 1920. Serial No. 401,746. 3 Claims. (Cl. 250—39.)

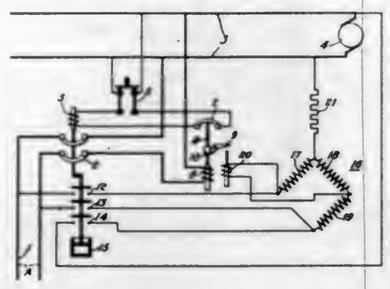


2. In an apparatus for receiving electromagnetic waves the combination of an open circuited and ungrounded resonance wave coil calibrated with respect to frequency along its length and being electrically free at its opposite ends, and capable of being acted upon throughout its entire length by the radiant energy from a transmitting source, a detector, a responsive device connected with said detector, and means closely coupling said detector with said resonance wave coil.

1,632,983. AUTOMATIC CIRCUIT INTERRUPTER. JOSEPH H. PROCTER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 23, 1920, Serial No. 375,965. Renewed Apr. 27, 1927. 16 Claims. (Cl. 175—294.)

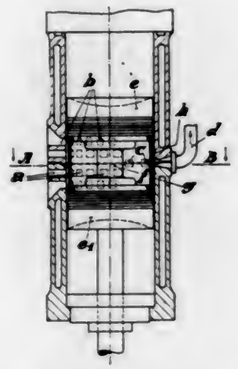
1. In an electrical distributing system, the combination with an interrupter, of means for opening the interrupter to completely disconnect both sides of a circuit and means

thereafter connected to the circuit conductors and rendered operative to preclude the reclosing of the interrupter until the load conditions on the circuit so change



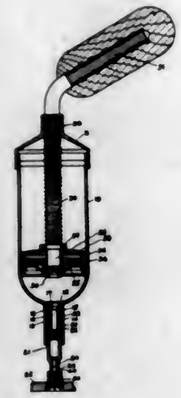
as to preclude current from traversing the interrupter in excess of a predetermined value, said means constituting, with the circuit conductors, a Wheatstone bridge.

1,632,984. DOUBLE-ACTING TWO-STROKE INTERNAL-COMBUSTION ENGINE. WILHELM RIERM, Augsburg, Germany, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed Dec. 23, 1926, Serial No. 156,652, and in Germany, Dec. 21, 1925. 9 Claims. (Cl. 123—61.)



8. A double acting two stroke cycle internal combustion engine of the character described, comprising a cylinder, a piston operating therein to provide a combustion space at each end of the cylinder, said cylinder having exhaust ports and scavenging air admission ports in the wall thereof for each said combustion space, said exhaust ports and scavenging air admission ports being arranged about only a portion of the circumference of the cylinder, and adjacent the transverse center of the cylinder, said piston comprising a disc portion at each end, each of said disc portions being adapted to control the said admission and exhaust ports associated with one of the said combustion spaces, a piston portion of reduced diameter intermediate said two disc portions and providing an annular chamber between said piston and the cylinder wall, said cylinder also having auxiliary ports out of alignment with said air admission and exhaust ports, to permit the discharge of combustion gases leaking past the disc portions of said piston and into the annular chamber about said piston.

1,632,985. LUBRICATING APPARATUS. OSCAR ULYSSES ZERK, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Original application filed Nov. 21, 1922, Serial No. 602,465. Divided and this application filed Jan. 2, 1924. Serial No. 683,972. 7 Claims. (Cl. 221—47.4.)



1. In a lubricating apparatus, the combination with a lubricant receiving nipple of a gun for supplying lubricant under pressure thereto, said nipple having an inlet face with a circular passage therethrough providing a surrounding contact edge, said gun having a nozzle element provided with a convexly spherical contact face partially entering the passage in said nipple and engaging the surrounding circular edge when pressed thereagainst, thereby forming a sealed, lubricant conducting connection between said gun and said nipple.

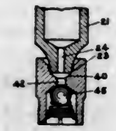
1,632,986. LUBRICATING APPARATUS. OSCAR ULYSSES ZERK, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Original application filed Nov. 21, 1922, Serial No. 602,465. Divided and this application filed Jan. 3, 1924. Serial No. 684,169. 4 Claims. (Cl. 221—47.4.)



1. The combination with a nipple element having an inlet opening surrounded by a convex spherical portion, of a gun for supplying lubricant under pressure to said nipple, said gun having a nozzle element terminating in a convex conical outer surface, said nozzle element having a substantially cylindrical axial bore intersecting said conical surface to define a contact edge.

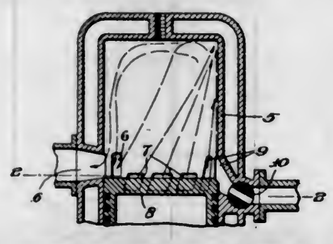
1,632,987. LUBRICATING APPARATUS. OSCAR ULYSSES ZERK, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Original application filed Nov. 21, 1922, Serial No. 602,465. Divided and this application filed Jan. 3, 1924. Serial No. 684,170. 4 Claims. (Cl. 221—474.)

1. The combination with a lubricant receiving nipple having a part forming an annular protective ridge and a recess providing a spherical concave contact face protected by said ridge, of a lubricant compressor for supplying lubricant under pressure to said nipple, said compressor having a nozzle element terminating in a flat end surrounded by a circular dirt cutting contact edge for co-



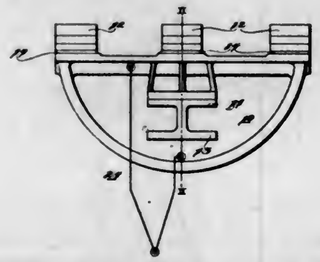
operating with the contact face of the nipple to make sealed contact therewith from any one of a plurality of different angular positions.

1,632,988. INTERNAL-COMBUSTION ENGINE AND METHOD OF OPERATING THE SAME. EDWARD T. ADAMS, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 7, 1920, Serial No. 401,859. Renewed May 10, 1926. 7 Claims. (Cl. 123—65.)



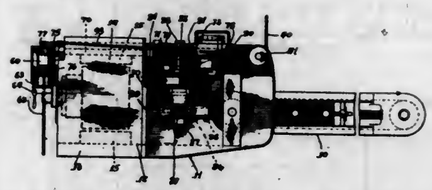
6. An internal combustion engine cylinder provided with a plurality of admission ports having their margins remote from the cylinder head, all in substantially the same plane, some of said ports extending toward the cylinder head beyond other of said ports, and means cooperating therewith, including a valve controlling some of said ports and positioned closely adjacent thereto to prevent dead spaces, whereby all of said inlet ports open simultaneously, after the beginning of the exhaust and before the end of the power stroke, and whereby some of said ports close substantially before the end of the exhaust, and some approximately with the ending of the exhaust.

1,632,989. REDUCTION GEARING. KARL BAUMANN, Urmston, England, assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed June 22, 1923, Serial No. 647,121, and in Great Britain July 25, 1922. 5 Claims. (Cl. 74—7.)



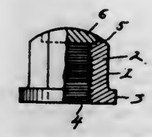
1. In or for power transmission gearing a floating frame structure comprising a frame and one or more bearings wherein the floating frame is disposed mainly at one side of the center line of the bearing or bearings and means are provided for maintaining a substantially uniform temperature throughout the frame.

1,632,990. MINING MACHINE. GEORGE BODIN, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 26, 1924. Serial No. 758,009. 5 Claims. (Cl. 262—30.)



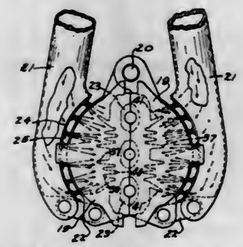
1. In a mining machine, a motor, a forwardly projecting cutter bar and flexible feed driving mechanism including a feed drum and a multiple speed transmission device, both said cutter bar and feed mechanism being disposed in front of said motor and included substantially within the vertical limits thereof, a tail rope drum rotatable on an axis extending longitudinally of the machine and at the rear end of said motor, power connections between said tail rope drum and said multiple speed transmission device including a shaft extending along one side of said motor casing, and means for selectively actuating either said feed drum or said tail rope drum through said multiple speed transmission device at a plurality of feeding speeds.

1,632,991. NUT. WILLIAM N. BOOTH, Detroit, Mich. Filed July 31, 1922. Serial No. 578,726. 2 Claims. (Cl. 85—35.)



2. In an acorn nut having an internally threaded inner end portion and a relatively thick flat plug having a press fit into the outer end of said body, the outer ends of said plug and body being rounded in continuation of each other.

1,632,992. MEANS FOR COOLING MOLDS. THOMAS A. BRAGG, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 30, 1926. Serial No. 138,593. 13 Claims. (Cl. 49—40.)



1. A mold having a plurality of mold cavities, flanges extending radially from the upper and lower ends of the mold, and pairs of ribs extending longitudinally of the mold intermedinte the mold cavities.

1,632,993. VEHICLE SPRING. ALANSON P. BRUSH, Detroit, Mich. Filed Dec. 10, 1923. Serial No. 679,824. 13 Claims. (Cl. 267—54.)

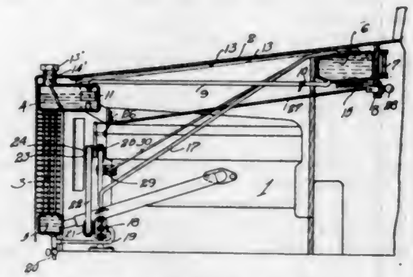
1. The combination with a vehicle frame, of a supporting spring therefor having one end rigidly attached

to said frame, and means adjacent to the point of rigid attachment for controlling the deflection of the spring within safe limits, the said means being so shaped with



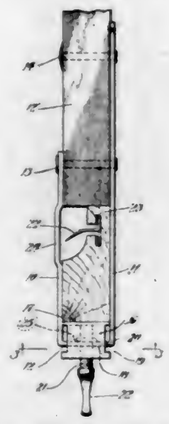
respect to the spring as to produce in the body portion of the spring substantially the same movement as with a pivotal connection at said point of attachment.

1,632,994. COOLING SYSTEM FOR AUTOMOBILES. HERBERT S. BURGESS, Kellogg, Idaho. Filed Nov. 14, 1925. Serial No. 69,023. 2 Claims. (Cl. 123—174.)



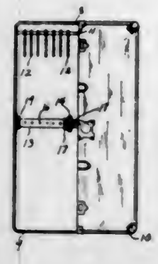
1. In a water cooling system the combination with upper and lower radiator tanks and means for filling the upper tank, of an auxiliary tank elevated above the upper tank and having a gravity feed pipe connected thereto, a float controlled valve in the upper tank for automatically controlling the admission of water from the auxiliary tank, an overflow pipe from the auxiliary tank to the upper tank, a pump and operating means therefor, an intake pipe from the lower tank to the pump and a discharge pipe from the pump to the auxiliary tank.

1,632,995. CURTAIN-STRETCHER CLAMP. CHARLES G. CARLSON, Chicago, Ill. Filed Feb. 6, 1926. Serial No. 86,404. 2 Claims. (Cl. 45—22.)



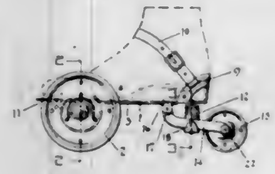
1. In a clamp for curtain frames or the like, the combination of spaced plates connected at their outer ends by a cross head provided with guide slots in its exposed edges, an abutment member comprising a contact face plate subtending the space between the plates and rearwardly extending walls embracing and guided within the slotted edges in the cross head and terminating in laterally extending shoulders projecting beyond the slots in the cross head to limit the sliding movement of the abutment member, and an adjusting screw entered through the cross head and bearing against the rear surface of the abutment member, substantially as described.

1,632,996. TRUNK CUSHION AND RETAINER. WILLIAM C. CHESNET, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Sept. 17, 1923. Serial No. 663,262. 3 Claims. (Cl. 190—13.)



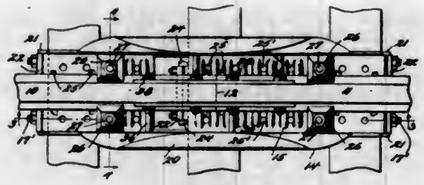
1. The combination with a wardrobe trunk section having garment hangers for suspending wearing apparel therefrom, of a cushion means for the suspended apparel comprising a soft fabric cushion means positioned in the rear portion of the trunk section beneath the garment hangers, a retainer bar adjustably connected to the trunk section and movable toward and away from the rear cushion and having a front soft fabric cushion means extending in horizontal alinement with the rear cushion means, both of said cushion means adapted to engage the wearing apparel suspended from the garment hangers.

1,632,997. WHEEL SKATE. THOMAS J. CONNOLLY, Toledo, Ohio, assignor to The Hiker Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 22, 1925. Serial No. 64,088. 3 Claims. (Cl. 208—175.)



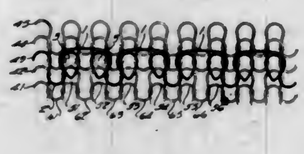
1. In a wheel skate, a pair of wheels connected to the skate and located under the forward part of the skate, a wheel, a lever pivotally connected to the last named wheel and to the skate at a point intermediate the ends of the skate, the lever projecting rearwardly beyond the heel of the skate so as to locate the pivot of the last named wheel to the rear of the heel of the skate, a cushion means located intermediate the lever and the skate for resiliently connecting the last named wheel to the skate at a point well to the rear of the skate.

1,632,998. RAIL-JOINT SUPPORT. WILLIAM G. COUGHLIN, Philadelphia, Pa. Filed May 2, 1925. Serial No. 27,540. 25 Claims. (Cl. 238—210.)



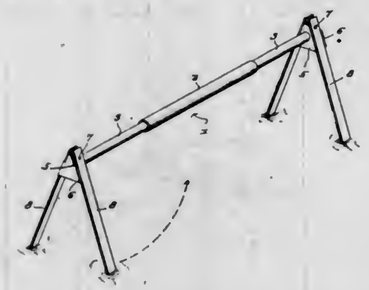
1. A rail joint support having a base materially wider than the base flange of a rail adapted to rest on more than two cross ties, said support being so shaped that the section modulus increases in the same ratio from end to center as does the applied stress.

1,632,999. RUN-STOP COURSE FOR KNITTED FABRICS. JOHN GLADING COUNCIL, Northampton, Mass., assignor to McCallum Hosiery Co., Northampton, Mass., a Corporation of Massachusetts. Filed May 18, 1926. Serial No. 109,845. 10 Claims. (Cl. 66—172.)



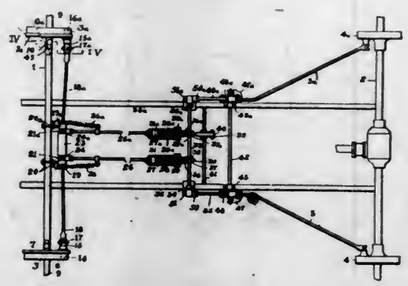
1. In a knitted fabric, a course having alternate sinker wale loops spread and knitted into the adjacent needle wales of the same course at each side.

1,633,000. STREET BARRIER. GUY LA FAYETTE CULVER, Scranton, Pa. Filed Nov. 22, 1926. Serial No. 150,013. 2 Claims. (Cl. 256—64.)



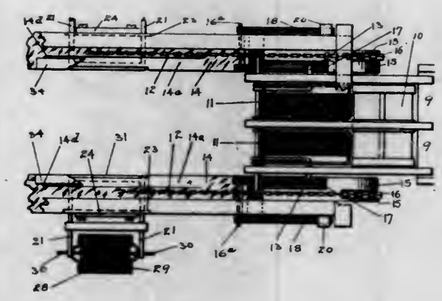
1. In a barrier structure of the class described, a rail comprising a central tube, a pair of cylindrical end sections slidable in said tube, cooperating means between the end sections and tubes for limiting the outward sliding movement of the end sections, heads on the outer ends of said end sections, and supporting legs pivotally connected to said heads, said heads being of a design to dispose said supporting legs in downwardly diverging relation or to allow them to be swung up into parallelism with said rails.

1,633,001. VEHICLE BRAKE. CHARLES J. CUPPETT, Uniontown, Pa. Filed May 14, 1926. Serial No. 109,013. 1 Claim. (Cl. 188—10.)



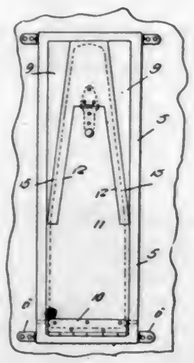
For an automobile, a rock-shaft, an upwardly and a downwardly, projecting arm carried thereby, a front wheel brake, a rear wheel brake, a rod connected to the front wheel brake and the downwardly extending arm so as to operate the latter brake when the rock shaft is rocked forwardly, a rod connected to the rear wheel brake and the upwardly extending arm so as to operate the latter brake when the rock shaft is rocked in the said direction, a second rock shaft, an L-shaped member connected to the latter shaft to operate the rear wheel brake when the latter shaft is rocked rearwardly, the rod sliding idly in the said member when the first rock-shaft is so rocked and idly in the upwardly extending arm when the second rock-shaft is so rocked, and separate means for rocking the rock-shafts, the second rock-shaft having an arm pivoted to one end of the said member while the other end of the same loosely embraces the rear brake rod.

1,633,002. FRUIT GRADER. FRANK W. CUTLER, Portland, Oreg., assignor to Cutler Manufacturing Company, Portland, Oreg., a Partnership. Filed Jan. 15, 1925. Serial No. 2,684. 10 Claims. (Cl. 209—121.)



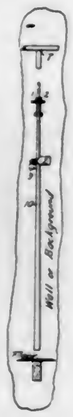
1. In a fruit grader: an endless traveling chain; a chain sprocket; a track upon which said chain travels; a member pivotally mounted upon said track adjacent said sprocket adapted to support said chain as it travels from said sprocket to said track; and a spring supporting the free end of said member.

1,633,003. CABINET IRONING BOARD. JOSEPH DEARWOOD, Sault Ste. Marie, Mich. Filed Jan. 28, 1927. Serial No. 164,236. 2 Claims. (Cl. 68—10.)



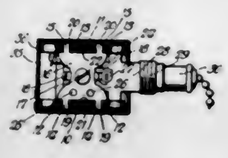
1. In a device of the class described, a cabinet open at its front side, an ironing board pivoted at its lower end within the cabinet and adapted to be swung outwardly of the cabinet and downwardly to a horizontal operative position for use, a lower door section hinged transversely at its lower end to the lower end of the cabinet below said board, and being of less length than the cabinet, an upper door section hinged at its lower edge to the upper edge of the lower door section, and being swingable to a position approximately at right angles with respect to the lower door section when in operative position, the upper end of the upper door section supporting the outer end of said board, when in said position, and side legs extending from the lower edge of the upper door section and adapted to engage the floor.

1,633,004. BILLIARD-CUE, ROD, AND LIKE ARTICLE RACK HANGER AND LOCKER. ARRESTID DEMERS, Sherbrooke, Quebec, Canada. Filed Nov. 17, 1924, Serial No. 750,496, and in Canada Dec. 24, 1923. Renewed May 11, 1927. 7 Claims. (Cl. 273—15.)



1. A cue, rod or the like rack, comprising a rotatable rod having convenient offset portions forming a movable jaw and a working handle, a stationary jaw conveniently secured to a stationary object, bearing means for said rod, said stationary jaw cooperating with said movable jaw, said jaws having a spring so adapted as to normally keep them closed while allowing the placing of an object between them, which is then held in place.

1,633,005. INSULATED MOUNTING FOR ELECTRICAL CONTACTS. VICTOR R. DESPARD, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed July 19, 1924. Serial No. 727,042. 10 Claims. (Cl. 200—168.)



1. In a device of the character described a pair of insulating members having openings therein, a pair of metallic members having projections mounted in said openings and a switch mounting engaging said insulating members, said projections being upset against said members to secure said metallic members to said insulating members and to hold said insulating members in definite spaced relation to thereby hold said switch mounting in position.

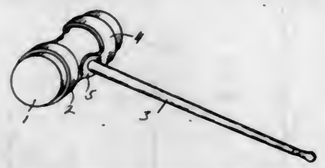
9. In a device of the character described, a pair of conducting members having projections thereon and means for holding said conducting members in definite spaced relation to each other and insulating said members from each other comprising a pair of members of insulating material having openings therein through which said projections extend, said projections having means thereon for securing the same in said openings, said insulating members and said conducting members forming a rigid rectangular framework with one pair of opposite sides of conducting material and the other pair of sides of insulating material, and a switch frame mounted within said rectangular frame and between said insulating members, said switch frame having pairs of projections seated in paired openings in said insulating members.

1,633,006. AUXILIARY LIFTING ARRANGEMENT FOR AEROPLANES. JAMES W. DUNDAS, Detroit, Mich. Filed Nov. 29, 1926. Serial No. 151,319. 4 Claims. (Cl. 244—5.)



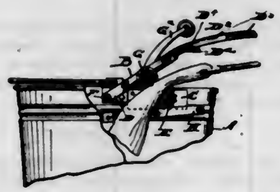
1. In an arrangement of the character described, the combination with an aeroplane having a fuselage and wings attached to said fuselage, of a main casing mounted on the upper side of said fuselage, wing casings on said wings and secured to said main casing, a plurality of gas bags in each of said casings, and a gas line under said bags and connected to them.

1,633,007. MAUL. FRED C. EHINGER, Palmyra, Mich. Filed Sept. 28, 1925. Serial No. 59,153. 5 Claims. (Cl. 145—36.)



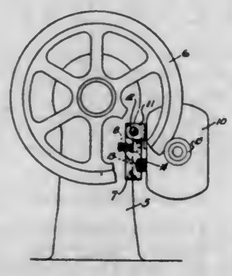
1. In a maul, the combination with a wood head provided with a recess, of a metal casing for said head, the said casing having a malleable portion movable into engagement with the recess in the head for securing the casing to the head.

1,633,008. MOP WRINGER. JAMES M. EIFFE, Fultonville, N. Y., assignor to White Mop Wringer Company, Fultonville, N. Y., a Corporation of New York. Filed Dec. 15, 1926. Serial No. 154,892. 2 Claims. (Cl. 15—262.)



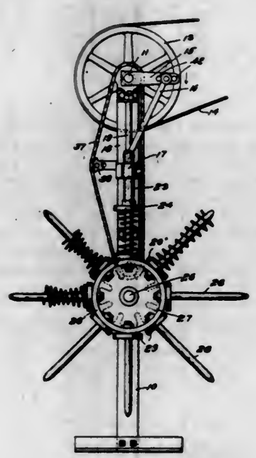
1. In combination with a pail, a mop wringer comprising a fixed and a swinging frame, the swinging frame being hinged to the fixed frame, the fixed frame being adapted to be secured to the pail; a roller journalled in the fixed frame; a roller journalled in the swinging frame; a crank arm secured to the shaft of one of said rollers, whereby it may be manually rotated, said swinging frame having a concave depression adapted to receive the knee of the operator, whereby pressure may be applied to the swinging frame when expressing water from the mop upon manual rotation of the rollers.

1,633,009. MOTOR BRACKET. WILLIAM ERNST, Racine, Wis., assignor to Hamilton Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed May 5, 1926. Serial No. 106,979. 1 Claim. (Cl. 74—26.)



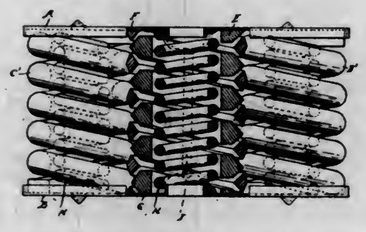
In combination, a sewing machine head carrying a revoluble hand wheel, a block member secured to the side portion of the head, a U-bracket pivotally secured to the end portions of the block member, a motor secured near its upper portion to said bracket, said motor having a pulley wheel adapted for frictional engagement with said hand wheel, and a spring interposed between the block member and the lower portion of the motor for urging the motor outwardly to yieldingly hold the pulley wheel thereof in engaging position.

1,633,010. MACHINE FOR SHORTENING SPRINGS. JOHN A. FINDORA, Pittsburgh, Pa., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 27, 1923. Serial No. 677,237. 8 Claims. (Cl. 140—89.)



1. A machine for compressing helical springs, having in combination a reciprocable compressor head, a work-holder including a flanged disk, work-supporting fingers projecting from the flange thereof, and means for intermittently rotating said work-holder in synchronism with the reciprocations of said head for successively presenting springs thereto.

1,633,011. SPRING SUSPENSION FOR RAILWAY CARS. HARRY W. FROST, Detroit, Mich. Filed June 14, 1926. Serial No. 115,969. 7 Claims. (Cl. 267—4.)

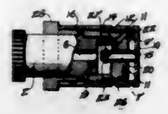


1. A spring suspension for railway cars, comprising a nest of freely movable or live springs and one or more frictional resistance springs acting in unison.

1,633,012. JET AND SPRAY NOZZLE. FRED GLOVER, Caulfield, Victoria, Australia. Filed Jan. 13, 1927, Serial No. 160,910, and in Australia Jan. 11, 1926. 11 Claims. (Cl. 299—117.)

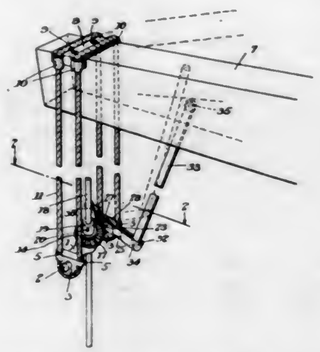
1. An improved jet and spray producing nozzle or device comprising a valve having a hollow stem adapted to slide longitudinally in the direction of the liquid flow

under the pressure of the liquid passing through the nozzle, said valve having an inlet opening to said stem at its rear end; an inlet passage aligning with said inlet opening and controlled by said valve; a manually operable adjusting sleeve enclosing said valve, said sleeve having a discharge orifice formed in alignment with the valve stem through a transverse front wall which is adapted to engage and move said stem in the opposite direction and to retain the valve in various adjusted positions against the action of the liquid pressure; and a



valve-carrying member embodying a partition spaced from said transverse wall and having an opening wherein the valve stem is slidably arranged and also have a series of liquid passages, said valve-carrying member having an internal chamber behind said partition into which said inlet passage and said liquid passages open, communication between said liquid passages and said discharge orifice by way of such space being cut off by the engagement of the front end of the valve stem with said transverse wall.

1,633,013. SUCKER ROD AND PLUNGER ROTATOR. EDWIN L. GLUYAS, Maricopa, Calif. Filed June 28, 1926. Serial No. 119,112. 5 Claims. (Cl. 255—14.)

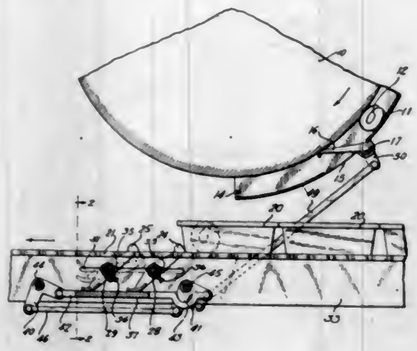


1. A rotator as described comprising a yoke, means for operatively suspending said yoke from the end of the walking beam of an oil well rig, a vertical sleeve extending through and turnably mounted in said yoke through which sleeve the polish rod of the rig extends, a head on the upper end of said sleeve upon which rests the polish rod clamp, a bevel gear secured on said sleeve head, a shaft journaled on said yoke, a bevel pinion on said shaft in mesh with said bevel gear, and means actuated by said walking beam for rotating said polish rod.

1,633,014. PAN-FILLING MACHINE. LAURENCE S. HARBEN, Saginaw, Mich., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich., a Corporation of New York. Filed July 8, 1924. Serial No. 724,755. 22 Claims. (Cl. 226—2.)

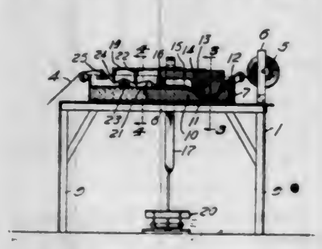
1. The combination with a loaf depositing mechanism of means for carrying a pan into position to receive a loaf from said mechanism and for holding the same in said position until after a loaf is deposited therein.

10. In a pan filling machine, a loaf depositing mechanism, means for moving a plurality of pans past said mechanism, means for holding each pan stationary in a position to receive a loaf, and power actuated means controlled by the next succeeding loaf for releasing said holding means.



15. In a pan filling machine, a traveling pan carrier, a loaf-depositing mechanism, a pawl normally acting as a stop for the pans carried by said carrier, and power actuated loaf controlled means for rendering said pawl temporarily inoperative.

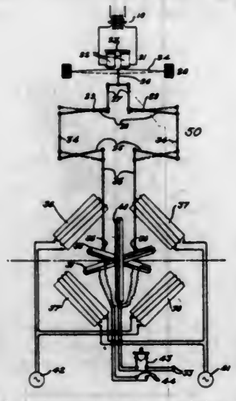
1,633,015. FLUXING AND CLEANING APPARATUS. JOSEPH D. HARRIS, Detroit, Mich., assignor, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed Jan. 28, 1922. Serial No. 532,484. 3 Claims. (Cl. 91—70.2.)



1. A flux applying machine, comprising a tank adapted to contain a fluxing solution, two blocks arranged one above the other, one of said blocks being fixed in said tank and submerged in the solution therein, the other block being movable toward and from said fixed block, said blocks having fabric linings on their opposed surfaces to engage and clean both sides of the sheet metal band or ribbon drawn between them, and upright wipers above the solution in said tank and across which the band passes after leaving said blocks.

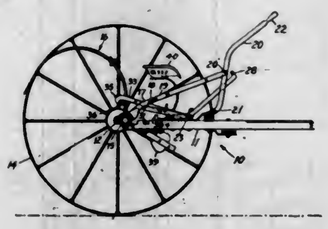
1,633,016. ELECTRIC-WAVE-MODULATING SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 7, 1925. Serial No. 41,914. 9 Claims. (Cl. 179—171.)

1. The method of modulation which comprises generating a high frequency carrier wave, shifting the phase of said wave to produce sideband frequencies and an unmodulated carrier frequency component, generating a second wave of carrier frequency, shifting the phase of said second wave so as to generate sidebands in phase with said first mentioned sidebands and an unmodulated carrier frequency component opposite in phase to said



first mentioned component, and combining said waves to cause suppression of said first mentioned unmodulated component.

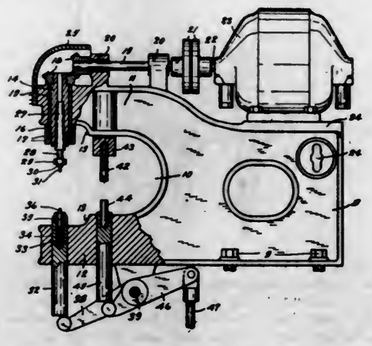
1,633,017. BUNCH RAKE. HENRY P. HENDRICKSON, Santa Rita, Calif., assignor, by direct and mesne assignments, of forty per cent to Joseph L. Del Monte and ten per cent to M. C. Frank, Oakland, Calif. Filed Aug. 6, 1925. Serial No. 48,502. 17 Claims. (Cl. 56—384.)



10. In a rake adapted for hay bunching and having a frame and an axle supported by ground wheels and being provided with a rake-supporting head pivotally mounted on the axle, a member pivotally connected with the head; a second member pivotally connected with the first-mentioned member and also pivotally connected with the frame, said pivotally connected members being adapted to rotate said head so as to lower the rake to raking position or to raise the rake to dumping position; foot-operated means for actuating said members, said means being operable in either rake position by one foot without shifting the foot; and means connected with the frame for limiting the movement of the foot-operated means so as to stop the rake in the raking position, said members in the stopped position forming a toggle joint whereby the rake is locked in the raking position.

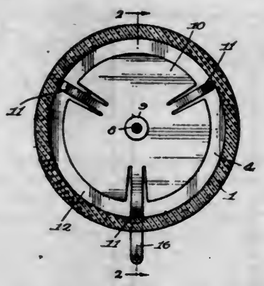
1,633,018. MACHINE FOR LINING BRAKES AND CLUTCHES. JOHN B. HIRD, Seattle, Wash., assignor, by direct and mesne assignments, to Ideal Brake Reliner Company, Seattle, Wash., a Corporation of Washington. Filed Oct. 17, 1922. Serial No. 595,037. 1 Claim. (Cl. 29—26.)

A machine of the class described embodying a frame having a U shaped recess extending inwardly from the front edge thereof, rotary drill and countersink devices journaled in said frame and projecting downwardly into said recess near the open end thereof, a work elevating device slidably mounted in said frame and arranged to project upwardly into said recess in alignment with said drill and countersink devices, means for driving said



drill and countersink devices, means for lifting said work elevating device, rivet clinching devices operatively mounted in said frame and projecting into said recess, to the rear of said drill and countersink devices and means for operating said rivet clinching devices.

1,633,019. ELECTRICAL CONDENSER. WALTER H. HUTH, Chicago, Ill. Filed Nov. 19, 1925. Serial No. 70,053. 10 Claims. (Cl. 175—41.5.)

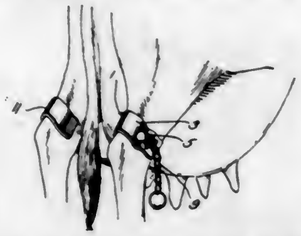


1. In an electrical condenser, the combination of a housing therefor comprising two casing sections secured together to provide a chamber between them, condenser plates and dielectric means in said chamber, held against rotation, with one plate movable and free at its outer edges, instrumentalities to movably position said one plate in said chamber, so that the one plate is movable while remaining flat, and mechanism for regulating the capacity of the condenser, disposed entirely at one side of the movable plate, extending axially through one section of the casing, operative by pressure on the movable plate to vary the distance between the plates.

1,633,020. COW HOPPLE. FLOYD M. INGRAM, Sioux Rapids, Iowa. Filed June 7, 1926. Serial No. 114,253. 1 Claim. (Cl. 24—116.)

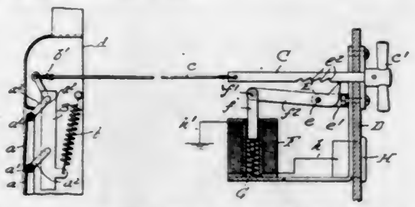
Means for holding a flexible element, comprising a U-shaped grip embodying arms for engaging the object whereunto the flexible element is to be connected, one of said arms having an outwardly extended terminal flange which is curved reversely and of sinous form, the flange being provided with a keyhole slot which is distorted out of flat form by the aforesaid curvature of the flange, the flange having a depressed seat across which the reduced part of the keyhole slot extends, the end of the reduced part of the keyhole slot being disposed

adjacent to the end of the flange; and a flexible element having projections, the reduced part of the keyhole slot being narrow enough so that the projections cannot pass through it, the seat being so shaped as to receive any of the projections and thereby limit the accidental transverse



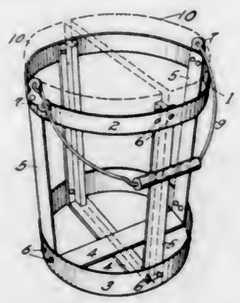
movement of the flexible element from the reduced part of the keyhole slot into the enlarged part thereof, the flexible element being freely movable in the direction of its length in the enlarged part of the keyhole slot when the flexible element has been forcibly moved transversely thereinto.

1,633,021. OPERATING MECHANISM FOR RADIATOR SHUTTERS. FRANK J. IRVING, Buffalo, N. Y., assignor to Irving Engineering Sales Co., Inc., Buffalo, N. Y. Filed Jan. 11, 1924. Serial No. 685,706. 12 Claims. (Cl. 123—174.)



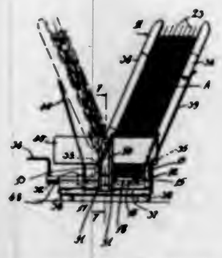
1. The combination with a shutter for the radiator of an internal combustion engine, means for normally closing said shutter, a shutter control device for opening said shutter against the action of said closing means, retaining means for holding said device in a shutter opening position, and means actuated by the stopping of the engine to cause said retaining means to release said shutter control device, to cause the shutter to be closed.

1,633,022. CARRIER FOR BUCKETS AND THE LIKE. LILLIAN JACOBS, Cincinnati, Ohio. Filed Dec. 8, 1924. Serial No. 754,697. 2 Claims. (Cl. 224—45.)



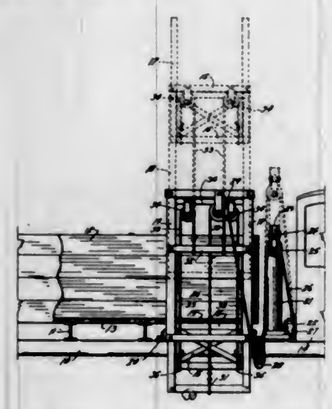
2. A carrier for buckets and the like, comprising a frame, a plurality of buckets in the frame, a bail on each bucket, a bail on the frame, and divisional strips projecting inwardly from the frame to separate the buckets.

1,633,023. TRAY BINDER. JESSE M. JONES and ROBERT R. WEBB, Los Angeles, Calif., assignors to Charles R. Hadley Company, Los Angeles, Calif., a Corporation of California. Filed May 8, 1926. Serial No. 107,563. 14 Claims. (Cl. 129—1.)



6. A tray binder comprising an expansible binder, and an expansible tray loosely supporting the binder and operable by expansion of the binder to expand the tray.

1,633,024. ELEVATING PLATFORM FOR TRUCKS. EARL J. KOFFORD, Denver, Colo., assignor to Denver Ice & Cold Storage Company, Denver, Colo., a Corporation of Colorado. Filed June 11, 1926. Serial No. 115,228. 4 Claims. (Cl. 214—75.)

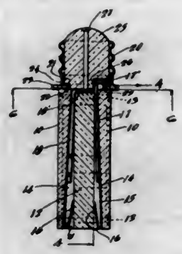


1. The combination with an automobile chassis, of a series of four, upright, connected, angle posts fixed to said chassis; a second series of four, upright, connected, angle posts vertically slidable within said first series; a third series of four, upright, connected, angle posts vertically slidable within said second series; a hydraulic ram carried by said chassis; sheaves arranged to be raised by said ram; second sheaves fixed below said ram; third sheaves carried adjacent the top of said first series of upright posts; and a cable attached to said chassis at one extremity and passing over said first sheaves to a connection with said second series; and a two to one cable and sheave system between said second series and said first series.

1,633,025. SWIVEL PLUG. MICHAEL KRANZ, Chicago, Ill., assignor of one-fourth to Winand H. Nelles, Chicago, Ill. Filed Jan. 6, 1926. Serial No. 79,540. 3 Claims. (Cl. 173—334.)

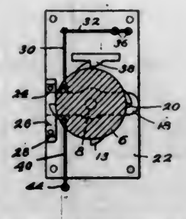
1. A device of the class described comprising a body with a plurality of channels, metallic members with a plurality of contact fingers mounted in said channels

to provide a plurality of electric sockets, contact bars fastened to said metallic members and having their outer ends bent over, one end being spaced from said body, a collar with flange means for engaging under said bent end, operating members mounted on said flange means and



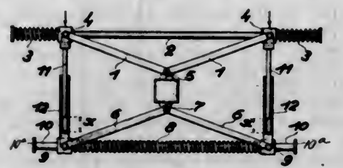
collar for rotating the collar, a neck in said collar and having a notch for engaging over said bent end, and a contact pin extending through said neck and engaging the other bar to retain the neck and collar in position on said body.

1,633,026. CURTAIN FIXTURE. MICHAEL KRATTLI, Kansas City, Mo. Filed Feb. 18, 1925. Serial No. 10,082. 3 Claims. (Cl. 156—35.)



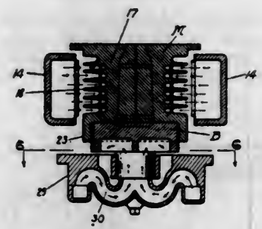
1. A fixture of the character described consisting of a lever for supporting one end of a curtain roller, a bracket upon which said lever is fulcrumed, spaced stops on said bracket and between which the free end of said lever projects, a toothed wheel fixed to one end of the roller, a detent on the bracket, spring means for yieldably holding the toothed wheel in engagement with said detent, and means for causing the lever to disengage the toothed wheel from said detent.

1,633,027. SPRING-SUPPORTING MEANS AND THE LIKE. ERNST KREISSIG, Uerdingen, Germany. Filed Feb. 27, 1926, Serial No. 91,075, and in Germany Sept. 24, 1924. 6 Claims. (Cl. 267—20.)



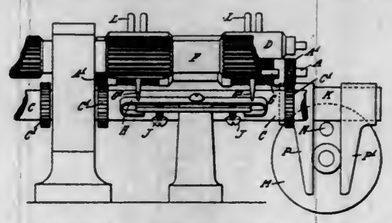
1. In a spring support for vehicle parts and the like, a system of spring-actuating struts comprising a plurality of relatively movable struts, and means operatively connected to said struts so as to cause certain of the struts to be subject to loading stress ahead of the imposition of the load strain upon the entire system of struts.

1,633,028. MEANS FOR COOLING MOLDS. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed June 12, 1922. Serial No. 567,516. 8 Claims. (Cl. 49—68.)



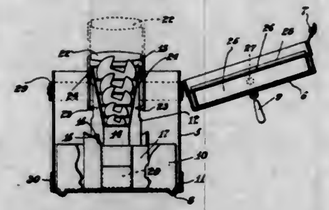
1. A mold formed with a plurality of molding cavities and cooling ribs on the mold, the outline of the mold with the ribs thereon being substantially circular, and the body of the mold at the base of the ribs being reduced in diameter at the portions intermediate said mold cavities.

1,633,029. APPARATUS FOR DRAWING TEXTILE FIBERS. GUILLAUME CLEMENT LAURENCY, Twickenham, England, assignor of sixty per cent to Grant McLean, London, England. Filed Mar. 19, 1926, Serial No. 96,039, and in Great Britain June 22, 1925. 14 Claims. (Cl. 19—128.)



1. In apparatus for drawing textile fibers, the combination of a toothed roller forming a filter adapted to retain all the fibers of the roving by means of its teeth alone, a longitudinally-fluted front drawing cylinder located in close proximity to the filter roller, a segment partly surrounding said cylinder, and adjustable spring means for pressing said segment against the flutes of the cylinder; said cylinder acting to draw the fibers separately from the mass of roving, without disarranging the other fibers, by removing them from the teeth of the filter roller and causing them to slide across the inner surface of the segment.

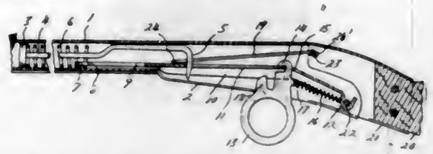
1,633,030. TOOL KIT. CHARLES L. LAWRENCE, New York, N. Y. Filed Jan. 24, 1925. Serial No. 4,409. 5 Claims. (Cl. 206—16.)



1. A mechanic's tool tray having converging side walls and transverse partitions forming two series of compartments graded in depth from the center toward op-

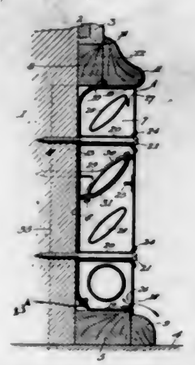
posite ends of the tray, the deeper compartments near the center being also wider than shallower compartments near the ends and adapted to hold systematically two graded sets of wrenches.

1,633,031. POPGUN. CHARLES F. LEFEVER, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a Corporation of Michigan. Filed Aug. 2, 1926. Serial No. 126,554. 6 Claims. (Cl. 124—8.)



1. In a gun, the combination with the barrel and frame, of a plunger assembly insertable within said barrel and frame and comprising a plunger having a hooked shank, a spring-surrounding said shank and having one end abutting said plunger, a flanged abutment member for the opposite end of said spring having a slot for engagement by the hook of said shank, and a trigger carried by said abutment member and provided with a sear for engagement by the hook of said shank.

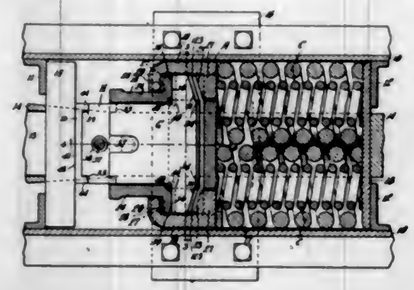
1,633,032. BASEBOARD RADIATOR FOR THE ROOMS OF BUILDINGS. FRIDOLF M. NORDLING, Denver, Colo. Filed July 19, 1926. Serial No. 123,529. 8 Claims. (Cl. 257—133.)



5. In a device of the character described, the combination with heating elements, of a housing therefor, simulating a base board and comprising a back plate adapted to lie against a wall, a base strip, a crown molding, and a front plate, said front plate having hook members along its upper edge to engage said crown molding and foot portions to engage said base strip, spacing tubes between the front and back plates, screws extending through said front plate and tubes and back plate and into said wall, and turn buttons on said screws to engage said front plate, said front plate having screw receiving slots of a width to permit the said turn buttons to pass through them when said buttons are turned to be parallel with said slots.

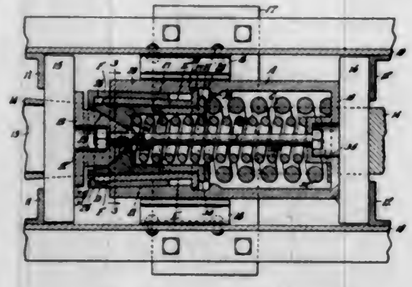
1,633,033. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed May 27, 1925. Serial No. 33,163. Renewed Apr. 18, 1927. 9 Claims. (Cl. 213—24.)

1. In a friction shock absorbing mechanism, the combination with a column element; of a friction shell, said shell and element having limited relative movement; a main spring resistance; a plurality of intercalated friction plates within the shell; lateral pressure creating means co-operating with said plates; pressure transmitting means for forcing said plates inwardly of the



mechanism, said means being anchored to certain of said plates; and means for arresting movement of the remaining plates after a predetermined compression of the mechanism.

1,633,034. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 8, 1925. Serial No. 35,700. Renewed Apr. 22, 1927. 12 Claims. (Cl. 213—33.)

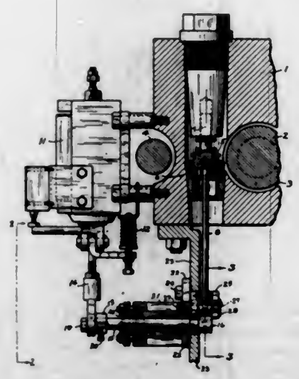


1. In a friction shock absorbing mechanism, the combination with a friction shell; of a plurality of curved friction plates cooperating with the shell, certain of said plates having limited movement with reference to the shell; an abutment face on the shell adapted to engage with the inner ends of said last named plates for limiting the movement thereof while permitting further movement of the remaining plates; lateral wedge pressure-creating means co-operating with said plates; and a main spring resistance.

1,633,035. PUMP LOADING AND UNLOADING MECHANISM. PETER W. RECK, Bettendorf, Iowa, assignor to The Bettendorf Company, Bettendorf, Iowa, a Corporation of Iowa. Filed Dec. 11, 1926. Serial No. 154,128. 10 Claims. (Cl. 103—40.)

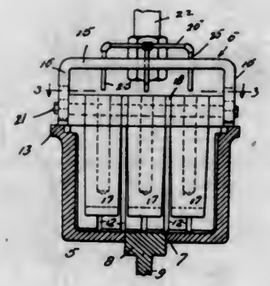
1. The combination with a reciprocating hydraulic pump having a pressure chamber, a suction valve leading thereto, and a push rod for lifting the valve from its seat, of pump unloading mechanism comprising means for imposing predetermined lifting pressure on said push rod of lesser degree than the pressure on the valve during the pressure stage of the pumping cycle whereby said valve is actuated by said mechanism only when the actuating force applied to the push rod is less than the opposing force of the internal pressure of the pressure chamber acting on said valve, said mechanism comprising a bell crank actuated by said pressure means, a cam shaft

on which the bell crank is mounted, a stuffing box through which the shaft extends, a cam carried by the cam shaft remote from the bell crank, and a second piv-



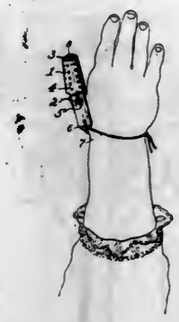
otally mounted cam actuated by the first cam to impose lifting force on the push rod when the cam shaft is actuated.

1,633,036. MULTICELL-BATTERY-BOX MOLD. JAMES K. ROBINSON, Jr., Altoona, Pa. Original application filed Jan. 16, 1926, Serial No. 81,763. Divided and this application filed Oct. 19, 1926. Serial No. 142,635. 3 Claims. (Cl. 49—68.)



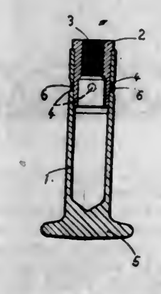
1. A mold for forming a battery box of the type specified, comprising a female unit of box-like configuration, said unit being made up of duplicate half sections, being provided at the center of its bottom with an opening for passage of an ejector, being provided at its top with an outstanding flange having recesses, and a male unit adapted for insertion into said female unit, said male unit comprising a head plate having downturned end portions disposed over said flanges and formed with longitudinally spaced notches, a plurality of downwardly tapered core members having vertical bores opening through their tops, spacing elements arranged between said cores and between the down turned portions of said plates for maintaining said cores in spaced relation, means fastening the end spacing members to said downturned plate ends, bolts extending through said spacing members and through said cores, and an assembly of piping including depending branches extending down through said head plate and terminating in alinement with said bores.

1,633,037. THUMB-SUCKING PREVENTIVE FOR BABIES. HAZEL B. ROOD, Ames, Iowa. Filed Dec. 11, 1926. Serial No. 154,075. 1 Claim. (Cl. 128—133.)



A device of the character described, comprising in combination, an elongated downwardly widened thumb covering having a rigid smooth walled body and a depending integral smooth stem on one side, the upper end of the covering being closed and provided with small apertures, the outer side wall of the covering above and in line with said stem having small apertures, a flexible fastening device connected detachably to the neck part of said stem to fasten the device upon the wearer's thumb releasably, and another flexible fastening device connected detachably to the lower terminal of said stem to fasten the device upon the wearer's wrist releasably.

1,633,038. VALVE TAPPET. LÉON SAIVES, Billancourt, France, assignor to Louis Renault, Billancourt, France. Filed Feb. 25, 1927, Serial No. 170,953, and in France Nov. 17, 1926. 1 Claim. (Cl. 123—90.)

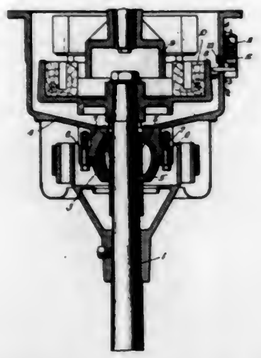


A valve tappet comprising a tubular stem, a base at the under part of and in a single piece with the stem, a threaded socket mounted in the upper part of the stem and of a different metal from that of the stem and base, apertures in the tubular stem, and discs of the same metal as that of the socket placed in the apertures and providing for the fixing of the socket in the tubular stem by electric welding.

1,633,039. SAFETY SWITCH FOR CENTRIFUGAL MACHINES. LE ROY C. SCHENCK, East Moline, Ill., assignor to Troy Laundry Machinery Co., Ltd., East Moline, Ill., a Corporation of New York. Filed Jan. 7, 1927. Serial No. 159,567. 5 Claims. (Cl. 192—129.)

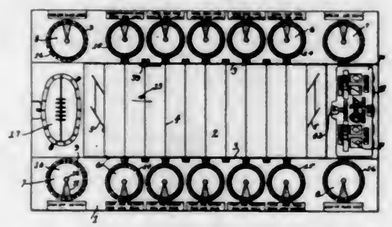
3. In a centrifugal extractor, in combination, a rotary shaft, supporting means for said shaft permitting a universal movement thereof, a clutch member secured to

said shaft, a complementary clutch member for communicating the movement to said first mentioned clutch member, an electric switch for controlling the rotation



of said complementary clutch member, said switch having means adapted to be engaged by said first mentioned clutch member to open said switch when said first mentioned clutch member acquires undesirable gyrations.

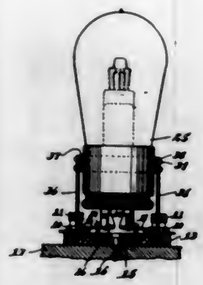
1,633,040. FOOTBALL-GAME APPARATUS. ADOLPH E. SCHURCH, Los Angeles, Calif. Filed Aug. 30, 1926. Serial No. 132,343. 10 Claims. (Cl. 273—94.)



1. In a football game apparatus having a game board indicating a football field and a pea representing the football, to be placed at different points on the field, the combination of a chance-device with a plurality of different characters located at different points on the same, and any one of which may be indicated when the chance device is operated, a dial having a margin with different characters around the same corresponding to the said different characters of the chance-device, and having an indicating member adapted to be moved into a position corresponding to the character indicated by the operation of the chance device, said dial having means for indicating different plays corresponding to different positions of the said indicating member of the dial.

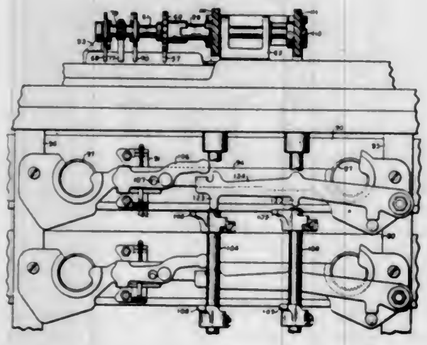
8. In a football game apparatus, a chance device having a continuous raceway and a ball to move along the same, means for projecting the ball along the raceway, said raceway having a plurality of pockets, in any one of which the ball may stop, said pockets having distinctive characters for determining the play to be made, a pivoted plate forming the bottoms of the pockets and having openings corresponding to the different pockets which may align with the pockets when the plate is moved to permit the ball to fall out of the pocket in which it may lodge.

1,633,041. RADIOTUBE-HOLDING DEVICE. ARTHUR E. SCHUFFENHAUER, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,520. 1 Claim. (Cl. 173—328.)



An electric bulb socket comprising a nonconducting base, a bulb receiving sleeve mounted thereon, a plurality of horizontally arranged radially disposed resilient arms, a socket element supported intermediate the ends of each arm adapted to receive the electrodes of an electric bulb and provided with a slot at one side, the free end of each of the arms being bent upwardly and extended through one of the slots to resiliently engage the electrodes and thereby firmly hold the latter against the walls of the socket elements.

1,633,042. CASH REGISTER. BERNIS M. SHIPLEY, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed June 30, 1924. Serial No. 723,190. 7 Claims. (Cl. 235—22.)

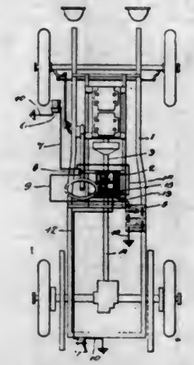


3. In a machine of the class described, the combination of a drawer, a plurality of banks of keys, a differential for each bank of keys, and a single means separately operable by each of said differentials for causing said drawer to be opened.

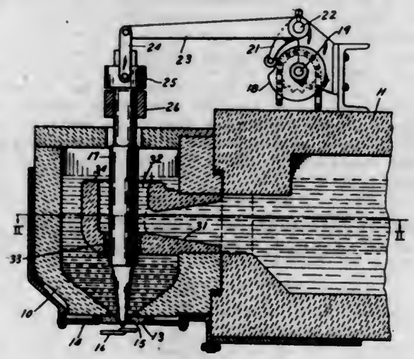
1,633,043. ELECTRICAL SIGNALING MEANS. HAROLD W. SLAUSON, New York, N. Y. Filed Oct. 18, 1924. Serial No. 744,322. 3 Claims. (Cl. 177—339.)

1. In combination with an automotive vehicle, a reversing mechanism therefor, including a control lever, an audible warning device mounted adjacent the forward end of the vehicle and arranged to project sound waves in a forward direction, a second audible warning device

mounted adjacent the rear end of said vehicle and arranged to project sound waves in a rearward direction, manual means for simultaneously operating said warning devices, and means dependent upon the position of said control lever for rendering said second audible warning device inoperative.



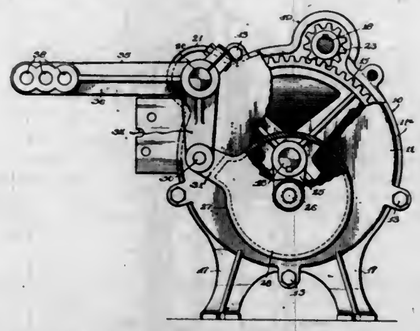
1,633,044. APPARATUS FOR FEEDING MOLTEN GLASS. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 14, 1924. Serial No. 706,318. 7 Claims. (Cl. 49—55.)



2. In apparatus for delivering charges of molten glass, the combination of a container for the glass having an outlet opening in its bottom, a regulating member projecting downward into the glass over the outlet and controlling the discharge, said container having an inlet opening below the normal level of the glass, means for supplying glass to the container through the inlet opening, and means to distribute the entering glass around the regulating member and then cause the distributed glass to move outwardly away from the regulating member before it reaches the said outlet opening.

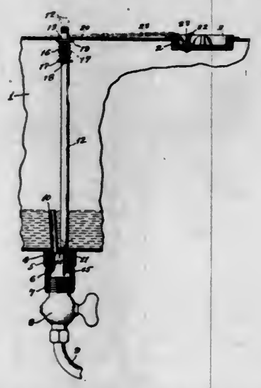
1,633,045. PUMP JACK. TIMOTHY J. STEARNS, Davenport, Iowa, assignor to Red Jacket Manufacturing Co., Davenport, Iowa, a Corporation of Iowa. Filed Oct. 19, 1925. Serial No. 63,204. 5 Claims. (Cl. 74—14.)

1. In a power head, an enclosed casing forming a lubricant-chamber, reduction gearing in said casing, including driving and driven shaft extending through said casing and having bearings therein, said driven shaft having a crank arm carried thereon outside of said casing, an oscillating actuator comprising a shaft extending through said lubricant-chamber and having bearing



in said casing, and a pair of arms at opposite ends of said shaft adapted for attachment to pitmen, an arm disposed substantially at a right angle to said first named arms, and a link connecting said last named arm with said crank arm.

1,633,046. MEANS FOR MAINTAINING A RESERVE SUPPLY OF FUEL IN FUEL TANKS. HOWARD DEAN STARR, Long Beach, Calif. Filed Mar. 25, 1925. Serial No. 18,146. 3 Claims. (Cl. 158—46.5.)

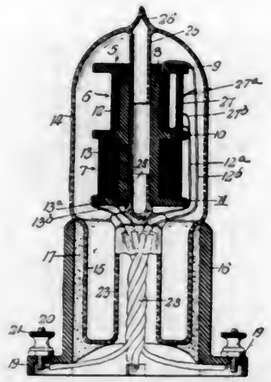


1. In combination with a tank, a fitting mounted in said tank, said fitting having an opening above the bottom of said tank and a second opening at the bottom of the tank, a rod seated in said second opening and extending through the top of the tank, resilient means normally holding said rod seated; a pin adapted to extend through said rod to hold it unseated, a filler cap, a flexible connection between said pin and said cap, said connection being adapted to retract said pin when the cap is being removed.

1,633,047. TRANSFORMER. ROBERT T. ST. JAMES, Chicago, Ill. Filed Apr. 12, 1924. Serial No. 705,966. 1 Claim. (Cl. 175—361.)

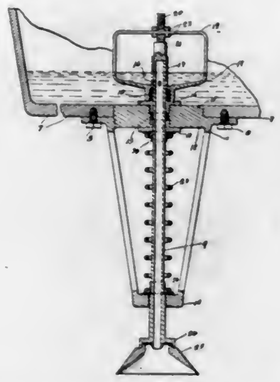
A transformer comprising, a sealed vessel having centrally disposed standard including a tubular extension, a tubular bobbin having a centrally disposed bore mounted on said standard with said extension projecting into one end of said bore, said vessel including an opposed tubular extension which projects into the other end of said

bore, a base on which said vessel is mounted which base includes binding posts, primary and secondary windings on said bobbin and conductors leading from said wind-



ings and sealed in and passing through said standard and connected to said binding posts, said bobbin and windings together with the interior of said vessel being dehydrated.

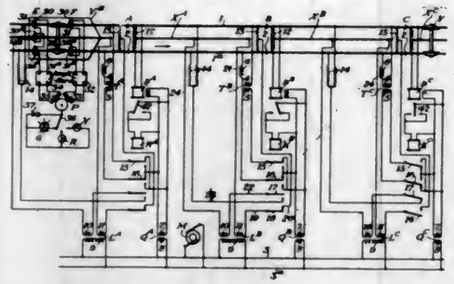
1,633,048. BOTTLE-FILLING DEVICE. RONALD F. THOMSON, Chicago, Ill. Filed Oct. 12, 1925. Serial No. 61,908. 5 Claims. (Cl. 226—102.)



2. A device of the class described comprising a container, a tube slidably mounted therein, a cup mounted on said tube, there being valve openings in said tube to be moved into open or closed position, means coacting with said openings for controlling the flow therethrough, and means for adjustably connecting said cup and tube to vary the exposable part of said valve openings.

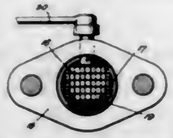
1,633,049. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HOWARD A. THOMPSON, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 22, 1926. Serial No. 110,923. 8 Claims. (Cl. 246—63.)

1. In combination, a stretch of railway track having an auxiliary conductor, means for supplying the stretch with loop current which flows at a given instant in one direction in the rails of the stretch and in the other direction through the conductor, a train carried receiver comprising three windings one in inductive relation with each rail and one in inductive relation with said conductor, said windings being connected in series in such



manner that the voltages induced therein by loop current flowing in the trackway are additive, and governing means responsive to the voltages induced in said windings.

1,633,050. MIXING DEVICE FOR INTERNAL-COMBUSTION ENGINES. ELIZABETH THORNTON, Detroit, Mich. Filed May 25, 1925. Serial No. 32,598. 2 Claims. (Cl. 48—180.)



1. A mixing device insertable between the intake pipe and cylinder of an internal combustion engine for the screening of wet gases entering the said cylinder, comprising a gasket having an orifice for the passage of gases therethrough, and a vertically disposed screen carried by said gasket and extending across the orifice thereof, said screen being of closer mesh adjacent the margins of said orifice than towards the center thereof, and the wider meshed portion of said screen being disposed substantially towards the upper margin of said orifice.

1,633,051. METHOD OF GENERATING GEARS. NIKOLA TESOJEVICH, Detroit, Mich. Filed Nov. 20, 1922. Serial No. 602,036. 13 Claims. (Cl. 51—278.)

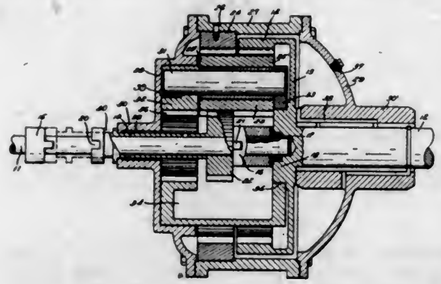


1. The method of indexing or division of the circumference of a work piece into equi-spaced segments comprising the movement of the work in a closed orbit relative to a cooperating member located in predetermined relation with said orbit, and the simultaneous rotation of the work about an axis co-planar with the axis of said orbit in timed relation with said orbital movement, whereby said cooperating member once in every cycle periodically engages a different portion of the circumference of the work.

1,633,052. REDUCING GEAR AND TRANSMISSION CONTROL. JOHN S. WATTS, Los Angeles, Calif. Filed Jan. 18, 1926. Serial No. 81,979. 1 Claim. (Cl. 74—34.)

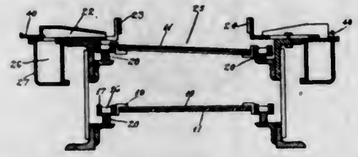
In a transmission of the general character described: a drive shaft; a shaft to be driven therefrom at a different angular velocity; a primary main gear provided

with means for holding the same against free rotation; a second main gear secured to one of said shafts; a composite gear member disposed eccentrically of and engaging both of said main gears; means whereby rotation of said drive shaft causes said composite gear member to roll on said primary gear member and to impart to said



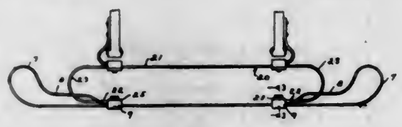
driven shaft, through said second main gear, a velocity of rotation different from that of said drive shaft; said gears being confined within a housing having a slot and said main gear being provided with means for its detention by a finger which is movable transversely thereof throughout said slot.

1,633,053. CONVEYING MECHANISM. PERCY Q. WILLIAMS, Cincinnati, Ohio. Filed Mar. 3, 1924. Serial No. 696,444. 4 Claims. (Cl. 198—29.)



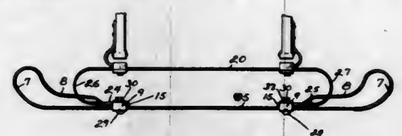
1. In a device of the class described the combination with a frame of a pair of tracks carried by the frame, the tracks having undulating upper surfaces, the undulations bearing a relation such that the raised portion of one track is disposed oppositely to the low portion of the other track, a belt supported at its edges upon the tracks, and air nozzles for directing blasts of air transversely of the belt.

1,633,054. AUTOMOBILE BUMPER. FRED WILLIAMSON, Chicago, Ill., and PAUL P. RUNNELS, Indianapolis, Ind.; said Runnels assignor to Oscar E. Stokes, Streator, Ill. Filed May 5, 1924. Serial No. 711,126. 5 Claims. (Cl. 293—55.)



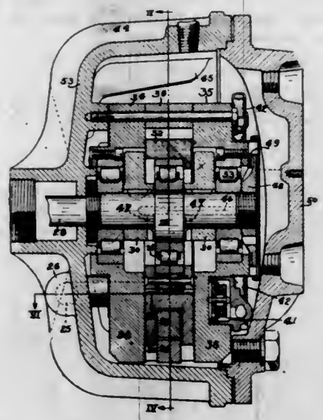
1. In a device of the character described, the combination with a supporting bar, of a retaining clamp having a body portion and mutually spaced arms respectively connected with the ends of the body portion in spaced relation thereto, said supporting bar being receivable between the ends of said arms substantially to close the space therebetween, upper and lower buffer bars having portions disposed respectively between the arms of said clamp and body portion thereof, and a plate bolted to both of said buffer bars and to said supporting bar.

1,633,055. AUTOMOBILE BUMPER. FRED H. WILLIAMSON, Chicago, Ill., assignor to Oscar E. Stokes, Streator, Ill. Filed Mar. 16, 1925. Serial No. 15,880. 10 Claims. (Cl. 293—55.)



1. In a device of the character described, the combination with a pair of vertically spaced buffer bars, of a C-shaped supporting member having its ends extending toward each other and formed with recesses, said bars having protuberances in interlocked relation with said recesses.

1,633,056. ROTARY-COMPRESSOR REFRIGERATING MACHINE. HAROLD H. WISHART, Hollywood, Calif., and WILLIAM WISHART, Clinton, Iowa, assignors to Climax Engineering Co., a Corporation of Delaware. Filed Jan. 23, 1925. Serial No. 4,148. 17 Claims. (Cl. 230—30.)



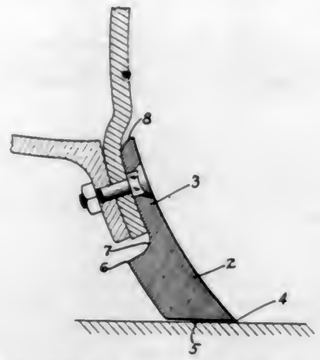
1. In a compressor of the class described, a cylinder, a shaft journalled therein, an eccentric on said shaft, a piston on said eccentric, a rocker adjustably mounted in the cylinder to maintain sealing engagement therein, and a blade secured to said piston and slidably engaged in said rocker.

4. In a device of the class described a casing having internal and external cooling fins, a rotary compressor mounted within said casing, a bath of lubricant partly submerging said compressor and a discharge valve for said compressor having an outlet extending above the level of the lubricant within said casing, and an oil trap adapted to receive the discharge from the compressor comprising a receiver and a gas collecting tube leading from a high point in the receiver, said receiver being adapted to drain back into said casing.

1,633,057. CUTTING SECTION FOR ROAD-SCRAPER BLADES. CARL O. WOLD, Minneapolis, Minn. Filed July 15, 1926. Serial No. 122,587. 2 Claims. (Cl. 37—143.)

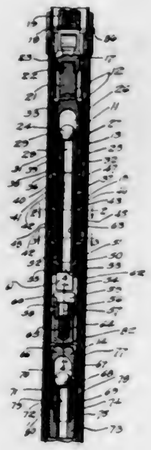
1. A scraper blade cutting section formed integrally and comprising a lower portion having a flat wearng surface of substantial area adapted to rest, when in use, upon the road surface, with a cutting edge at the front of the wearing surface, an upwardly extending plate por-

tion of reduced thickness having its forward surface forming with the forward surface of the lower portion an unobstructed curved face over which material may freely pass, and the rear surface of the upper portion provid-



ing an off set with the rear surface of the lower portion, the whole forming a structure capable of being produced at a single operation by passing a billet of requisite dimensions between suitable rolls.

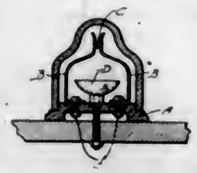
1,633,058. PUMP PLUNGER. JOHN A. ZUBLIN, Los Angeles, Calif. Filed Nov. 11, 1924. Serial No. 749,132. 10 Claims. (Cl. 103—225.)



1. A reciprocating pump comprising: a pump barrel; and a plunger reciprocable in said barrel, said plunger consisting of a section having a plunger sleeve and means secured to said section for providing a fluid-tight relationship between said barrel and said plunger so that it is only laterally adjustable relative to said means.

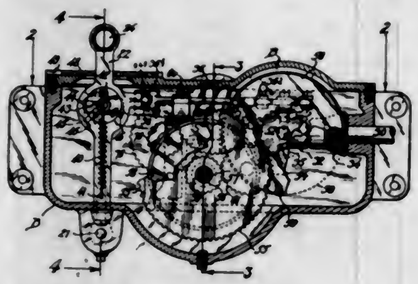
1,633,059. CRYSTAL DETECTOR. HARRY C. ADAM, St. Louis, Mo. Filed Mar. 12, 1923. Serial No. 624,521. 2 Claims. (Cl. 250—31.)

1. A crystal detector composed of two substantially disk-shaped conducting members arranged in parallel relation, one of said members being rigid and the other member being relatively limber and having a flexible or resilient central portion, a small-sized particle of material having rectifying properties interposed between said resilient portion and the opposed part of the rigid member, an insulating means positioned between said



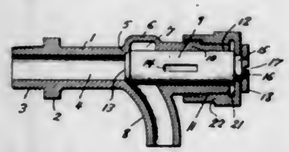
members, and a housing arranged in overlapping relation with said limber member and secured to said rigid member.

1,633,060. GRINDING MACHINE. WILLIAM J. BAUMBERGER, Davenport, Iowa, assignor to Micro Machine Company, Bettendorf, Iowa, a Corporation of Iowa. Filed June 28, 1923. Serial No. 648,238. 11 Claims. (Cl. 74—50.)



1. In combination, a reciprocable table, a gear drive therefor, a clutch for said gear drive movable to positions for driving the table in opposite directions, a shiftable member having a lost motion connection with said clutch, a rack for actuating said member, a pinion for actuating the rack, said pinion having a relatively stationary axis and means connected with the pinion for causing a quick movement thereof in each direction beyond a dead center position, said shiftable member being actuable in both directions by said table to cause movement of said pinion to a position of dead center.

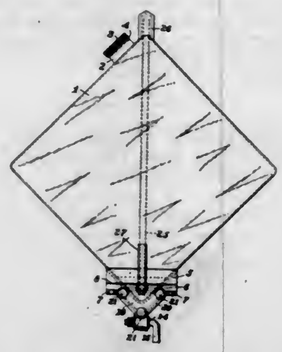
1,633,061. VALVE. WERNER BAUMGARTNER, Elgin, Ill. Filed May 22, 1926. Serial No. 111,003. 1 Claim. (Cl. 251—43.)



In a valve and in combination, a casing body having a bore and a valve seat at the forward end of the bore and also having a lateral chambered swell immediately in front of said valve seat and a lateral spout also in front of the valve seat, the portion of the casing body in front of the swell and the chamber therein and the spout, being provided with a circular bore of even diameter throughout its length and being open at its forward end and

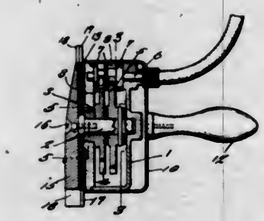
being also provided with an exterior thread, a rectilinearly movable valve body circular in cross section and of even diameter throughout its length disposed in the bore in the forward portion of the casing body and having its inner end beveled and opposed to said valve seat and also having a longitudinal slot in its side and further having a circular reduced portion adjacent to its forward end and a further reduced and threaded forward end, an inwardly projecting portion carried by the casing body and disposed in the slot of the valve body, a combined nut and hand wheel interiorly threaded and engaging the forward exterior thread of the casing body and having an end wall in which is a central circular aperture snugly receiving the circular reduced portion of the valve body, and further having a knurled circumferential portion, and a nut mounted on the threaded end portion of the valve body and opposed to the said end wall of the combined nut and hand wheel.

1,633,062. FUEL TANK. SAMUEL J. BENS, New York, N. Y. Filed Feb. 4, 1925, Serial No. 6,815. Renewed Nov. 16, 1926. 4 Claims. (Cl. 158—46.)



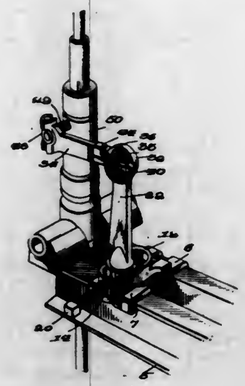
1. A fuel tank substantially rectangular in cross section, and having one of its diagonals arranged vertically, a feed fixture affixed to the lower corner of said tank, including a constant level chamber, and means to admit air to the top of the tank above the liquid level controlled from said constant level chamber.

1,633,063. HAIR-CUTTING MACHINE. LOUIS BERNARDUCCI, Bronx, N. Y. Filed Sept. 11, 1925. Serial No. 55,837. 4 Claims. (Cl. 30—1.)



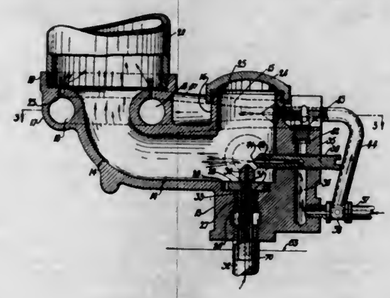
1. A hair cutter, comprising a frame, a pair of cutting disks, contacting with each other and supported by the frame to have rotary movement, cutting teeth on each disk and means for alternately rotating the disks step by step.

1,633,064. POLISHED-ROD ROTOR. ALEXANDER BOYNTON, San Antonio, Tex. Filed June 29, 1926. Serial No. 119,329. 12 Claims. (Cl. 255—14.)



1. A base plate for polished rod rotors comprising a pair of sections having beam engaging means, one of the sections overlapping the other section, the section which is overlapped being provided with a boss extending through the overlapping portion of one of the sections and adapted to receive the actuator of a rotor.

1,633,065. HEATING DEVICE. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Dec. 17, 1923. Serial No. 681,671. 2 Claims. (Cl. 158—28.)

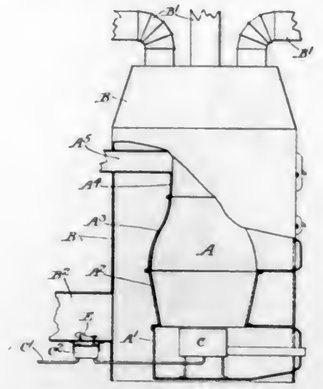


1. In a heating device, a fuel mixing chamber, a baffle wall forming part thereof, a liquid fuel nozzle projecting into said mixing chamber and a fuel supply pipe associated therewith, atomizing means adapted to spray the fuel delivered by said nozzle into said mixing chamber, the normal level of said fuel being substantially below the tip of the fuel nozzle, and means for returning the unvaporized liquid fuel directly to said supply pipe, comprising longitudinal draining grooves along the exterior of said fuel nozzle.

1,633,066. OIL-BURNING FURNACE AND THERMOSTATIC CONTROL THEREFOR. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1926. Serial No. 86,696. 10 Claims. (Cl. 236—9.)

1. In combination with a heating system comprising a furnace, a fuel burner therein, a fuel line thereto, a

control valve in said fuel line, an air enclosing housing about said furnace, hot air outlet means extending therefrom and a return cold air duct thereto, a thermostatic



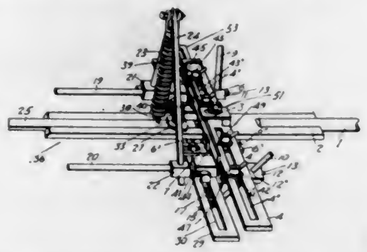
control means for said fuel line comprising in part a thermostatic element responsive to the temperature of the air of the return duct.

1,633,067. FIREPROOFED PRODUCT AND THE PRODUCTION THEREOF. CHARLES E. BURKE, Wilmington, Del., assignor, by mesne assignments, to Du Pont Viscoloid Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 2, 1926. Serial No. 79,037. 13 Claims. (Cl. 106—37.)

1. A fireproofed product comprising as a fire-retardant, a hydrated carbonate of magnesium.

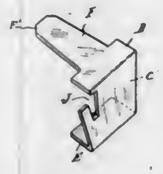
5. A composition comprising a cellulose ester, a plasticizing agent, and a hydrated carbonate of magnesium.

1,633,068. COIL-FORMING MACHINE. LORNE A. COLE, Brantford, Ontario, Canada. Filed Apr. 10, 1925. Serial No. 22,146. 7 Claims. (Cl. 140—92.2.)



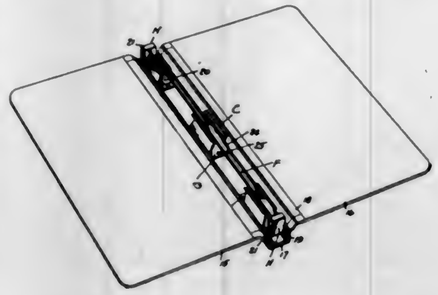
1. In a coil forming machine, a rotatable member, a loop forming device carried by the rotatable member, and on which a closed loop is formed having parallel sides, and comprising loop end forming and carrying members between which the parallel sides of the loop extend, a supporting structure adapted to resiliently hold the loop end carriers apart, and in which the carriers move freely transversely of the loop, means stationary in relation to the rotatable member and engaged by one longitudinal loop side at points spaced from the ends of the loop as the loop is formed, means movable in relation to the rotatable member laterally of the loop for engaging the other longitudinal loop side at points also spaced from the ends of the loop, whereby by the outward movement of the movable member the loop sides are spread apart, and the ends drawn in a corresponding direction into alignment with the longitudinal centre of the completed loop and towards each other against the aforesaid resilient holding means.

1,633,069. SHADE-ROLLER BRACKET. FRANK COONEY, Detroit, Mich. Filed Oct. 9, 1925. Serial No. 61,442. 2 Claims. (Cl. 156—24.)



1. A stamped sheet metal bracket comprising a U shaped body having a central portion formed with an opening for engagement by a shade roller, and having substantially parallel upper and lower portions projecting equally from said central portion, and further comprising a tapering tongue integrally projecting centrally from said upper portion, having a blunt end and having a lesser width than said upper portion, and constituting the sole support for the bracket.

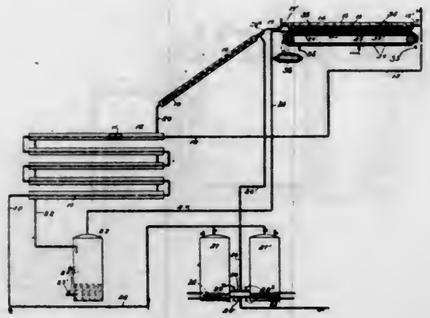
1,633,070. TEMPORARY BINDER. FRANK H. CRUMP, Los Angeles, Calif. Filed July 13, 1926. Serial No. 122,236. 6 Claims. (Cl. 129—38.)



1. A temporary binder comprising a cover having a back member, a plurality of longitudinally alined brackets secured to the back member and having flexible portions between which the bound portion of a magazine is adapted to be received and flexible fastening members disposed within and extending from one bracket to the other, said members being detachably secured within the brackets and adapted to extend between the leaves of a magazine in a manner to retain the latter within the brackets and to cause the brackets to restrain the magazine against turning movement between the fastening members.

1,633,071. METHOD OF PRODUCING CARBON BLACK. LEWIS J. DALES, Mount Vernon, N. Y. Filed Apr. 4, 1921, Serial No. 458,370. Renewed Aug. 27, 1924. 13 Claims. (Cl. 134—60.)

13. The method of producing carbon black from natural gas, which comprises taking the raw gas, passing the same through an elongated heating chamber, then through a condenser, utilizing the raw gas as a cooling medium whereby to separate the gas from the condensible hydrocarbons present therein, then conducting the separated gas to a point below said elongated heating chamber and burning said gas whereby to heat the interior of said heating chamber and to form a deposit of carbon black upon the outer surface of said heating

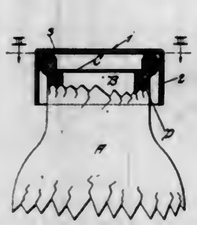


chamber, and finally scraping the carbon deposit from the outer surface of said heating chamber and conveying the same to a point of collection, substantially as specified.

1,633,072. STENCIL SHEET. ALEX BROOKING DAVIS, Cincinnati, Ohio, assignor to A. B. Dick, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1924. Serial No. 702,148. 10 Claims. (Cl. 41—38.6.)

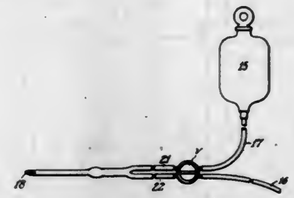
1. A stencil sheet including, as a principal ingredient of its coating, an organic polymer of elastic character, water insoluble and amorphous in structure.

1,633,073. BOTTLE COVER. JOSEPH W. DAWSON and JAMES L. HEROLD, St. Louis, Mo., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo., a Corporation of Missouri. Filed July 27, 1922. Serial No. 577,983. 3 Claims. (Cl. 215—38.)



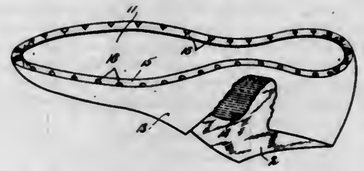
1. In a device for protecting the closure of a milk bottle submerged in a Pasteurizing liquid, a relatively heavy member impervious to moisture and supported by the upper portion of the milk bottle, within which member air is trapped, said member being provided with a top wall contacting with the upper edge of the neck portion of said bottle, and an annular downwardly extending side wall surrounding said neck portion of said bottle, said top wall being parallel throughout its width with said upper edge of the neck portion of said bottle, said annular downwardly extending side wall of said member being spaced from the adjacent side face of the bottle neck, said member being of sufficient weight to offset the tendency of said liquid to displace said member when in use, and said member being retained in place on the bottle by gravity only.

1,633,074. SURGICAL DEVICE. RICHARD H. DE MOTT, Tenafly, N. J. Filed Aug. 6, 1925. Serial No. 48,459. 4 Claims. (Cl. 128—240.)



1. In a device of the character specified, the combination with a tubular body portion having a longitudinal partition dividing it interiorly into two ducts, of a tubular nozzle in communication with one of the said ducts extending from the body and formed at its end with an orifice, the structure at the region of juncture between the body portion and the nozzle being circumferentially enlarged for holding the device in position in the cavity being treated, the wall of the body at the said region of juncture being formed with an orifice for the other of the said ducts.

1,633,075. PROCESS OF PREPARING FOOTWEAR. WILLIAM J. DE WITT, Auburn, N. Y., assignor to The Shoe Form Co., Inc., Auburn, N. Y., a Corporation of New York. Filed June 16, 1925. Serial No. 37,485. 3 Claims. (Cl. 12—142.)



3. The process of preparing shoes for market which comprises applying a stiff non-metallic thin walled hollow form open at top and bottom to a shoe last of substantially usual type, lasting the shoe about said hollow form, withdrawing the last leaving the form within the shoe, completing the shoe and trimming off the upper edge of the form substantially flush with the upper edge of the finished shoe, and packing the shoe with the form therein for shipment.

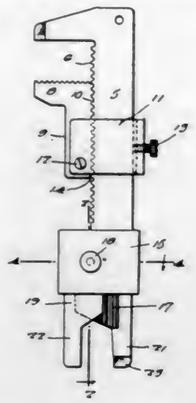
1,633,076. DUSTER. FARNUM F. DORSEY, Rochester, N. Y. Filed June 15, 1922, Serial No. 568,649. Renewed Nov. 6, 1926. 1 Claim. (Cl. 87—23.)

A duster comprising textile material with a microscopic coating of faktis on the individual fibers thereof.

1,633,077. TOOL. JEROME J. B. DREESEN, Jefferson, Tex. Filed Apr. 13, 1926. Serial No. 101,737. 1 Claim. (Cl. 81—132.)

A wrench of the class described including a jaw having a shank extending therefrom and provided with rack teeth on one edge, a second jaw having a shank, said shank of the second jaw being provided with rack teeth throughout the length of one edge meshable with the first-mentioned rack teeth, a yoke, means pivoting the end of the shank of the second jaw remote from said second jaw to extreme corners of the sides of the yoke, and a set-

screw threaded through the bight of said yoke for engaging the other edge of the first-mentioned shank for holding the movable jaw in different adjusted positions in

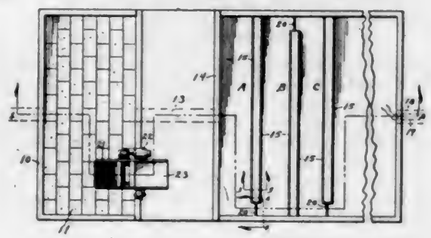


relation to the fixed jaw, the inside corner of the second shank being rounded for the purpose of permitting the swinging of the second shank towards said pivot means.

1,633,078. PROCESS OF DISPOSING OF WASTE MATERIAL AND UTILIZING COMPONENTS THEREOF. ANDREW ENGLE, Newton, Iowa, assignor of one-half to James Maine, Des Moines, Iowa. Filed Aug. 24, 1925. Serial No. 52,193. 2 Claims. (Cl. 71—8.)

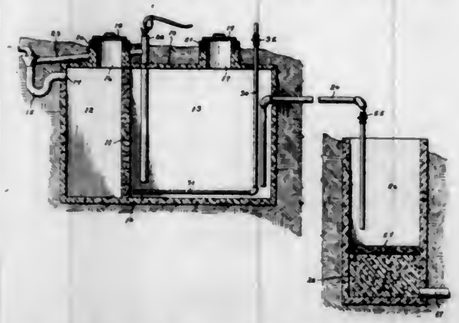
1. A process for disposing of sewage, night soil, garbage and the like, which consists in introducing such materials into a closed and sealed tank having a substantially porous partition through which the liquid portions may pass, permitting the solid and liquid portions to remain in said tank for a considerable time while nitrate-producing bacteria act thereon and therein, and utilizing some of the liquid portions from time to time for flushing the entrance of new material to the tank.

1,633,079. PROCESS OF DISPOSING OF WASTE MATERIAL AND UTILIZING COMPONENTS THEREOF. ANDREW ENGLE, Newton, Iowa, assignor of one-half to James Maine, Des Moines, Iowa. Filed Aug. 24, 1925. Serial No. 52,194. 4 Claims. (Cl. 71—8.)



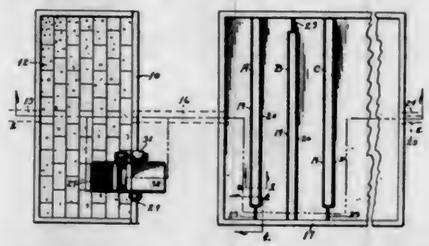
1. A process of disposing of waste material such as sewage, night soil, garbage and the like, which consists in separating the liquid from the solid portions thereof, filtering the liquid portions, permitting said liquid portions to be subjected to the action of nitrate-producing bacteria, destroying the bacteria, and again filtering such liquid portions.

1,633,080. MEANS OF DISPOSING OF WASTE PRODUCTS AND UTILIZING COMPONENTS THEREOF. ANDREW ENGLE, Newton, Iowa, assignor of one-half to James Maine, Des Moines, Iowa. Filed Aug. 24, 1925. Serial No. 52,195. 1 Claim. (Cl. 210—8.)



In a means for disposing of waste materials and utilizing components thereof including a closed tank divided into two compartments, a supply means comprising an inlet pipe provided with a trap for introducing waste materials to the initial compartment, a part of the liquid component being permitted to pass to the second compartment, and a pump device communicating with the second compartment and adapted to discharge liquid therefrom to the inlet pipe for the purpose of flushing it and the trap and thereby preventing undue dilution of the contents of the tank.

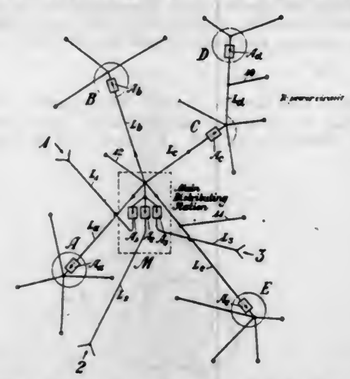
1,633,081. MEANS FOR DISPOSING OF WASTE MATERIAL AND UTILIZING COMPONENTS THEREOF. ANDREW ENGLE, Newton, Iowa, assignor of one-half to James Maine, Des Moines, Iowa. Filed Aug. 24, 1925. Serial No. 52,196. 3 Claims. (Cl. 210—8.)



1. In a device of the class described, a separate unit comprising a shell open at its top and having perforated side walls, spaced bars connecting lower portions of said side walls, a filtering material filling the lower portion of said shell, and a bacteria harboring medium such as soil superposed on said filtering material and adapted to receive bacteria-carrying liquid by capillary action therefrom.

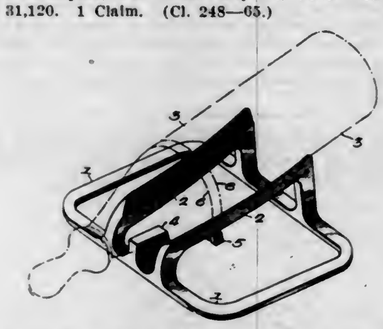
1,633,082. DISTRIBUTION OF INTELLIGENCE. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 25, 1922. Serial No. 531,863. 24 Claims. (Cl. 179—15.)

1. In a system for distributing amusement, news and the like, a central station, a plurality of subscribers' stations, subscribers' lines extending from said central station to said subscribers' stations, a common terminal at the central station to which said lines are connected in multiple, means to translate intelligence into high frequency carrier currents, means to apply said carrier currents to said common terminal for simultaneous transmission over a plurality of said lines to a plurality of said



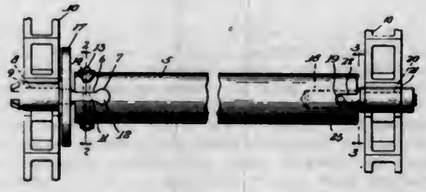
subscribers' stations, and detectors at said substations for simultaneously detecting the same intelligence from said carrier currents at a plurality of said substations.

1,633,083. BOTTLE HOLDER. JOHN E. FITE, Jr., Philadelphia, Pa. Filed May 18, 1925. Serial No. 31,120. 1 Claim. (Cl. 248—65.)



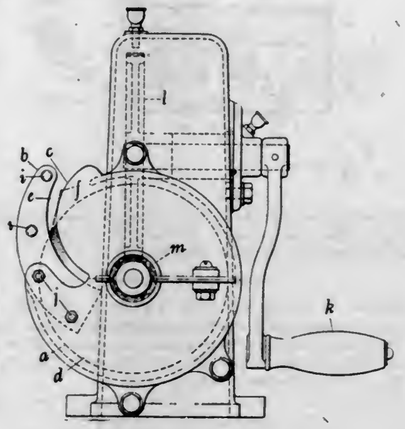
A bottle support comprising an annular base member having at one side substantially vertical uprights and on the other side correspondingly arranged uprights greater in height than those first mentioned, a bar extending from the top of each of the uprights on one side to the respective uprights on the opposite side providing an inclined cradle adapted to hold the bottle, and a stop member intermediate the smaller uprights adapted to retain the bottle in an inclined position in the cradle.

1,633,084. SPINDLE. JOHN J. FLANIGAN, Oak Park, Ill. Original application filed Apr. 6, 1925, Serial No. 20,890. Divided and application filed Nov. 30, 1925, Serial No. 72,088. Divided and this application filed May 17, 1926. Serial No. 109,622. 10 Claims. (Cl. 242—68.)



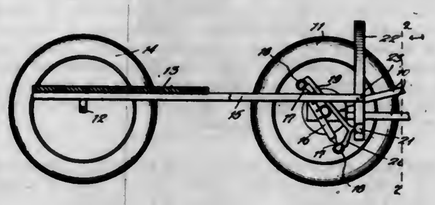
2. A gelatin roll spindle for hectograph machines having a longitudinal bore at one end and a transverse slot intersecting said bore and extending through that end of the spindle, and a transverse slot in the other end of the spindle aligned with said first mentioned slot.

1,633,085. KNIFE-SHARPENING MACHINE. RICHARD FORSHAW, Weaste, near Manchester, England. Filed Dec. 19, 1923, Serial No. 681,664, and in Great Britain July 6, 1923. 1 Claim. (Cl. 51—102.)



In knife sharpening machines, the combination comprising a single grinding wheel, an enclosing casing for said wheel having a gap exposing a portion of the wheel sides and periphery, and a pair of burr removing members detachably fixed to the said casing adjacent the said exposed portion of the wheel and forming in association with the casing a receptacle and guide directing the knife blade into grinding contact with the periphery of the wheel notwithstanding the reducing diameter of the latter due to wear.

1,633,086. MOTOR CYCLE TRAILER ATTACHMENT. WERNER J. FOX, New Orleans, La. Filed June 18, 1926. Serial No. 116,901. 6 Claims. (Cl. 208—45.)

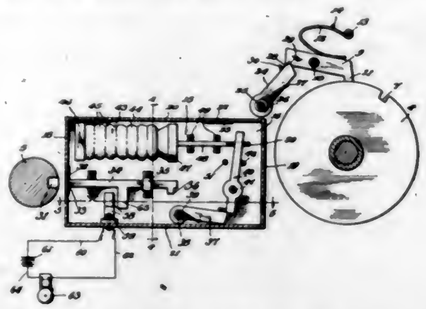


1. In a device of the class described, the combination of inclined posts, outwardly and forwardly directed members having their inner ends pivoted to opposite ends of said posts, ball and socket joints at the outer ends of the members, and a link connecting the ball and socket joints.

1,633,087. LOCK MECHANISM. MCCLELLAN C. FULLENLOVE, Toledo, Ohio, assignor of one-half to Peritz Jacob, Toledo, Ohio. Filed Apr. 22, 1926. Serial No. 103,925. 9 Claims. (Cl. 109—3.)

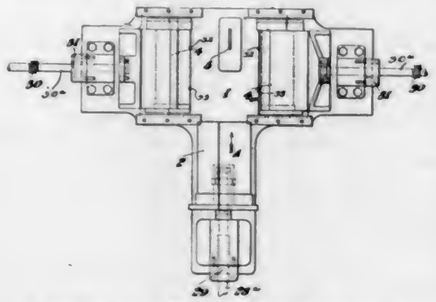
1. In lock mechanism, a vacuum chamber, a fluid-tight expansible and contractible actuating unit within the chamber containing a gaseous fluid and normally expanded through the sustained expansion of the fluid due to the pressure difference between the fluid and the

vacuum, a locking member within the chamber supported for projection through a wall of the chamber to engage a part to be locked, and means interposed between the



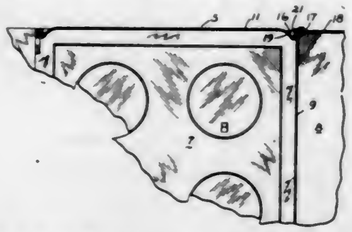
said actuating unit and the locking member operable to actuate the member upon contraction of said unit upon the admission of air into the chamber.

1,633,088. MACHINE FOR CASTING BOXES AND OTHER HOLLOW METAL ARTICLES. JOHN ALFRED FULLILOVE, Market Harborough, England. Filed Aug. 1, 1925, Serial No. 47,503, and in Great Britain Aug. 6, 1924. 6 Claims. (Cl. 22—92.)



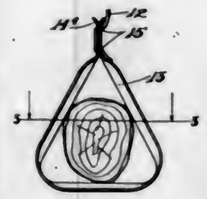
1. A machine for casting boxes and like hollow articles comprising a withdrawable water cooled mould core, separable water cooled mould parts adapted to be closed upon and to position the core automatically, a reservoir for molten metal under releasable pressure, means for injecting the metal into the mould under sudden pressure in the direction of air vents or outlets in the mould, and means for releasing the pressure substantially as specified.

1,633,089. SPLASHER BACK FOR STOVES. FREDERICK A. GERCICH, Oakland, Calif. Filed Aug. 1, 1925. Serial No. 47,409. 7 Claims. (Cl. 126—39.)



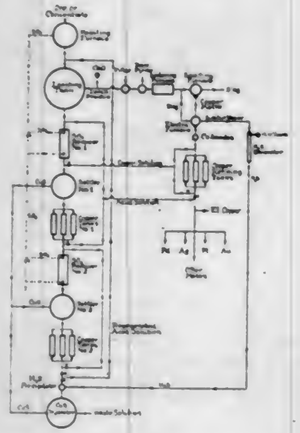
1. In a stove having a cooking top and an oven positioned laterally of and extending above the level of the cooking top, a splash plate arranged to lie at the rear of the cooking top with the major portion thereof substantially coplanar with the oven back and having an intermediate portion arranged to contact with a side of said oven forwardly of said plane and having an end portion adjacent said intermediate portion fixed to said oven.

1,633,090. CLAMPING BAND FOR TREE LIMBS. CHARLES D. GILMAN, Oakland, Calif. Filed July 27, 1926. Serial No. 125,177. 1 Claim. (Cl. 47—42.)



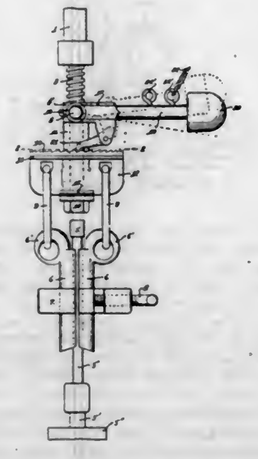
Means for attaching a tie wire to an object to be supported comprising a clamping band triangular in plan and formed with convex side walls, one end of the clamping band being open, opposed lugs at this end of the band, said lugs being formed with spaced apertures in alignment whereby to permit a wire to be passed through one set of aligned openings and returned through another set of alingned openings and thence drawn to clamp said lugs together to close the open end of the band and then bent substantially parallel to said lugs to lock the same together.

1,633,091. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Sept. 7, 1926. Serial No. 134,099. 20 Claims. (Cl. 75—18.)



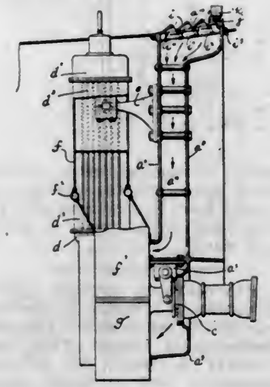
1. A process of treating copper concentrate containing rare or precious metals comprising, roasting the concentrate, leaching the roasted concentrate with a solvent for the copper, than when the desired amount of copper has been extracted from the roasted concentrate by leaching, smelting the residue to concentrate the residual copper and the rare or precious metals into a matte, heating the matte to dissociate copper and sulphur, subjecting the resulting crude copper containing the rare or precious metals to electrolysis to deposit the copper as the electrolytic metal, and recovering the rare or precious metals from the residual slime.

1,633,092. SUCKER-ROD TURNER. ELMER T. GAIBBLE, Coalinga, Calif., assignor of one-half to Robert E. Richard, Coalinga, Calif. Filed Jan. 9, 1926. Serial No. 80,388. 9 Claims. (Cl. 255—14.)



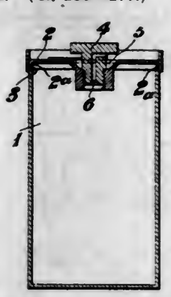
1. A sucker-rod turner comprising a clamp-member adapted for connection with a sucker-rod string; a ratchet-member adapted for rotatable suspension from a walking-beam; members connecting said clamp-member and said ratchet-member for unisonal rotation; a gravity lever; a pawl carried by said lever and arranged to engage and turn said ratchet-member upon the gravity stroke of said lever and to slip the ratchet-member upon the reverse stroke; and means dependent upon the operation of the walking beam for lifting and relieving said lever.

1,633,093. VEHICLE DASH. ERVING R. GURNEY, Beechhurst, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 19, 1924. Serial No. 756,870. 2 Claims. (Cl. 180—93.)



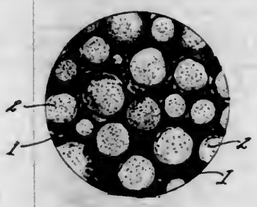
1. In a motor vehicle, the combination with the radiator and fan having a housing, a unitary dash, means mounting the main brace of the radiator thereon, a passage in the dash open to the atmosphere at its upper extremity and leading to the fan housing, and means to control the flow of air in the passage.

1,633,094. ELECTRIC ACCUMULATOR CASING. WALTER HADDON, London, England. Filed Jan. 15, 1926, Serial No. 81,575, and in Great Britain Jan. 19, 1925. 1 Claim. (Cl. 136—177.)



In combination, an accumulator casing proper formed with an interior horizontal ledge, a cover formed with a filling hole adapted to rest on said ledge, and a plug, formed with a vent hole, adapted to fit removably in said filling hole, the upper surface of said cover being below the upper edge of said casing proper, said filling hole at its upper end being expanded so as to provide a sunken annular clearance around said plug and, at its lower end, being adapted to provide a sufficiently inexact fit with said plug to permit of the draining back of acid from said upper surface of said cover, and said vent hole coming out above said upper surface of said cover so that acid can not drain back through said vent hole.

1,633,095. WOOD PRESERVATIVE. RALPH HOWARD HANDY, Berkeley, Calif. Filed Feb. 3, 1925. Serial No. 6,650. 3 Claims. (Cl. 134—78.6.)

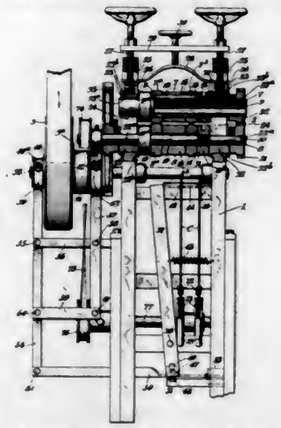


1. A wood preservative consisting of a water-in-oil emulsion wherein a water soluble antiseptic is contained within the water, and cresylic acid contained within the oil to act as an antiseptic to wood destroying fungi.

1,633,096. ROLLING MACHINE. HARRY J. HAON and HARRY BOICE, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 1, 1921. Serial No. 457,642. 6 Claims. (Cl. 154—1.)

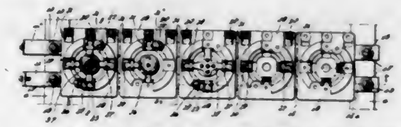
1. In a machine for making folded strips, a pair of matched rollers to receive the folded strip between them and press the fold, each roller having a pressing portion upstanding therefrom to give relief to a fold at each side of the strip, and mated with and opposite the pressing portion of the other roller; each of said rollers comprising a flange of greater radial dimension than the body of the roller at each side of the flange thereof to present

said upstanding pressing portion with relief at each side, and also comprising devices whereby other flanges



of widths different from that of said flange may be substituted for such flange; and means for driving said rollers.

1,633,097. SWITCH MOUNTING FOR ELECTRIC RANGES. GEORGE HEGEMAN HART, West Hartford, Conn. Filed June 11, 1924. Serial No. 719,455. 2 Claims. (Cl. 175—298.)



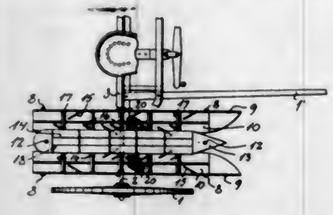
1. In an electric range, bus bars, a plurality of switches mounted on and carried solely by said bars, means for detachably securing said switches on said bars, and means for detachably securing said bars in said range, whereby said bars and switches may be attached to and detached from said range as a unit.

1,633,098. LIGHTNING-ARRESTER SYSTEM. HENRY HEESE, Jersey City, N. J. Filed Jan. 26, 1925. Serial No. 4,876. 2 Claims. (Cl. 173—31.)



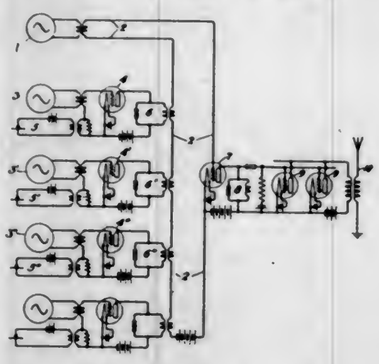
1. In a connection for use in conjunction with a lightning arrester system for chimneys which includes a plurality of lightning rods, a ground wire extending along the outer wall of the chimney, the upper portion thereof encircling the upper portion of the chimney to provide a conductor wire, said connection comprising a pair of upper and lower complementary sections, the upper section being provided with a socket for receiving and supporting the lower end of a lightning rod, the inner opposed faces of said sections having cooperating transversely extending grooves formed therein for receiving the free end of the conductor wire, the inner opposed faces of the complementary sections being further provided with diagonally arranged grooves for receiving the adjacent portion of the ground wire, and means for detachably securing the complementary sections together.

1,633,099. MACHINE ADAPTED TO CATCH AND DESTROY BUGS AND SIMILAR NOXIOUS VERMIN ON PLANTS AND BUSHES. CARL HEILMANN, Skelskor, Denmark. Filed Mar. 26, 1925. Serial No. 18,576, and in Denmark Aug. 5, 1924. 2 Claims. (Cl. 43—133.)



1. In a machine for catching and destroying weevils, beetles, bugs and other vermin on plants and bushes growing in rows, the combination of a pair of supporting wheels, a pair of vertical catching plates arranged between the said wheels parallel thereto, a horizontal collecting gutter arranged along the lower edge of each such plate on its side facing the corresponding plate, and between said pair of plates an adjustably supported, long, horizontal catching body, tapering towards its front end and having on its upper face a collecting gutter adapted to separate and pass between the branches of a plant and having on its two side faces shaking rods, said collecting gutters completely covering the ground included between each pair of plates below the foliage on said plants.

1,633,100. PLURAL CHANNEL SIGNALING. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1916. Serial No. 81,980. 63 Claims. (Cl. 250—9.)

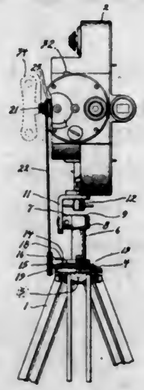


6. The method of signaling which comprises producing two different waves at a transmitting station, modulating one of said waves in accordance with a signal, and modulating the other of said waves in accordance with said modulated wave.

1,633,101. PANORAMING DEVICE FOR PHOTOGRAPHIC CAMERAS. ALBERT S. HOWELL, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 6, 1925. Serial No. 48,544. 8 Claims. (Cl. 88—16.)

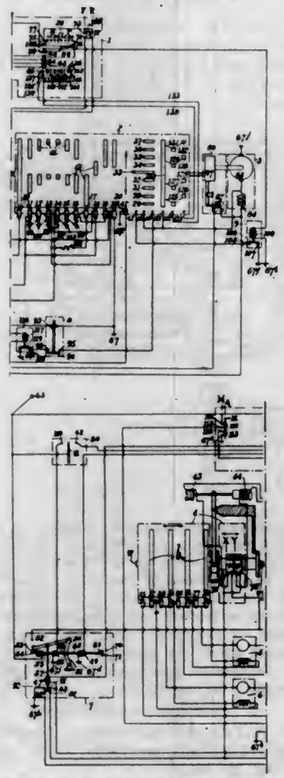
1. The combination with a motion picture camera having a spring motor for operating the same and including a revoluble primary spindle by means of which the spring of the motor is wound up and the camera is operated by the spring of the motor, said spindle having a clutch formation adapted for detachable engagement with a winding key for winding up the motor, of means

for supporting the camera for panoraming movement, and means driven from the motor for automatically



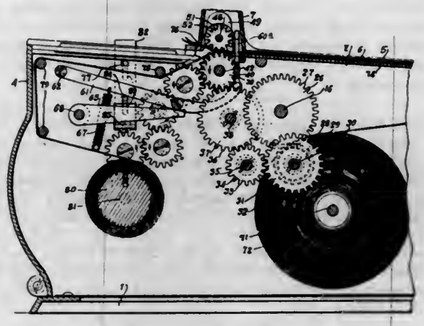
panoraming the camera during operation thereof including a revoluble member detachably engaged with said clutch formation for driving from said spindle.

1,633,102. ELECTRIC MOTOR CONTROL SYSTEM. ALBERT HENRY JACKSON, London, England. Filed Mar. 5, 1926, Serial No. 92,592, and in Great Britain Aug. 18, 1925. 14 Claims. (Cl. 172—179.)



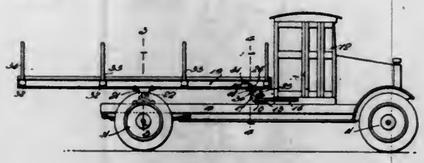
1. In combination with a system of electric motor control in which a pilot-motor-driven switch mechanism is remotely operated from a master controller and "automatic acceleration" of the main motors is obtained by the employment of a maximum current relay, an additional relay and controlling means for said additional relay, said controlling means including two additional train lines and contacts therefor and being operable by said master controller, the arrangement being such that when said additional relay is brought into operation the maximum current relay is rendered inoperative.

1,633,103. AUTOGRAPHIC REGISTER. PHILIP A. JACKSON, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed July 6, 1925. Serial No. 41,470. 11 Claims. (Cl. 282—21.)



1. In an autographic register containing a plurality of superimposed sheets having spaced perforations, an actuating means, a paper ejecting means adapted to grip the paper to hold it steady and to eject it, paper aligning means adapted to ride on the paper and to drop into spaced openings in the paper, means connected to the paper aligning means to render inoperative the ejecting and holding means when the aligning means enters the perforations in the paper and means connected to the aligning means and the ejecting means to operate them synchronously from the common actuating means.

1,633,104. DUMP TRUCK. MELVIN JOHNSON, Danville, Ill. Filed Aug. 16, 1926. Serial No. 129,527. 2 Claims. (Cl. 298—38.)



1. In a dump truck, a chassis frame including longitudinal side bars; a transverse bar secured upon said side bars, horizontally alined bearings secured to a side of said transverse bar toward one end of the truck, a transverse shaft rockably mounted in said bearings and provided with upstanding arms having hooks at their ends facing one end of the truck, a body-supporting frame above the chassis frame and hinged to the latter for dumping, said body-supporting frame including longitudinal side bars and a transverse bar under and secured to the same, the last named transverse bar resting on the first named transverse bar; U-shaped yokes rigidly secured to the side bars of the body supporting frame and having their transverse portions spaced below the same to underlie the aforesaid hooks, and a handle secured to and projecting from one end of said shaft for turning the latter to release the hooks.

1,633,105. CONTAINER FOR POWDERED SUBSTANCES. ALONZO H. KARWATH, Davenport, Iowa. Filed Nov. 16, 1925. Serial No. 69,456. 2 Claims. (Cl. 221—64.)

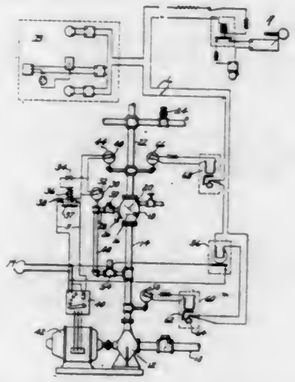


1. A powder container comprising a body having a perforated cap secured thereto, a depression formed in the outer face of the fixed cap, a hairpin-shaped spring seated in the depression with ends projecting slightly outwardly therefrom, a movable cap revolvably mounted upon the fixed cap and having corresponding perforations, and also having a segment of its side wall extended outwardly and forming shoulders adjacent the projecting ends of the spring.

1,633,106. PAINT-IMPROVING COMPOSITION AND SIZE. CHARLES B. KELLY, Seattle, Wash. Filed May 24, 1926. Serial No. 111,378. 2 Claims. (Cl. 134—46.)

1. A paint improving and waterproofing composition prepared by intimately mixing water, linseed oil, an alkali and starch, the starch and linseed oil being present in about equal quantities by weight, the alkali being present in a small amount as compared with the starch or linseed oil, and the water being present in sufficient quantity to give the composition at least a paste like consistency.

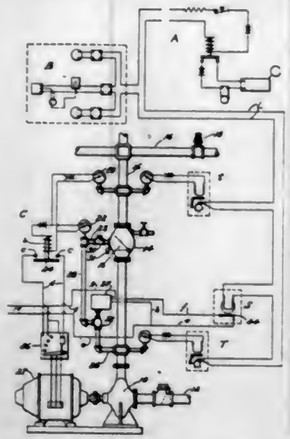
1,633,107. TESTING DEVICE FOR BOOSTER-PUMP DRY-PIPE SYSTEMS. IRA W. KNIGHT, Cranston, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed Mar. 28, 1925. Serial No. 19,184. 7 Claims. (Cl. 103—25.)



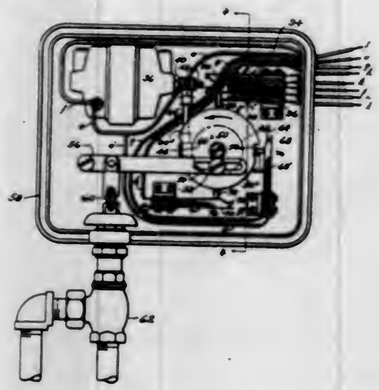
1. Supervisory testing apparatus for a system having a booster pump comprising, in combination with the system, a device adapted to respond to rise of pressure to start the pump, and means operable independently of the operation of the system for admitting pressure to said device.

1,633,108. VALVE APPARATUS. IRA W. KNIGHT, Cranston, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed June 8, 1925. Serial No. 35,837. 7 Claims. (Cl. 103—25.)

1. Valve apparatus comprising a valve seating in the direction of its axis; a rotating element adapted in a single rotation to effect a complete cycle of operations of the valve; means connecting the valve and the said element for converting rotary motion of said element to motion of translation of said valve; power means for rotating said element; means for energizing said power means; and means controlled by said element for de-energizing the power means at the end of a complete rotation of said element.



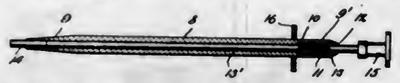
1,633,109. VALVE APPARATUS. IRA W. KNIGHT, Cranston, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed June 15, 1925. Serial No. 37,336. 10 Claims. (Cl. 103—25.)



1. Valve apparatus comprising a valve; a movable element having operating connection with the valve and adapted in a single complete movement to effect a complete cycle, of operations of the valve; means for setting the element in motion through a predetermined portion of its complete movement to a stopping position with partial operation of the valve; and other means whereby a predetermined result of said partial operation of the valve puts the element in motion from said stopping position to complete its movement.

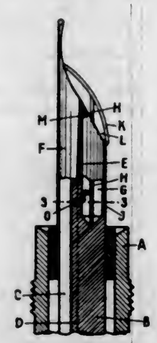
1,633,110. VALVE-PIN REPLACER. JOHN F. KOONS, Alexis, Ill. Filed Apr. 30, 1925. Serial No. 27,050. 1 Claim. (Cl. 29—86.1.)

A pin setter including an elongated body portion having a bore extending centrally therethrough and disposed longitudinally thereof, said bore having an enlarged end portion defining shoulders, a rod disposed within the bore, a coiled spring on the rod and positioned within the enlarged portion of the bore, said coiled spring being connected with the rod, one end of the body portion being turned in to engage the rod and provide a stop for one end of the spring, said spring adapted to exert a pressure



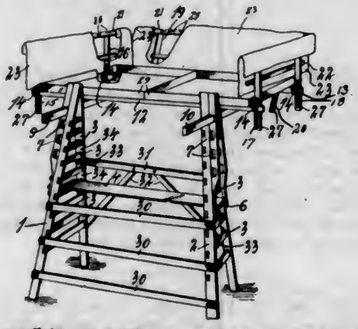
on the rod to normally hold the rod so that one end thereof will lie within the bore and in spaced relation with the end of the body portion, a finger piece on one end of the rod, a washer on the body portion and in spaced relation with the finger piece, and said body portion adapted to accommodate a valve pin to be positioned.

1,633,111. RESERVOIR PEN. THEODOR KOVÁCS, Berlin, Germany. Filed July 9, 1926, Serial No. 121,458, and in Germany July 11, 1925. 10 Claims. (Cl. 120—50.)



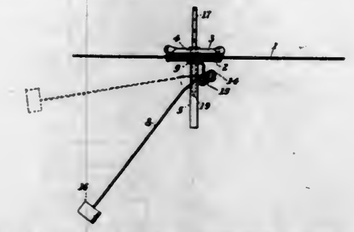
1. A reservoir pen comprising a holder, a feed-bar adapted to project therefrom, a nib adapted to bear against one side of the outer end portion of the feed-bar, an air channel extending along the nib side of the feed-bar and having capillary ink grooves along the bottom of said channel, side chambers in said feed-bar to receive overflow ink, and an overflow chamber in that part of the projecting portion of the feed-bar away from the nib, said overflow chamber being adapted at its outer end to receive overflow ink and having an air inlet at its inner end.

1,633,112. SCAFFOLD. NIELS KULBECK, Oslo, Norway. Filed Dec. 3, 1925, Serial No. 72,994, and in Norway Dec. 11, 1924. 2 Claims. (Cl. 304—5.)



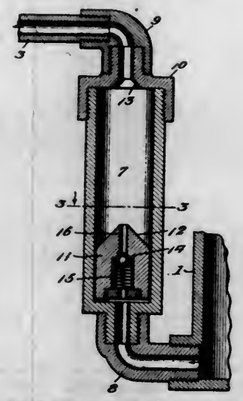
1. A scaffold comprising a pair of standards, a plurality of parallel laterally projecting arms supported by said standards adjacent the upper ends thereof, a frame secured to the outer ends of said arms, a plurality of cross members supported by said arms, a frame secured to each end of said members, and a flexible member supported by said frames, said flexible member forming a protective shield surrounding three sides of said scaffold.

1,633,113. LIQUID-LEVEL INDICATOR. CLYDE A. LAKE, Detroit, Mich. Filed Aug. 11, 1926. Serial No. 128,563. 3 Claims. (Cl. 73—82.)



1. A liquid level indicator comprising a plug having a passage therethrough, a tubular member extending through said passage and supported by said plug, said member having vertical slots therein from its lower end, an angle bracket secured around said member under said plug, bearings integral with said angle bracket, a lever arm extending through said vertical slots, an eye on one end of said lever arm, said eye being pivotally attached to said bearings, a float on the other end of said lever arm, and a calibrated pointer adapted to move vertically in said tubular member and resting on said lever arm.

1,633,114. SAFETY CHECK DEVICE. CLYDE E. LOOSE, Baltimore, Md. Filed May 11, 1923. Serial No. 638,377. 5 Claims. (Cl. 188—152.)

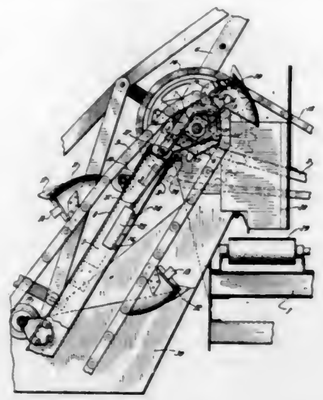


4. A device of the character described including a main source of fluid supply, check-cylinders in communication therewith, a piston in each check cylinder, having a valve-controlled orifice therein, fluid pressure brake mechanism, pipes extending from the main source of fluid supply to the brake mechanisms, the cubical area of each check cylinder being in excess of the cubical area of the brake mechanism to which it is connected.

1,633,115. TRENCHING MACHINE. TRULS LOKEN, Kenosha, Wis., assignor to Austin Machinery Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 11, 1924. Serial No. 691,957. 5 Claims. (Cl. 198—144.)

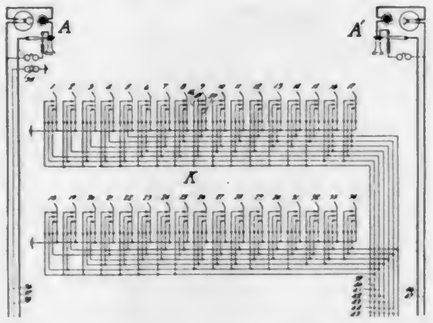
2. In a trenching machine the combination of, an endless conveyor, a plurality of buckets carried by said end-

less conveyor, and a bucket cleaner, said cleaner being arranged to pass through the buckets of the conveyor during operation and to remove material therefrom by



impact therewith and being provided with means for delivering an impact in proportion to the speed of the buckets.

1,633,116. TELEPHONE SYSTEM. CLARENCE E. LOMAX, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 16, 1923. Serial No. 619,377. Renewed Nov. 26, 1926. 35 Claims. (Cl. 179—18.)



1. In a telephone system, a subscriber's line extending from a substation to the exchange and having two branches, switching arrangements for extending one of said branches to any desired line in the exchange, a switching device in which the other branch terminates, circuit connections by means of which a limited number of said lines are made accessible to said switching device, and means by which the subscriber on said first mentioned line controls said switching device.

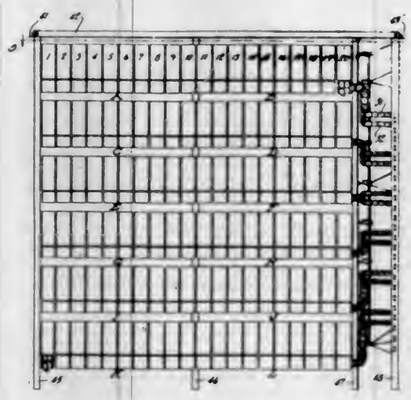
1,633,117. METHOD OF AND APPARATUS FOR PRODUCING BIFOCAL LENSES. MICHAEL R. MCDANAL, Denver, Colo. Filed June 21, 1921. Serial No. 479,295. 9 Claims. (Cl. 49—82.1.)

1. The method of manufacturing lenses from lens blanks having one finished surface consisting of bringing the lens blank to a sufficiently molten condition to permit of the bending thereof, exerting, on the unfinished surface of the blank, pressure at the area desired to be bent and exerting counter-pressure on the finished surface of the blank, such counter-pressure being limited to points constituting a relatively thin line on the finished surface not within the confines of the field to be formed in the lens.



2. A device of the class described including a support for a lens blank having a relatively thin lens supporting edge defining a cavity therein and molding means for engaging the upper face of the lens blank when the blank is in a semi-molten condition whereby the lens may be depressed within the cavity of the supporting member.

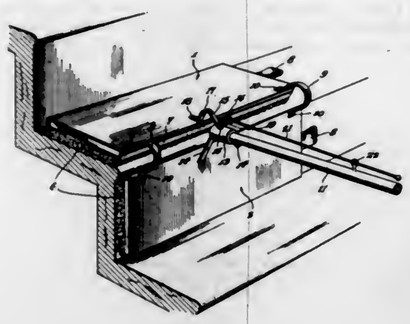
1,633,118. BANK AND TRUNK CABLE MULTIPLING SYSTEM. HARLEY B. MCELYEA, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 18, 1922. Serial No. 607,485. Renewed Dec. 4, 1926. 25 Claims. (Cl. 179—98.)



1. A distributing frame comprising substantially parallel rows of terminal strips, terminals mounted in said strips and protruding outward therefrom on the front and rear thereof, certain of said terminals being multipled together throughout a plurality of said strips by conductors which extend along the front of said frame, other terminals mounted on said frame, outgoing conductors secured to said other terminals, and jumpers connected between the rear of said multiply connected terminals to certain ones of said other terminals.

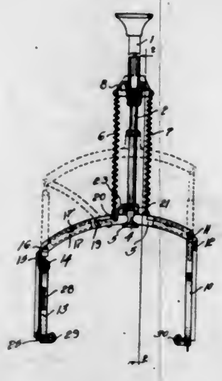
1,633,119. STAIR CLEANER. LURLINE E. MACKAY, Burlington, Iowa. Filed Apr. 7, 1926. Serial No. 100,400. 9 Claims. (Cl. 15—210.)

1. A cleaner of the character described comprising companion cleaners each including a back and cleaning means carried thereby, resilient means connecting said cleaners and normally holding the cleaners with their cleaning means in facing relation to each other, and means se-



cured to the back of one cleaner and pivotally connected with the back of the other cleaner and adapted to move said cleaners into diverging relation to each other for operative engagement with surfaces to be cleaned.

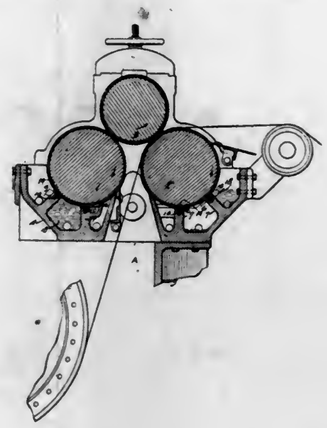
1,633,120. ADJUSTABLE MIRROR. WILLIAM E. MILLER, Mullan, Idaho, assignor to Miller Beauty Mirror Company, a Corporation of Idaho. Filed Jan. 27, 1925. Serial No. 5,006. 1 Claim. (Cl. 45—99.)



The combination with a stem of a swiveled cross head comprising arms and a mirror pivoted on one arm, a slidable, telescopic extension on the other arm and retaining means therefor, a pivotal joint in the last mentioned arm between the telescopic extension and cross head, a link pivoted at the free end of the extension, and a mirror pivoted on the link.

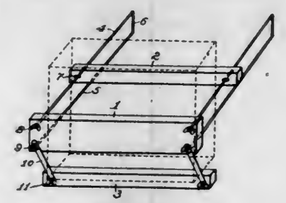
1,633,121. VACUUM SEAL AND APPARATUS. OGDEN MINTON, Greenwich, Conn. Filed Mar. 26, 1926. Serial No. 97,592. 9 Claims. (Cl. 34—48.)

1. A packing or wiper comprising a contact member, the upper surface of which is provided with a depression bounded on the sides by flat portions for contact with the face of a rotating member, and on the ends with other flat portions for contact with the roof of a slot in the frame, the under surface of said contact member



being provided with a semi-circular opening to receive a tube, and fluid means to press said contact member into contact with the rotating member.

1,633,122. ADJUSTABLE MARKING GUIDE. CARL H. MOLINE, Waterloo, Iowa. Filed Aug. 21, 1926. Serial No. 130,729. 3 Claims. (Cl. 33—174.)



1. A device of the character described, comprising a pair of opposed bars with like edges in the same plane, looped rods with parallel members in different planes, spaced apart and terminally secured to the end parts of one bar, the other bar being loosely slidably mounted upon said rods to be adjustably moved to and from the first-mentioned bar.

1,633,123. PRODUCTION OF BENZIDINE AND DERIVATIVES. RALPH A. NELSON, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed June 22, 1920. Serial No. 390,887. 17 Claims. (Cl. 260—130.5.)

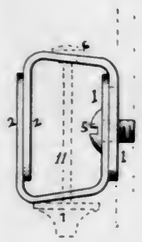
1. The method of producing compounds of the benzidine series from hydrazo compounds, which comprises subjecting a solution of the hydrazo compound in an organic solvent immiscible with water to the action of strong hydrochloric acid of appropriate strength and amount to effect the formation and separation of the benzidine compound in an aqueous paste containing the hydrochloride in a solid form, and separating the solvent.

1,633,124. EXERCISING APPARATUS. ROY H. NOE, Memphis, Tenn. Filed Oct. 28, 1925. Serial No. 65,402. 5 Claims. (Cl. 272—79.)



1. An exerciser of the character described comprising a pair of hand grip members, an elastic strip adapted to be stretched longitudinally and pairs of adjustably connected substantially flat cooperating jaws for connecting the ends of said strip with said hand grip members.

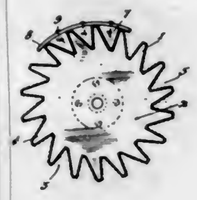
1,633,125. SHUTTER-RELEASE HOLDER. LARRANCE PAGE, Berkeley, Calif. Filed Sept. 14, 1925. Serial No. 56,356. 3 Claims. (Cl. 24—243.)



1. A shutter release holder consisting of two U-shaped members, each of said members having a short slot in one arm and a long slot in the other arm, the said long slots extending part way across the bottoms of said U-members, the open ends of said members telescoping into each other so that the long and short slots of one member register respectively with the long and short slots of the other members, and a clamp screw passing through the two short slots.

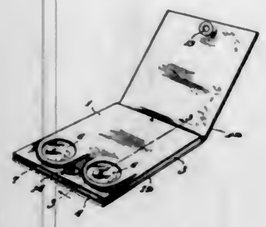
1,633,126. ROTARY SIEVE. ALBERT J. PAYNTER, Osborne, Kans. Filed Mar. 17, 1926. Serial No. 95,365. 1 Claim. (Cl. 209—406.)

A rotary sieve comprising a cylindrical body of foraminous material, circular heads in the ends of said body, said heads being formed with centrally disposed alined shaft receiving openings and having their peripheral portions formed with radially disposed recesses having marginal faces diverging towards the open outer ends of the recesses, one marginal face of each recess extending along a radius of the head and the other marginal face thereof extending semi-tangentially of the head, said body being crimped longitudinally to form inwardly ta-



pered pockets conforming transversely to the contour of the recess having their end portions seated in the recesses of said heads in close contacting engagement with the marginal faces thereof, filler blocks fitting snugly in the ends of said pockets and forming closures for the ends of the pockets and completing members for the circular heads, bands extending circumferentially about said heads in overlying relation to said blocks, and fasteners securing said band to said blocks.

1,633,127. COIN HOLDER. VINCENT PEPE, Brooklyn, N. Y. Filed June 9, 1926. Serial No. 114,819. 3 Claims. (Cl. 133—6.)



3. A coin holder of flat form having a coin way to receive a row of coins in flat position, said coin way having an exit and a finger opening in a side adjacent the exit, and having a marginal portion pressed outwardly from the finger opening at the side adjacent the exit and vanishing at the side remote from the exit and a flat spring within the coin way terminating opposite the finger opening and having the end portion deflected laterally to press an edge portion of the coin into engagement with the inner shoulder formed by the outwardly pressed portion of the side of the holder in which the finger opening is formed.

1,633,128. POWER-DRIVEN BRUSH. JOHN W. RICHMAN, Gilroy, Calif. Filed Dec. 27, 1923. Serial No. 682,932. 1 Claim. (Cl. 15—23.)

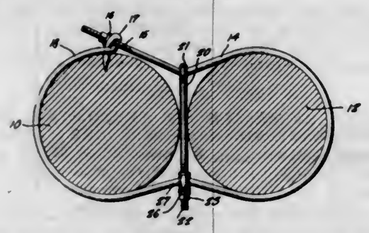
A power driven brush comprising a handle, a flange on the outer portion of said handle, an electric motor, a casing therefor, a flange on each end of said casing, one

of said flanges of the casing being adapted to abut against the flange on the handle, a tube, a flange thereon,



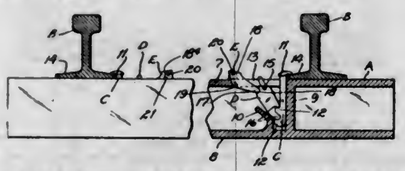
other flange of the casing, a shaft extending thru said tube and operatively connected to said motor and a cleaner operatively connected with said shaft.

1,633,129. POLE CLAMP. JOHN PEMBERTON SNAPP, Limestone, Tenn. Filed May 7, 1926. Serial No. 107,481. 5 Claims. (Cl. 24—68.)



1. A device of the class described, comprising a loop member, one end of said member being threaded and the opposite end being formed with an eye, the threaded end passing thru the eye, a spike formed on the end carrying the eye member, and a nut adapted to engage the threaded end adjacent to the eye portion.

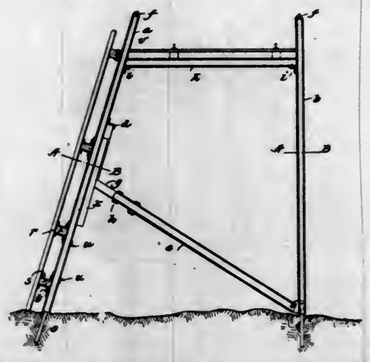
1,633,130. RAILWAY-TIE MECHANISM. ALBERT V. RUDD, East St. Louis, Ill. Filed Jan. 14, 1926. Serial No. 81,148. 1 Claim. (Cl. 238—375.)



In a railway tie mechanism, in combination with a tie, a spike having locking projections; a lock arranged to engage said projections; and a wedge arranged to hold said lock in engagement with said spike.

1,633,131. KNOCKDOWN COFFERDAM. KARL SCHOEN, Wuerzburg, Germany. Filed Apr. 24, 1926, Serial No. 104,359½, and in Germany Sept. 9, 1924. 5 Claims. (Cl. 61—34.)

1. In a cofferdam structure, a frame comprising a plurality of spaced supporting posts provided with openings extending through their entire length, and means mounted in said openings for fixedly anchoring said posts, said means comprising a pipe section having its lower end slit

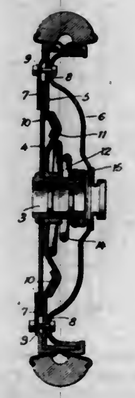


and a wedging member extending through said pipe section adapted to expand the slit end of said pipe section as the said member is moved relative to the said section.

1,633,132. PROCESS FOR PREPARING A MATERIAL FOR THE MANUFACTURE OF ARTIFICIAL STONE AND OTHER STONE OR ROCK PRODUCTS. ROBERT SCHOENHOEFER, Brunswick, Germany. Filed Apr. 28, 1924, Serial No. 709,650, and in Germany Sept. 30, 1920. 2 Claims. (Cl. 106—24.)

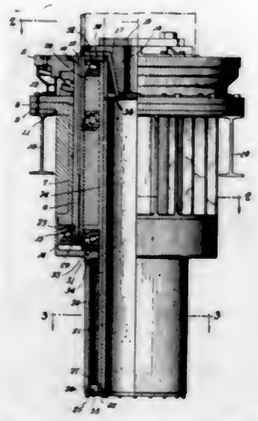
1. A process for preparing a self-setting and self-hardening material for the manufacture of artificial stone in the absence of cement or other binding mediums, comprising the admixture of the residual ash of a solid combustible substance and slag with a relatively small amount of water, kneading, rolling and stamping the mixture while in a moist condition until lumps are formed, and exposing the mixture to steam at a pressure substantially greater than atmospheric pressure for the purpose of hardening said mixture.

1,633,133. COMBINED RESILIENT TRANSMISSION AND BEARING. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Dec. 13, 1924. Serial No. 755,736. 5 Claims. (Cl. 152—44.)



1. In a combined resilient transmission and bearing for vehicle wheels, the combination of a hub portion, a wheel rim mounted to have limited relative movement thereon, and elliptically shaped cone elements arranged co-operable therewith.

1,633,134. WELL DRILLING. WALDO SHELDON, Greenwich, Conn. Filed May 9, 1924. Serial No. 711,982. 24 Claims. (Cl. 255—22.)



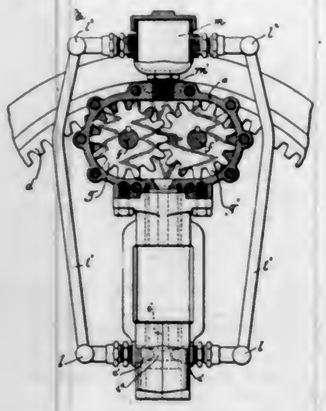
1. In well drilling apparatus, a rotary table having a dependent sleeve extension, an elongated tubular bearing for said sleeve, an annular cylinder supported by said bearing in stationary relation below the rotary table and an annular piston operating in said cylinder having an annular piston rod projecting upwardly within the dependent sleeve extension of the rotary table and a sleeve shiftably engaged by said annular piston rod, said engaged sleeve being slidably keyed in the table sleeve and provided with means of connection with a drill stem.

1,633,135. PENCIL CLIP AND ERASER HOLDER COMBINED. GEORGE TILLMAN SHELEY, Indianapolis, Ind. Filed Dec. 3, 1924. Serial No. 753,669. 8 Claims. (Cl. 120—38.)



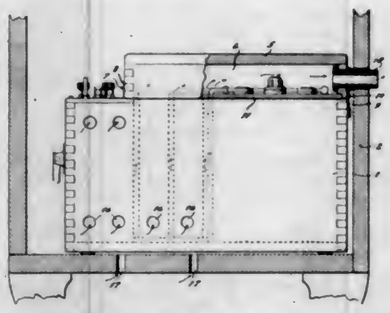
1. A device comprising a hollow member, one end of which has a spring tension for gripping the normally upper end of a conventional lead pencil when the pencil is entered therein, the other end of said member being tubular; an eraser holder adapted to snugly fit said tubular end, said eraser holder having outwardly sprung portions adapted to be forced inwardly in engagement with an eraser means contained in said holder when the holder is entered into said hollow member, said holder having an opening in its normally lower end, thru which added pieces of eraser material are inserted as the normally upper eraser portion is worn off.

1,633,136. BRAKE. HENRY B. SHIELDS, Freeport, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 28, 1924. Serial No. 752,501. 6 Claims. (Cl. 188—92.)



1. The combination with a wheel, of a fluid pump, means to actuate the pump from the wheel, a continuous circuit for the fluid including cooling means therefor, and means to control the flow of fluid in the circuit.

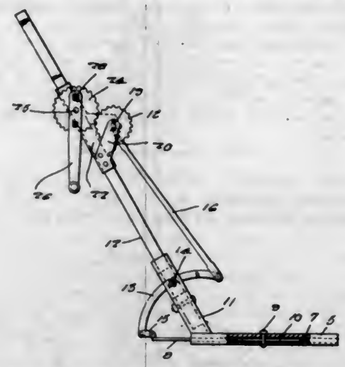
1,633,137. APPARATUS FOR VENTILATING RECTIFIERS, BATTERIES, AND THE LIKE. ALMOND H. SNYDER, Lancaster, N. Y., assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y., a Corporation of New York. Filed July 17, 1924. Serial No. 726,582. 5 Claims. (Cl. 136—180.)



1. In combination, a plurality of electrolytic cells, a container therefor having air inlets, a cover for said container providing space above said cells, an outlet in said cover extending beyond said cover wall and heat transmitting means adjacent a portion of said cells adapted to cause a circulation of air from within said container to a point removed from said cover.

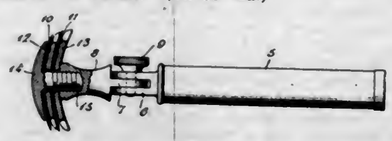
1,633,138. GRASS CUTTER. ROBERT E. LEE SPARKS, Pemberton, W. Va. Filed May 13, 1926. Serial No. 108,889. 3 Claims. (Cl. 30—11.)

1. A device of the class described including, in combination, a cutting mechanism, a tubular extension inclining upwardly and to one side of the cutting mechanism, a shank operatively associated with the cutting mechanism, a link on the shank, a lever pivotally mounted on the tubular extension, a handle bar extending from the tubular extension, and telescopically associated therewith, a pitman pivotally engaged with the other end of the



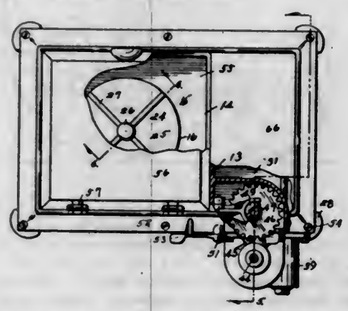
lever, a bracket on the handle bar adjacent the upper end thereof, a pair of arms projecting from the bracket, a shaft journaled in the arms, a gear on said shaft, a crank extending from said shaft, and operatively engaged with the pitman, and means for operating the gear.

1,633,139. SAFETY RAZOR. RUDOLPH C. G. STAATSOELS, Brooklyn, N. Y. Filed July 31, 1926. Serial No. 126,152. 2 Claims. (Cl. 30—12.)



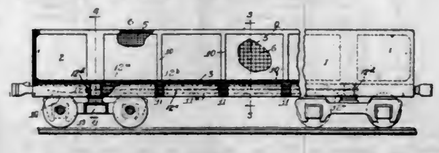
1. A razor including a guard, and a clamping plate cooperating with said guard to clamp a blade therebetween, said guard and plate having opposed transversely curved faces with the curvature of said faces being gradually increased from adjacent ends thereof toward their opposite ends and being adapted to correspondingly flex said blade.

1,633,140. WASHING MACHINE. BERT A. STOCKING, Audubon, Iowa, assignor to F. R. Steelsmith, trustee, Des Moines, Iowa. Filed July 20, 1925. Serial No. 44,805. 6 Claims. (Cl. 259—101.)



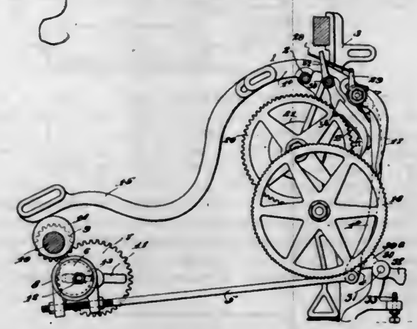
1. In a washing machine, a tub having side and end members, a bottom member, said bottom member being provided with a central recess, an upright stub shaft in said recess, a sleeve rotatively mounted on the upper end of said shaft, a dolly mounted in said recess, means for detachably connecting said dolly with said sleeve, and means for imparting oscillatory movement to said sleeve.

1,633,141. CONCRETE VEHICLE BODY. JOSEPH B. STRAUSS, Chicago, Ill., assignor of one-half to Charles Weinfeld, Chicago, Ill. Filed Apr. 20, 1918. Serial No. 229,711. 30 Claims. (Cl. 105—405.)



1. A concrete car body comprising a reinforced concrete floor, longitudinal and transverse concrete beams integral with said floor, metal members at the ends of the car for transmitting the draw bar pull into the floor and walls thereof and connecting parts on said members for connecting the car body to the trucks the whole forming a unitary self-sustaining structure from truck to truck.

1,633,142. TAKE-UP MOTION FOR LOOMS. EVARISTE E. TALBOT, Fall River, Mass. Filed May 27, 1924. Serial No. 716,117. 3 Claims. (Cl. 139—313.)

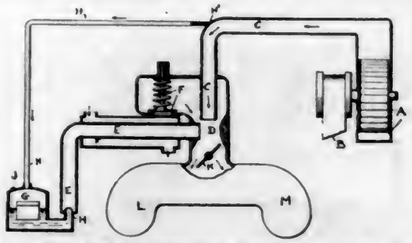


1. A take-up motion having a sand-roll; a train of gears comprising a sand-roll gear, a change-pinion gear, and a change-ratchet gear; a ratchet pawl; a source of power, acting at one speed; a source of power acting at a different speed; means for connecting and disconnecting said ratchet pawl from one source of power; and means for connecting and disconnecting said ratchet pawl with said other source of power, for operating said sand-roll at any one of said different resulting speeds; and detent and let-back mechanism; the chain of gears and sand-roll reversing their rotation, during the release of the detent and let-back mechanism from the change-ratchet gear, by the tension of the warp threads of cloth being woven and engaging the sand-roll.

1,633,143. SUPERCHARGER FOR INTERNAL-COMBUSTION ENGINES. STANLEY M. UDALE, Detroit, Mich. Filed Aug. 1, 1925. Serial No. 47,455. 2 Claims. (Cl. 123—119.)

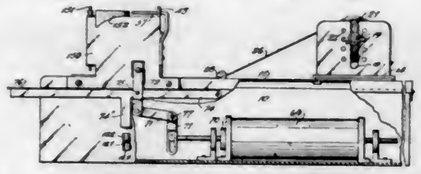
1. In combination with an internal combustion engine, a mixing chamber having an air entrance and a Venturi tube, a mixture outlet, a throttle valve therein, a constant level fuel supply chamber discharging into said Venturi tube and connected to a fuel nozzle, an additional air supply passage discharging into the throat of the Venturi tube and communicating with an engine

operated supercharger, a communication between said chamber and said supercharger, whereby as the throttle is opened and the engine speed increases an increased fuel



and air supply is automatically available, and the mean effective pressure of the engine is maintained at high engine speeds.

1,633,144. GUMMED-TAPE-SERVING MACHINE. WILLIAM A. UTTZ, Sr., Fort Worth, Tex., assignor, by mesne assignments, to Perfection Package Sealer Company, a Corporation of Texas. Filed Mar. 2, 1927. Serial No. 172,188. 27 Claims. (Cl. 211—33.)



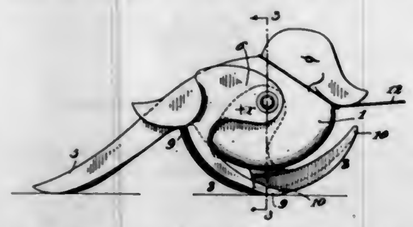
5. In a machine for dispensing lengths of tape, a base over which the tape is moved, a cutter frame swingingly mounted on the base, a severing blade carried by the cutter frame, a tab cutter carried by the cutter frame and arranged to cut a tab in the unsevered portion of the tape simultaneously with the severing of a portion of said tape, a tab bend' g device operable by the movement of the cutter frame and arranged to force the cut tab upwardly from the base, the bending device being further arranged to double the tab upon itself, and means to support the tab against downward movement during the cutting operation.

1,633,145. GAUGE. JOHN WAHL, Rosedale, and OTTO MELZER, Hollis, N. Y., assignors to A. Schrader's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Original application filed July 5, 1924, Serial No. 724,359. Divided and this application filed May 29, 1926. Serial No. 112,489. 3 Claims. (Cl. 73—111.)



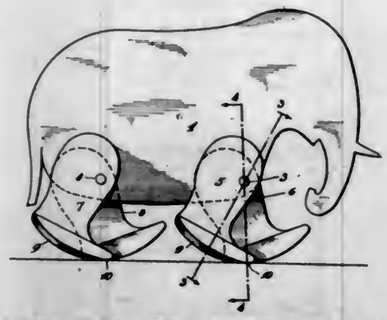
1. A pressure gauge comprising a pair of telescoping members, one of which has means at its bottom for engagement with a tire valve or the like and pressure-responsive means within said member for moving the second member outwardly with respect to the top of the first, the exterior of one of said members having a calibrated scale thereon adapted to co-operate with one edge of the other member to indicate pressure, and adjustable means extending through the top of the second telescoping member and operable from the exterior of said member after the gauge parts have been assembled for adjusting the normal position of the top of the movable member with respect to the top of the pressure-responsive means to insure proper registering of pressures.

1,633,146. WADDLE WALKING TOY. ARTHUR L. WHITESIDE, Bayshore, N. Y. Filed Nov. 11, 1922. Serial No. 600,282. 2 Claims. (Cl. 46—40.)



1. A toy figure comprising a body portion and relatively short supporting limbs, pivotally connected at opposite sides thereof, said limbs being characterized by each having the greater mass of its upper portion so located as to cause it to hang pendent with its heel adjacent to a supporting surface, said limbs having parallel tread portions, disposed near the central, longitudinal, vertical plane through the figure, whose base surfaces have, respectively, the contours of cone surfaces in concentric relation with the limb pivots, with major inner arcs, and each having a cylindrical surface at the extreme forward edge, the radius thereof corresponding to the radius of said major arc and a transition area intermediate said conical and cylindrical surfaces adapted to interrupt the smooth rolling action of the tread at the end of its travel.

1,633,147. WALKING TOY. ARTHUR L. WHITESIDE, Bayshore, N. Y. Filed Oct. 23, 1923. Serial No. 670,251. 2 Claims. (Cl. 46—40.)



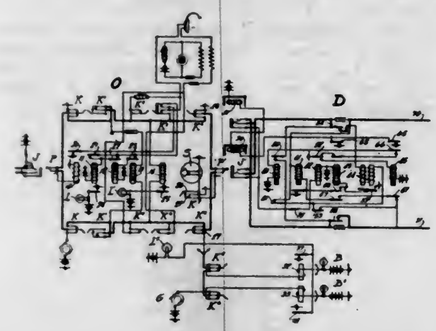
1. A four-footed toy figure, comprising a body portion having two pairs of limbs pivotally connected at opposite sides thereof, the limbs on the same side having parallel tread portions, disposed near the central, longitudinal, vertical plane through the figure, whose base surfaces are respectively conoidal in concentric relation with their pivots, with major inner arcs, from their heels to near their toes, and are transversely cylindrical in concentric relation with their pivots at their toes.

1,633,148. SPOTLIGHT. CAMERON A. WHITSETT, Chicago, Ill. Filed Dec. 26, 1922. Serial No. 608,906. 7 Claims. (Cl. 240—61.)



1. In an inside-control spot light, the combination of an operating shaft adapted to extend from the inside to the outside of the car body, a housing over the outer end of said shaft, an operating handle on the inner end of said shaft, said shaft having rotational and rectilinear motions, a bevel gear on said shaft within said housing, a second bevel gear driven by said first bevel gear, a bracket rotated by said second bevel gear, a spot light pivotally mounted on said bracket, a reciprocable stem, means for operatively connecting said stem with said spot light for inclining said light, and means for transmitting motion from said shaft to said stem comprising an arm pivoted within said housing and operatively connected with said shaft and said stem.

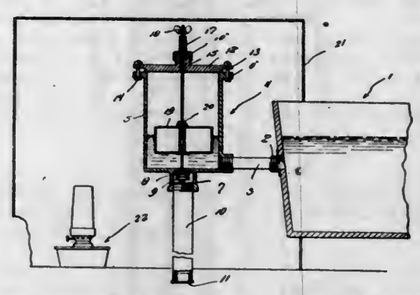
1,633,149. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed July 6, 1921, Serial No. 482,765. Renewed Dec. 24, 1926. 21 Claims. (Cl. 179—6.3.)



1. In a telephone system, a toll board and a local exchange, two conductor trunk lines extending from said toll board to said exchange, cord circuits at the toll board and automatic switches at the exchange whereby toll lines and subscribers' lines may be connected over said trunk lines, paystation equipment at the stations on the subscribers' lines, a source of direct current in said cord circuits, and means whereby the toll operator can connect one or the other pole of said current in circuit with the called subscriber's paystation equipment to cause the same to collect or refund deposited coins over said trunk lines.

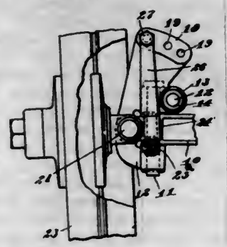
1,633,150. WATERING TROUGH. HENRY WIEBEN, Reinbeck, Iowa. Filed Oct. 7, 1925. Serial No. 61,044. 1 Claim. (Cl. 119—73.)

In a structure of the class described, in combination, a water trough, a float controlled water supply device connected with one end of the trough, a housing enclosing said water supply device, said housing being provided in one end with an opening through which an adjacent end portion of the trough extends, said housing being



slidably connected with the trough in order that it may be slid over the trough to regulate the available water space.

1,633,151. LEANING WHEEL. ROY J. WINSOR, Bucyrus, Ohio. Filed Jan. 2, 1926. Serial No. 78,805. 2 Claims. (Cl. 280—93.)

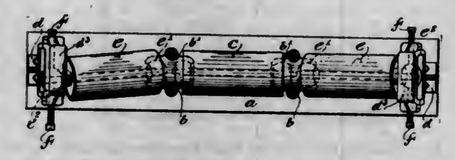


1. An improved leaning wheel device, comprising an axle, a steering knuckle rotatably mounted thereon, a wheel spindle mounted on said knuckle, means for adjusting the wheel spindle relative to the steering knuckle, and means for maintaining the wheel spindle rigidly in its adjusted position.

1,633,152. PROCESS OF FINISHING FABRICS AND TO THE FABRIC AND COMPOSITION. WILLIAM WITTE, Providence, R. I., assignor to The United States Finishing Company, New York, N. Y., a Corporation of Connecticut. Filed June 29, 1926. Serial No. 119,472. 7 Claims. (Cl. 41—41.)

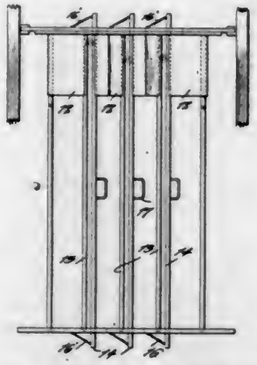
1. The process of treating viscose fibres to remove lustre which comprises treating the alkalized fibre with para-toluene-sulphochloride.

1,633,153. BELT CONVEYER. CHARLES S. WRAY, Atlantic Highlands, N. J. Filed Aug. 10, 1925. Serial No. 49,201. 7 Claims. (Cl. 198—192.)



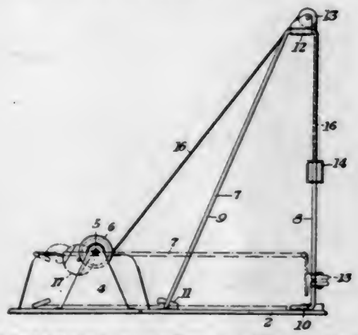
1. In an idler for belt conveyers, comprising a plurality of pulleys, means to move one of said pulleys angularly with respect to the course of the belt and the vertical plane of the transverse axis thereof.

1,633,154. NAIL MAGAZINE. TOMOJI YAMAKISHI, Bellevue, Wash. Filed May 19, 1926. Serial No. 110,267. 1 Claim. (Cl. 1—49.6.)



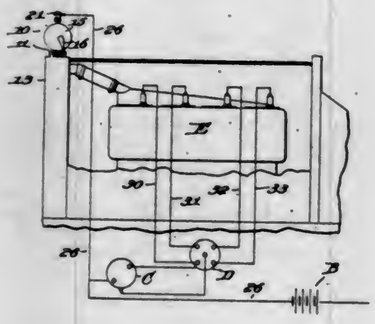
In a nail sorting machine a frame, a hopper secured at the upper end of the frame and inclined toward the frame, the bottom of the hopper next the frame being interrupted to provide an outlet, a sorting frame arranged below the hopper and inclined oppositely therefrom said sorting frame including end plates, wires connecting said plates in frame forming relation, and a series of nail holding members carried by the plates, each of such nail holding members including a fixed wire arranged in the plates and a movable wire slidably mounted in slots formed in the plates, said movable wire projecting in both directions beyond the respective plates, a spring connecting each projecting portion to a plate whereby the movable wire is held in predetermined spaced relation to the adjacent fixed wire and is capable of being separated therefrom to the limit of the slots and against the tensions of the springs, and guide plates cooperating with each pair of wires, said guide plates being arranged beneath the outlet of the hopper and inclined downwardly toward the space between each pair of wires, the outlets between each pair of guide plates registering with the space between each pair of wires when the latter are in operative positions, whereby the nails delivered from the hopper will be directed into the space between each pair of wires.

1,633,155. TOY PILE DRIVER. CHARLES ZABEL, Coraopolis, Pa., assignor, by mesne assignments, to Tosca Zabel, Feura Bush, N. Y. Filed June 15, 1926. Serial No. 116,113. 9 Claims. (Cl. 46—37.)



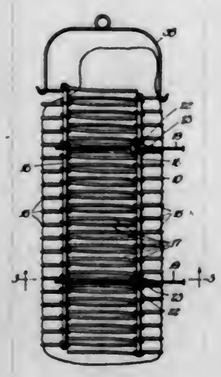
1. A mechanical toy including a base member, a rotatable drum carried on the base member, a driving motor on the base member, means operatively interposed between the driving motor and the drum for intermittently driving the latter, a vertical support on the base, a weight member slidable on the vertical support and a cord connecting the weight and the drum, guiding means for the cord being provided adjacent the upper end of the support.

1,633,156. COMBINED ENGINE STOP MOTION, VISUAL ALARM, AND CONDENSER FOR MOTOR-DRIVEN VEHICLES. ALBERTO ANTUNES, Boston, Mass., assignor to Vincente Gonsalves, Boston, Mass. Filed Jan. 19, 1922. Serial No. 530,328. 7 Claims. (Cl. 123—174.)



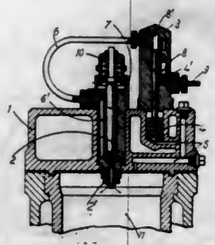
1. In a device of the class described, in combination, a motor; a radiator; a chamber removably mounted thereon adapted to condense steam; said chamber having an outlet that is normally closed; a closure device for said outlet; and means whereby a movement of said closure device will cause stoppage of said motor.

1,633,157. APPARATUS FOR RESHAPING HAMS. JOSEPH H. APPLETON, Oshkosh, Wis., assignor to Allied Packers, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 20, 1926. Serial No. 89,538. 6 Claims. (Cl. 100—57.)



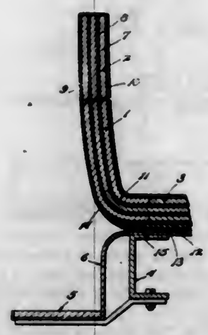
1. In apparatus of the character described, a substantially cylindrical container consisting of two hinged sections, each of which is substantially semi-cylindrical and is composed of a plurality of circumferentially extending stiff wire ribs which lap opposite the hinging axis with the ribs of the other section in crossed relation to the same and in such a way as to maintain a gradual curvature of the inside of the container at the point of crossing when the container is closed.

1,633,158. CYLINDER HEAD OF INTERNAL-COMBUSTION ENGINES COMBINED WITH FUEL INJECTORS. VADIME ARCHAOULOFF, Boulogne-sur-Seine, France. Filed Nov. 14, 1924, Serial No. 749,985, and in France Dec. 21, 1923. 1 Claim. (Cl. 123—32.)



In an internal combustion engine, in combination, a main cylinder, a head therefor provided with a cylindrical chamber and also provided with a passageway leading from a point in communication with the cylinder to the inner end of the chamber, a differential spring loaded injection valve mounted centrally through the head and in communication with the main cylinder, a member mounted on the main cylinder-head provided with a bore in communication with the cylindrical chamber, valve controlled fuel supply means mounted in the member and traversing the bore and connected with and in communication with the seat of the injection valve, a differential piston the lower portion of which operates in the chamber of the head, while the upper portion operates in the bore of the member, said differential piston being responsive to the main cylinder and acting in timed relation with the operation of the injection valve for controlling the passage of the solid fuel into the main cylinder, and a jacket provided in the main cylinder head, chamber passageway and injection valve, substantially as and for the purposes set forth.

1,633,159. VEHICLE BODY. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923. Serial No. 658,948. 6 Claims. (Cl. 296—31.)



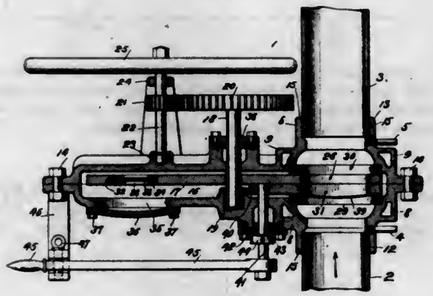
1. A vehicle body comprising an integral structure of body plies of wood and intervening bonding plies of rubber material, the body having a facing upon its exterior of rubber material, the facing extending onto the under side of the bottom of the body and entirely covering the same and providing a cushioning medium between the said bottom of the body and the frame structure upon which the body is to be supported.

1,633,160. FINISHED FABRIC AND PROCESS OF MAKING SAME. JOSEPH BENNETT, North Adams, Mass., assignor to Consolidated Textile Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 26, 1926. Serial No. 131,800. 12 Claims. (Cl. 41—41.)

1. The process of ornamenting fabric of regenerated cellulose, which comprises subjecting the same to local treatment in pattern of caustic alkali of delustering strength.

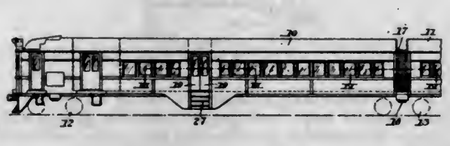
8. A fabric of regenerated cellulose fiber having localized area of lustreless surface.

1,633,161. REVOLVING-DISK VALVE. FRANK CAVENAGH, Seneca Falls, N. Y. Filed June 8, 1922. Serial No. 566,891. 2 Claims. (Cl. 251—86.)



1. In a valve of the class described, a casing with inflow and outflow openings, a perforated, rotary disk mounted therein, means for turning said disk perforations either into or out of registration with the inflow and outflow openings and locking and unlocking means for said disk including a perforated wedge through which fluids pass and a cam ring.

1,633,162. RAILWAY-CAR CONSTRUCTION. ANDREW CHRISTIANSON, Butler, Pa., assignor to Standard Steel Car Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 20, 1926. Serial No. 142,919. 8 Claims. (Cl. 105—4.)

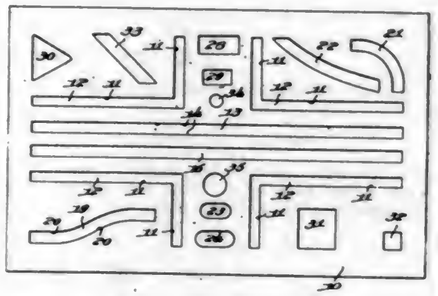


1. A railway passenger car body having a platform at its mid portion, steps extending downwardly from one edge of the platform, toward one side of the car, a trap door movable into horizontal position over the steps, and vertically disposed half-door sections disposed above the trap door and movable in opposite directions to permit access to the platform from a point exteriorly of the car.

1,633,163. DRAFTING IMPLEMENT. STEDMAN P. CROUSE, West Somerville, Mass. Filed Dec. 24, 1925. Serial No. 77,425. 2 Claims. (Cl. 33—1.)

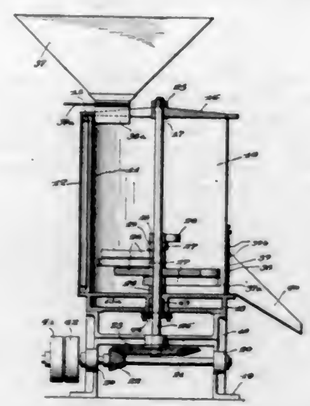
1. A stencil for use in producing diagrammatic drawings of street intersections and the like made from a piece of stiff thin sheet material, said piece of material

being formed with a pair of parallel track slots; two pairs of right-angled sidewalk slots, one at each side of said track slots, one leg of each sidewalk slot being



perpendicular to said track slots and the other leg of each sidewalk slot being parallel with said track slots, the perpendicular legs of said sidewalk slots being adjacent the middle portion of said track slots.

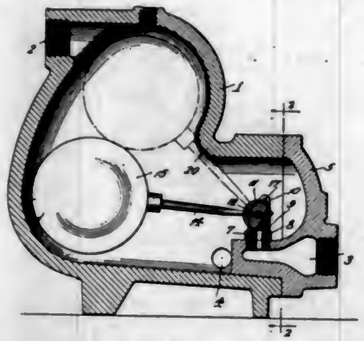
1,633,164. PULVERIZING MACHINE. WARBURTON KERR CRUICKSHANK, Regina, Saskatchewan, Canada. Filed Sept. 28, 1926. Serial No. 138,268. 4 Claims. (Cl. 83—11.)



1. In a pulverizing apparatus, a casing comprising inner and outer walls concentrically disposed and forming a space therebetween, a pulverizing mechanism positioned within said casing and comprising rotary and stationary cutters alternately disposed and positioned at varying angles with respect to each other, a tortuous conduit mounted in the space defined by said walls, said conduit having inlet and outlet openings and adapted to convey heat to the material within said casing, and a second form of heat-producing means positioned below the base of said casing and having inlet and outlet openings and adapted to convey heat to the material in its last stages of pulverization.

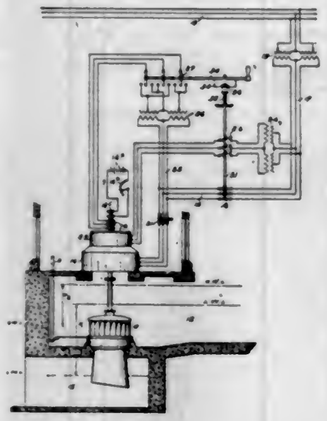
1,633,165. STEAM TRAP. HOWARD C. DAVIS, Elizabeth, N. J. Filed Apr. 22, 1926. Serial No. 103,783. 5 Claims. (Cl. 137—103.)

1. In a steam trap, an annular valve seat surrounding a discharge passage, uprights on opposite sides of said seat, a spherical valve having a portion thereof cut away and an axial opening extending therethrough, a pin of smaller diameter than said opening connecting said uprights and extending loosely through said opening, and



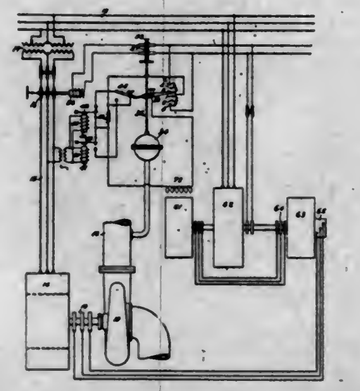
means actuated by variations in the level of the water in said trap for oscillating said valve on its seat to open and close said discharge passage.

1,633,166. POWER INSTALLATION. RAE W. DAVIS, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 3, 1922. Serial No. 548,905. 12 Claims. (Cl. 290—7.)



1. An electric power installation for the generation of alternating current of constant frequency under conditions of widely varying speed of prime mover, comprising an alternating current generator unit, a source of energy of variable available supply, a prime mover mechanically connected to said unit and operable from said source of energy to drive said unit at a plurality of different speeds dependent upon the supply of energy available, a distribution circuit the frequency of whose current is definitely established by means other than said generator unit, and means operative to insure the supply of electrical energy from said generator unit to said distribution circuit independently of the particular one of said speeds at which said prime mover drives said generator unit, said means comprising a variable ratio frequency converter having a rotary alternating current element connected in driven relation to said prime mover.

1,633,167. POWER INSTALLATION. RAE W. DAVIS, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 553,447. 22 Claims. (Cl. 290—7.)



2. A power installation, comprising an alternating current generator, a variable speed turbine for driving said generator at a plurality of different speeds, a distribution circuit whose frequency is definitely established by means other than said generator, a source of variable frequency electrically connected to said generator, and means for varying the frequency of said source in accordance with the speed of said generator whereby said generator is enabled to produce energy of the definite frequency of said line circuit independently of the particular one of said speeds at which said generator operates.

21. A hydro-electric installation for operation under conditions of widely varying turbine speed, comprising an alternating current generator, a turbine operable to drive said generator at a plurality of speeds below synchronous speed, and means for causing the frequency of the energy supplied by said generator to be maintained substantially constant in spite of operation of said turbine at said plurality of fixed speeds, said means being responsive to a condition attendant upon the supply of hydraulic energy available for conversion by said turbine.

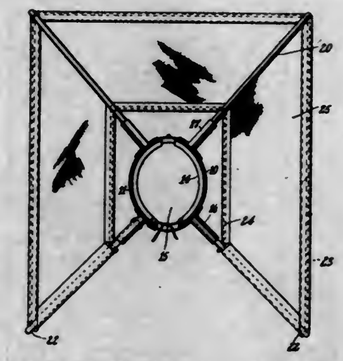
1,633,168. MUSHROOMING BULLET. JOHN A. DICKERMAN, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,176. 14 Claims. (Cl. 102—28.)



5. In a mushroom bullet the combination of a bullet body, a forwardly projecting collapsible or deformable point attached to said body and a coating of protecting and reinforcing material deposited on said forwardly projecting point.

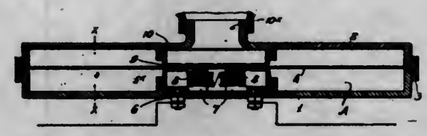
1,633,169. SWIMMING SHOE. JOSEF FEINAUER, New York, N. Y. Filed Oct. 23, 1926. Serial No. 143,540. 3 Claims. (Cl. 9—21.)

3. In a swimming shoe, a pair of hingedly joined semi-oval shell sections, housings extending radially from said sections, said housings being semi-circular and having a closed end, studs mounted in said housings, rods slidable in said housings, hooks formed on the ends of said rods, said hooks being mounted on said studs, and textile material secured on three sides of said shell sections



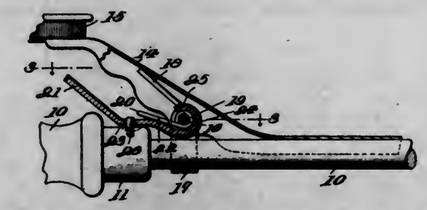
between said rods, said shell sections being lined with cork or the like and straps and harness for securing said shell sections to the foot.

1,633,170. ELECTRICAL SOUND TRANSMITTING AND RECEIVING APPARATUS. HERMANN FISCHER, New York, N. Y., assignor to Tower Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 12, 1925. Serial No. 62,075. 2 Claims. (Cl. 179—115.)



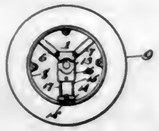
1. An electrical sound transmitting and receiving apparatus, comprising a casing, a diaphragm supported in said casing, an electromagnet, and opposed co-acting fulcrum members for the opposite faces of the diaphragm disposed intermediate the pole piece of the magnet and the outer margin of the diaphragm and dividing the latter into two zones, the lesser zone being intermediate the magnet and the fulcrum members.

1,633,171. CURLING IRON. MAURICE F. FITZGERALD, Winsted, Conn., assignor to The Fitzgerald Mfg. Company, Winsted, Conn., a Corporation of Connecticut. Filed Jan. 19, 1926. Serial No. 82,302. 4 Claims. (Cl. 132—37.)



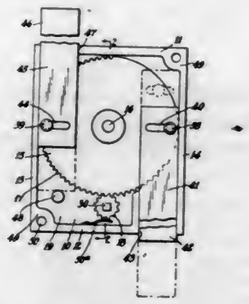
1. In a curling iron, a handle and a tong rigidly assembled together, a guard, a stirrup fitting about said tong, a pivotal connection between said stirrup and said guard intermediate the length of the latter, a lifter pivoted about said connection and a wire spring coiled about said pivotal connection and having projecting portions engaging said lifter and guard to force the operative portion of said guard into engagement with said tong.

1,633,172. LOCKING DEVICE. SAMUEL R. FRAIM, Lancaster, Pa. Filed Oct. 24, 1925. Serial No. 64,674. 6 Claims. (Cl. 70—90.)



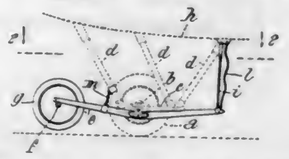
1. In combination with a rigid base member, a pair of elements adapted to be superimposed one upon the other and upon said base member and maintained in such position by a pair of separate detachable retaining members, means for locking said pair of elements together and to said base member, said means comprising a shackle passing through said two retaining members in such a manner as to prevent the release of said pair of elements from each other and from said base, said shackle extending in overlapping relation with and in contact with one of said elements, and a padlock mounted on said shackle to maintain said shackle in the desired position.

1,633,173. LOCK. HYMAN FREEDMAN and HARRY BORSKY, New York, N. Y. Filed Aug. 28, 1926. Serial No. 132,088. 4 Claims. (Cl. 70—74.)



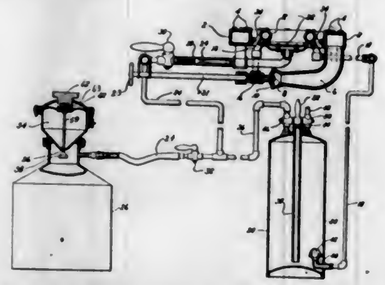
1. In a lock, a casing, a spur gear rotatable in said casing, a pinion in the casing meshing with said spur gear, locking bars extending from said casing and being extensible and retractable out of said casing, diametrically opposed pins on opposite sides of said spur gear, said locking bars having slots therein, said pins engaged in said slots, the spur gear when rotated arcuately extending or retracting said locking bars, and means for independently actuating said locking bars from either side of a door.

1,633,174. LANDING GEAR. JULES FRITSCH, Paris, France. Filed Oct. 21, 1926, Serial No. 143,122, and in Belgium Oct. 26, 1925. 7 Claims. (Cl. 244—2.)



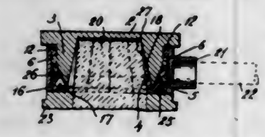
1. An apparatus of the class described comprising in combination an aeroplane body, a landing chassis, a main landing support associated with said chassis, an auxiliary landing support mounted on said chassis, resilient shock absorbing means associated with said auxiliary landing support, and means associated with said shock absorbing means for limiting the movement thereof relative to said main landing support.

1,633,175. HYDROCARBON BURNER. HENRY J. GIESEKE, Elizabeth, N. J., assignor to Mrs. Katherine Goodyear, New York, N. Y. Filed May 18, 1923. Serial No. 639,932. 3 Claims. (Cl. 158—36.5.)



1. In a fuel burner system, an acetylene gas generator, a liquid fuel tank, a pipe connecting the acetylene gas generator with the fuel tank, a liquid fuel burner, a pipe leading from the liquid fuel tank to the liquid fuel burner, an acetylene gas burner, a branch pipe leading off from the pipe connecting the acetylene gas generator with the liquid fuel tank, said pipe supplying acetylene gas to the acetylene gas burner, and means in said pipe for cutting off the supply of gas to the acetylene gas burner, and separate means for cutting off the supply of acetylene gas to the liquid fuel tank.

1,633,176. BATTERY-TERMINAL CONNECTER. EDWARD FORD GOELLER, New York, N. Y. Filed Dec. 22, 1925. Serial No. 76,949. 8 Claims. (Cl. 173—259.)



1. A connecter for mounting on a battery terminal which comprises the combination of a ring member adapted to be fitted over the terminal, and having a portion adapted to engage the terminal, a cap member cooperating with the ring to lock the latter to the terminal, a chamber formed between the cap and ring for holding a quantity of non-permeable material, and an outlet from the chamber through which the non-permeable material may pass to form a seal around the base of the terminal when the connecter is in place thereon.

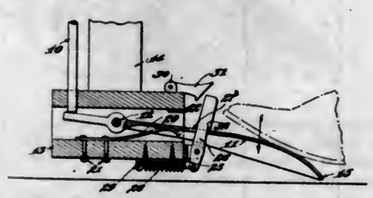
1,633,177. DOOR HANDLE. BERTRAM J. GOLDSMITH, New York, N. Y., assignor, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y., a Corporation of Delaware. Filed July 25, 1924. Serial No. 728,083. 3 Claims. (Cl. 292—347.)



1. A rectangularly-shaped sheet metal handle having an open side, a filler member comprising a removable and separately molded and hardened block in said handle and

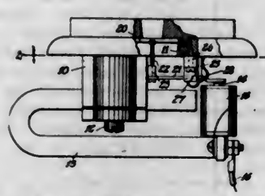
held in position therein by a portion of said handle bent over into engagement therewith and means associated with said handle for receiving a connecting member.

1,633,178. PEDAL LOCK. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Nov. 30, 1925. Serial No. 72,099. 3 Claims. (Cl. 74—81.)



1. A piano pedal for operating a utility comprising a fixed horizontal shaft, a rocking lever loosely mounted thereon for rotation in a vertical plane, the inner end of said lever being operatively connected to the utility, a spring for normally maintaining said lever in position so that its outer end is at the upper end of its travel, said lever having a slot, a pivoted arm extending through said slot and having a notch to engage the lever when the outer end of the lever has been depressed, a retractile spring for maintaining the pivoted arm in position so that the notch engages the lever, and a pivoted latch for engaging a free end of said arm to maintain the arm in inactive position.

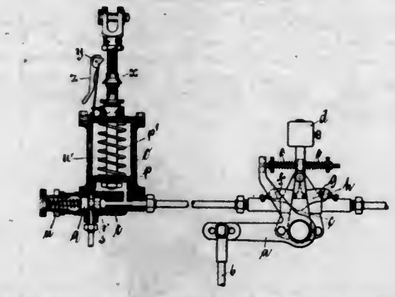
1,633,179. LOUD-SPEAKER UNIT. GEORGE F. C. HOUGHTON, Flushing, N. Y. Filed May 7, 1925. Serial No. 28,573. 2 Claims. (Cl. 179—108.)



1. An electric loud speaking receiver unit, comprising a permanent magnet having poles located in proximity to each other, a frame secured thereto, a solenoid about one of the poles of the magnet, a diaphragm carried by said frame, an armature lever having one end rigidly connected with the said diaphragm and its other end under the influence of the said solenoid pole piece, a bracket secured to the frame and having outwardly directed pivot points, a pivot bar secured to the lever and bearing on said points and provided with oppositely directed arms, and a pair of oppositely directed springs having free ends bearing upon the pivot bar arms and their other ends being secured to the bracket.

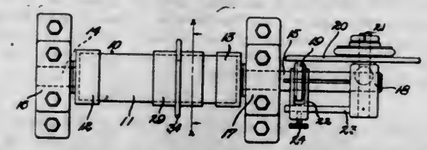
1,633,180. GOVERNING DEVICE. THOMAS JACKSON, London, England, assignor to Glendora Bessie Ramsay, Folkestone, England. Filed Aug. 24, 1923, Serial No. 659,077, and in Great Britain Aug. 31, 1922. 2 Claims. (Cl. 137—140.)

1. An improved governing device having in combination a pivoted lever continuously oscillated by the apparatus the speed of which is to be controlled, a pivoted lever rigidly carrying a mass adapted to be oscillated by the first named lever through two oppositely disposed yielding resistances, a bifurcated pivoted lever having two abutments, said bifurcated lever being adapted to be angularly displaced when the lever carrying the mass contacts with either of the abutments, a source of motive fluid under constant pressure, a valve device mechanically associated with and operable by the bifurcated lever adapted to permit passage of motive fluid under pressure when the bifurcated lever is angularly displaced, a fluid pressure



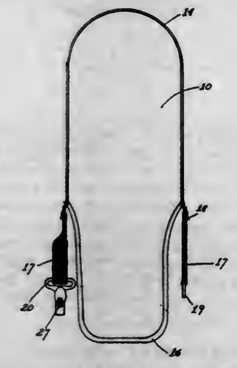
operated control device connected to the delivery from the valve device, said control device acting against an increasing yielding resistance and returning to its initial position on interruption of the supply of fluid pressure.

1,633,181. MECHANISM FOR WORKING PULPOUS MATERIAL. HELGO WIOGO JESPERSEN, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 16, 1924, Serial No. 713,703. Renewed Nov. 18, 1926. 25 Claims. (Cl. 92—41.)



1. In a mechanism for working pulpous material on a core, a forming member yieldingly engaging the pulpous material, means for causing relative movement between the forming member and the pulpous material, and means operable during said movement for adjusting the forming member.

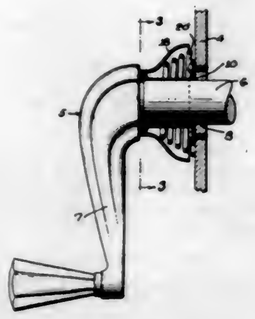
1,633,182. HAIR NET. ANTON KNOLL, New Bedford, Mass. Filed Nov. 19, 1926. Serial No. 149,389. 3 Claims. (Cl. 132—49.)



1. In a hair net, a spherically formed piece of netting, a band sewed to one edge of said netting, elastic ribbons attached to the ends of said band, a ring on one of said ribbons, a normally closed hook secured to the opposite elastic ribbon, said hook comprising an ear and a resili-

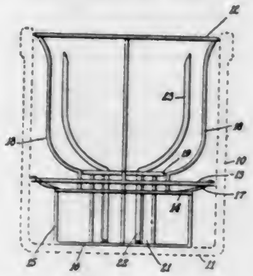
ent tongue extending parallel to said ear being joined thereto by a return bend, and a disk rotatably mounted on said tongue closing the mouth of said hook between said tongue and ear.

1,633,183. MOUNTING CONSTRUCTION. EMIL KOEB and BERTRAM J. GOLDSMITH, New York, N. Y., assignors to Perfect Window Regulator Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 16, 1925. Serial No. 23,613. 10 Claims. (Cl. 292—356.



1. In combination with a support, an operator, means for detachably securing said operator to said support, said means including a securing member operatively connected to said support and adapted to interlock with said operator, and a spring pressed slidable shield adapted to operatively engage said securing member to hold the same in its interlocked position.

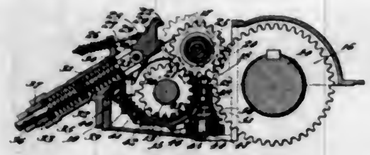
1,633,184. MOISTURE FEEDER FOR FLOWERPOTS. FRANK LUIPERSBEK, Boundbrook, N. J. Filed Oct. 23, 1926. Serial No. 143,590. 2 Claims. (Cl. 47—38.)



1. In combination with a flower pot, a cage serving for retaining soil, a raised seat supporting said soil above the bottom of said flower pot, legs supporting said seat, said flower pot being adapted to be filled with water to the lever of said seat, a second seat raised above the first-named seat, legs supporting said second-named seat, prongs extending from said second named seat upwardly and downwardly, said prongs absorbing water from beneath said first-named seat, the prongs passing thru said second seat to a position below said first-named seat.

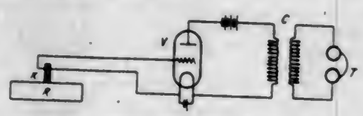
1,633,185. ENTRAINMENT GEARING. JAMES P. MADDEN, Bethlehem, Pa. Filed Aug. 25, 1925. Serial No. 52,260. 9 Claims. (Cl. 74—7.)

1. In gearing mechanism, the combination of a driving gear, a driven gear, a tumbler gear constantly in mesh with the driving gear, a carrier for the tumbler gear for confining translatory motion of the latter to meshed and demeshed positions with respect to the driven gear, a rocker member having teeth thereon at different radial distances from the axis of the rocker and the tooth there-



of spaced a minimum distance from such axis being adapted to engage between teeth of the tumbler gear when the latter is in its demeshed position, and resilient means for supporting the rocker member.

1,633,186. ARRANGEMENT FOR CONVERTING ACOUSTIC ENERGY INTO ELECTRICAL ENERGY. ALEXANDER MEISSNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed May 29, 1924, Serial No. 716,533, and in Germany June 25, 1923. 6 Claims. (Cl. 179—1.)



1. A device for converting sound waves into electrical impulse undulations, which comprises a plurality of piezo-electric bodies adapted to produce electrical impulse undulations in accordance with the variation in pressure exerted thereon, means associated with certain of said bodies adapted to produce variations in pressure on certain of said bodies in response to sound waves, means associated with certain others of the said piezo-electric bodies adapted to produce variations in pressure on said last mentioned bodies, amplifying means associated with said piezo-electric bodies, and means to render the separate outputs of the several amplifiers additive.

1,633,187. HOLLOW METAL ARTICLE AND METHOD OF PRODUCING THE SAME. ALLEN B. NORTON, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 13, 1926. Serial No. 80,902. 7 Claims. (Cl. 29—156.5.)

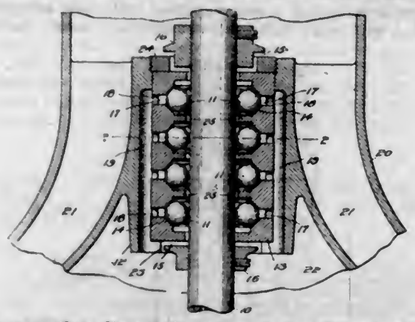


1. A piston having a skirt split longitudinally and having mechanically induced compression stresses in the metal adjacent the inner surface of the lower part of the skirt.

1,633,188. PUMP BEARING. IMMANUEL ALVIN OLIVER, Pomona, Calif., assignor to The Pomona Manufacturing Company, Pomona, Calif., a Corporation of California. Filed Oct. 5, 1926. Serial No. 139,692. 6 Claims. (Cl. 308—231.)

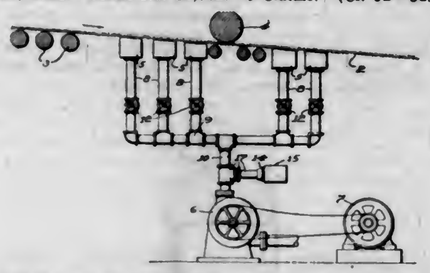
1. In a bearing for rotatable pump shafts and the like, a cage for said bearing, a plurality of raceways in said

cage, and a series of rubber ball bearings in each of said raceways contacting with said shaft, each raceway hav-



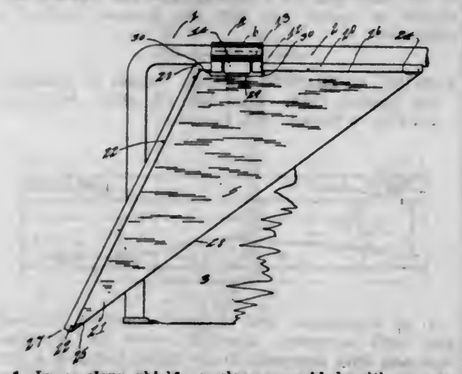
ing an outlet adjacent the bottom thereof through which gritty substances and other foreign matter will be eliminated from said raceways and cage.

1,633,189. PAPER-MAKING MACHINE. ERNEST POIRIER, Waterville, Me., assignor of forty-nine one-hundredths to John W. Stoble, Waterville, Me. Filed Aug. 21, 1925. Serial No. 51,702. 6 Claims. (Cl. 92—51.)



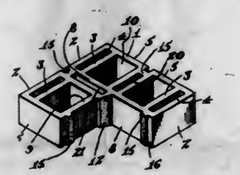
1. In a paper making machine, the combination of a travelling carrier on which the paper stock is deposited, a suction box in contact with said carrier, a vacuum pump, pipe connections leading from said box to said pump, a valve of slight inertia for automatically controlling the vacuum at said box, and means for operatively supporting said valve to partially overcome the inertia effect thereof whereby to cause it to maintain a substantially constant vacuum in said box.

1,633,190. GLARE SHIELD. MARION A. RADER, Walla Walla, Wash. Filed Oct. 20, 1925. Serial No. 63,599. 2 Claims. (Cl. 296—97.)



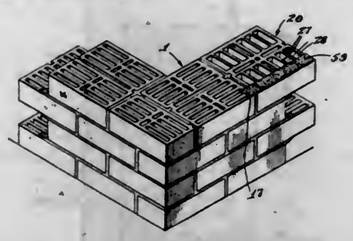
1. In a glare shield, a clamp provided with a supporting clip and a horizontally extending portion terminating in a shaped lower jaw, and provided with a yieldingly operable upper jaw cooperable with said first mentioned jaw, a shield comprising a transparent piece formed to an obtuse angled triangle, said piece being adjustably mounted in said clamp adjacent to the obtuse angle, and in a position of balance between the two acute angles, and means to prevent longitudinal movement of the shield in said clamp.

1,633,191. HOLLOW BUILDING UNIT. GEORGE D. REAGAN, Oklahoma City, Okla. Filed Feb. 25, 1926. Serial No. 90,642. 2 Claims. (Cl. 72—41.)



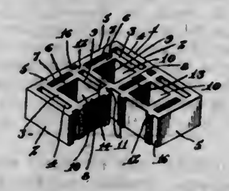
1. A rectangular hollow building tile of the kind described, comprising a plurality of separable units, each unit being defined at the exterior faces of said tile by kerfs formed by offset transverse webs uniting said units and a single connecting web located centrally of said tile.

1,633,192. REENFORCED HOLLOW FRACTURABLE BUILDING UNIT. GEORGE D. REAGAN, Oklahoma City, Okla. Filed Mar. 10, 1926. Serial No. 93,698. 4 Claims. (Cl. 72—41.)



1. A divisible building unit of the kind described, comprising half sections united by fracturable connections along a distinct longitudinal line of fracture, each half section being divisible into quarter sections along distinct lines of fracture laterally of said first line of fracture, and each quarter section having a plurality of equally spaced transverse webs forming a plurality of equally spaced transverse voids.

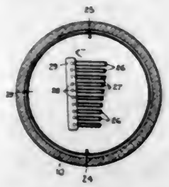
1,633,193. HOLLOW BUILDING UNIT. GEORGE D. REAGAN, Oklahoma City, Okla. Filed Mar. 10, 1926. Serial No. 93,699. 2 Claims. (Cl. 72—41.)



2. A rectangular hollow building block or tile, comprising double outer walls on each side, said block being divisible along distinct lines of fracture into four sepa-

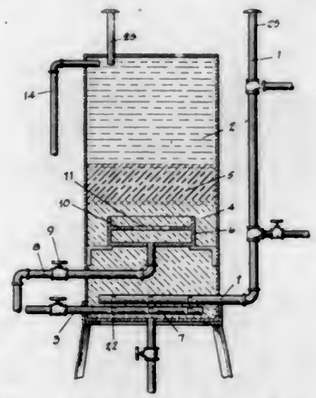
rable building units, each unit having two double walls and two single walls, and each unit being joined to an adjacent unit by a plurality of fracturable transverse webs.

1,633,194. TELEPHONE RECEIVER. DR ELBERT A. REYNOLDS, Yonkers, N. Y. Filed Feb. 19, 1925. Serial No. 10,166. 10 Claims. (Cl. 179—109.)



1. In a telephone receiver, an electro-magnet, a set of reeds having a common magnetic base mounted in contact relation with one pole of an electro-magnet, the free ends of said reeds being disposed in magnetic relation to the other pole of said electro-magnet and means for electrically attracting the free ends of said reeds.

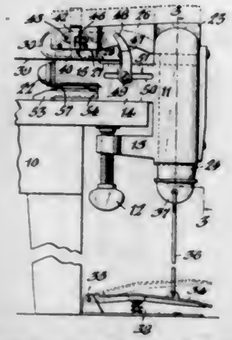
1,633,195. SCRUBBER FOR DRY-CLEANING SYSTEMS. MAURICE M. SCHWAB and SAMUEL S. SCHWAB, Toledo, Ohio. Filed June 4, 1923. Serial No. 643,160. 5 Claims. (Cl. 210—47.)



1. In a dry cleaning system, a water scrubber vat for scrubbing gasoline, a pipe for introducing the gasoline into the bottom of the vat, an outlet for drawing gasoline from the top of the vat, an inlet water pipe for introducing water into the bottom of the vat, a basin located at a fixed point substantially half way between the top and the bottom of the vat, and in spaced relation to the sides, bottom and top of the vat, an outlet water pipe connected to the basin for drawing off the water from the vat through the basin, the water pipes having valves for maintaining the level of the water above and near the upper edge of the basin, the gasoline inlet pipe having a means for distributing the gasoline over the bottom of the vat as it enters the vat.

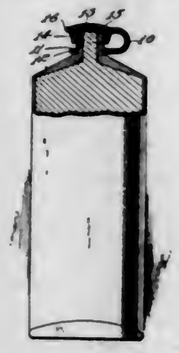
1,633,196. MACHINE FOR CUTTING BUTTONHOLES. JOHN SIARKOWSKI, Buffalo, N. Y. Filed July 12, 1926. Serial No. 121,912. 6 Claims. (Cl. 164—2.)

1. A button-hole cutting machine, comprising a frame having an upright guideway and an arm terminating at its free end in a pair of spaced supports on which the garment is adapted to be placed, a width-gage disposed in the space between said supports, a vertically-slidable cutter-head having a part engaging said frame-guideway and a part overhanging said width-gage, a knife applied



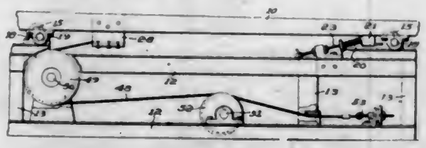
to the last-named cutter-head part and arranged to cooperate with the width-gage to form a button-hole in the garment, and means for actuating said cutter-head into and out of its operative position.

1,633,197. CLOSURE FOR RECEPTACLES. WILLIAM J. SNYDER, Newark, N. J. Filed July 28, 1925. Serial No. 46,513. 3 Claims. (Cl. 221—60.)



1. A closure for receptacles comprising a rubber strip with a perforated enlargement on one end and a socket on the other end, the socket having walls that are stiff enough to receive and hold the threaded end of a receptacle.

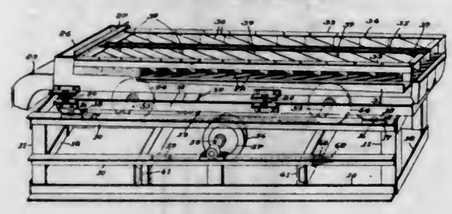
1,633,198. OPERATING MEANS. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Dec. 20, 1924. Serial No. 757,174. 6 Claims. (Cl. 74—14.)



1. In combination with a frame supported for back and forth movement, operating means for imparting back and forth movement to the frame, including a pair of cables each anchored at one end and having its other end secured to the frame, an operating shaft provided

with an eccentric portion that extends lengthwise of the shaft a substantial distance, two sheaves rotatably mounted upon said eccentric portion in spaced relation to each other and each positioned to engage an intermediate portion of one of the cables, collars secured to the eccentric portion to hold the sheaves from moving lengthwise thereof, and means for rotating the shaft to actuate the sheaves so that they will alternately pull and slack off their respective cables to actuate the frame.

1,633,199. CONCENTRATOR TABLE. ALBERT H. STEBBINS, Los Angeles, Calif. Filed June 15, 1926. Serial No. 116,100. 8 Claims. (Cl. 209—467.)

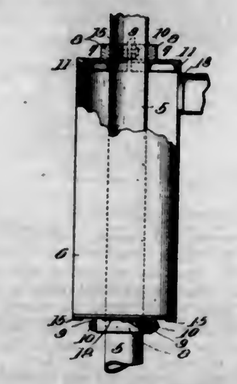


1. A concentrator table comprising in combination, a supporting frame, a deck casing mounted upon the frame for vibratory movement and having a deck surface, riffles extending diagonally over the deck surface, means for vibrating the deck to effect a movement stratification of the materials upon the deck surface, and scrapers extending across the riffles and supported in spaced relation to the riffles to provide an unobstructed clearance space therebetween in which an intermediate stratum of the materials flows while the concentrates are directed by the riffles to one side of the deck and the tailings are directed by the scrapers to the other side of the deck.

1,633,200. TREATMENT OF LIME NITROGEN. JOB MORTEN AUGUST STILLESEN, Niagara Falls, N. Y. Filed Aug. 8, 1919, Serial No. 316,038. Renewed Nov. 9, 1926. 6 Claims. (Cl. 260—125.)

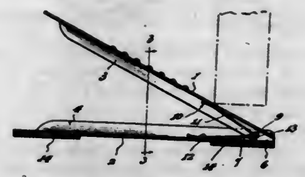
1. The process which consists in treating calcium cyanamid with water and with expanding carbon dioxide at a temperature of about 135° C.

1,633,201. HEATING DRUM. LYMAN R. SWETT, Boston, Mass. Filed Nov. 16, 1923. Serial No. 675,117. 2 Claims. (Cl. 257—169.)



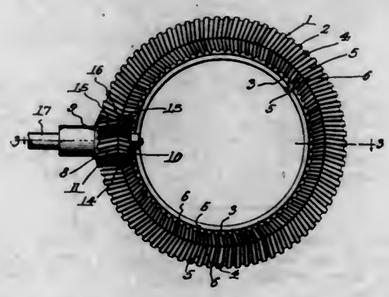
1. In a heating drum, the combination with a smoke flue of a tubular drum surrounding the flue, sectional heads, each section being provided with a semi-circular hub at its inner edge, the hub of each section of a head being mounted upon the flue, and means carried by the hubs for fastening the hubs of a head together on the flue, and flanges formed on the inner faces of each section of the heads for engaging the inner wall of the drum for supporting the drum in spaced relation to the flue.

1,633,202. DOOR HOLDER. LELAND W. WILLIAMS, San Antonio, Tex. Filed Nov. 24, 1926. Serial No. 150,564. 2 Claims. (Cl. 292—343.)



1. A door holder comprising a pair of pivotally connected plates, said plates having side marginal flanges, the ends of the flanges of one of the plates being beveled to provide stops for engaging the companion plate to limit the swinging movement thereof in one direction.

1,633,203. GEARING FOR REAR AXLES OF AUTOS. JOHN E. YEAGER, Poyntelle, Ky. Filed July 10, 1924. Serial No. 725,230. 1 Claim. (Cl. 74—7.)

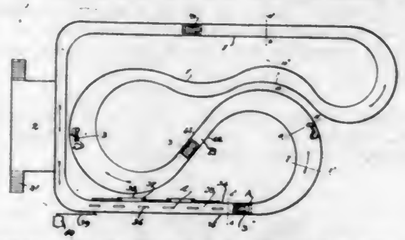


In a mechanism of the sort specified, a ring gear having teeth, each tooth comprising outer and inner members, the outer member of each tooth of the gear being longer than the inner member thereof, the outer and inner members of each tooth slanting with respect to each other, circumferentially of the gear, to form an apex, the outer and inner members of each tooth slanting with respect to each other, at an angle to the plane of the gear, to said apex: and a pinion having teeth which mesh with the teeth of the ring gear, each tooth of the pinion comprising outer and inner members, the outer member of each tooth of the pinion being longer than the inner member thereof, the outer and inner members of each tooth of the pinion slanting with respect to each other toward the axis of the pinion to form an angle, the outer and inner members of each tooth of the pinion slanting with respect to each other circumferentially of the pinion to the apex of said angle.

1,633,204. AMUSEMENT DEVICE. JOHN N. BARTLETT, Winnipeg, Manitoba, Canada. Filed Oct. 14, 1926. Serial No. 141,648. 10 Claims. (Cl. 104—63.)

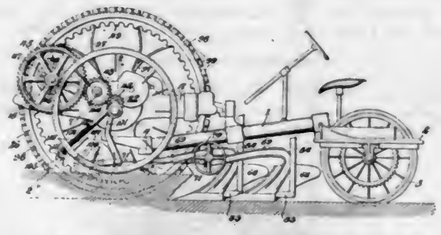
2. In an amusement device, in combination, a runway having bends therein and the bends banked, a pas-

senger carrier provided with forward castor wheels and means for projecting the carrier onto the runway at a



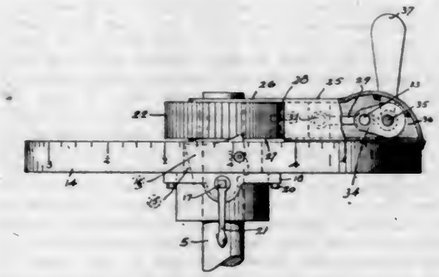
comparatively high velocity, the amount of banking at the bends of the runway being such that the passing carrier is self steering throughout its travel.

1,633,205. TRACTOR PLOW. MARTIN R. BRUNER, Buckland, Ohio. Original application filed Jan. 8, 1925. Serial No. 1,244. Divided and this application filed May 28, 1926. Serial No. 112,330. 5 Claims. (Cl. 97—40.)



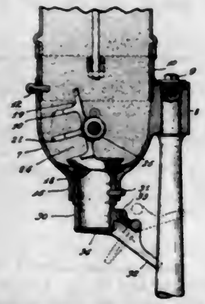
1. In a tractor implement, the combination of a wheel supported main frame, plows carried thereby, a transverse shaft journaled in front of the plows and having colter disks thereon, trash feeders on said shaft, and means for positively rotating said shaft to feed the trash rearwardly as the tractor advances over the field.

1,633,206. SAWMILL SETWORK. THOMAS CARMICHAEL and JOHN E. BOWLIN, Fort Bragg, Calif. Filed Mar. 29, 1926. Serial No. 98,249. 3 Claims. (Cl. 143—124.)



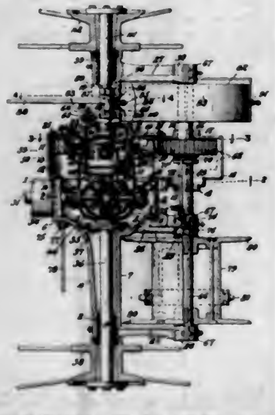
1. A set works having a stop shaft, a toothed wheel fixedly secured to the said shaft, a stationary plate surrounding the shaft, a radially disposed frame rotatably mounted on the shaft and adapted to be moved manually in one direction, means carried by the frame and adjustable into engagement with the toothed wheel for causing the frame to move with the stop shaft in an opposite direction, an oscillating stop connected to the plate and having two oppositely disposed portions respectively adapted to be alternately projected into the path of movement of the frame, one of said portions being adapted to intercept the frame when the same is moved angularly in one direction and for a predetermined distance by the shaft, said portion being further adapted to yield under pressure of the frame when the same is moved manually and in another direction and for a distance of not less than 360°.

1,633,207. DISPENSING MACHINE. SIGVORT HANSON, Racine, Wis. Filed June 27, 1924. Serial No. 722,862. 15 Claims. (Cl. 221—95.)



3. In a dispensing machine embodying a material containing chamber having an outlet, a discharger in said chamber comprising a plurality of measures for apportioning material in varying quantities and discharging the same from said chamber through its outlet, and means associated with said discharger for actuating the same.

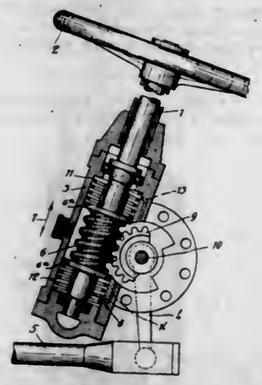
1,633,208. POWER-DELIVERING ATTACHMENT FOR AUTOMOBILE TRUCKS OR TRACTORS. LEO HAUBERT, Tulsa, Okla., assignor of one-third to John C. Bennett and one-third to John A. Wolfe, Tulsa, Okla. Filed Nov. 14, 1924. Serial No. 749,915. 5 Claims. (Cl. 74—7.)



1. In a power delivering attachment for motor vehicles, a pair of separate drive axles, one of said axles being shorter than the other, differential gearing located between the inner ends of the axles, the longer axle being directly connected thereto, a short shaft extending from the differential to the shorter axle, means for connecting or disconnecting the said shaft and axle, a gear ring surrounding and forming part of the differential, means for driving the gear ring, a concentric collar carried by the said ring, said collar extending laterally of the machine to and beyond the inner end of the short axle, a
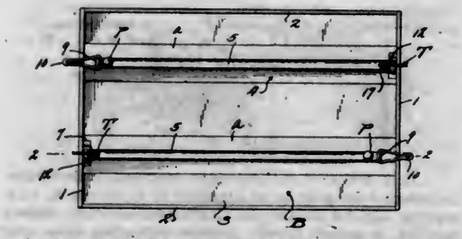
stationary housing carried by the vehicle frame and surrounding the gearing and collar, an inwardly directed sleeve carried by the housing and extending within the collar to provide an external bearing for the outer end of the collar and an internal bearing for the said short shaft, a gear wheel secured to the outer end of the collar, a drum shaft mounted on the vehicle frame and having a drum, and a pinion slidably mounted on the shaft to be moved into or out of meshing engagement with the said gear wheel, to wind the drum either when the differential is connected to or disconnected from the said shorter drive axle.

1,633,209. STEERING GEAR FOR AUTOMOBILE VEHICLES. ALBERT BERTHOLDT HENNINGER, Berlin, Germany. Filed Apr. 28, 1926, Serial No. 105,274, and in Germany Mar. 21, 1922. 2 Claims. (Cl. 74—79.)



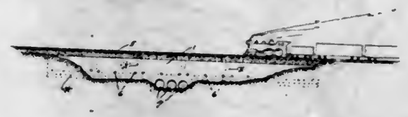
1. Steering gear for automobiles comprising, in combination, a steering pillar rotatable by the hand of the operator, a casing entirely surrounding the steering pillar, a cylindrical worm on said pillar and rotating with the latter and freely slidable to either side on the same in the casing, guiding discs at either side of said worm for guiding said worm with respect to the steering pillar in the casing, a transmission member in engagement with said worm adapted to transmit its movement caused by the turning of the steering pillar and of the worm upon the steering wheels of the motor vehicle, springs acting immediately with the inner ends upon said guiding discs and with the outer ends abutting against parts of the casing, adapted to damp the shocks which act on the steering wheels keeping the shocks from the steering post and its bearings and returning the freely slidable worm into its normal position after the displacement.

1,633,210. GAME APPARATUS. IRA HERBISON, Plessis, N. Y. Filed Nov. 30, 1926. Serial No. 151,738. 1 Claim. (Cl. 273—119.)



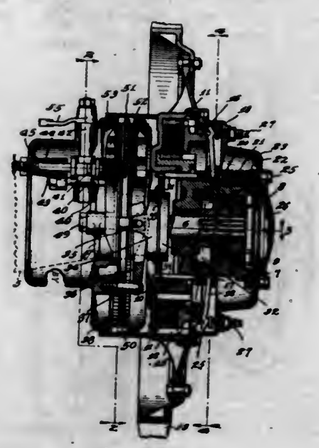
A game apparatus comprising a member provided at its top portion with a grooved surface, a pellet adapted to traverse such grooved surface, means for mounting an impelling spring at one end of such grooved surface, and means for mounting a target at the opposite end of such surface, said member at each end portion being provided with a recess, the spring being insertible in one of the recesses and the target engageable within the other.

1,633,211. ROADWAY EMBANKMENT. EDWIN A. JENKS, Alderpoint, Calif. Filed June 30, 1924. Serial No. 723,303. 5 Claims. (Cl. 238—3.)



1. Spaced longitudinal concrete walls extending across a canyon, an arroyo or the like, said walls being adapted to retain earth which fills up said canyon, arroyo or the like between said walls, and which carries a roadway or railroad thereon, and transverse walls spaced apart between the ends of, and connecting the first mentioned spaced walls.

1,633,212. TRACTOR. ALFRED C. JOHNSON, Racine, Wis., assignor to Belle City Manufacturing Company, Racine, Wis., a Corporation. Filed Nov. 3, 1925. Serial No. 66,543. 27 Claims. (Cl. 192—18.)

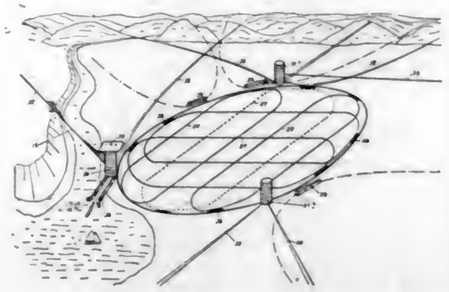


3. In a tractor, an axle, a hub secured thereto, a wheel-hub rotatably mounted on said axle-hub, clutch-disks between said hubs, means for shifting said disks into engagement, yielding means for actuating said shifting means, a collar movable by said yielding means, brake mechanism adapted to engage said collar, and means for actuating said brake mechanism to permit the disengagement of said clutch disks.

1,633,213. CHEMICAL COMPOSITION. JOSEPH FRANCIS KING, Brooklyn, N. Y., assignor to Herman A. Metz, New York, N. Y. Filed Jan. 19, 1926. Serial No. 82,348. 3 Claims. (Cl. 8—2.)

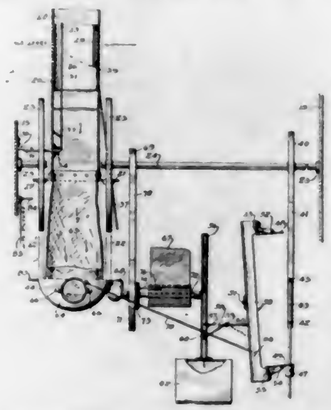
1. A composition of the character described, comprising 300 pounds sodium perborate, 50 pounds cornstarch, 30 pounds sodium triphosphate, 25 pounds aluminum sulphate powder, 75 pounds Epsom salts, and 20 pounds denatured alcohol.

1,633,214. METHOD FOR OVERCOMING GREAT DIFFERENCES OF HEIGHT WITH HIGH-SPEED PASSENGER TRAFFIC. FRANZ KRUCKENBERG, Heidelberg, Germany. Filed Jan. 24, 1925, Serial No. 4,571, and in Germany Nov. 28, 1924. 6 Claims. (Cl. 104—91.)



1. Means for handling traffic in a congested area comprising a continuously travelling railway surrounding such area and provided with stations at suitable intervals, and also located on such railway a tower-like station structure of many stories and having a spirally arranged means for access to any story.

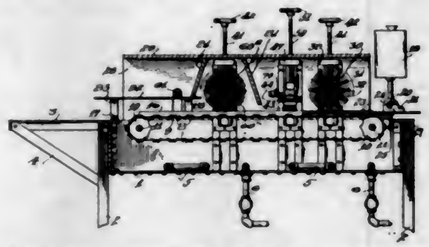
1,633,215. VENDING MACHINE. LOUIS E. LA CROIX, Baltimore, Md. Filed Nov. 14, 1925. Serial No. 69,064. 8 Claims. (Cl. 194—37.)



1. A vending machine comprising a vertically movable receptacle having a pivoted bottom, a vertically movable operating member connected to the receptacle for raising the same, coin controlled locking means for holding the operating member in position with the receptacle raised, dispensing means including a device for releasing the bottom of the receptacle upon upward movement of the latter, and means for releasing said operating member when the dispensing means is operated.

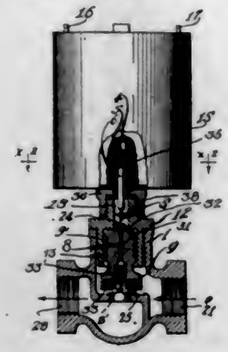
1,633,216. MACHINE FOR CLEANING ELECTROTYPE PLATES. WILLIAM R. LAKEMAN, Rochester, N. Y. Filed Mar. 23, 1922. Serial No. 546,202. 10 Claims. (Cl. 15—77.)

1. In combination with means for moving an electrotype plate, three scrubbing elements, one movable transversely of the line of movement of the plate, and the other two operating longitudinally of the line of movement on opposite sides of the first named scrubbing element, the one nearest the intake of the machine operating in the direction of the line of movement of the plate



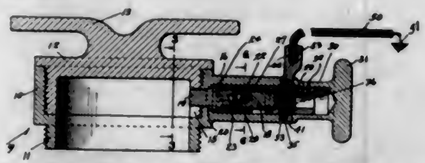
and at a greater speed than the plate, the other of said last two mentioned scrubbing elements operating in a direction opposed to the line of movement of the plate.

1,633,217. VALVE. EDGAR EARLE LITTLEFIELD, Los Angeles, Calif. Filed Mar. 18, 1922. Serial No. 544,878. 13 Claims. (Cl. 137—139.)



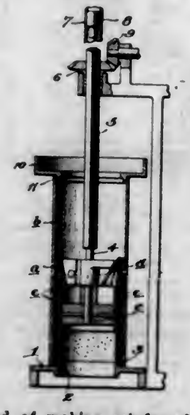
3. A valve mechanism comprising a casing having main inlet and outlet openings, a main valve seat and a water chamber in said casing, a main valve for said seat with by-passes communicating respectively with the casing inlet and outlet, one of the by-passes being a small passage through the main valve and having a valve seat at its upper extremity, an electromagnet having a tubular core, a valve stem extending into said core and formed at its lower end into a valve cooperative with the by-pass valve seat in the main valve.

1,633,218. CLOSURE-CAP LOCK. FRANK A. MCDONALD and FERDINAND G. WELKE, San Francisco, Calif. Filed Jan. 21, 1926. Serial No. 82,816. 2 Claims. (Cl. 220—24.)



1. In a device of the character described, a first tubular member adapted to be attached to a container, a removable cap for closing the opening in said first tubular member, a second tubular member extending from said first tubular member, a non-rotatable slidable bolt in said second tubular member, said first tubular member and said cap being adapted to receive an end portion, of said bolt, resilient means normally pressing said bolt into locking engagement with said cap and said first tubular member, said bolt being threaded, a key having a threaded end portion adapted to threadedly engage said bolt and having a shoulder adapted to abut against the end of said second tubular member, a ring rotatably encircling said key and held thereto and an electrical conductor secured to said ring at one end and grounded at its other end.

1,633,219. METHOD OF FORMING PIPE. GEORGE C. MARTIN, Los Angeles, Calif. Filed Dec. 17, 1926. Serial No. 155,476. 3 Claims. (Cl. 25—154.)



1. The method of making reinforced pipe which consists in forming a mixture of plastic material and relatively small lengths of reinforcing metal, pouring the same into a hollow mold and then subjecting the mass of plastic material and metal to a rotary troweling pressure exerted radially of the mold.

1,633,220. PROCESS OF DYEING FILAMENTS AND FILMS FORMED FROM VISCOSE. WILLIAM MENDEL, Beverly, N. J., assignor to Samuel A. Neidich, Edgewater Park, N. J. Filed May 23, 1925. Serial No. 32,450. 5 Claims. (Cl. 8—5.)

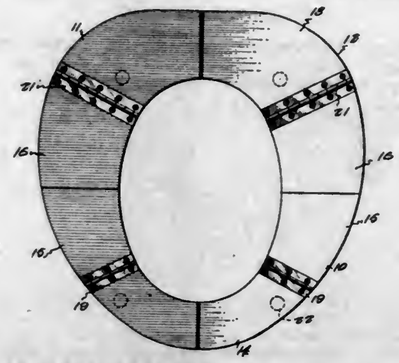
1. The method of manufacturing dyed articles from viscose (sulphocarbonate) which consists in subjecting viscose to the action of a coagulating material and of trisodium phosphate (Na_3PO_4) and of a dyeing element in aqueous solution before drying such articles.

1,633,221. PROCESS OF DYEING FILAMENTS AND FILMS FORMED FROM VISCOSE. WILLIAM MENDEL, Beverly, N. J., assignor to Samuel A. Neidich, Edgewater Park, N. J. Filed May 23, 1925. Serial No. 32,451. 3 Claims. (Cl. 8—5.)

1. The method of manufacturing dyed articles from viscose (sulphocarbonate) which consists in subjecting viscose to the action of a coagulating or precipitating element and then subjecting the precipitated articles to the action of tri-sodium phosphate (Na_3PO_4) and of a dyeing element in the same aqueous solution, before drying such articles.

1,633,222. AUXILIARY TOILET SEAT. ESTHER M. NOBLE, Boise, Idaho. Filed July 2, 1926. Serial No. 120,216. 2 Claims. (Cl. 4—239.)

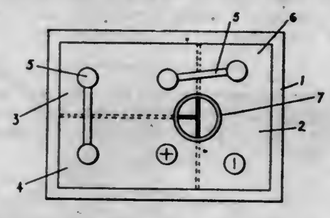
1. An auxiliary toilet seat including a pair of lateral sections, each section comprising two end segments and two intermediate segments, a hinge connecting the adjacent ends of the intermediate segments of each section at one side of the segments to provide for relative folding of said segments to position with their said sides in contact, a hinge connecting each intermediate segment of each section with the adjacent end of the respective end segment, at the opposite side of the segments to provide for relative folding of the end segments, with relation



to their respective intermediate segments, to position with their sides, at which the hinges are located, in contact, and means upon the respective end segments of the two sections for separably connecting the same to each other.

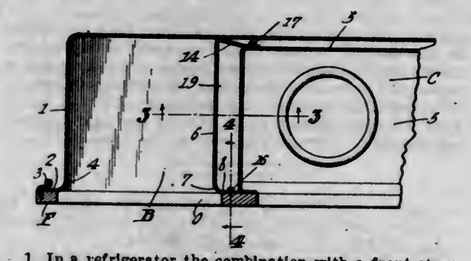
1,633,223. [WITHDRAWN.]

1,633,224. STORAGE BATTERY. CLARENCE E. OGDEN, Cincinnati, Ohio, assignor to The Kodel Radio Corporation, a Corporation of Ohio. Filed Dec. 31, 1926. Serial No. 158,337. 2 Claims. (Cl. 136—162.)



2. In a storage battery, a case, a cell located transversely at one end of said case, two cells located longitudinally in the remaining portion of said case contiguous to said first cell, and a filling opening in the upper portion of said case extended over contiguous portions of all of said cells.

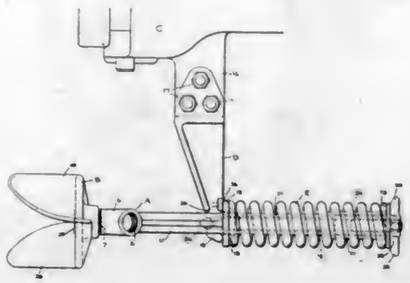
1,633,225. REFRIGERATOR. RUDOLPH A. RIEK, Rhinelander, Wis. Filed Mar. 27, 1925. Serial No. 18,853. 4 Claims. (Cl. 62—89.)



1. In a refrigerator the combination with a front structure having an opening therein for a door, of a porcelained metal lining mounted back of said structure and

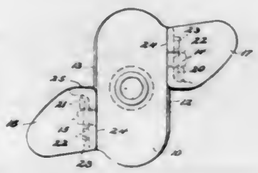
having its front edge portions convex and visible at the sides of the door opening, the maximum width of the compartment between opposed sides of the lining being less than the width of the door opening.

1,633,226. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH ROBINSON, New York, N. Y. Filed Apr. 9, 1921, Serial No. 459,926. Renewed Nov. 10, 1926. 18 Claims. (Cl. 285—58.)



1. In an automatic train pipe connecter, the combination with a car coupler, of a coupling head and a support for suspending the head from said coupler, said support comprising a bracket and a spring, which said spring is adapted to be constrained when said coupling head is in the coupled position with a mating head, and means to permit said coupling head to be disconnected from a mating head while said car couplers remain coupled, said means comprising a device to maintain said spring constrained while effecting such disconnection.

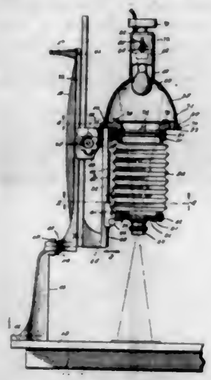
1,633,227. CONNECTER HEAD. JOSEPH ROBINSON, New York, N. Y. Filed Apr. 12, 1921, Serial No. 460,774. Renewed Nov. 10, 1926. 11 Claims. (Cl. 285—58.)



1. An automatic train pipe coupling head comprising in combination, a base having a projecting flange provided with an aperture therethrough, a guide having a recess to receive said flange and an aperture therein to be brought into register with the aperture in the flange, and a member adapted to be inserted into said registering apertures to secure the guide to the base.

1,633,228. PHOTOGRAPHIC ENLARGER. ELWOOD C. ROGERS, Indianapolis, Ind. Filed Apr. 8, 1926. Serial No. 100,537. 25 Claims. (Cl. 88—24.)

17. In a photographic enlarger, a negative holder, a lens, a light bulb having a light-diffusing surface, a reflector for said light bulb, the light-diffusing surface of said light bulb being located to intercept light rays from the bulb to the reflector, said reflector having a non-



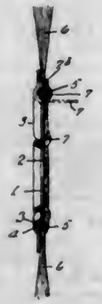
diffusing reflecting surface and being arranged to reflect rays of light from the light bulb through a negative in the negative holder and thence through the lens.

1,633,229. PAPER BOX AND PROCESS OF MAKING THE SAME. SAM ROSENTHAL, New York, N. Y., assignor to The Pony Fruit Corporation, New York, N. Y. Filed Aug. 2, 1926. Serial No. 126,581. 4 Claims. (Cl. 229—14.)



1. A flat paper form which can be folded into a rectangular box for packing materials which comprises a portion which can be folded into an exterior and another portion integrally attached thereto which when folded will form a completely rounded liner completely encircling the contents of the box, said liner being of such construction that it will overlap a portion of itself, said overlapping portion being unsecured.

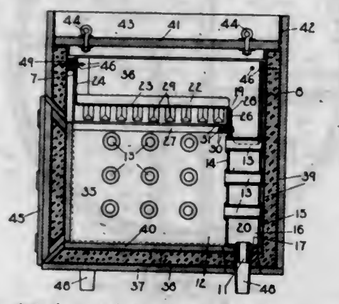
1,633,230. ROTARY BRUSH. HENRY C. SCHLUETER, Cleveland, Ohio, assignor to William Elsey, Detroit, Mich. Filed Aug. 21, 1926. Serial No. 130,670. 4 Claims. (Cl. 15—179.)



1. A rotary brush comprising a plate having an annular rib extending from one side thereof and located within and spaced from the outer edge thereof, tongues

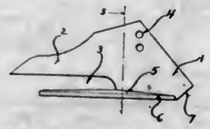
struck from said plate and extending in the opposite direction from said rib, and a brush member comprising a ring and bristles thereon secured by said tongues within the concave seat provided within the said rib.

1,633,231. REFRIGERATOR. HENRY SCHOTT, Longmeadow, Mass. Filed Apr. 14, 1926. Serial No. 101,889. 14 Claims. (Cl. 62—69.)



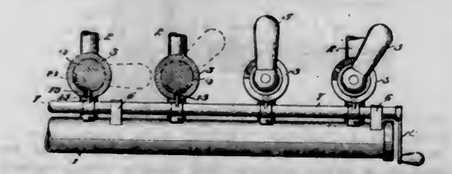
1. An interior casing, of a refrigerator, comprising hollow side and rear sections and a roof section provided with attaching means whereby the same are held together to form the top and three sides of a cooling chamber, and tubular members extending transversely of said side and rear sections, opening at their inner ends into said chamber, and closed at their outer ends.

1,633,232. CULTIVATOR BLADE. AUGUST D. SIEVERS, Somers, Wis. Filed Aug. 21, 1926. Serial No. 130,695. 2 Claims. (Cl. 97—206.)



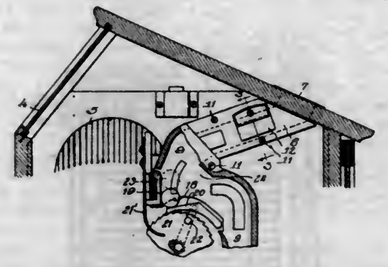
1. A cultivator blade comprising a vertical blade having a forwardly extending portion and having a relatively long rearwardly extending tail guard provided with a cut-away lower portion, a cutter blade extending laterally from said vertical blade, said cutter blade having a downwardly slanting body portion and having a rearwardly slanting cutting front edge, said tail guard having a lower edge spaced upwardly above the cutter blade, whereby said cutter blade will break earth and the vertical blade will guard the plant from damage while the flat cutaway portion of the tail guard will permit the passage therethrough of only relatively fine powdered earth.

1,633,233. LOCK FOR GAS-STOVE VALVES AND OTHER VALVES. CALVIN SMITH, Somerville, N. J. Filed Jan. 28, 1926. Serial No. 84,369. 6 Claims. (Cl. 126—42.)



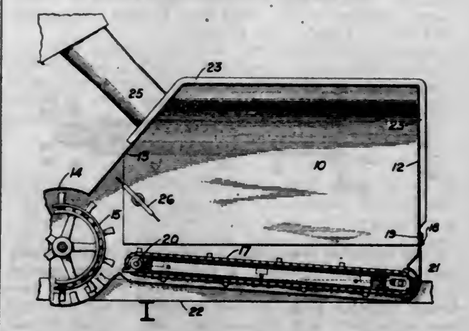
1. A lock for gas stove valves comprising a rotary shaft, means for operating said shaft, a plurality of valves, and a plurality of members mounted on said shaft for independent movement on said shaft for locking said valves.

1,633,234. COIN CHUTE. PERCY C. SMITH, Chicago, Ill., assignor to John F. Meyer, Chicago, Ill. Filed Apr. 2, 1924. Serial No. 703,639. 1 Claim. (Cl. 194—102.)



A coin chute, comprising a grooved member, a projection on the inner side of said member at the top thereof to space the upper edge of the grooved member from a support and maintain said member in an inclined position, a cover plate on the inclined side of said member and having an opening therein, and interchangeable plates on the inclined side of said cover plate and cooperating with said opening to vary the size thereof and to permit coins of improper size to fall therethrough.

1,633,235. FEEDER MECHANISM AND HOUSING FOR COMBINED HARVESTERS. LOWELL H. THORN, Stockton, Calif., assignor, by mesne assignments, to Western Harvester Co., San Francisco, Calif., a Corporation of California. Filed May 1, 1924. Serial No. 710,423. 7 Claims. (Cl. 130—1.)

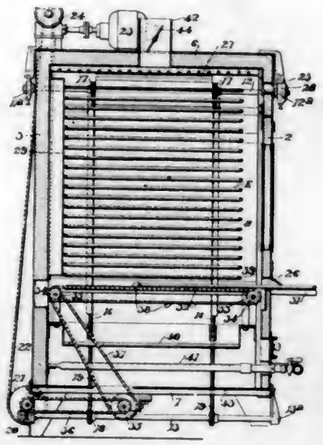


1. In a combined harvester having header and thresher mechanism, a housing for the thresher mechanism, an endless conveyer for feeding grain from the header to the thresher mechanism, a conveyer housing receiving the conveyer, and a feed house overlying the feed conveyer and mounted upon the conveyer housing and connected with and forming a continuation of the thresher housing and having one side open for the admission of grain from the header mechanism, said feed house being formed with a back side curving gradually into a top or roof portion.

1,633,236. BAKING OVEN. ARTHUR E. TROIEL, Berkeley, Calif. Filed Sept. 4, 1923. Serial No. 660,737. 7 Claims. (Cl. 198—163.)

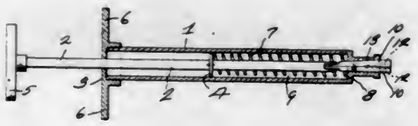
1. A carrier of the character described comprising a pair of opposed interspaced carriers, each carrier consisting of interspaced endless sprocket chains supported

by upper and lower sprocket gears, a plurality of interspaced supporting lugs on each chain, the lugs on the respective chains aligning horizontally and forming a plurality of four point supports, means for driving the



chains in unison, and a pan receiving and temporary supporting device rotating in unison with the sprocket gears and automatically delivering the pans one by one to the supporting lugs on the chains.

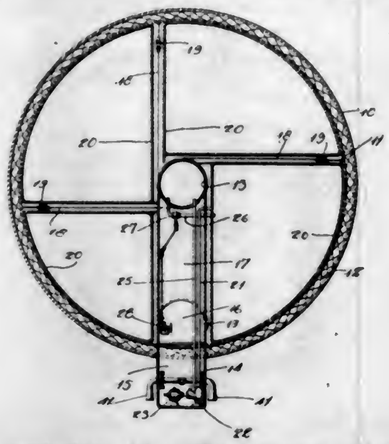
1,633,237. VALVE-PIN EXTRACTOR. JAMES G. WHITLOW, Cornelius, N. C. Filed Feb. 7, 1923. Serial No. 617,501. 1 Claim. (Cl. 81—3.)



A pin extractor comprising a cylinder, a shaft slidably mounted in said cylinder, a reduced extension carried by one end of said cylinder and having a tapered bore therein, gripping jaws disposed in said tapered bore and cooperating with said tapered bore when moved therein by the shaft, a spreader spring between said tapered jaws, said tapered jaws being segmentally shaped in transverse cross section, the inner ends of said jaws having flattened reduced portions, spaced arms carried by the shaft and between which the reduced portions of the jaws are disposed, said reduced portion of the jaws being disposed between said arms, a pin extending through the arms of the shaft, and on which the jaws are pivotally mounted, said shaft arms upon extreme outer movement of the shaft and jaws cooperating with the outer sides of the reduced portions of the jaws whereby the spreading apart of the jaws is limited when said jaws are in extreme outer position.

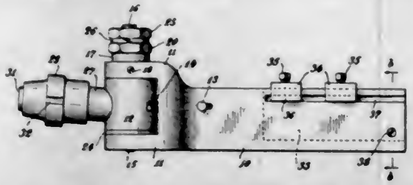
1,633,238. DIRIGIBLE BALLOON. FRED H. BASSETT, Washington, D. C. Filed Oct. 31, 1925. Serial No. 66,064. 4 Claims. (Cl. 244—6.)

2. In a dirigible balloon, a double shell consisting of spaced inner and outer shells, partitions extending across said inner shell adjacent the ends thereof to provide a forward compartment, a central compartment, and a



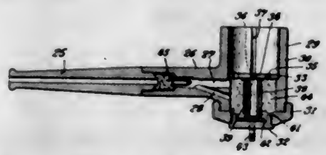
rear compartment, and a tubular backbone forming a tank for compressed levitating gas and extending between said partitions.

1,633,239. TOOL HOLDER. HUGO BLIDSOE, New York, N. Y. Filed Oct. 9, 1925. Serial No. 61,393. 4 Claims. (Cl. 29—98.)



1. A tool holder as described, comprising in combination with the turnable head thereof, a vertical axle formed with said head, a bushing for rotatably receiving said axle, a collar on said bushing having a depression on one of its faces, and gear cuts on said face, a coil spring in said depression, means for retaining said axle in said bushing, and a means co-operating with said collar and spring for permitting the exertion of a turnable movement on said axle and head.

1,633,240. PIPE AND CIGAR HOLDER FOR THE PURPOSE OF ELIMINATING THE NICOTINE. HUGO BLIDSOE, New York, N. Y. Filed Apr. 13, 1926. Serial No. 101,618. 1 Claim. (Cl. 131—12.)



A pipe, comprising a mouthpiece adapted to be inserted in a lower member, said member being formed with a seat for a detachable chamber having a tube integrally connected thereto, said tube being tapered into a sharp end point and having perforated walls to admit the smoke; the said lower member being provided with two tubes leading into a pipe, the head of said pipe com-

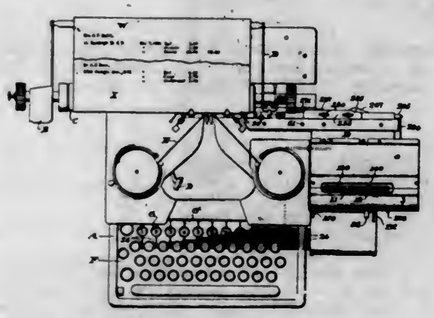
prising three sections, an upper larger one, having a circular shoulder located intermediate thereof, and adapted to support a disc, provided with apertures, an enlargement on said disc and a corresponding recess in the head of the pipe to permit of an up and downward sliding movement of said disc, an extensible telescopic tube, having its upper endpiece integrally attached to said disc and means for locking said tube members together when in extended position; a middle section screwed into said upper section and forming a chamber with said disc, said chamber being filled with an absorbent substance; and a bottom section screwed into said middle section and adapted to support a flange on said extensible tube when the latter is in collapsed position.

1,633,241. ARTIFICIAL TOOTH. GILDEROY O. BURLEW, Newark, N. J. Filed Apr. 3, 1926. Serial No. 99,435. 1 Claim. (Cl. 32—9.)



An artificial tooth having a transparent lingual surface, a cervical surface and a flat substantially vertical backing surface interposed between the two said surfaces, said backing surface being provided with a recess and a flat substantially vertical backing plate provided with a straight angularly projecting pin rectangular in cross section to loosely engage the said recess, the pin projecting through and beyond the rear surface of the plate, the flat surface and loose fit of the pin permitting lateral and rotary adjustment.

1,633,242. ADDING ATTACHMENT FOR TYPEWRITING MACHINES. GUSTAVE O. DEGENER, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 10, 1924. Serial No. 736,896. 119 Claims. (Cl. 235—59.)



1. In a combined typewriting and computing machine, the combination of a travelling carriage, a computing attachment comprising a travelling register, a detent geared to said register, and a slidable pick up dog on the carriage for engaging said detent at a certain predetermined point and thereby connecting the carriage and the register.

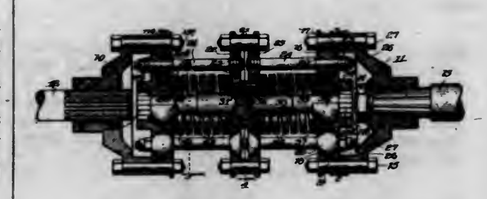
21. In a computing machine, the combination of a register, a train of gearing for operating the same, a key for operating the train of gearing, full stroke mechanism associated with a member of said train of gearing, and two keys for disabling the full stroke mechanism.

47. In a computing machine, the combination of a register, a key, a train of connections between the key and the register comprising a gear, a unit pinion normally out of register with said gear, a unit pinion pawl, means operated by the initial movement of the gear to cause the pawl to engage the pinion to properly position the same, and means operated immediately following by the gear to move the pinion into register with the gear.

103. In a combined typewriting and computing machine, the combination of a travelling register, positive means for returning the register to home position, and means for preventing rebound thereof comprising a rotating disk having a radial face and a lever having a tooth brought momentarily into engagement with said face when the register reaches home position.

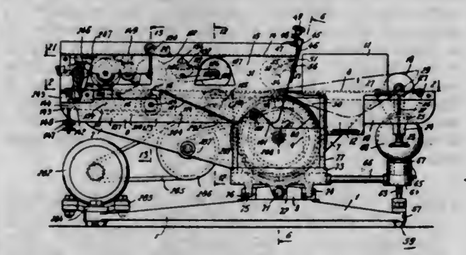
116. In a computing machine, the combination of a travelling totalizer, error check mechanism, and means whereby the error check mechanism is rendered operative by a movement of the totalizer to clearance position and becomes effective at the beginning of a clearing operation.

1,633,243. FLEXIBLE COUPLING. GEORGE F. ECKART, South Bend, Ind., assignor to George A. Chritton, trustee. Filed Oct. 8, 1925. Serial No. 61,235. 4 Claims. (Cl. 64—96.)



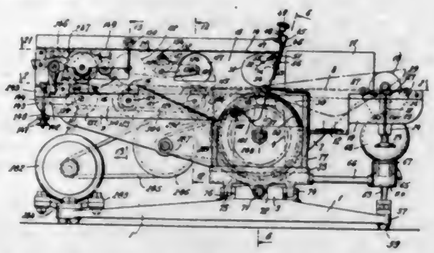
1. In a flexible coupling, end and central flanges, a shaft secured to the central flange and flexibly connected to the end flanges, a series of tension members spaced about said shaft and flexibly connecting said flanges, and springs tending to force said flanges apart.

1,633,244. ENVELOPE-SEALING MACHINE. JOHN W. ESKHOLME, Glen Ridge, N. J., assignor to Red Star Appliances, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 9, 1925. Serial No. 14,045. 19 Claims. (Cl. 120—6.)



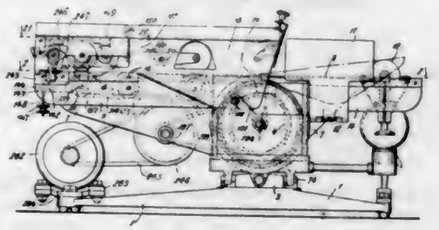
1. In a machine of the character described, the combination of a moistening device having a well for liquid and a fountain of the constant level type for replenishing the liquid in such well, said fountain having a cup with an air inlet and a separate water outlet, and an inverted water bottle with its mouth below the level of said air inlet, said bottle being removable for replenishing and having a reversible soft rubber check valve therein, substantially as described.

1,633,245. STAMP-CANCELING MACHINE. JOHN W. ESKHOLME, East Orange, N. J., assignor to Red Star Appliances, Inc., New York, N. Y., a Corporation of Delaware. Original application filed Mar. 9, 1925, Serial No. 14,045. Divided and this application filed Nov. 17, 1925. Serial No. 69,593. 7 Claims. (Cl. 101—235.)



4. In a machine of the character described, a pair of driven sealing rolls and a printing drum, a driven lower roll co-operating with said printing drum, means for successively feeding envelopes between said sealing rolls, said lower roll being driven at a higher peripheral speed than said sealing rolls, and said sealing rolls being driven through an overrunning clutch, whereby said envelopes may be rapidly withdrawn from said sealing rolls by said printing drum.

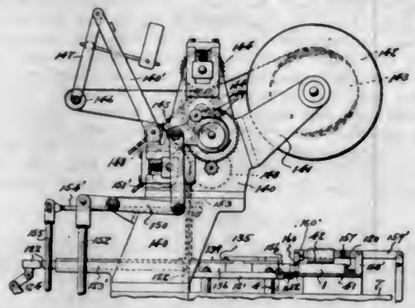
1,633,246. STAMP-CANCELING MACHINE. JOHN W. ESKHOLME, East Orange, N. J., assignor to Red Star Appliances, Inc., Stamford, Conn., a Corporation of Delaware. Original application filed Mar. 9, 1925, Serial No. 14,045. Divided and this application filed May 29, 1926. Serial No. 112,487. 8 Claims. (Cl. 101—235.)



1. In a machine of the character described, the combination of a stationary shaft, a sleeve on said shaft, a pulley fixed to said sleeve, a printing drum journaled on said sleeve and having a frictional engagement therewith, a power driven lower roll having a driving connection with said pulley, means for holding said printing drum stationary with respect to said sleeve, means for at times releasing said holding means, and a rubber faced flange on said printing drum for at times establishing a driving connection between said drum and said lower roll.

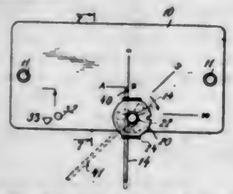
1,633,247. MECHANISM FOR LINING CARTONS. HARRY L. EVANS and GEORGE I. HOHL, Newport, R. I., assignors to Cartoning Machinery Corporation, Newport, R. I., a Corporation of New Jersey. Original application filed July 10, 1924, Serial No. 725,177. Divided and this application filed Jan. 28, 1926. Serial No. 84,308. 15 Claims. (Cl. 93—36.)

1. A mechanism for pre-forming and inserting linings into cartons, comprising a reciprocable mandrel, tucking and folding elements intermediate which said mandrel reciprocates, means for supplying lining material intermediate said mandrel and said tucking and folding elements, means for holding the cartons with their open ends directed toward said mandrel, a stationary spreader finger for engaging and deflecting one side tab of the open carton end out of the path of the mandrel, a movable



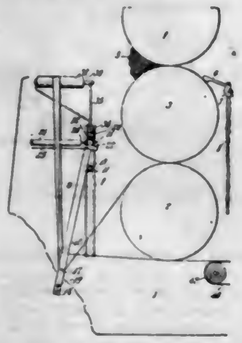
spreader means for engaging and deflecting the opposite side tab of the open carton and out of the path of the mandrel after the carton is disposed in lining receiving position.

1,633,248. BUS-BAR BENDER. FREDERICK W. GEISSENHAINER, Freehold, N. J., and MATTHEW S. CUMNER, Brooklyn, N. Y., assignors to Nestor Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 5, 1924. Serial No. 696,951. 6 Claims. (Cl. 153—45.)



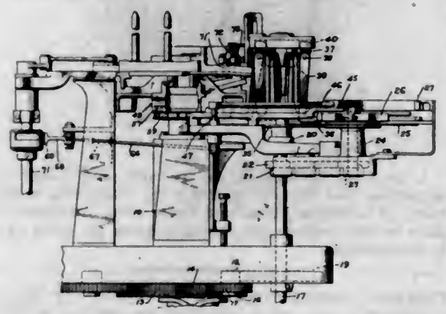
1. In a bending device, a base plate, a round pin projecting upwardly therefrom, a lug on said plate spaced from said pin a distance substantially equal to the width of the material to be bent and a tool provided with a flat portion having an opening for receiving said pin and having a lug depending therefrom and similarly spaced from said opening and engageable with the element to be bent.

1,633,249. ATTACHMENT FOR CALENDERS. NATHAN R. GOODWIN, Trenton, N. J. Filed Feb. 7, 1923. Serial No. 617,527. 5 Claims. (Cl. 154—1.)



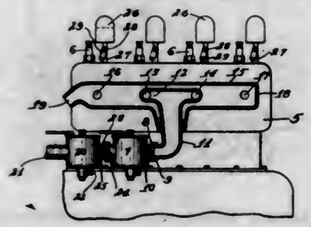
1. An attachment for calenders comprising, a freely rotatable roll for receiving tread strips from a calender, another freely rotatable roll for superposing such strips upon each other and compacting them without otherwise applied pressure, said rolls being actuated by the movement of the strips in contact therewith, and means for delivering said superposed strips to a desired point, said delivering means serving to pull upon the strips for causing them to actuate the rolls.

1,633,250. CAN-CAPPING MACHINE. HENRY L. GUENTHER, Los Angeles, Calif. Filed July 8, 1925. Serial No. 42,237. 11 Claims. (Cl. 113—14.)



1. A device for feeding cans and caps to a rotary turret high-speed double seaming machine, comprising a cap feed device, means for timing cans with relation to each other and carrying them through the feeding device and to the double seaming machine at a gradually accelerated rate of speed while passing the cap feed device, and automatically operated means in the path of travel of the cans separately and successively operated by the traveling cans causing actuation of the cap feed device when engaged by a can.

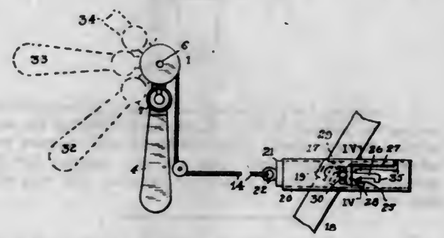
1,633,251. INTERNAL-COMBUSTION ENGINE. NICHOLAS L. HEINZ, Walworth, Wis.; Elizabeth S. Heinz administratrix of said Nicholas L. Heinz, deceased. Filed Sept. 29, 1922. Serial No. 591,404. 1 Claim. (Cl. 123—25.)



In a device of the class described, in combination, means for atomizing hydrocarbon fuel, means for atomizing water, means for delivering said atomized fuel and water into a common chamber, said chamber diverging in the direction of path of travel of the mixture, means for heating said chamber to expand and gasify said atomized fuel and water, means for delivering said gasified mixture into an internal combustion engine and means for relieving the compression of a unit charge of said mixture, said means including a chamber in communication with said cylinder.

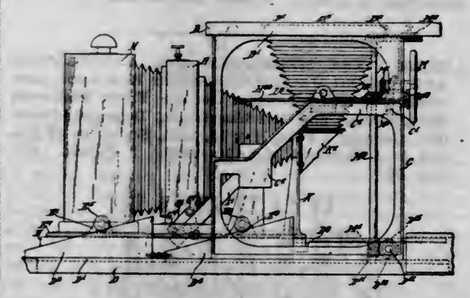
1,633,252. SIGNALING APPARATUS FOR MOTOR VEHICLES. SMITH A. HOOD, Rices Landing, Pa. Filed Nov. 10, 1924. Serial No. 748,870. 1 Claim. (Cl. 74—39.)

In combination, an operating mechanism for motor vehicle signals, comprising a cylindrical casing being adapted to be fixed to the steering column of the vehicle and disposed horizontally to extend longitudinally relatively to the vehicle, said casing being closed at its rear end and open at its forward end, said cylinder formed with a plurality of parallel disposed slots of different lengths extending longitudinally and opening at their forward ends into a common aperture, said aperture converging toward its forward end, a slide member mounted in said casing and longitudinally and rotatably shiftable in the latter, a laterally disposed operating handle provided with a shank, said shank extending through said aperture and fixedly secured to said slide member, said slide member normally disposed in the forward end of



said casing, a spiral spring mounted in said casing and engaging the rear end of the said slide member and the rear end of the casing for normally maintaining said slide member in the forward end of the said casing, each of said slots having its rear end formed with a right angularly disposed slot portion, said shank adapted for travel in each of said slots for retracting said slide member in said casing and for engagement in associated slot portions for maintaining said slide member in the retracted position in said casing, and a flexible member secured to the forward end of said slide member and being adapted to be attached to the vehicle signal, substantially as described and for the purpose set forth.

1,633,253. PROJECTION TRACING TABLE. LODEWYK J. R. HOLST, Brookline, Pa., assignor to Brock & Weymouth, Incorporated, Philadelphia, Pa., a Corporation of Delaware. Filed June 23, 1925, Serial No. 39,002. Renewed Dec. 9, 1926. 2 Claims. (Cl. 88—24.)



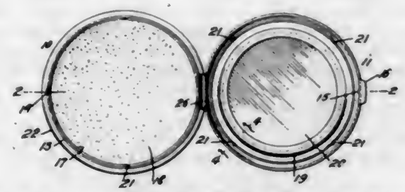
1. A scale adjusting projector and tracing table for photographic views comprising a substantially horizontal transparent support for a tracing, coincident with the anterior focal plane of said projector, a lens having its axis substantially horizontal and below said transparent support, a substantially vertical horizontally movable plate holder adapted to hold the photographic views in the posterior focal plane of the projector, and a reflector adapted to reflect the view upward, in combination with automatic focusing means whereby the anterior focal plane is maintained in the top surface of said horizontal transparent support for all scale adjustments of said projector.

1,633,254. FIRE EXTINGUISHER. CHARLES O. JOHNSTON, New York, N. Y., assignor, by mesne assignments, to International Fire Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed July 9, 1926. Serial No. 121,334. 11 Claims. (Cl. 169—26.)



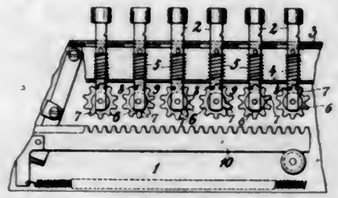
1. A support for grenade fire extinguishers comprising a supporting member having a loop for suspending the supporting member and a ring carried by said member and adapted to encircle and form the sole support for the grenade and a fusible connection between said ring and said member.

1,633,255. ARTICLE-CONTAINING CASE. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y. Filed Feb. 18, 1926. Serial No. 89,021. 11 Claims. (Cl. 132—83.)



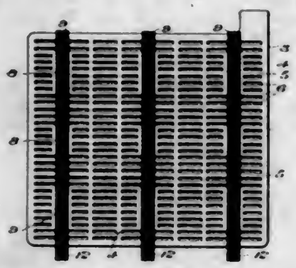
1. In a device of the character described, two sections, one of which is provided with a substantially solid bead having a slot extending along the same, a pintle at the outer side of the slot and formed by the margin of the bead thereat, and the other of which sections is provided with a knuckle which receives said pintle, whereby a hinge-joint is provided between said sections.

1,633,256. KEY MECHANISM FOR CALCULATING AND ADDING MACHINES. AUGUST KOTTMANN, Sommerda, Germany, assignor to the Firm: Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed May 12, 1925, Serial No. 29,673, and in Switzerland Mar. 20, 1925. 2 Claims. (Cl. 235—60.)



1. An actuating mechanism for calculating machines, comprising, in combination, a key, an operating member, a gear carried by said key for engagement at will with said operating member to be rotated thereby, and a projection on said gear located thereon in accordance with the value of said key and co-operating with said key to limit the rotation of said gear.

1,633,257. STORAGE BATTERY. FRANK T. LAHEY, Akron, Ohio. Filed May 5, 1922. Serial No. 558,641. 7 Claims. Cl. 136—151.)

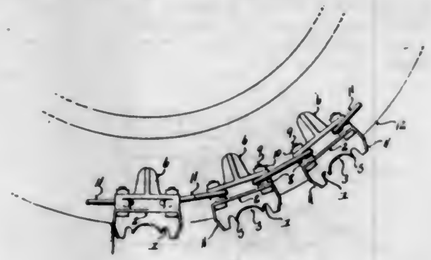


1. In a storage battery, an electrode, and means for supporting said electrode within a jar comprising a plurality of insulating strips said strips being vulcanized in place on the electrode and extending below the lower edge of the electrode.

1,633,258. REFRACTORY METAL ALLOY OF HIGH DENSITY AND HIGH MELTING POINT AND METHOD OF MAKING THE SAME. CLEMENS A. LAISE, Haworth, N. J. Filed Oct. 8, 1925. Serial No. 61,164. 10 Claims. (Cl. 75—1.)

1. A metallic body comprising a porous compressed mass of tungsten and a decomposed nitride of refractory metals, and a base metal filling the pores of said mass.

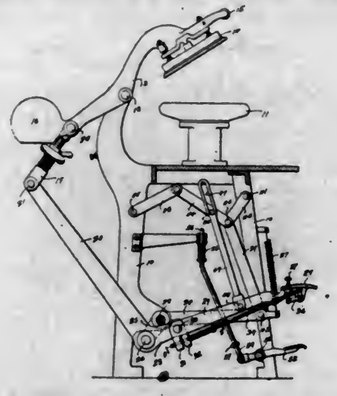
1,633,259. PROPULSION LINK FOR ENDLESS TRACTION BELTS. ADOLPH L. LANGENFELD, New Holstein, Wis. Filed Mar. 5, 1927. Serial No. 173,104. 2 Claims. (Cl. 305—20.)



1. In a traction belt structure, the combination of a plurality of tread pieces each having a downwardly arched body portion provided with a central opening and having a wheel-engaging guide lug located at opposite sides of the tread piece, each guide lug having anchor posts contacting with the body of the tread piece, and links joining successive tread pieces and looped around the posts of the guide lugs.

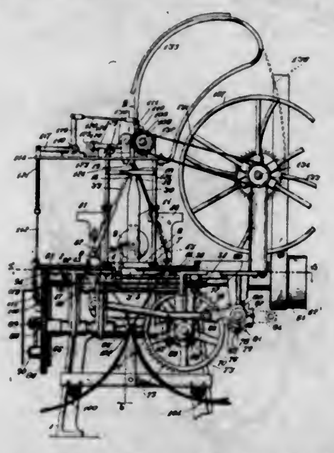
1,633,260. PRESS. JAMES C. LEDBETTER, Brooklyn, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,742. 19 Claims. (Cl. 68—9.)

1. A pressing machine comprising in combination, co-operating pressing members, means embodying a toggle which when straightened sets up an initial press closing motion to bring the members into contact, a treadle lever, means actuated by said treadle lever during the initial depression thereof for straightening the toggle, means comprising a horizontal lever disposed parallel to the treadle lever for exerting an endwise thrust upon



the toggle during further depression of the treadle lever, and means actuated by the treadle lever to operate the horizontal lever.

1,633,261. REED-BRAID-MAKING MACHINE. MARSHALL B. LLOYD, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed May 14, 1924. Serial No. 713,201. 28 Claims. (Cl. 139—11.)

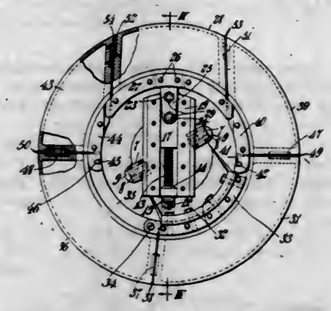


1. A reed braid making machine embodying therein means for shifting a plurality of aligned but spaced stakes to opposite sides of a neutral plane, and means for winding a strand in enveloping relation so that it passes back and forth and over and under the stakes, said stake shifting means operating to pack the strand in place.

1,633,262. VEGETABLE SEA-GROWTH DERIVATIVE AND A METHOD FOR THE PREPARATION THEREOF. GEORGE F. MEEHAN, Far Rockaway, and ARTHUR L. KENNEDY, New York, N. Y., assignors, by mesne assignments, to Kel-Plastic Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 18, 1924. Serial No. 693,518. 3 Claims. (Cl. 252—1.)

1. A process for the preparation of a derivative from vegetable sea growth, which comprises treating vegetable sea growth with a solution containing a mineral acidic agent capable of converting the natural complex carbohydrates into less complex carbohydrates, and then adding a precipitant to the solution thus obtained.

1,633,263. COLLAPSIBLE CORE AND CHUCK. LESTER A. MORELAND, Trenton, N. J., assignor to The de Laski & Thropp Circular Woven Tire Company, Trenton, N. J., a Corporation of New Jersey. Filed Jan. 13, 1923. Serial No. 612,415. 3 Claims. (Cl. 154—9.)



1. A collapsible core and chuck adapted for use in the manufacture of tires of relatively large cross section and with inextensible beads including, hinged segments, a plurality of segments hinged to said first-named segments while in engagement with the tire but freely removable upon being swung in the plane of the core out of such engagement, a segment adapted to slide between said last named segments in the plane of the core for disengaging it from the tire and then to be removed from engagement with the other segments by a movement in a substantially axial direction to permit the swinging and removal of said freely removable segments, and means located without the plane of the core for effecting the radial movement of said sliding segment.

1,633,264. PET-COCK AND PRIMING-CUP CLEANER. GEORGE T. MORRIS, Missoula, Mont. Filed Dec. 2, 1925. Serial No. 72,627. 1 Claim. (Cl. 137—70.)

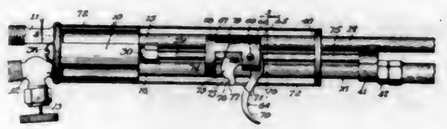


In combination with a pet cock having a duct therethrough, a cleaning device of the kind described, comprising an ear mounted upon the end of the pet cock so as not to obstruct the mouth of the orifice thereof; a U-shaped cleaning element having one stem slidingly engaging the duct of the cock while an exterior stem is slidably supported by the said ear at the end of the cock, the extremity of the said exterior stem being formed into a stop adapted to engage the said ear; a set collar mounted upon the bight of the U-shaped element; and a coil spring encircling the exterior stem of the said U-shaped element between the said collar and the said ear and adapted normally to partially withdraw the U-shaped element from the pet cock.

1,633,265. TORCH. GEORGE A. MORRISON, Park Ridge, Ill., assignor to Torchweld Equipment Co., Chicago, Ill., a Corporation of Delaware. Filed July 3, 1926. Serial No. 120,418. 12 Claims. (Cl. 251—132.)

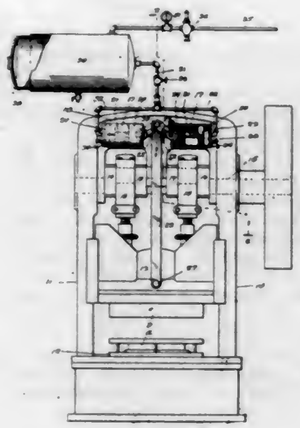
6. In a gas-burning device comprising a fluid-passage-equipped member, a shell surrounding said member and containing a slot, and a valve controlling said passage

and yieldingly forced in one direction, means for controlling said valve comprising a pivoted lever extending through said slot and having a cam surface for engage-



ing said valve, said lever having a stop-forming portion adapted to engage said valve and operating to prevent said lever from striking the end wall of said slot.

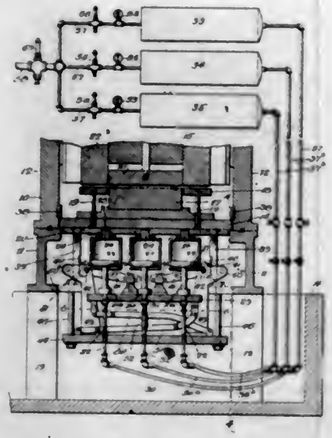
1,633,266. POWER EQUALIZER FOR POWER PRESSES. JOHN NELSON, Chicago, Ill. Filed June 14, 1926. Serial No. 115,784. 12 Claims. (Cl. 113—38.)



1. The combination with a stationary press member and a movable press member which is movable between two extreme positions, of fluid pressure means mounted on one of said members, and power transmitting means for transmitting pressure from said fluid pressure means to the movable press member, and including a multi-directional force transmitting member connected to the other member of the press and operating it to increase the pressure of said pressure means during the first portion of the movement of the movable press member from extreme position to another, and operating during remainder of said movement of the movable press member, to transmit pressure from said pressure means to said movable press member.

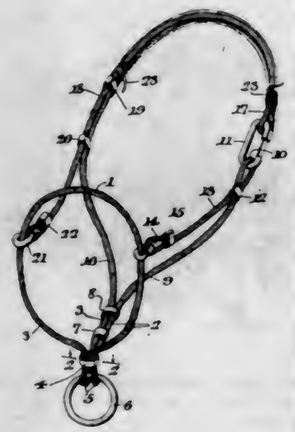
1,633,267. CUSHIONING MEANS FOR POWER PRESSES. JOHN NELSON, Chicago, Ill. Filed June 14, 1926. Serial No. 115,785. 19 Claims. (Cl. 113—46.)

1. In a power press, the combination with the bolster and ram members of a press, of means to resist breaking down of the press under abnormal pressure between the bolster and ram members and comprising fluid pressure operated cushioning means having one element thereof connected to one of said members and acting to unyieldingly hold said member in fixed position against a maximum predetermined pressure between said members,



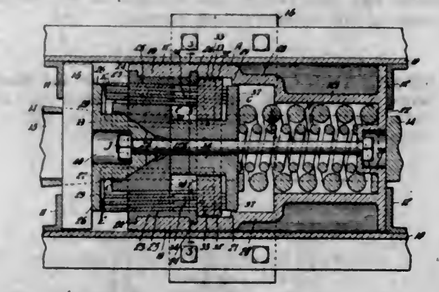
but capable of yielding when said member is subjected to an abnormal pressure by the other member in excess of said maximum predetermined pressure.

1,633,268. HALTER. PAUL D. NELSON and BERT C. LAMMERS, Venango, Nebr. Filed Sept. 10, 1926. Serial No. 134,635. 4 Claims. (Cl. 54—24.)



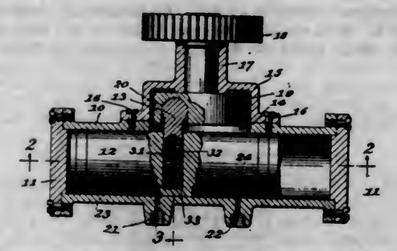
1. A halter formed of a single piece of rope, said rope having a looped portion forming a nose piece, the ends of rope after the formation of the nose piece being bent to form bights, a fastening encircling both bights, a snap fastener, one end of the rope being extended from said bights through the snap fastener and back to one side of said nose piece, the other end of said rope being of greater length and extended from said bights through said snap fastener to form a neck piece and returned on itself to the other side of the nose piece, and fastening means for connecting said ends of the rope to the nose piece.

1,633,269. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 8, 1925, Serial No. 35,701. Renewed Apr. 18, 1927. 7 Claims. (Cl. 213—33.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having interior curved friction surfaces; of a follower, said shell and follower being relatively movable toward and from each other; two groups of curved friction plates disposed at opposite sides of the mechanism and co-operating with the friction surfaces of the shell, said two groups of plates being movable as a unit during relative movement of said shell and follower; means for arresting movement of certain of said plates of each group after a predetermined portion of the compression stroke to compel the remaining plates to move relatively thereto; a main spring resistance; and lateral pressure-creating means interposed between said two groups of plates for placing the same under lateral pressure upon relative movement of said shell and follower.
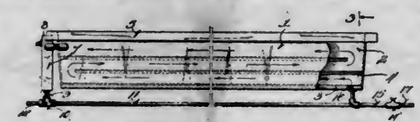
1,633,270. COMPRESSION PUMP. OSWALD A. OLSEN, Bridgeport, Conn. Filed Aug. 28, 1925. Serial No. 53,080. 5 Claims. (Cl. 230—34.)



1. A compression pump comprising a cylinder having an induction port and an eduction port, a piston in said cylinder, and means for reciprocating and oscillating the piston in said cylinder, the piston having an induction port communicating with one end of the cylinder and adapted to communicate with the induction port of the cylinder, and also having an eduction port communicating with the opposite end of the cylinder and adapted to communicate with the eduction port of the cylinder during the whole period while the induction ports of the cylinder and piston before mentioned are in communication.

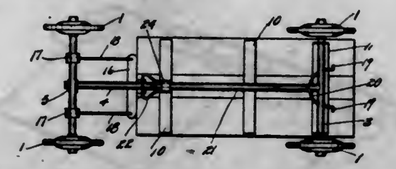
1,633,271. VAT. CHARLES PAULY, Port Washington, Wis. Filed May 14, 1925. Serial No. 30,388. 1 Claim. (Cl. 257—208.)

A vat comprising an outer shell having inlet and outlet apertures at opposite ends, and an inner pan removably positioned within and spaced from said outer shell, said removable pan having a plurality of longitudinally extending angle irons having vertical flanges resting upon the bottom of the outer shell and having horizontal flanges secured to the under side of the removable pan and having a plurality of longitudinally extending angle irons secured by means of their flanges to the sides of said pan and having the other flanges of such last mentioned angle irons contacting with the sides of the shell,



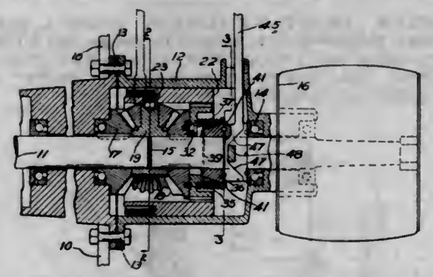
said angle irons being alternately spaced from the ends of the outer shell, whereby a tortuous channel is provided from the inlet opening in the vat to the outlet opening, said pan having a reenforcing outwardly projecting marginal portion extending completely around its upper edge, whereby said pan may be freely grasped and manipulated by means of the reenforced marginal portion.

1,633,272. COASTER WAGON. ALEXIS R. PRIBIL, Saginaw, Mich. Filed Sept. 27, 1924. Serial No. 740,245. 2 Claims. (Cl. 280—87.5.)



1. A non-tipable coaster wagon comprising front and rear axle members, a tubular longitudinally extending brace integral with the rear axle, a body mounted on said rear axle and secured to said tubular brace to the rear of the front axle, a yoke pivotally mounted on the front axle and to which said brace is pivotally connected, resilient clips frictionally secured to the front axle and loops formed in said clips to which a draft handle is adapted to be detachably secured.

1,633,273. POWER TAKE-OFF DEVICE FOR TRACTORS. PHILIP RAIMER, JOSEPH B. RAIMER, and EDWARD A. ROLFS, Maple Heights, Ohio. Filed Mar. 31, 1924. Serial No. 703,040. 3 Claims. (Cl. 74—34.)



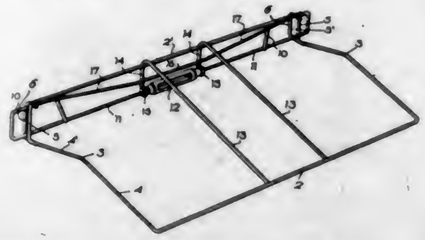
1. The combination with a tractor frame having an opening therein, of a housing having a cylindrical interior removably secured to the frame adjacent the opening, a driving shaft, an aligned driven shaft mounted in the housing, a reversing mechanism connecting the driving and driven shafts and comprising gears on each of them, an axially rotatable member between the gears carrying pinions meshing with them, a sleeve carrying said rotatable member journalled in the cylindrical interior of the housing, and a brake band operating in a recess in the sleeve.

1,633,274. WIRE BRUSH. GEORGE RASMUSEN, Jr., Winnetka, Ill. Filed Mar. 6, 1925. Serial No. 13,540. 3 Claims. (Cl. 15—198.)



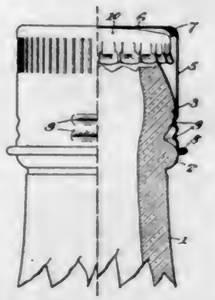
3. A wire tuft formed into two legs, the individual bristles of each leg crossing and intermeshing with the bristles of the opposite leg at a definite point between the ends of the tuft and beyond said point again being bent to extend in the same general direction.

1,633,275. AWNING FOR WINDOWS. RALPH W. RICHARDS, Atchison, Kans. Filed Sept. 15, 1926. Serial No. 135,595. 3 Claims. (Cl. 156—15.)



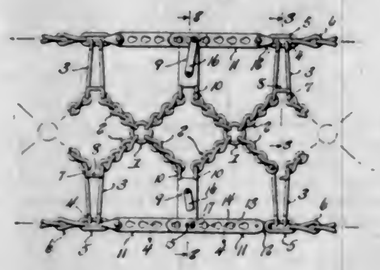
1. In a window awning, a rod-metal shade supporting framework comprising a main frame having forward and rear horizontal rods and side rods the latter having each spaced vertical arms forming a guideway, an endwise extensible sectional rod having at each end a vertical reversely bent portion working in said guideway the sections of said rod having an adjustable connection, collars slidable upon the rod sections, and intermediate brace rods for the main frame having vertical arms connected to said collars and bracing said threaded sections.

1,633,276. RECEPTACLE CLOSURE. ROBERT A. RUSSELL, Ridgewood, N. J., assignor to Paragon Can & Cap Company, Inc., Paterson, N. J., a Corporation of New York. Filed May 19, 1926. Serial No. 110,178. 2 Claims. (Cl. 215—38.)



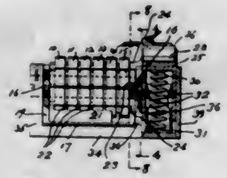
1. A sheet metal receptacle closure including a cylindrical body portion provided with a plurality of sets of horizontally disposed elongated indentations spaced from the top of said body portion, the indentations of each set forming on the inside of the body portion ridge-like projections adapted to engage the wall of a receptacle to hold the closure removably in place thereon, the distance between adjacent indentations of each set being not greater than substantially one twentieth of the circumference of said cylindrical body portion.

1,633,277. TIRE CHAIN. EDWARD A. RYAN and FREDERICK L. MARKSMAN, Milwaukee, Wis. Filed Feb. 23, 1924, Serial No. 694,727. Renewed Mar. 18, 1927. 2 Claims. (Cl. 152—14.)



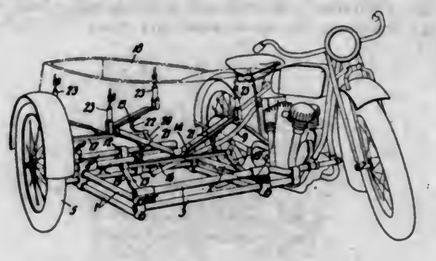
1. A tire chain comprising a pair of side chains, a pair of apertured straps joined to the ends of each of said side chains and adapted to be arranged in overlapping position, a member having a pin adapted to be passed through aligning apertures of said straps, means for retaining said pin in position, and a plurality of anti-skid units interposed between said side chains, one set of units being connected to said member and holding said member in position relatively to said side chains.

1,633,278. TYPOGRAPHIC NUMBERING APPARATUS. WILLIAM E. C. SANDER, Hollis, N. Y. Filed Nov 23, 1923. Serial No. 676,475. 7 Claims. (Cl. 101—88.)



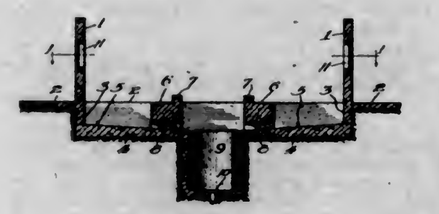
1. A numbering apparatus having a series of type wheels each wheel being provided with a series of ten embossed numerals, serially arranged from zero to nine inclusive; means for rotating said wheels step by step successively, and the movement of each wheel through one space corresponding with one complete revolution of the preceding adjacent wheel; and means for rotating said wheels, said means embodying a rocking member having a pawl for engaging said wheels at intervals equal to the spaces on said wheels, said rocking member swinging external and adjacent to said wheels and centrically thereto, and a resilient plunger for engaging said rocking member to rock same when said plunger is depressed, and a spring closed member for holding said plunger in operating position.

1,633,279. VEHICLE. ANGELO SCALA, Brooklyn, N. Y. Filed Mar. 2, 1926. Serial No. 91,702. 14 Claims. (Cl. 208—45.)



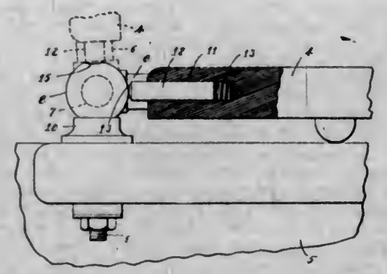
1. A side car for attachment to motorcycles or the like comprising a frame having means to attach it to the motorcycle, and a hub-carrying cross member for the frame adjustable longitudinally thereon independently of said attachment means.

1,633,280. VEHICLE WASHING PIT. JACOB P. NICHOLSON, Chicago, Ill. Filed July 24, 1926. Serial No. 124,598. 3 Claims. (Cl. 72—0.5.)



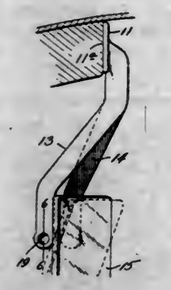
1. A vehicle washing pit comprising spaced opposite walls projecting above the normal floor level, spaced vehicle runways parallel with and interposed between said walls, the upper surfaces of the runways lying in substantially the same plane as the normal level of the floor immediately adjacent thereto, a curb on the upper edge of each runway, the inside surface of each wall projecting below the normal floor level and terminating in the pit floor, and a drain communicating with the pit floor.

1,633,281. TOILET-SEAT-HINGE MOUNTING. EMIL J. NIELSEN, Rockford, Ill., assignor to Phenolic Products Corporation, Rockford, Ill., a Corporation of Illinois. Filed Sept. 22, 1926. Serial No. 136,903. 5 Claims. (Cl. 4—248.)



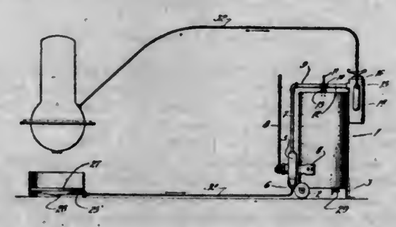
1. The combination with a toilet seat having hinge arms projecting from the back thereof, and posts for hingedly mounting the same on a toilet bowl, of a plunger bore provided in said seat opening on the rearward side thereof in line with one of the aforesaid posts, and a spring-pressed plunger received in said bore and extended therefrom into frictional engagement with said post for yieldingly restraining the seat in its swinging movement to and from lowered position and for retaining the same in raised position.

1,633,282. REAR-VIEW MIRROR. JOHN R. OISHEI, Buffalo, N. Y. Filed May 15, 1924. Serial No. 713,519. 4 Claims. (Cl. 45—97.)



4. In a rear view mirror, a reflecting surface, a bracket having an attaching portion with a forward face adapted to be secured against a transverse part of a vehicle and an outer face, and a pair of rigid drop arms extending from the outer face of said attaching portion downwardly and beneath the latter and terminating in advance of said forward face, said arms being substantially in parallel planes extending perpendicular to the faces of said attaching portion, the lower portion of one arm extending beneath the attaching portion at a greater angle of inclination than the companion arm whereby the former terminates in a vertical plane spaced further from the vertical plane of said attaching portion than the latter arm so that a common pivotal axis through the free ends of said arms will be inclined relative to the plane of said attaching portion, and means for adjustably mounting said reflecting surface on the common pivotal axis whereby the reflecting surface will be supported at an inclination to said attaching portion.

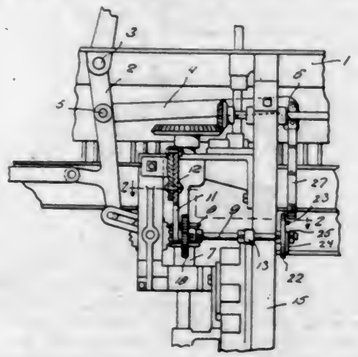
1,633,283. APPARATUS FOR CLEANING CRANK CASES. WILLIAM L. OSBORNE, Los Angeles, Calif., assignor of one-half to A. R. Chandler, Los Angeles, Calif. Filed July 3, 1924. Serial No. 724,089. 6 Claims. (Cl. 184—1.5.)



1. In a portable filling station accessory for cleaning lubricant cases of motor vehicles, the combination with a storage receptacle, a filtering device, a connection for conducting filtered flushing liquid from the device to the lubricant case, means for forwarding used oil withdrawn

from the lubricant case to said storage receptacle, and means for cutting off said forwarding means from said receptacle and connecting said means to said filtering device, said forwarding means being operable to maintain a cyclic circulation of a flushing liquid through the lubricant case, and through the filtering device and said connection back to the lubricant case, the cyclic cleansing circulation of the flushing liquid being maintained isolated from the used oil within the storage receptacle.

1,633,284. STOP MOTION FOR ROVING MACHINES. JOHN H. OWEN, Newberry, S. C., assignor of one-third to Thomas N. Crocker and one-third to Byron V. Chapman, Newberry, S. C. Filed June 28, 1926. Serial No. 119,091. 1 Claim. (Cl. 192—139.)

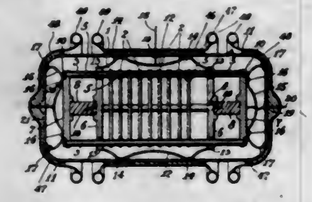


In a stop motion for a roving machine, the combination with the frame, vertical change shaft, and the knock-off lever, of means interposed between the shaft and the lever and operatively connected therewith whereby the lever will be actuated at a predetermined time, said means comprising a horizontally arranged shaft supported on the frame, intermeshing gearing connecting one end of the shaft with said change shaft, a leg depending from the free end of the knock off lever, and rigidly secured thereto, the lower end of the leg being bent laterally to provide a foot, a heel secured at the rear end portion of said foot, means carried by the other end of the horizontally arranged shaft adapted to engage the foot and the heel thereon to move said leg upwardly and operate the knock-off lever, said last mentioned means comprising a disc secured on the horizontal shaft, a pin projecting laterally from the outer face thereof, said foot being disposed adjacent the outer face of the disc at a point above the pin, and a cam loosely mounted on the shaft, said laterally projecting pin adapted to engage the cam for moving the same into engagement with said foot and the heel carried thereby.

1,633,285. HIGH-POTENTIAL ELECTRICAL CONDENSER. JOHN A. PROCTOR, Lexington, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Feb. 1, 1921. Serial No. 441,628. 9 Claims. (Cl. 175—41.)

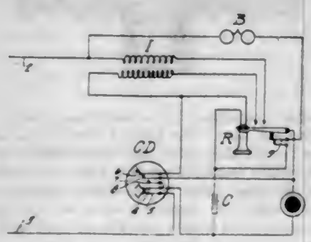
1. An electrical condenser of the vacuum dielectric type which comprises a glass casing for the condenser plates and dielectric, leads from the plates sealed through the glass of the casing; and metallic means mounted outside the casing and connected to the condenser leads and arranged to provide a path for the electric field outside of the casing in order to eliminate dielectric strain.

3. A high duty condenser comprising a supporting frame; a plurality of armatures of substantial superficial area arranged face to face in a stack in spaced relation to one another in said supporting frame; said frame including means for insulating armatures of opposite potential from one another; an hermetically sealed casing including a member consisting of structural insulating material supporting and enclosing said frame and the armatures, the space inside said casing and between



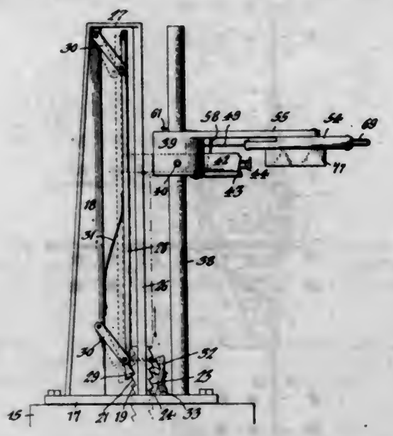
the faces of the armatures being filled with a non-conducting gas at a pressure of the order of a millionth of a millimeter; and terminal leads connected to portions of said condenser stack of high potential difference, said terminal leads being hermetically sealed thru said insulating casing-member.

1,633,286. SUBSTATION TELEPHONE CIRCUITS. ARTHUR J. RAY, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed June 22, 1922. Serial No. 570,229. 10 Claims. (Cl. 179—81.)



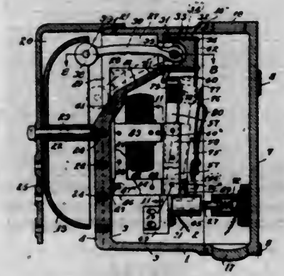
1. In a substation telephone circuit, a transmitter, a receiver, three switch hook contacts adapted to close together when said receiver is lifted, two line conductors terminating, respectively, in two of said switch hook contacts, an induction coil having two windings, a calling device having a pair of control contacts and three shunt contacts, said calling device having a normal position, said shunt springs adapted to make contact with each other when said calling device is turned from is normal position, one winding of said induction coil connected in series with one line conductor, said control contacts and said transmitter connected in series in the other line conductor, a bell and a condenser connected in series, the free terminal of said condenser connected to one of said line conductors, the free terminal of said bell so connected as to afford a direct current path to the exchange from the last named free terminal, a third conductor connected at one end to the junction of said bell and condenser and at the other end to the third of said switch hook contacts, the other winding of said induction coil and said receiver connected in series in said third conductor in the order named counting from the switch hook contact end of said third conductor, and circuit connections such that said other winding and said transmitter are shunted by said shunt contacts when said calling device is turned from its normal position.

1,633,287. DISPENSING APPARATUS. JOHN REUTHER and HOWARD JOHN REUTHER, East Aurora, N. Y. Filed May 11, 1926. Serial No. 108,257. 15 Claims. (Cl. 221—103.)



12. The combination with a gasoline pump including a pump-rod, of a locking element normally engaged with the pump-rod to render the pump inoperative, a combined releasing and stop member for said locking element and pump-rod, respectively, and means for actuating said member.

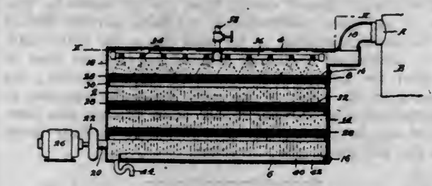
1,633,288. ELECTRIC BELL. LOUIS E. RICHMOND, Cleveland, Ohio, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio, a Corporation of Ohio. Original application filed May 8, 1919, Serial No. 295,688. Divided and this application filed July 24, 1920. Serial No. 398,644. 4 Claims. (Cl. 177—7.)



3. An electric bell, comprising a hollow casing having a vertical front wall, a striker in front of said wall, electro-magnetic means within said casing for operating said striker, a gong protecting apron shield on the casing, and cooperating means spaced on said shield and wall for securing gongs of various sizes to said wall beneath said shield each with a portion thereof properly related to the striker.

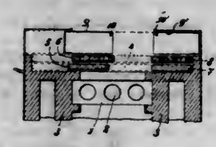
1,633,289. CONDENSER. WILLIAM W. ROBINSON, Kansas City, Mo. Filed Aug. 8, 1924. Serial No. 730,904. 1 Claim. (Cl. 261—98.)

In an apparatus of the character described a chamber having an inlet at its upper portion for connection with the flue of a furnace, an outlet to said chamber near the lower portion thereof, means adjacent to the outlet for creating a draft through said chamber to draw the products of combustion from said furnace, a plurality of spray means extending across the upper portion of the chamber for precipitating therein the volatilised solids in the products of combustion, superimposed trays mounted in said chamber having openings in their bottom portions



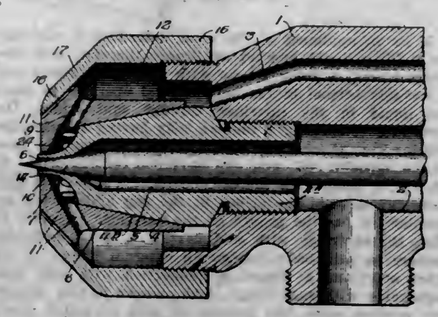
and provided with an agent having an affinity for certain of said solids, an imperforate removable tray resting upon the bottom of the chamber, and drainage means leading from said chamber.

1,633,290. COOKING STOVE WITH THERMOELECTRIC STORAGE. SECONDO SACERDOTE, Milan, Italy. Filed Apr. 15, 1926, Serial No. 102,189, and in Germany Apr. 18, 1925. 3 Claims. (Cl. 219—35.)



1. An electric cook stove, comprising a casing; a cooking chamber therein; heat-storing means disposed in said chamber and provided with internal electric heating elements; and a plurality of protecting plugs disposed immediately above said storage means and movable laterally independently of and relatively to each other, while remaining entirely within the confines of the casing walls, to cover or uncover the upper surface of the storage means.

1,633,291. SPRAY GUN. BERT R. SAUSEN and EINAR E. OLSEN, Chicago, Ill., assignors to Peerless Pneumatic Systems Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1926. Serial No. 134,114. 6 Claims. (Cl. 91—45.)



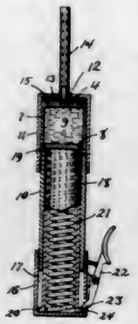
1. In a liquid spraying appliance, a body member having a forwardly tapering portion and a liquid passage extending through and coaxial with the said tapering portion, a cap-like air nozzle having a forwardly tapering bore extending into it from its rear end and tapered to fit the tapering portion of the body member, the air nozzle having an outlet bore coaxial with and leading forwardly from its tapering bore and freely housing the forward end of the tapering portion of the body member, the air nozzle having a forwardly tapering frustro-conical outer wall coaxial with its tapering bore and having

passages leading to its bore from the peripheral portion of the air nozzle behind its said frustro-conical wall; and a retaining collar secured to the body member and having a part thereof spaced from the air nozzle to provide an air space therebetween, the body member having an air passage leading to the said space, the collar having a contracted front end tapered on its rear face to fit upon the frustro-conical wall of the air nozzle; the securing of the collar to the body member being such as to permit relative movement thereof to allow a firm seating of the interfitting tapering parts of the body member, the air nozzle and the collar.

1,633,292. PROCESS FOR REDUCING THE VISCOSITY OF NITROCELLULOSE AND OTHER CELLULOSE ESTERS. STANLEY DE VRIES SHIPLEY, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 14, 1925. Serial No. 15,682. 5 Claims. (Cl. 260—148.)

1. The process of reducing the viscosity of nitrocellulose which consists of heating the nitro-cellulose suspended in an aqueous medium containing a buffer composition capable of maintaining a pH value not exceeding 8.5.

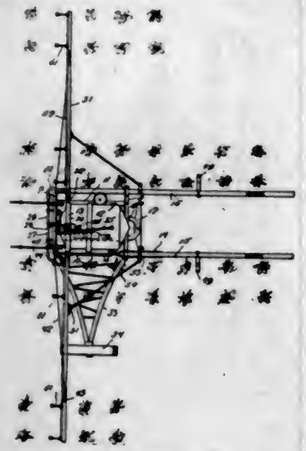
1,633,293. MEDICINE CARTRIDGE AND APPLICATOR THEREFOR. ORVALL SMILEY, Indianapolis, Ind. Filed Sept. 5, 1925. Serial No. 54,642. 3 Claims. (Cl. 128—234.)



1. In an appliance of the class described, a cartridge for holding liquid and an applicator therefor, said cartridge having a grooved head with an orifice therein and a movable bottom in the opposite end operable to expel the liquid in the cartridge through said orifice, the applicator comprising a tubular body having a removable tubular cap at one end and a removable tubular base at the opposite end, said cap having a central orifice in its top; a member in the cap, having a nozzle that projects out through the orifice in the cap and having an annular lip for the groove of the cartridge operable to aline the cartridge with said nozzle; a spring actuated plunger in said body, having an external flange on its lower end; and a trigger in connection with said base engageable with said flange, said plunger having actuating relation with the bottom of said cartridge when released by said trigger.

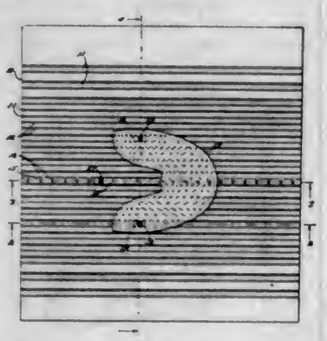
1,633,294. SPRAYING MACHINE. ARTHUR FRANK STUBENBERG, Maunawai, Territory of Hawaii. Filed Feb. 16, 1926. Serial No. 88,602. 8 Claims. (Cl. 299—40.)

1. A device of the class described including, in combination, a main frame, a supporting wheel journaled in said main frame, a cradle structure in said main frame, a tank supported in said cradle structure, an air compressor supported in said main frame and operatively associated with said supporting wheel, a line connecting the air compressor and the tank, a band disposed about the tank, a pair of beams pivotally engaged with the band



on diametrically opposite sides of the tank, pipes extending along the beams and having nozzles projecting therefrom, means connecting the pipes with the tank.

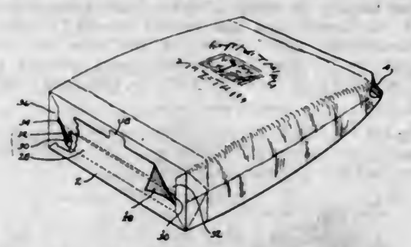
1,633,295. TEMPLATE HOLDER FOR PATTERN-GRADING MACHINES. JOHN H. SUTHERLAND, HOLTON J. SUTHERLAND, and HOLTON M. SUTHERLAND, Swampscott, Mass. Filed July 20, 1926. Serial No. 123,645. 7 Claims. (Cl. 33—23.)



1. A device of the character described having a plate on which a template support may be adjustably mounted, said plate being formed with a plurality of parallel grooves and horizontal flanges projecting into said grooves intermediate the top and bottom thereof in combination with a template support having a part which is slidable in the portion of the groove below said flanges and a part of which is slidable in the portion of the groove above the flanges, and means for clamping a template to said support in its adjusted position.

1,633,296. MULTI-PLY BAG. JOHN N. TOOKER and JOHN F. HARLEY, Canajoharie, N. Y., assignors to Arkell & Smiths, Canajoharie, N. Y., a Corporation of New York. Filed July 28, 1925. Serial No. 46,540. 8 Claims. (Cl. 229—55.)

1. In a multi-ply bag, the combination of two tubes, one fitting within the other and in shingled relation at adjacent ends thereof, said shingled ends having inwardly extending multi-ply end flaps and inwardly extending shingled multi-ply side flaps overlapping said end flaps, one of said multi-ply side flaps overlying the other multi-



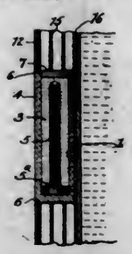
ply side flap, and adhesive independently securing the shingled portions of the several layers of the multi-ply side flap directly to the external layer of the other multi-ply side flap.

1,633,297. CONDUIT-BUSHING WRENCH. WHEELER H. VIBBER, New London, Conn. Filed Aug. 25, 1926. Serial No. 131,332. 4 Claims. (Cl. 81—71.)



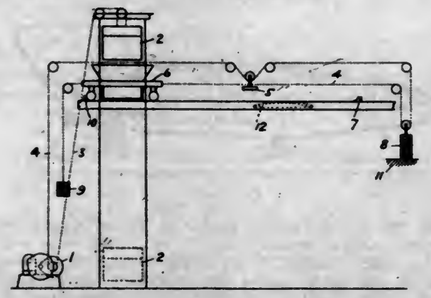
1. A conduit-bushing wrench, comprising a guide-pin provided at its base with an internally-tapered gripping-finger extending forwardly alongside it but offset from it by substantially the thickness of the bushing.

1,633,298. INSULATING AND INDICATING COVERING FOR CONTAINERS. SETH WANAMAKER, Ramsey, N. J. Filed July 23, 1926. Serial No. 124,479. 9 Claims. (Cl. 116—114.)



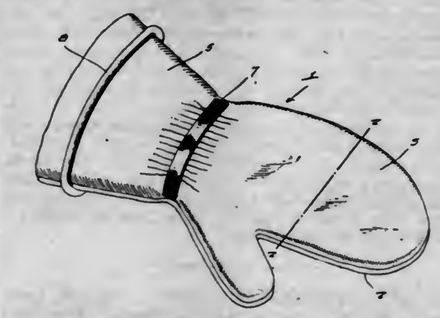
1. In a device for insulating and indicating the thermal condition of a domestic boiler, the combination of an insulating covering substantially encasing the boiler, and a thermal indicator co-operable with said covering and exposed to view through the same, said thermal indicator embodying a liquefiable enveloping medium and being in contact exteriorly with said boiler and influenced by the transference of heat from said boiler.

1,633,299. SKIP-HOIST AND TRAM-CAR EQUIPMENT. ARTHUR WARNER, Haverford, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 10, 1926. Serial No. 128,360. 1 Claim. (Cl. 214—40.)



In a skip hoist equipment and tram car structure means for providing a difference between car and bucket movements, including load and limit stops for the car, means for returning the car to its load stop, a bucket cable and a car cable played out and hauled in sufficiently to cause the bucket to complete its up and down movements and sufficiently to provide slack in the car cable at each limit stop of the car, and two counterweights arranged in the reach of the car cable and of which one is free and of which the other is provided with a seat to apportion the cable slack between them.

1,633,300. MITTEN. GEORGE ADAMS WETZSTEIN, Mandan, N. Dak. Filed June 23, 1926. Serial No. 118,033. 1 Claim. (Cl. 2—158.)

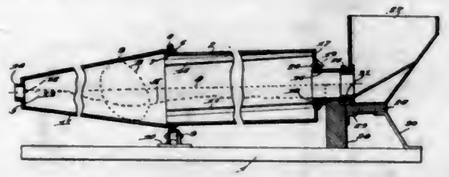


In a mitten formed of water proof material and comprising front and back sections, the edges of which are stitched together, a lining within the mitten, an elastic strip extending transversely across the back of the mitten at the wrist encircling portion thereof, said elastic strip being stitched to the back section and extending for substantially the full width thereof, for holding the portion of the mitten against the wrist to provide a waterproof joint, and piping extending around the cuff portion of the mitten adjacent the outer edge thereof to prevent water from dripping downwardly into the cuff of the sleeve of the wearer.

1,633,301. METHOD AND APPARATUS FOR TREATING SEED GRAIN. SYLVESTER J. WILLIAMS, Ritzville, Wash., assignor to Cornelius Allert, Ritzville, Wash. Filed Feb. 13, 1923. Serial No. 618,806. 12 Claims. (Cl. 83—28.)

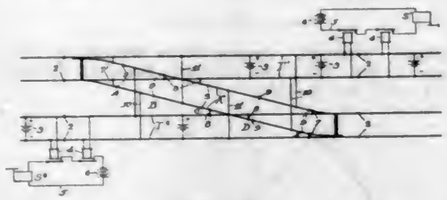
1. A friction dry seed treater comprising in combination, a tubular body for containing the seed grain and a fungicide powder rotatably mounted with its axis at a

downward inclination to the horizontal and having an intake end higher than its discharge end, that portion of said body nearest said discharge end being tapered sufficiently to incline its lowermost portion upwardly from the horizontal.



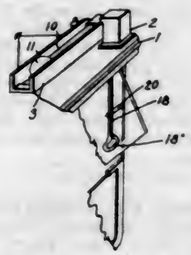
10. The herein-described method of "fixing" a fungicide powder coating partially applied or dusted onto seed grain, which consists, in uniformly setting the powder and all the grain berries into sustained intermingling rubbing and tumbling contact while simultaneously restraining discharging movement of the grain, whereby the combined restraining and rubbing action will attritionally "fix" and retain the coating of powder on all the grain berries.

1,633,302. RAILWAY SIGNALING. LEROY WYANT, Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 25, 1925. Serial No. 58,593. 5 Claims. (Cl. 246—41.)



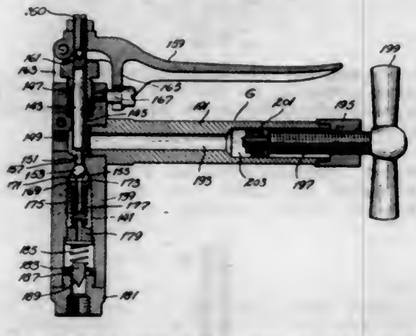
1. In combination in a railway signaling system, adjacent tracks having track circuits and signals controlled thereby, and a crossover divided by insulated rail joints into a series of relatively short sections, said sections being alternately connected to the circuits of the adjacent tracks with a section adjacent each track connected to the circuit of the other track.

1,633,303. DIRECTION INDICATOR. WILLIAM COLE PLATT BALDWIN, London, Ontario, Canada. Filed Oct. 11, 1926. Serial No. 140,957. 2 Claims. (Cl. 116—51.)



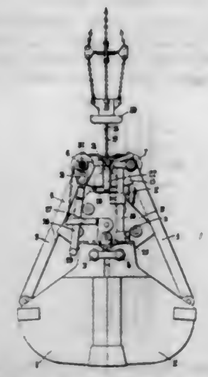
1. A direction indicator comprising a housing having an intermediate cross wall, a tubular shaft journalled in the cross wall and in the rear wall of the housing and provided with an annular groove in its front end, a spring secured within the housing and entering the groove to force the shaft longitudinally, a gear mounted upon the shaft between the transverse wall and the wall of the housing, an elbow carried by the rear end of the shaft an incandescent bulb carried thereby, a tubular semitranslucent finger carried by the elbow and containing the incandescent bulb and means engaging the gear operated from the driver's seat for turning the shaft.

1,633,304. LUBRICATING APPARATUS. FRANK S. BARKS, St. Louis, Mo. Filed Mar. 12, 1926. Serial No. 94,131. 4 Claims. (Cl. 221—47.3.)



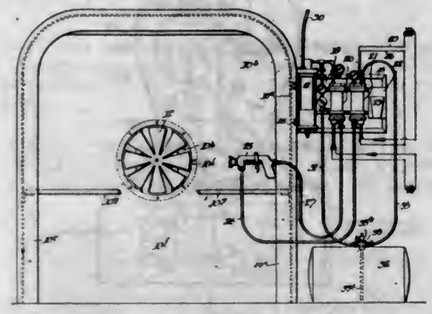
1. A grease gun comprising a body, an inlet therefor and an outlet, a check valve at the inlet and an inverted check valve in series therewith and therebehind with respect to the direction of grease flow, a plunger for opening the second valve operable from a handle linkage cooperating with the body, and means communicating with the passage between said second valve and the outlet for increasing and decreasing pressure at said outlet independently of the inlet pressure and independently of movement by said handle linkage comprising an independent pressure controlling mechanism adapted not to reverse under reaction of forces engendered thereby when manual pressure is not maintained to hold it in position.

1,633,305. GRAB. DUDLEY JAMES BARNARD, Barking, England. Filed Mar. 7, 1924, Serial No. 697,657, and in Great Britain Mar. 14, 1923. 8 Claims. (Cl. 37—186.)



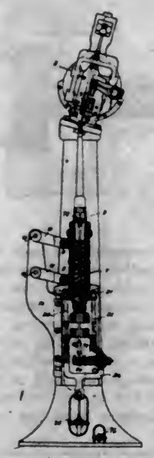
1. In a grab of the single chain type having a cross-beam, movable sheave block, means for connecting the cross-beam and sheave block and a tipping ring, the combination of devices located at the head of the grab adapted to co-act with said tipping ring, means carried by the said movable sheave block adapted to move said devices out of engagement with and out of the path of said tipping ring and means pivoted to the head of the grab adapted to co-act with the means connecting the cross-beam and sheave block to effect the complete opening of the grab.

1,633,306. SPRAYING CABINET AND APPARATUS. HOWARD G. BARTLING, Chicago, Ill., assignor to Peerless Pneumatic Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1922. Serial No. 603,055. 3 Claims. (Cl. 91—60.)



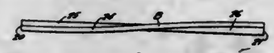
1. A spraying cabinet having a frontal opening formed by an inverted U-shaped flange extending downwardly from the top of the cabinet and laterally inward from each side wall of the cabinet, the said top and the side walls being imperforate and adjoined to the said frontal portion; and a suction fan mounted substantially centrally in the rear of the cabinet and arranged for drawing air rearwardly through the cabinet.

1,633,307. PEGGING MACHINE. BRUNO PAUL BOHACEK, Frankfort-on-the-Main, Germany, assignor to Maschinenfabrik Moenus Aktien-Gesellschaft, Frankfort-on-the-Main, Germany. Filed Apr. 12, 1926, Serial No. 101,471, and in Germany Aug. 22, 1924. 9 Claims. (Cl. 1—23.)



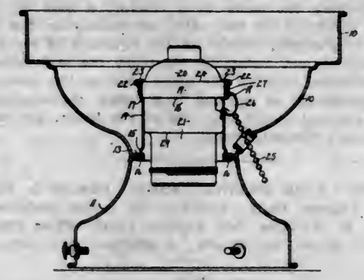
3. In a pegging machine, a horn rotatable about an axis vertical to the bottom of a shoe held thereon, an awl and driver arranged to move obliquely to the said bottom, and two parallel connection links between the horn and the machine frame arranged approximately vertical to the oblique direction of movement of the awl and driver.

1,633,308. SPIRAL BAR. ARCHER LE ROY BOLTON, North Andover, Mass. Filed Mar. 15, 1923. Serial No. 625,268. 9 Claims. (Cl. 92—27.)



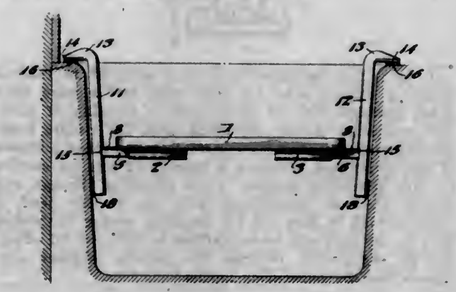
1. The combination in a frusto-conical plug for Jordan engines of a permanent body, with a jacket detachable therefrom built up of a skeleton jacket body, spiral bars fastened thereto and spiral woods between said bars.

1,633,309. ELECTRIC-LIGHTING FIXTURE. GEORGE A. BOOMER, Waterbury, Conn., assignor to The Plume & Atwood Mfg. Co., Waterbury, Conn., a Corporation. Filed July 19, 1926. Serial No. 123,357. 1 Claim. (Cl. 240—78.)



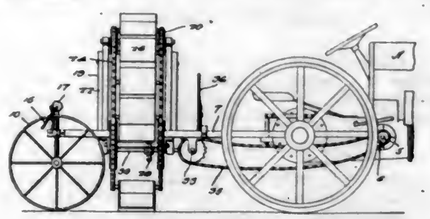
An electric lighting fixture having a housing-shell, a shade-holder secured thereto so as to form an inwardly-extending annular ledge, a mounting-sleeve having its lower end rigidly secured to the said ledge and provided, near its upper end, with a seating-shoulder for engagement with the edge of the skirt of the cap of a standard socket-casing, and also having its upper edge threaded, and a threaded locking-collar adapted to be applied to the threaded portion of the said sleeve and to engage with the upper edge of the skirt of the said cap, whereby the casing is firmly held in place.

1,633,310. BATHTUB SEAT. WILLIAM H. BOZARTH, Vineland, N. J. Filed June 17, 1925. Serial No. 37,834. 3 Claims. (Cl. 4—185.)



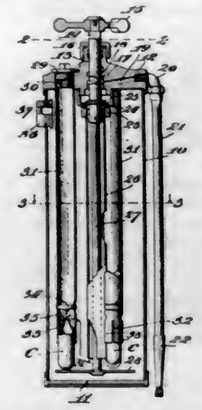
1. A bath tub seat comprising an elongated seat portion, guide clips carried by said seat portion adjacent the ends thereof, extension brackets adjustably mounted in the guide clips and provided with upwardly disposed hooks at their outer ends, and a pair of supporting brackets each provided with a supporting hook at one end having openings formed laterally through the bodies thereof adjacent the remaining ends to receive the hook ends of the extension brackets.

1,633,311. TRENCH-CLEANING DEVICE. FRED E. BRASWELL and SAMIEL T. RAY, Gadsden, Ariz. Filed Aug. 24, 1925. Serial No. 52,044. 1 Claim. (Cl. 37—109.)



A trench cleaning device of the class described including a frame, means on the front end of the frame for attaching the same to a tractor, a pair of axles, wheels journaled on the axles, extensions on the axles disposed upwardly, sleeves on the rear end of the frame for slidably and rotatably receiving the extensions, a rod journalled between the upper ends of the extensions and terminating at one end in a crank, chains attached to the rod and to the rear end of the frame, and means for rotating the extensions.

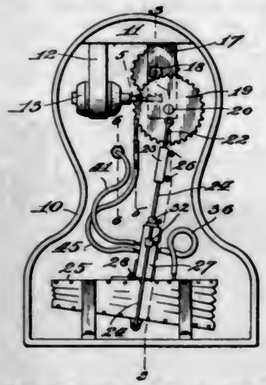
1,633,312. FIRE EXTINGUISHER. EDWARD L. BURNS, Los Angeles, Calif., assignor, by mesne assignments, to S. D. Williams, Los Angeles, Calif. Filed Feb. 25, 1926. Serial No. 90,499. 5 Claims. (Cl. 169—31.)



1. In a fire extinguisher, a tank adapted to contain liquid, a closure head for said tank, said closure head being provided with an outlet duct, a plurality of members connected to and depending from the closure head, gaseous pressure containers carried by the lower portions of said depending members, a puncturing member carried by each depending member, a rod extending through and having threaded engagement with the closure head, a valve carried by said rod for normally closing the outlet duct in the head and means carried by said rod for effecting an engagement between the gaseous pressure containers and the puncturing means.

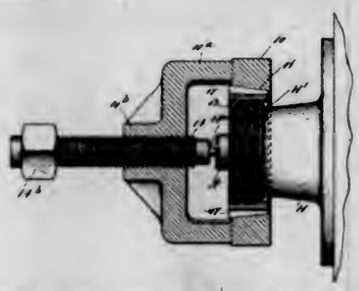
1,633,313. AUTOMATON ADVERTISING DEVICE. SANFORD W. CARTER and ORIN E. CARTER, Los Angeles, Calif., assignors of one-third to E. P. Peers and one-third to George B. Winfrey, Los Angeles, Calif. Filed May 3, 1926. Serial No. 106,390. 3 Claims. (Cl. 46—40.)

3. In an automaton advertising device, a housing shaped to represent a person's head, there being smoke outlet openings formed in the nose and mouth representing portions of said head, a holder for a cigar or cigarette seated in the mouth representing portion of said head, a bellows mounted for operation within the housing, a valve positioned on said bellows, a duct leading from said valve to the interior of the bellows, ducts leading from said valve to said holder and to said discharge openings, a ported member arranged for sliding movement within the valve for establishing communication between



the duct leading from the bellows to the valve and the ducts leading from said valve to the holder and discharge openings, a motor driven train of gearing arranged for operation in the upper portion of the housing, a reciprocating connection between one of the members of the train of gearing and said bellows and means carried by said reciprocating member for shifting the position of the ported member of said valve.

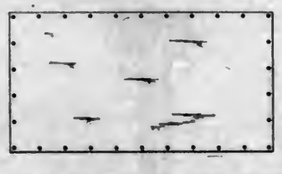
1,633,314. WHEEL PULLER. ARTHUR L. CORNWELL and LAWRENCE R. GRAMES, Wellsville, N. Y. Filed Aug. 28, 1923. Serial No. 659,744. 3 Claims. (Cl. 29—85.)



1. A wheel puller comprising a body having a ring portion and a stirrup portion with a conical opening extending entirely through said ring portion and enlarging outwardly thereof, a contractible adapter ring having a conical exterior fitting said opening with a capability of free adjustment throughout the endwise extent thereof, said ring having a slot therethrough and said body bearing a pin extending into said slot for the purpose stated, and means borne by the stirrup portion of said body for exerting pressure upon the end of the axle to draw off the wheel.

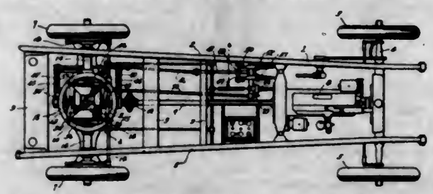
1,633,315. TRANSLUCENT SCREEN FOR PROJECTED PICTURES. OSWALD DALE, New Haven, Conn., assignor to The Acme Wire Co., New Haven, Conn., a Corporation. Filed Apr. 29, 1925. Serial No. 26,579. 1 Claim. (Cl. 88—24.)

As a new article of manufacture, a translucent screen for projected pictures, the said screen comprising warp and weft silk threads proportioned in width and spaced in weaving so that the area of silk, in a given area of fabric, is in excess of the aggregate area of the interstices between the threads, the natural color of the silk



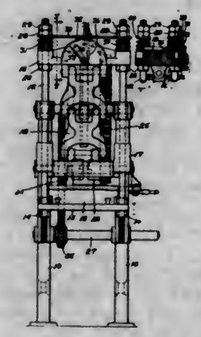
being tinted with one color and then impregnated with a vegetable compound of a complementary tint, so that the resulting screen is of a tint which will preserve color values.

1,633,316. DRIVING MECHANISM FOR MOTOR VEHICLES. LEWIS W. DAVIS, Seattle, Wash. Filed May 12, 1924. Serial No. 712,609. 5 Claims. (Cl. 74—26.)



1. In a variable speed transmission mechanism, a movably mounted driving shaft, a pair of wheel driving shafts mounted in alinement at opposite sides and substantially at right angles to the driving shaft, a pair of friction cones slidably keyed to the driving shaft, a driving cone slidably keyed on each of the wheel driving shafts; each of said cones having a hub, a shifting block for each cone rotatably fixed to its hub and having transverse grooves therein, bars slidably fitted in the grooves, a series of pivotally mounted bell crank levers with ends pivotally fixed to the bars in the blocks of adjacent cones whereby all cones may be simultaneously shifted along their shafts and means for moving the driving shaft whereby either cone therein can be made to drive either of the other cones.

1,633,317. TOGGLE PRESS. JASPER DERRY, Medford, Mass., assignor to Andrew Terkelsen, Boston, Mass. Filed July 10, 1924. Serial No. 725,310. 6 Claims. (Cl. 25—89.)



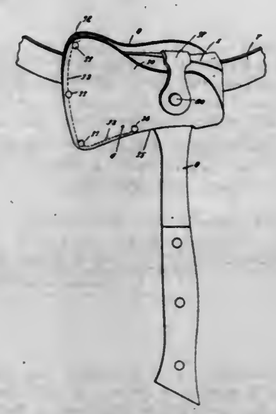
1. In a press, in combination, a ram, a toggle for operating said ram, means for straightening said toggle, mechanical means for exerting a follow up pressure upon said ram after said toggle is straightened, and means for measuring and indicating the amount of said pressure.

1,633,318. GARDEN IMPLEMENT. FRANK W. DRISH, Hollywood, Calif. Filed Sept. 8, 1926. Serial No. 134,210. 2 Claims. (Cl. 97—67.)



1. In a garden implement of the class described, a blade comprising a substantially ovate plate bent upon itself to provide a substantially V-shaped body including diverging plates of semi-ovate design, the curved edges of said plates being provided with cutting edges, and a handle adapted to be adjustably connected with one of said side plates.

1,633,319. AX SHEATH. ERNEST O. ESTWING, Rockford, Ill., assignor to Estwing Manufacturing Company, Inc., Rockford, Ill., a Corporation of Illinois. Filed Aug. 12, 1925. Serial No. 49,745. 5 Claims. (Cl. 224—2.)

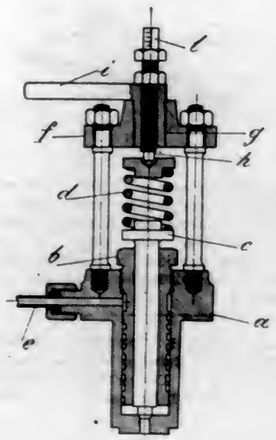


1. In an ax sheath, a case to receive the ax head, said case being open across the top but closed across the bottom with the exception of a single opening to pass the ax handle through whereby the head of the ax is received in the case as in a pocket with the handle depending from the case, and means for suspending the case as on a belt or the like and for retaining the ax head in the case, said means comprising a strap fixed on the outside of said case on one side thereof so as to provide a loop between it and the wall of the case to receive the suspensory belt or the like, and said strap being extended across the open top of the case to the other side thereof to close the case on the ax.

1,633,320. INJECTOR FOR MINERAL-OIL MOTORS. ALESSANDRO FRANCHETTI, Florence, Italy. Filed Mar. 27, 1925, Serial No. 18,703, and in Italy Apr. 10, 1924. 6 Claims. (Cl. 123—32.)

1. A spray nozzle for internal combustion engines, comprising a body adapted to be fastened to the cylinder head, an automatic needle valve, a valve seat formed in the body and open toward the cylinder, a spring forcing

said valve against the seat, means for regulating the tension of said spring, means for supporting said regulating device, means for temporarily releasing the said regulated



pressure and restoring it without disturbing said regulation and without any other alteration of the spray valve.

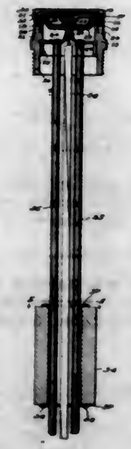
1,633,321. CONCEALED STAIRWAY. BERT FRAZIER, Pittsburgh, Pa. Filed Mar. 4, 1927. Serial No. 172,617. 2 Claims. (Cl. 228—50.)



1. The combination, with a hinged trap door, of a stairway slidably supported thereon in such manner that it may be pushed up into the space above the trap door or slid down to a floor below, characterized by having the upwardly extending overhanging end of the stairway, above the hinged end of the trap door, materially longer than the trap door in the raised position of the stairway, and locking means for retaining said stairway in fixed relation to the trap door in said raised position, the weight of said overhanging end being itself capable, in the absence of any other counterbalancing means, of at least completing the closing operation of said trap door by virtue of the weight of the stairway in excess of that of the trap door and retaining the same in closed position.

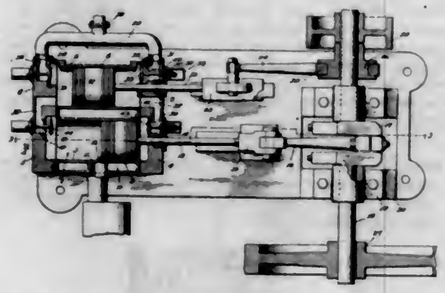
1,633,322. FLOAT GAUGE. GEORGE P. GREGORY, Pittsfield, Mass., assignor to The Boston Auto Gage Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed Nov. 23, 1925. Serial No. 70,913. 3 Claims. (Cl. 73—82.)

1. A gauge for indicating the height of liquid in a tank and constructed to be read from either side of the gauge, comprising in combination, a gauge head adapted to be secured to a tank and having similar sets of graduations at the opposite sides of said head, a magnet rotatably mounted in the head, float operated means for rotating the magnet through an angle of not over 180° during the entire range of float movement, a needle pivotally mounted outside of the head and having its opposite ends bent downwardly to form pointers that lie



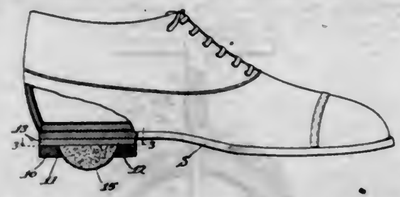
along the opposite sides of the head to swing over said graduations that the reading of the gauge may be observed at either side of the gauge head.

1,633,323. INTERNAL-COMBUSTION ENGINE. THEODORE W. HAINLINE, Portland, Oreg., assignor to Hainline Motors Corporation, Portland, Oreg., a Corporation of Oregon. Filed Jan. 27, 1926. Serial No. 84,254. 5 Claims. (Cl. 123—61.)



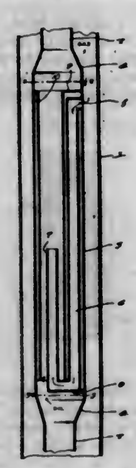
5. In an internal combustion engine, a power cylinder having an inlet port at each end and an exhaust port intermediate its length, a piston slidable in said cylinder and of a depth to close the exhaust port until in a position adjacent the limit of its movement in either direction, a pump cylinder having outlets at its ends communicating with opposite ends of said power cylinder through said inlet ports, pressure actuated valves controlling passage of fuel into said power cylinder, means for supplying fuel to opposite end portions of said pump cylinder, a piston slidable in said pump cylinder, a power shaft having rotary motion imparted thereto from the power piston, and means for imparting reciprocating motion to the pump piston from said power shaft at varying rates of speed and in timed relation to the power piston whereby to deliver fuel into the power cylinder without appreciable pressure substantially at the time of uncovering the exhaust port and effect displacement of a spent charge through expansion thereof and entrance of a new charge.

1,633,324. DETACHABLE CUSHION HEEL. LEONARD F. HARTUNG, Los Angeles, Calif. Filed Mar. 18, 1925. Serial No. 16,323. 1 Claim. (Cl. 36—36.)



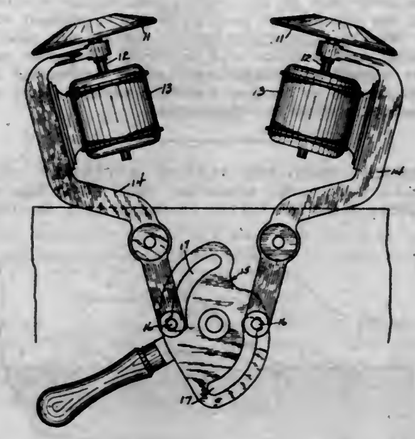
A heel for footwear comprising a rubber heel having an aperture therethrough provided with spherically curved sides, a removable hemispherical cushion disposed within said aperture with its sides engaging the sides of the aperture, said cushion being formed of a more resilient material than the body of the rubber heel and having its top surface flush with the top surface of the body of the heel and its bottom normally projecting below the bottom or tread surface of the heel, and a fabric covering the bottom surface of the cushion.

1,633,325. OIL-FLOWING DEVICE FOR WELLS. WILBUR R. HAUSWIRTH, Long Beach, Calif. Filed July 9, 1925. Serial No. 42,474. Renewed Apr. 27, 1927. 1 Claim. (Cl. 103—232.)



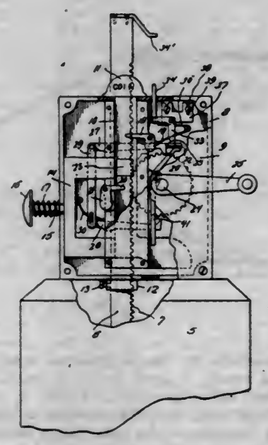
A flowing device for oil wells, comprising a pipe section having a portion of enlarged diameter, reducing necks connecting the portions of enlarged diameter with the pipe section, a transverse plate mounted in said enlarged portion in spaced relation below the upper neck, a tubular member mounted eccentrically in said transverse plate and extending through the enlarged portion and providing an oil passage through said enlarged portion, and a discharge nozzle having one end extending upwardly within the tubular member in concentric relation and discharging upwardly therein, and the opposite end mounted in the enlarged portion of said pipe member, and communicating with the exterior thereof, said pipe section and enlarged portion being adapted for mounting in a well casing wherein the well casing is adapted to conduct gas under pressure outwardly of said pipe section for discharge through the nozzle, the transverse plate member forming an enlarged chamber above said tubular member and nozzle for cooperation therewith to aerate the oil in producing an upflow in said pipe section.

1,633,326. STITCHING. DANIEL EDWARD HENNESSY, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 31, 1922. Serial No. 578,749. 1 Claim. (Cl. 154—14.)



The method of building cord tire carcasses which comprises placing the cord fabric on a core, rotating the core, stitching down the fabric on one side of the core with a stitcher operating at a speed greater than that of the core and simultaneously stitching down the fabric on the other side of the core with a stitcher operating at a speed less than that of the core.

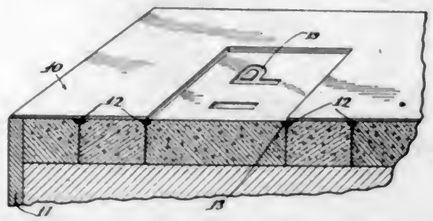
1,633,327. AUTOMATIC GASOLINE-VENDING MACHINE. EDWARD T. HESS, Irondequoit, N. Y. Filed Oct. 16, 1926. Serial No. 142,014. 6 Claims. (Cl 194—60.)



1. A device of the class described, including in combination, a rack bar, means for mounting the rack bar for rectilinear motion, a gear meshing with the rack bar, means for operation of the rack bar, a pawl, yieldable means for normally urging the pawl into engagement with

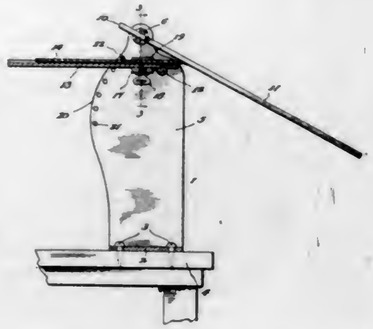
the gear, a second pawl, yieldable means for normally urging the second pawl into engagement with the gear, a link between the pawls, a pivotal connection between one pawl and the link, a pin and slot connection between the other pawl and the link, the first yieldable means being more effective than the second yieldable means, a coin chute, a lever pivotally mounted and having one end engageable with the first pawl, a push adapted to extend into the coin chute to push a coin into engagement with the lever for rocking said lever to rock the first pawl to disengage it from the gear and bring the second pawl into engagement therewith and means for holding the first pawl in its disengaged position while the rack bar completes a stroke in one direction.

1,633,328. MOLD FOR PLASTIC MATERIALS. WILLIAM HINTON, San Bernardino, Calif. Filed Aug. 17, 1926. Serial No. 129,719. 5 Claims. (Cl. 25—121.)



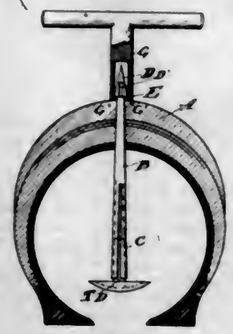
1. A mold comprising a pallet, means providing side walls upon the pallet, there being beads or ridges upon the pallet and integral therewith, and partitions adapted to be positioned upon said beads to divide the space above the pallet into compartments into which various plastic materials may be placed.

1,633,329. SCRAPER-EDGE TURNER. JOHN R. HOUTS, McLean, Va. Filed Mar. 26, 1926. Serial No. 97,689. 3 Claims. (Cl. 29—83.)



1. An apparatus for the purpose set forth comprising a supporting frame, a blade holder mounted within the frame for free swinging movement from a vertical inoperative position to an operative position, a support for an edge-turning tool carried by said frame above the blade holder, and an edge-turning tool engaged in said support to bear upon a blade in the holder for rocking movement across the edge of the blade, and abutment means carried by said frame for adjustment vertically thereof and adapted to extend across the blade holder and limit movement thereof from a vertical position towards a horizontal position.

1,633,330. PLUG-INSERTING TOOL. HUGH T. HUGHES, Cleveland, Ohio, assignor, by mesne assignments, to Edward Hainke, Grand Rapids, Minn. Filed May 10, 1926. Serial No. 107,977. 7 Claims. (Cl. 152—27.)



4. An instrument for inserting a tire plug consisting in, a tapered, hollow body pointed at the outer end and having an annular shoulder adjacent to said outer end, and a gripping device for engaging with said shoulder to draw said instrument through said tire.

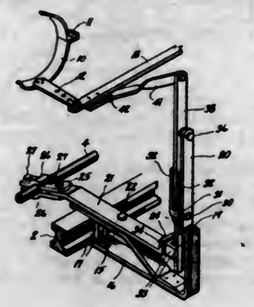
1,633,331. ROLLER TAPPET FOR POPPET VALVES AND METHOD OF MAKING THE SAME. ROBERT JARDINE, Chicago, Ill., assignor to Rich Tool Company, Chicago, Ill., a Corporation of Maine. Filed Sept. 9, 1922. Serial No. 587,246. 6 Claims. (Cl. 29—156.4.)

1. The method of making a cylindrical valve tappet shell without exterior projections but having a thickened wall portion at one side which consists in longitudinally drilling a cylindrical blank having a lateral boss, pressing the said boss inwardly to form a shell of uniform diameter without increasing its length, flattening the sides of said shell, and thereafter perforating the flattened sides.

4. A roller valve tappet shell having an open end, an exterior cylindrical bearing surface and a pair of parallel flat side wall sections adjacent the open end of the shell not projecting outwardly beyond the said cylindrical bearing surface, the walls of said shell being thickened adjacent the flat side wall sections, and provided with transverse openings therethrough, a pivot pin secured in said openings, and a roller journaled on said pin.

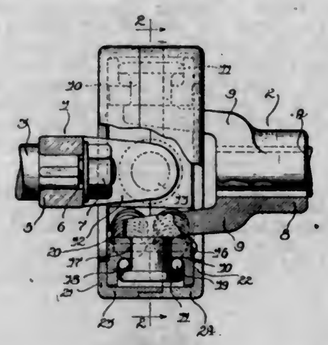
1,633,332. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. ALLINGTON H. JOHNSON, Tacoma, Wash. Filed May 19, 1926. Serial No. 110,115. 2 Claims. (Cl. 240—62.)

1. The combination with a vehicle of the character described having an axle, a steering knuckle connecting rod and pivotally supported headlights with arms attached thereto for rotating the same, of a bracket fixed rigidly to the axle having a horizontal portion extending forwardly therefrom and provided, at its outer end, with a vertical standard, a horizontal lever pivotally attached to the horizontal portion of the bracket and operatively connected at its rearward end with the said connecting



rod, a guide fixed at the forward end of the said lever, a second lever pivotally mounted on the standard having its lower end disposed within the said guide and a third lever pivotally mounted on the bracket connected, at its lower end, with the upper end portion of the second lever, and a link connecting the upper end of the third lever with the headlight rotating arms.

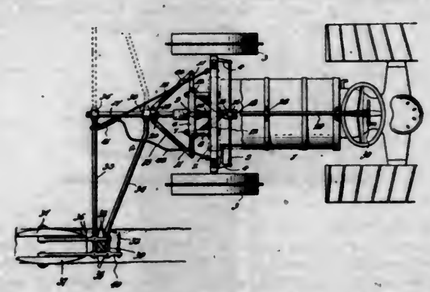
1,633,333. UNIVERSAL JOINT. ALEXANDER F. KAPTULLER, Chicago, Ill. Filed Oct. 11, 1920. Serial No. 416,283. 13 Claims. (Cl. 64—96.)



1. A universal joint comprising two heads rotatably mounted on substantially alined axes, bearing blocks rotatably mounted on radially extending axes on said heads respectively, and yielding means secured and held between said bearing blocks for transmitting rotation from one head to the other.

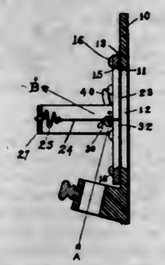
1,633,334. TRACTOR GUIDE. GLENN R. KNOTWELL, Wauneta, Nebr., assignor of one-half to Earl W. Skelton, Wauneta, Nebr. Filed Dec. 8, 1926. Serial No. 153,387. 2 Claims. (Cl. 97—49.)

1. Apparatus for the purpose set forth comprising a supporting rod, means for supporting said rod upon the front axle of a tractor and operatively connecting the same with the steering gear of the tractor, laterally extending arms mounted upon said rod for rocking movement, carriers on the outer ends of said arms, guiding disks mounted upon the free ends of said carriers, means for rocking the arms about the supporting rod, a



spring attached to one of said arms near the inner end thereof, and flexible connections between the said spring and the ends of the tractor axle.

1,633,335. MEANS AND APPARATUS FOR RECORDING SOUND-WAVES. CLAUDE JEROME LAPP, Iowa City, Iowa, assignor to Herbert Grove Dorsey, Washington, D. C. Filed Aug. 27, 1924. Serial No. 734,494. 4 Claims. (Cl. 274—5.)



1. An apparatus for the reception of vibratory motion comprising a stretched paper diaphragm, a thread firmly mounted parallel to the diaphragm and above the middle thereof, a second thread attached to the center of the diaphragm and mounted perpendicular thereto, a support, a conical spring held at one end by said support, and the other end tensioning said perpendicularly mounted thread, a mirror pivoted on said first thread and secured at an edge to the second thread whereby motion of the diaphragm will rotate the mirror.

1,633,336. DENTIFRICE. WINFORD P. LARSON, Minneapolis, Minn. Filed Sept. 28, 1925. Serial No. 59,234. 6 Claims. (Cl. 167—9.)

1. A dentifrice containing castor oil soap.

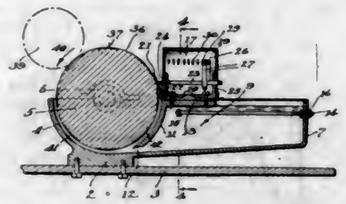
3. A dentifrice containing the soap of an unsaturated fatty acid.

5. A dentifrice composed of a solution of the soap of an unsaturated fatty acid in a dental cream article forming a paste and capable when used of detoxifying bacterial toxins existing in the mouth of the user.

1,633,337. RESINOUS REACTION PRODUCT OF UREA AND FORMALDEHYDE. FELIX LAUTER, Philadelphia, Pa., assignor to Rohm & Haas Company, a Corporation of Delaware. Filed July 28, 1925. Serial No. 46,659. 10 Claims. (Cl. 260—3.)

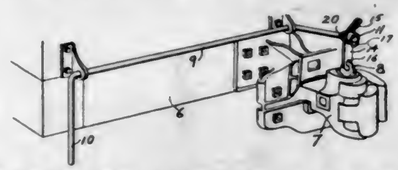
1. The process of producing resinous reaction products, which comprises the step of causing a condensation to take place between urea and formaldehyde in the presence of a polyhydric alcohol.

1,633,338. AUTOMATIC INKING FOUNTAIN FOR PRINTING PRESSES. ALBERT L. LENGEL, Bakersfield, Calif. Filed Oct. 5, 1926. Serial No. 139,624. 23 Claims. (Cl. 101—365.)



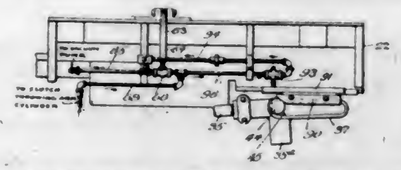
1. An inking fountain comprising in combination a fountain, a fountain roller mounted therein, and a structure forming a pressure chamber on one side of the roller, there being ink passages at the base of said chamber and there being an unobstructed passage underneath the roller from the pressure chamber and on the side opposite such pressure chamber.

1,633,339. UNCOUPLING LINK FOR RAILROAD CARS. ALONZO C. MATHER, Chicago, Ill. Filed Sept. 19, 1923. Serial No. 663,633. 1 Claim. (Cl. 213—170.)



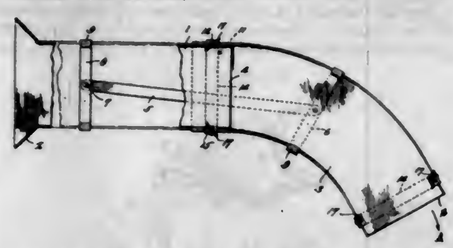
In a device of the class described, the uncoupling rod a link having its lower end attached to the locking pin of a coupler and its upper end slidably connected to the free flattened end of the round uncoupling rod, said link stamped from a flat piece of metal bent at an angle forwardly at its upper end and having an elongated slot at the upper end sliding along the flattened end of the uncoupling rod and an eye at the lower end having a cut or slit in order to connect to the locking pin.

1,633,340. AUTOMATIC DIE PRESS. CHARLES D. McDONALD, Chicago, Ill., assignor to McDonald Machine Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1926. Serial No. 82,395. 9 Claims. (Cl. 192—128.)



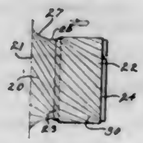
1. In an automatic die press, the combination with a feed way for the work, finger bar mechanism, associated therewith, finger bar actuating mechanism, and clutch throwing mechanism for starting and stopping the press, of a normally inactive clutch throwing arm, a block having a vacuum cylinder therein and carried by said arm, and having a vacuum plunger therein, a reciprocating arm actuating rod guided in said block, and having a shoulder thereon, a detent mounted on said block for engagement with said shoulder on the rod, and operatively connected to said vacuum plunger, a vacuum pipe leading to said vacuum cylinder, a normally closed air valve in said vacuum pipe, and sheet actuated emergency mechanism arranged to open said valve.

1,633,341. COAL CHUTE. HUGH MCDONALD, Clinton, Iowa. Filed Aug. 2, 1926. Serial No. 126,527. 3 Claims. (Cl. 193—4.)



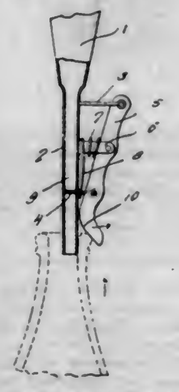
1. In a device of the class described, an auxiliary chute and a main chute having overlapped ends, the auxiliary chute being laterally inclined; holders on the chutes, and a link, one chute being slidable in its holder, and the holders being pivoted to the link, whereby the overlapped ends of the chutes may be disengaged to provide for an end for end reversal of the laterally inclined auxiliary chute.

1,633,342. PULLEY-BAND-TIRE CONSTRUCTION. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Dec. 13, 1921, Serial No. 522,090. Renewed Dec. 10, 1926. 19 Claims. (Cl. 154—14.)



1. The method of building a tire casing, comprising; holding a circumferential series of cord members adjacent an annular bead support, carrying said series to another bead support axially spaced from the first-named support, securing the series adjacent the second support, repeating the carrying and securing steps until a pulley-band carcass of the desired number of piles is formed, and expanding the pulley-band carcass into tire form.

1,633,343. SUGAR GAUGE. CHARLES E. MILLER, Detroit, Mich. Filed May 11, 1925. Serial No. 29,479. 1 Claim. (Cl. 221—113.)



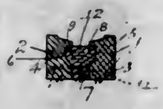
A gauge of the kind described comprising a delivery tube, said tube being provided at one side with vertically spaced openings, valve plates disposed and movable in said openings and adapted to alternately project into the interior of the tube, and a spring influenced lever pivotally connected with and arranged alongside of the tube and connected with said valve plates and terminating adjacent to the delivery end of the tube in a portion disposed normally at an acute angle to the outer side of the tube, whereby when the end of a battle wall is interposed between the tube and said terminal portion of the lever, the lever will be rocked to open the lower valve plate and close the upper valve plate.

1,633,344. ADJUSTABLE DROPLIGHT-CORD HOLDER. LAWRENCE MORAN, Chicago, Ill. Filed Dec. 16, 1926. Serial No. 155,225. 3 Claims. (Cl. 248—7.)



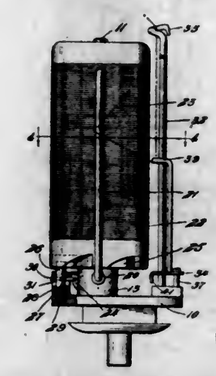
1. A device of the class described including, in combination, a bracket including a vertical body plate having a lateral extension at its upper end and a lateral extension in the opposite direction at its lower end, the lower extension being provided with a notch, the body plate being provided with an opening, a sheath, means for journalling the sheath on the plate body so as to register with the openings, a chain trained over the sheath and engageable with the notch.

1,633,345. FURNITURE CONSTRUCTION. EDMUND MORAIS, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 19, 1925. Serial No. 3,320. 2 Claims. (Cl. 211—7.)



1. In combination with a spacing and connecting member for the furniture members hereinafter mentioned, furniture members on the opposite sides of said spacing and connecting member each of said furniture members being provided with a longitudinally-extending groove parallel with and adjacent its front edge, the spacing and connecting member being provided adjacent and parallel with its front edge with longitudinally-extending tongues on its opposite sides engaging in said grooves respectively to hold all of said members against forward and rearward interrelative movement, the spacing and connecting member at its front edge being spaced inwardly from the front edges of the furniture members and spacing them apart at their front edges; means for securing all said members together.

1,633,346. CARRIER FOR BRAIDING MACHINES. FRANK MOSSBERG, Providence, R. I., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 29, 1921. Serial No. 465,528. 9 Claims. (Cl. 96—15.)

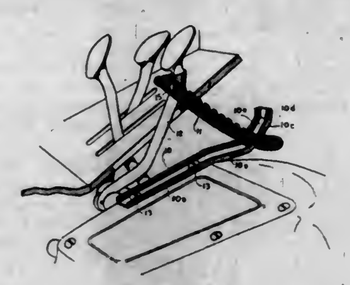


1. A carrier for braiding machines having a vertical spindle on which a yarn package is rotatably mounted, means for controlling the rotation of the package, and a vertically-disposed yarn take up member having a yarn engaging portion mounted to rotate about the axis of the package.

1,633,347. PROCESS OF REFINING BARYTES. WILLIAM J. O'BRIEN, Baltimore, Md. Filed Sept. 17, 1925. Serial No. 57,023. 10 Claims. (Cl. 23—122.)

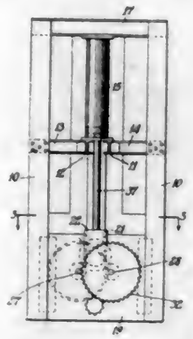
1. In a process of refining barytes, treating barytes ore with fuming sulphuric acid and then reprecipitating the dissolved $BaSO_4$ by volatilizing the excess SO_3 from the solution.

1,633,348. STAY-PUT PARKING BRAKE. EVERETT C. PETSCH, Pleasant Dale, Nebr. Filed Jan. 3, 1927. Serial No. 158,676. 3 Claims. (Cl. 74—81.)



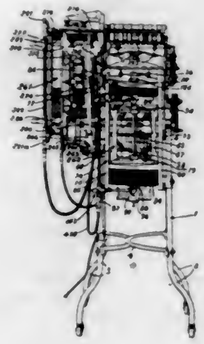
1. A parking brake for latching a brake pedal of an automobile in a predetermined position, said parking brake including a member which is adapted to be secured at a forward and upward inclination in a position forward of the pedal, a clip which is adapted to embrace the pedal and to be secured rigidly thereto, and a lever pivotally secured adjacent its rear extremity to said clip said lever being provided with notches in its upper edge and said member being provided with an elongated aperture for slidably receiving said lever whereby downward pressure on said lever at its rear extremity will force its notched portion into latching engagement with said member.

1,633,349. ROLLING MILL. LEON PIERCE, New York, N. Y. Filed Mar. 18, 1926. Serial No. 95,570. 2 Claims. (Cl. 80—5.)



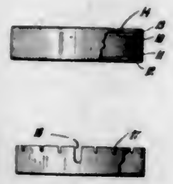
2. In a rolling mill, a pair of end frames, an idler roll having a groove, driven rolls having ridges thereon cooperating with the grooves on the idler roll, compressed air cylinders mounted on said frames above said rolls, bearing blocks supporting said idler roll, one of said bearing blocks being guided vertically the entire height of one of said frames, the opposite bearing block of said idler roll being guided vertically to a position intermediate the height of the opposite frame, the guide means for said bearing blocks comprising a pair of plates spaced apart and rigid with each other on one frame member, said plates extending the height of said frame member guiding one of said bearing blocks vertically the entire height of the frame, a similar pair of plates on the opposite frame member ending intermediate the height of said frame permitting the opposite bearing block to be removed from said guide means when removing said idler roll.

1,633,350. ENVELOPE-FILLING MACHINE. GEORGE F. RUSS, Jersey City, N. J., assignor to Russ Inserting Machine Co., Inc., Dover, Del., a Corporation of Delaware. Filed May 7, 1924. Serial No. 711,636. 13 Claims. (Cl. 93—6.)



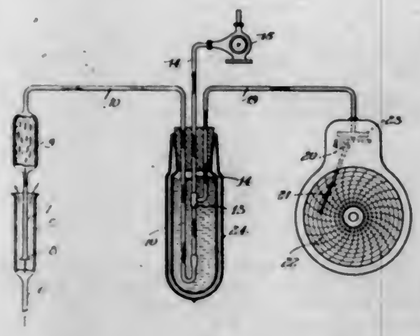
1. In a machine of the class described, the combination with an envelope supply magazine and an insert supply magazine, of a rotatable drum having plane faces at angles to one another, the angles being parallel to the axis of the drum, means for feeding the envelopes to the drum, means for holding envelopes on the drum disposed across the angles of the drum to open the envelopes, with the flaps of each envelope disposed against one of the plane faces and the body portion of each envelope adapted to lie against the other of said plane faces, pneumatic means for directing air into the body portion of the envelope thereby to open it and raise it from its plane face, and means for feeding inserts from the insert supply magazine into the envelopes so opened.

1,633,351. DUST GUARD FOR WATCHES. IRVING SONNENTHAL, New York, N. Y. Filed May 25, 1926. Serial No. 111,487. 3 Claims. (Cl. 58—90.)



1. The combination with the body of a watch case and a watch movement having a winding stem, of a full sided guard member extending around the periphery of the watch, a crystal for the watch adapted to fit within the outer edge of the guard member whereby the guard member serves to protect the periphery of the crystal, and a cover for the watch adapted to fit over the guard member, and having an inwardly turned flange overlapping the periphery of the crystal.

1,633,352. GAS-ANALYSIS APPARATUS. KENNETH L. TATE, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 90,021. 15 Claims. (Cl. 265—44.)



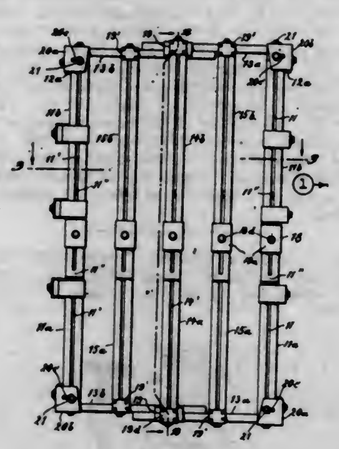
1. A gas analysis apparatus comprising a chamber having a capillary inlet passage adapted to be supplied with a mixture of gases including one or more component gases the quantity of which is to be measured, a restricted outlet passage for said chamber, means for maintaining a predetermined difference in the pressures to which said passages are externally subjected, one of said passages being constructed relative to the other and to said pressures to maintain a pressure between opposite sides thereof adapted to maintain a rate of flow therethrough substantially independent of fluctuations in the external pressure thereon, and a pressure sensitive device communicating with said chamber and having a part movable in response to the pressure therein as a function of the quantity of said gas or gases to be measured in said gaseous mixture.

1,633,353. WICK FOR OIL STOVES. RAYMOND M. THORLEY, Cleveland, Ohio. Filed Sept. 9, 1926. Serial No. 134,378. 5 Claims. (Cl. 67—70.)



1. A method of making a wick for an oil stove comprising superimposing a plurality of layers of fibrous material, bending the layers in a curved form, binding them together and thereafter straightening them whereby the wick may be shipped flat, and may be subsequently curved for use without buckling.

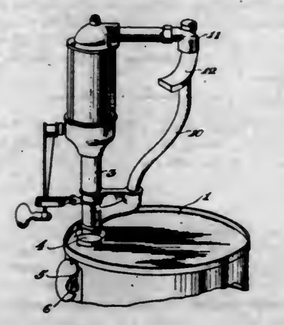
1,633,354. COLLAPSIBLE AND ADJUSTABLE CRATE FOR FURNITURE. EDWARD F. RAU, Brooklyn, N. Y. Filed Jan. 28, 1926. Serial No. 84,353. 6 Claims. (Cl. 217—43.)



1. A collapsible box-crate, formed exclusively of detachable bar units, each unit comprising two partly overlapping skid bars, slotted throughout their available lengths, slidably connected at their overlapping ends and provided with means adapted to guide and to adjustably lock them in rigid alignment, detachable means to adjustably fasten them at their free ends at right angles to other bar units and detachable means to rigidly connect the converging ends of the units to form the corners of the crate.

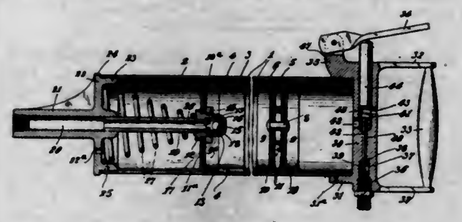
1,633,355. ANTISUBSTITUTE LIQUID-DISPENSING PUMP. ROBERT L. WHITE, Lisbon, Tex. Filed Feb. 11, 1927. Serial No. 167,406. 5 Claims. (Cl. 221—72.)

1. In a liquid dispensing tank provided with a pump and rotating drain pipe communicating with its nozzle, the combination with a concealed locking means for said pump and filler openings, a covering for the receiving end of said drain pipe, comprising a curved channel member



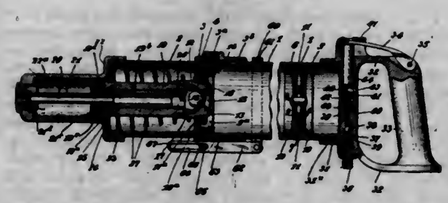
affixed to said nozzle and arranged to restrict the opening in said drain pipe when moved away from said nozzle.

1,633,356. FORCE-FEED LUBRICATING APPARATUS. HERMAN ALBERTINE, East Rutherford, N. J., assignor to Charles P. Rogers and Company (Inc.), a Corporation of New York. Filed Jan. 9, 1926. Serial No. 80,139. 12 Claims. (Cl. 221—47.3.)



1. In fluid feeding means, a casing including a reservoir for the fluid, means comprising compressed air for applying pressure thereon, outlet means including cylinder and piston elements, the piston head being yieldably spring held in pressure receiving relation to the fluid and having a hollow stem for outflow of said fluid, the outlet end of said stem being formed as a piston fitting an outlet passage with which it telescopes upon rearward movement of said spring held piston, a valve whereby reverse flow of the fluid through the stem may be prevented and means for preventing disengagement of said telescoping members.

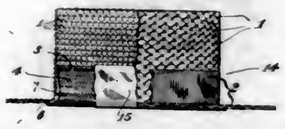
1,633,357. FORCE-FEED LUBRICATING APPARATUS. HERMAN ALBERTINE, East Rutherford, N. J., assignor to Charles P. Rogers and Company (Inc.), a Corporation of New York. Filed Mar. 18, 1926. Serial No. 95,647. 14 Claims. (Cl. 221—47.3.)



1. A grease gun, including a force pump having piston and cylinder elements, means for reciprocating the cylinder element with respect to the piston element and

means for feeding grease into said pump, said piston and cylinder elements including an element of substantial cross-sectional area with one surface fitting and slidable along a corresponding surface of the piston element and another surface fitting and slidable along a corresponding surface of the cylinder element whereby it may be utilized to vary the cross-section of the piston element or cylinder element.

1,633,358. STRAW HAT. FRANKLIN S. BATES, Mount Vernon, N. Y. Filed Oct. 8, 1926. Serial No. 140,228. 4 Claims. (Cl. 2—193.)



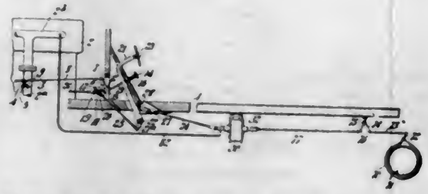
1. In a self-conforming straw hat comprising a plurality of straw braids sewed together with the major portion of the crown and brim glued together and with an unglued portion adjacent the juncture of the crown and brim, the combination of a band of supporting material with the upper edge sewed to the inside of the crown and the lower edge sewed to the lower portion of the brim, an elastic member carried by said band and tending to draw the same inwardly intermediate its edges.

1,633,359. WELDING AND CUTTING APPARATUS. FREDERICK W. BECKER, East Rutherford, N. J. Filed Mar. 2, 1927. Serial No. 171,970. 12 Claims. (Cl. 158—27.4.)



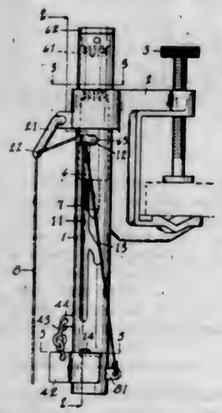
1. A welding apparatus of the character described, comprising a burner head, a burner nozzle detachably secured to one end of said head, a valve casing, means for detachably connecting the same to the burner head, a valve within said casing, an oxygen supply tube, means for securing said valve to one end of said tube, a hollow handle, a block within one end of the handle provided with an opening through which said tube slidably extends and recessed at one end, another tube of larger diameter surrounding said oxygen tube between said valve casing and the recessed end of said block, another block within the other end of the handle, a tubular elbow within an opening in said block, a valve chamber exterior of said handle with which said elbow communicates, a valve in said chamber, tubes extending from said valve chamber for connection with a source of oxygen supply, the other end of said oxygen tube slidably entering said elbow, means for moving the said oxygen supply tube to seat or unseat the valve at its forward end, a liquid fuel tube extending through said blocks in the handle with one open end communicating with the recess in the end of said first block and the interior of the tube surrounding the oxygen tube, and means attached to the other end of said fuel tube for connection with a source of fuel supply.

1,633,360. THROTTLE-CONTROL APPARATUS FOR BRAKE-APPLYING MECHANISM. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island, N. Y., a Corporation of New York. Filed June 19, 1926. Serial No. 117,026. 8 Claims. (Cl. 192—3.)



2. In an automotive vehicle, the combination with an internal combustion engine for propelling the same, having a suction passage for delivering explosive charges to the engine cylinders, and a throttle valve for said engine located in said passage, operator operated means for controlling said valve, brake mechanism for the vehicle, a vacuum operated device for operating the brake mechanism, and provided with controlling valve mechanism, a suction pipe from the valve mechanism to said suction passage between the throttle valve and engine cylinders, and a pedal lever operatively connected with the controlling valve mechanism of the vacuum operated device, of connections from said pedal lever to said throttle valve for taking it out of control of its operator operated controlling means, and closing the valve when the pedal lever is moved in a direction to effect the application of the brakes.

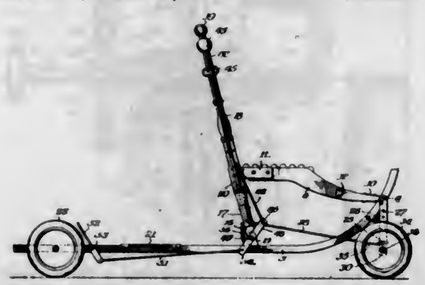
1,633,361. CORD-ACTUATED BURGLAR ALARM. NILES BRYANT, Battle Creek, Mich. Filed Dec. 21, 1925. Serial No. 76,785. 3 Claims. (Cl. 116—81.)



2. In a burglar alarm, the combination of a tubular barrel, a longitudinal slot with cross cocking notch, a firing bolt and firing pin with a spring for actuating the

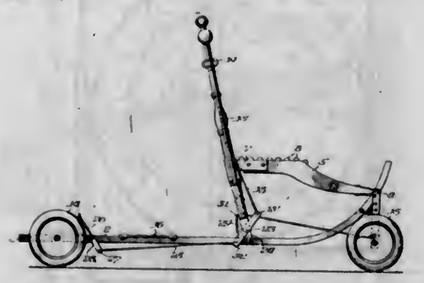
same within said barrel and a cross trip pin with eye at its outer end on the bolt adapted to reciprocate in the longitudinal slot and engage the said notch, a removable cartridge chamber block at the lower end of said barrel, a cross pin or guide with an eye in its end carried by said barrel and disposed in angular relation to the trip pin when cocked, and a trip cord disposed through the said guide eye through the said trip pin and secured to the bottom of the barrel, all coacting substantially as described for the purpose specified.

1,633,362. PUSH SLED. MARTIN O. CARLSON, Chicago, Ill. Filed Dec. 10, 1924. Serial No. 754,931. 3 Claims. (Cl. 280—8.)



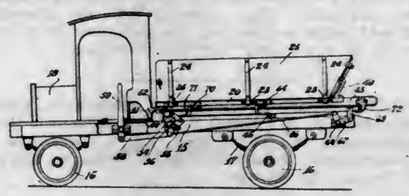
1. In a push sled having a pair of runners, a brace connecting said runners at their front ends, steering handles rising from the runners rearward of said brace, a cross bar connecting said handles, a detachable yoke connected to said runners ahead of said handles, and wheels pivotally mounted upon said yoke for steering, a connection between said wheels whereby they may be cooperatively disposed for steering, and a steering lever operatively connected to one wheel and attached to and disposed adjacent one of said handles whereby said sled may be steered as a wheeled vehicle with the operator standing upright to the rear of the handles, said handles and cross-bar providing means whereby said sled may be steered when said wheels are removed.

1,633,363. PUSH-SLED BRAKE. MARTIN O. CARLSON, Chicago, Ill. Original application filed Dec. 10, 1924, Serial No. 754,931. Divided and this application filed Nov. 20, 1926. Serial No. 149,562. 3 Claims. (Cl. 188—8.)



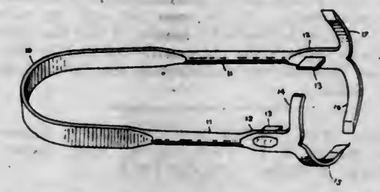
1. In a push sled of the character described having runners and a pair of sled steering handles rising from the runners, and means connecting said handles together, fore and aft wheels on said runners, a hand brake lever extending upwardly adjacent said handles, a detachable brake for use on one of said wheels, and means adapted to serve as a brake when the vehicle is used as a sled and affording connection between said lever and wheel brake.

1,633,364. DUMPING VEHICLE. LOUIS DA COSTA CARVALHO, New Orleans, La. Filed Aug. 20, 1924. Serial No. 733,040. 13 Claims. (Cl. 298—12.)



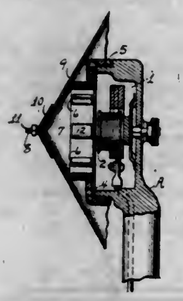
1. In a dumping vehicle, and in combination, a chassis, a body having a pivotal connection with the chassis whereby the body may tilt to dump the load, a gate for normally confining the load, and means for holding the gate closed prior to tilting of the body, said means being rendered inoperative by the weight of the load against the gate after a given tilting of the body, whereby the gate may then open automatically.

1,633,365. SEED-CORN SHELLER. HARRY E. EBMEIER, Bertrand, Nebr. Filed Feb. 21, 1927. Serial No. 170,067. 3 Claims. (Cl. 130—10.)



1. A device for stripping grains from ears of corn, said device including a U-shaped resilient handle portion, a single stripping tooth on each arm of said U-shaped portion, and arcuate portions projecting from the free extremities of said U-shaped portion, said arcuate portions being adapted to embrace the ear of corn.

1,633,366. SOUND AMPLIFIER. HERMANN FISCHER, Boston, Mass., assignor to Tower Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 4, 1926. Serial No. 85,828. 6 Claims. (Cl. 179—116.)

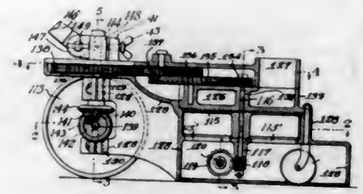


1. In combination with a coniform resonator having a free edge, of means for supporting and vibrating the resonator, comprising a diaphragm, means for vibrating the diaphragm and spaced webs rigidly connected to and extending transversely of the diaphragm, said webs being connected to the resonator.

6. In sound amplifying apparatus, a diaphragm, a magnet for vibrating the diaphragm, a resonator having

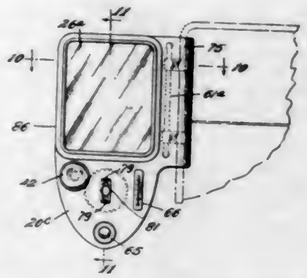
a free edge and means for both supporting and transmitting vibration to the resonator, comprising a rigid metallic carrier for the resonator having a marginal edge and means for supporting the carrier about its marginal edge, said means being connected with the diaphragm and said means transmitting the vibrations of the diaphragm to the carrier and the resonator.

1,633,367. SUCTION CLEANER. THOMAS W. GREEN, Westmont, N. J., assignor to Thomas Wilbraham Green Engineering Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 9, 1922. Serial No. 593,197. 6 Claims. (Cl. 15—18.)



2. In a suction sweeper a horizontal shaft, driving wheels thereon, a vertical shaft with which the horizontal shaft swings bodily, gearing rotatably mounted on the vertical shaft, a handle connected with the vertical shaft to swing horizontally, a shoe, a fan and driving connections between the fan and the gearing on the one side and between the gearing and the driving wheels on the other.

1,633,368. WIND DEFLECTOR. WILLIAM P. HAMMOND, East Orange, N. J. Filed Jan. 19, 1923. Serial No. 613,574. 3 Claims. (Cl. 296—84.)



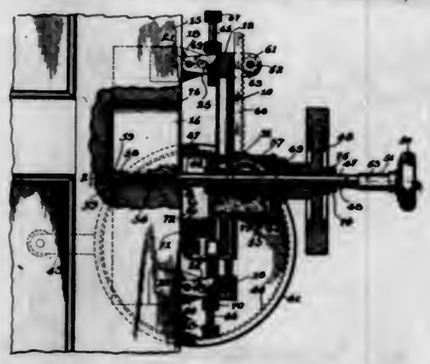
3. A wind deflector for automobiles comprising an integral sheet metal plate having a sight opening therein, means to support said plate adjacent the automobile windshield, a glass in said opening, and an integral flat portion of said sheet metal plate of substantial area below said opening adapted to support driving accessories.

1,633,369. ENVELOPE. WILLIAM H. HOLLAR, Jr., Drexel Hill, Pa. Filed June 12, 1926. Serial No. 115,526. 7 Claims. (Cl. 229—79.)



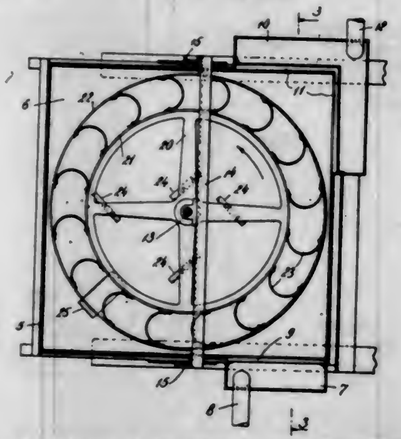
7. The combination with an envelope; of holding means for securing an imperforate article in the envelope inclosure, including an element arranged to encircle the exterior of said article and having a protruding element extending exterior to said envelope; and frangible sealing means, upon the exterior of said envelope, arranged to engage said protruding element; whereby it is necessary to break said seal to release such article from said envelope.

1,633,370. DOOR-LOCK-MORTISING MACHINE. SAMUEL HUNTER, Bellevue, Pa., assignor to Wappat Gear Works, a Corporation of Pennsylvania. Filed July 5, 1923. Serial No. 649,522. 1 Claim. (Cl. 144—70.)



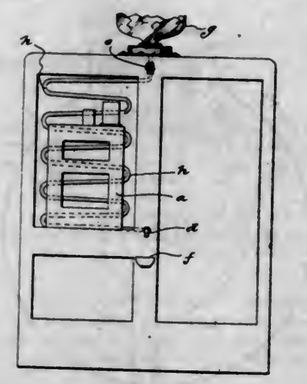
A door mortising machine, comprising a frame, means for clamping the frame in position, a driving mechanism slidable along the frame, a boring shaft carried by the driving mechanism, said shaft comprising a section having a shallow spiral groove, and a spline groove extending along the shaft, including said section, a feather carried by the driving mechanism engaging said spline groove, and a boring tool carried by the end of the shaft, said tool comprising a pair of opposing curved blades adapted to cut upon their front edge and also upon their side edges, and said shaft being of a diameter approximating that of the tool.

1,633,371. CLASSIFIER. HARRISON STREETER COE, Lawrence, Kans. Filed Nov. 12, 1923. Serial No. 674,105. 11 Claims. (Cl. 209—465.)



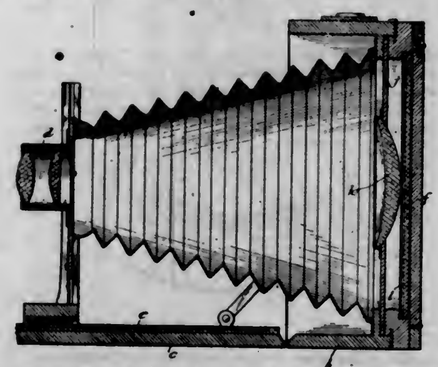
1. An apparatus of the character described comprising a vessel having an inclined bottom surface of which a substantial area thereof is above the normal operating liquid level in the vessel and constitutes a draining area, said draining area of said inclined bottom surface having a solids discharge associated therewith, and a conveying element operatively mounted in proximity to said bottom surface and provided with a plurality of scoop-like members having an inner wall formed to oppose downward flow of the solids during upward travel, forming pockets adapted to move through the pulp in said vessel and gather up and remove therefrom a quantity of solid material and to carry such solid material along an annular path across said draining area to said solids discharge while permitting the drainage of liquid from such solid material as the same is carried along said path, and said vessel having an overflow outlet for liquid by which the liquid portion of the pulp is discharged from the apparatus.

1,633,372. FLASH WATER COOLER. LLOYD G. COPEMAN, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a Corporation of Michigan. Filed Feb. 15, 1926. Serial No. 88,342. 4 Claims. (Cl. 62—141.)



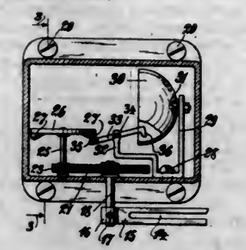
3. In a refrigerator, the combination of a cabinet, means for establishing a freezing zone in a portion of the cabinet, a pipe for running water for drinking purposes running through said frigid zone and terminating in an open spigot, and means in the rear of a point where the pipe enters the frigid zone for controlling the running of water through said pipe.

1,633,373. PHOTOGRAPHIC CAMERA. NATHANIEL B. CREGIER, Chicago, Ill. Filed Apr. 30, 1921. Serial No. 465,889. 1 Claim. (Cl. 95—11.)



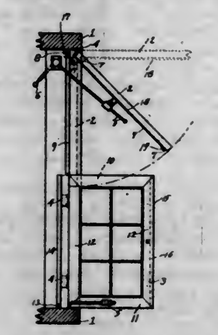
In a camera, the combination with a box, of an object lens, a holder for a sensitized element, and a meniscus lens with its concave face towards the object lens placed in front of and adjacent the sensitized element, for the purpose described.

1,633,374. AUDIBLE ALARM. CHARLES DENSER, New Brighton, Pa. Filed Jan. 6, 1926. Serial No. 79,525. 2 Claims. (Cl. 116—86.)



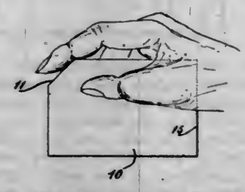
2. An audible alarm comprising a casing adjacent a door, a driving and a driven spindle vertically journaled therein, said driving spindle being in alignment with the hinges of the door, a train of gears operated by said driving spindle, a cam fixed on said driven spindle, a lever fixed to said driving spindle, said lever being connected to the door, a bracket in said casing, a lever fulcrumed on one arm of said bracket operable by the action of said cam, said lever having a hammer at one of its ends, and a bell on the other arm of said bracket, sounded by the hammer end of said lever.

1,633,375. AWNING CASEMENT WINDOW. JAMES G. DUDLEY, New York, N. Y. Filed Oct. 19, 1921. Serial No. 508,714. 2 Claims. (Cl. 20—53.)



1. In combination, a window frame and upper and lower windows therein, the said lower window hung to swing upon a vertical axis and the said upper window hung to swing upon a horizontal axis, and stops for the said upper and lower windows, the stops for the said lower window being inset beyond the stops for the said upper window.

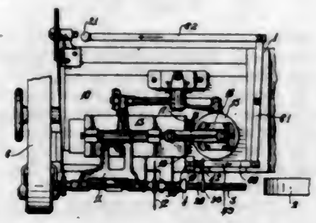
1,633,376. LANTERN SLIDE. JOHN R. FREEMAN, Providence, R. I. Filed Nov. 10, 1923. Serial No. 674,085. 8 Claims. (Cl. 88—26.)



1. A lantern slide adapted to co-function with a plurality of lantern slides, said slide comprising a picture containing plate having a clipped corner, a glass cover

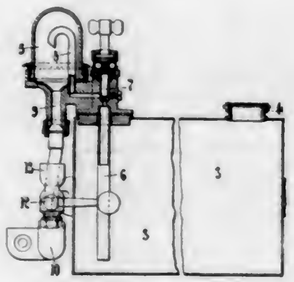
having a clipped corner, and means for securing the glass cover to said plate with the clipped corners registering with one another whereby the slides would cofunction with one another to facilitate arranging them in proper position preparatory to insertion in a projecting machine and whereby each slide would individually function to facilitate proper insertion in a projecting machine.

1,633,377. DELIVERY-CONTROL DEVICE FOR CIGARETTE-MAKING MACHINES. WILLIAM F. GRUPE, Hudson Heights, N. J., assignor to Endless Belt Corporation, Inc., a Corporation of New York. Filed Sept. 25, 1919. Serial No. 326,289. 8 Claims. (Cl. 131—39.)



1. A cigarette making machine comprising a cigarette-rod-forming mechanism including a forming shoe, a pulley for locating a tube belt in operative relation through said forming shoe, means for imparting movement of the tube belt over said pulley and through said forming shoe, a shaft for driving said cigarette making machine including said tube belt movement imparting means and a clutch for said shaft, means for actuating said clutch, said clutch actuating means being disposed relative to the normal path of a cigarette-rod formed by said cigarette-rod-forming mechanism to be ineffective under the condition of the normal formation of a cigarette-rod and to be effective for actuating said clutch under the condition of abnormal formation of a cigarette-rod.

1,633,378. LUBRICATING MEANS FOR INTERNAL-COMBUSTION ENGINES. JAMES HENRY HEYWOOD, Radcliffe, England, assignor to Cylinder Top Oilers, Limited, Leeds, England. Filed Oct. 15, 1926, Serial No. 141,797, and in Great Britain Oct. 19, 1925. 3 Claims. (Cl. 123—196.)

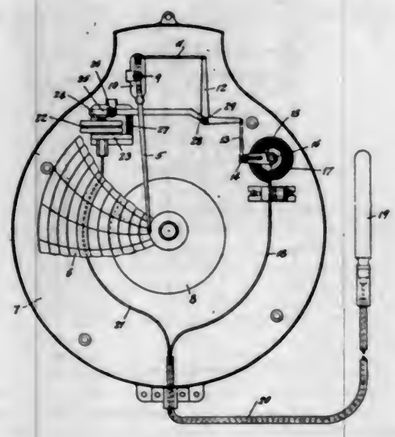


1. Combined means for lubricating the cylinders of internal combustion engines and the admission of extra air during running, comprising a lubricant-containing reservoir provided with an adjustable drip feed or delivery connected with the induction pipe or manifold, said connection having a valve controlled communication with the atmosphere, whereby the suction of the engine is adapted to draw a regulated supply of lubricant and, if desired, also extra air into the cylinder or cylinders, substantially as herein set forth.

1,633,379. MUSHROOM PASTE. ADOLPH G. HUPFEL, Jr., and THOMAS M. RECTOR, New York, N. Y., assignors, by direct and mesne assignments, to Hellman-Hupfel, Inc., New York, N. Y., a Corporation of New York. Filed May 2, 1922. Serial No. 557,970. 4 Claims. (Cl. 99—11.)

1. A prepared food product comprising a paste of raw mushrooms in which the natural juices are retained and which is characterized by the flavor and aroma of fresh mushrooms, a preservative, and a thickening agent.

1,633,380. COMPENSATING MEANS FOR RECORDING AND INDICATING INSTRUMENTS. LAWRENCE C. IRWIN, Brooklyn, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a Corporation of New York. Filed June 20, 1925. Serial No. 38,484. 2 Claims. (Cl. 73—118.)



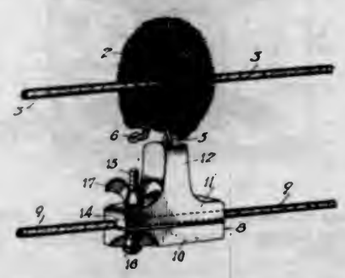
1. In a distance-type thermometer, a bulb, a pressure-sensitive device, an indicator adapted to be actuated by said device, a capillary tube connecting said bulb with said device, a protecting tube enclosing at least a part of the capillary tube and spaced therefrom to provide an annular gas-containing chamber, a second pressure-sensitive device connected to said chamber, and compensating means operated by the second pressure-sensitive device for varying the movements of said indicator.

1,633,381. FASTENING DEVICE FOR WRIST-WATCH STRAPS AND BRACELETS. CHARLES H. KESTENMAN, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 12, 1927. Serial No. 167,839. 5 Claims. (Cl. 24—71.)



1. In a fastening device for straps, bracelets or the like, the combination of hinged members adapted to be folded together in overlying relation, means for attaching the end of a strap-section to one member, a projection on the other member adapted to engage through any one of a plurality of holes in the other strap-section to adjustably attach the latter thereto, and means on the first member for yieldingly engaging the projection on the second member to clasp the parts in closed or folded relation.

1,633,382. CLOTHESLINE CLEANER. HENRY KOERTER, Irvington, N. J. Filed May 8, 1926. Serial No. 107,621. 2 Claims. (Cl. 15—246.)

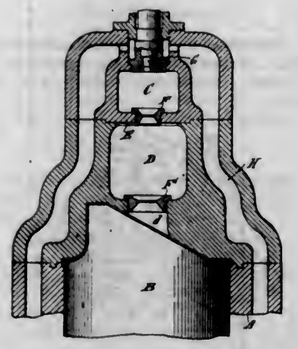


1. A cleaner for endless pulley clotheslines, comprising a length of flexible twisted wire brush bent into curved form with the bristles at the inside of the curve projecting toward each other and the ends of the wire separable to permit the entrance of one run of the clothes-line, and a clamp for the other run of the clothes-line, said brush being removably mounted upon said clamp.

1,633,383. FIRE-EXTINGUISHING LIQUID. KONRAD KUNIERACHKY, Eisenach, and WILLI SCHULTZE, Halle-on-the-Saale, Germany. Filed Mar. 16, 1926, Serial No. 95,148, and in Germany Mar. 3, 1925. 4 Claims. (Cl. 23—12.)

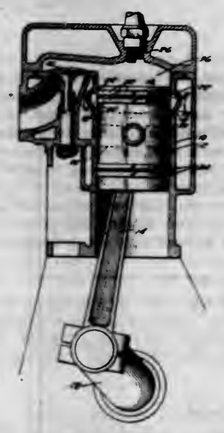
1. Fire-extinguisher comprising a mixture of liquefied sulphur dioxide with carbon tetrachloride.

1,633,384. INTERNAL-COMBUSTION ENGINE. CHARLES E. LUCKE, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 25, 1921. Serial No. 487,258. 1 Claim. (Cl. 123—33.)



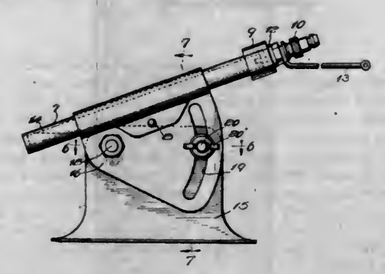
An internal combustion engine of the Diesel type in which the volume swept by the piston is so related to the clearance that an ignition temperature is produced by compression in all parts of the clearance, said engine having a cylinder, a piston, and a liquid fuel supplying means, and also having a pre-combustion space constituting substantially all the clearance behind the piston, said space being divided into two pre-combustion chambers having only a restricted communication wth each other, one chamber constituting a primary pre-combusion chamber arranged to receive fuel directly from the fuel supplying means and by partial combustion to drive fuel to the other chamber, the latter chamber constituting a secondary pre-combustion chamber and being in continuous restricted communication directly with the cylinder, said secondary pre-combustion chamber being arranged to receive fuel from the primary pre-combustion chamber and to project it mixed with air into the cylinder, both pre-combustion chambers being water-jacketed whereby their walls are prevented from reaching an igniting temperature.

1,633,385. PROGRESSIVE-IMPULSE INTERNAL-COMBUSTION ENGINE. ARLINGTON MOORE, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, a Corporation of Delaware. Filed July 3, 1925. Serial No. 41,442. 4 Claims. (Cl. 123—37.)



1. Cylinder for internal combustion engine having gas pockets in its wall abruptly recessed at the top and relatively taperingly recessed at the bottom.

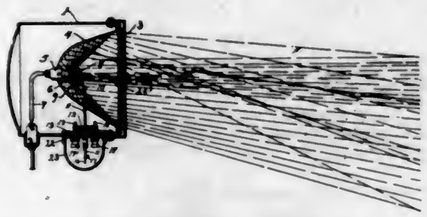
1,633,386. ENGINE-STOPPING DEVICE. JOHN J. RUTLEDGE, Joliet, Ill., assignor of one-half to John H. Harrison, Joliet, Ill. Filed Dec. 1, 1921. Serial No. 519,239. 1 Claim. (Cl. 200—52.)



Circuit interrupting apparatus comprising a metallic tube adapted to hold a quantity of mercury, a substantially L-shaped bracket having one of its legs vertically disposed and having bolt holes in the other of its legs, a second bracket pivoted to said vertical leg and provided with an arcuate slot, a bolt carried by the first-mentioned bracket and projecting through the arcuate slot, a wing nut for said bolt whereby said second bracket may be secured in a plurality of adjusted positions relative

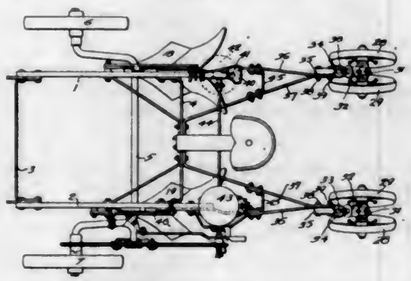
to said first bracket, said second bracket having one of its marginal portions folded tightly around said metallic tube and riveted to another portion of the second bracket, and an electrode projecting into one end of the metallic tube and insulated therefrom.

1,633,387. HEADLIGHT. ROLAND H. SHIPPEY and HARRY D. VAN LEUNEN, Wichita, Kans. Filed Oct. 30, 1925. Serial No. 65,785. 1 Claim. (Cl. 240—41.)



In a head light, the combination of a housing, a reflector, electric lighting means, of a lens, said lens adapted to intensify and direct light rays of said lighting means, a vertically disposed tube supporting said lens, a ball plate, a sleeve concentrically mounted in said ball plate, said tube slideably engaging in said sleeve, means for binding said tube in said sleeve at a fixed position, a socket bearing for said ball plate and a plurality of screws as rocking and binding means for said plate by which said lens is positioned as desired in front of said lighting means.

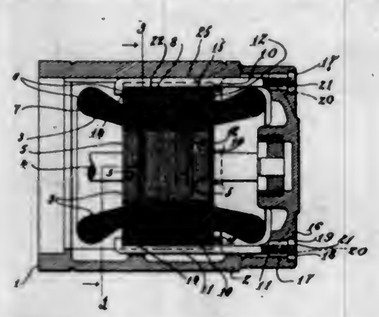
1,633,388. LISTER AND PLANTER. WALTER H. SILVER, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 23, 1922. Serial No. 583,789. 3 Claims. (Cl. 111—52.)



1. In an agricultural implement, the combination with a wheel supported frame comprising plow beams fixedly secured at opposite sides thereof, and having fixed downwardly extending standards provided with faces at the sides thereof, of furrow openers adapted to be secured to said standards, each of said furrow openers having a frog secured thereto, said frog having a central vertical web extending rearwardly therefrom and adapted to overlie, alternatively, either side face of one of said standards, and means extending transversely of said web and standard for securing the web to its standard at either side thereof.

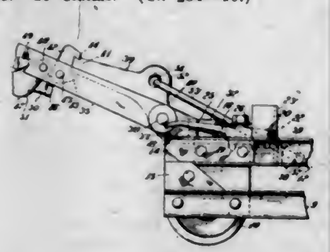
1,633,389. ELECTRIC TOOL. WALTER STUMPF, Baltimore, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a Corporation of Maryland. Filed Mar. 15, 1926. Serial No. 94,808. 3 Claims. (Cl. 172—36.)

3. In an electric tool, a tool casing, a motor fitting inside the tool casing, the motor having a stator, the casing having a shoulder engaging the stator from one side, a tension member having an abutment engaging the stator from the other side, and means for taking up on the tension member to grip the stator between the abut-



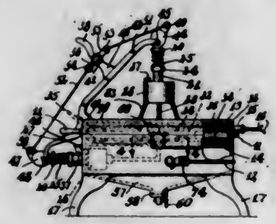
ment and the shoulder, the stator having a groove and the casing having an opposed groove and a key engaging both grooves.

1,633,390. LIFTING TRUCK. ARTHUR M. BARRETT, Winnetka, Ill. Filed Dec. 24, 1921. Serial No. 524,628. 15 Claims. (Cl. 254—10.)



1. A lifting truck comprising a main frame, a steering head, a lifting platform, a steering handle pivotally connected with the steering head to swing vertically, a lifting lever also pivotally connected with said steering head to swing vertically, a rigid draft member connecting said lever and the platform, and means operable to connect or disconnect said lever and the steering handle.

1,633,391. AUTOMATIC TOASTING AND BUTTERING MACHINE. IRVING BESKIN, Jersey City, N. J. Filed Feb. 23, 1926. Serial No. 89,839. 4 Claims. (Cl. 91—43.)



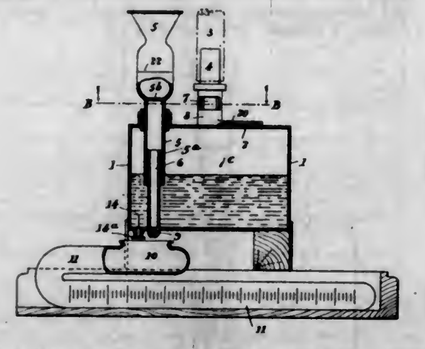
1. In a device of the class described a means of spraying butter in liquid form on the bread to be toasted comprising a pump element consisting of a plunger having a packing washer attached at its lower extremity, and a knob attached at its upper extremity, said plunger a slidable fit in a cylinder having a plurality of apertures located directly below the upper position of the said plunger, a coil spring, superimposed, to hold the said

plunger, in a normally extended position, the said cylinder mounted in a container provided with an outlet at its lower extremity, said outlet intercommunicative with a cylinder and having a ball check valve normally held in a closed position by a spring, a pipe connected to the said pipe having its extremities closed, a plurality of second pipes connected to and intercommunicative with the said pipe, said pipe and said second pipes having a plurality of apertures.

1,633,392. SEDATIVE AND HYPNOTIC UREIDES. FRIEDRICH BOEDECKER, Berlin-Dahlem, Germany. Filed Sept. 9, 1926, Serial No. 134,567, and in Germany Mar. 3, 1923. 8 Claims. (Cl. 260—125.)

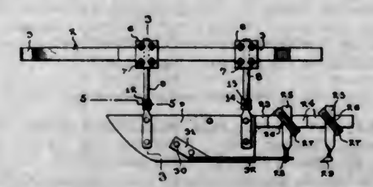
1. As an article of manufacture and trade, a sedative and hypnotic compound consisting of the ureide of a di-alkyl substituted acetic acid, one of the alkyl radicals at least being non-saturated.

1,633,393. MEANS FOR MEASURING RESPIRED AIR IN TESTING THE LUNGS. HAYDN BROWN, London, England. Filed Jan. 31, 1924, Serial No. 689,762, and in Great Britain Feb. 2, 1923. 3 Claims. (Cl. 73—112.)



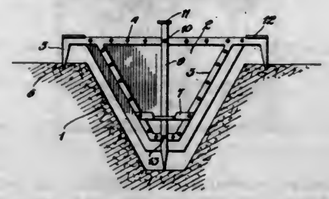
1. A device for testing the lungs, comprising a vessel adapted to contain liquid, and tubular means associated with said vessel whereby expired air is passed into the vessel above the liquid, in combination with a volumetric measuring element and tube means within said vessel having a relatively small aperture and leading from the liquid in the vessel to said measuring element, said tube means being arranged with a visible portion above the closed vessel so that the variations in pressure on the liquid can be observed by watching the level of the liquid in the visible portion of the tube means.

1,633,394. ATTACHMENT FOR CULTIVATORS. PAUL A. CALDWELL, Tell, Tex. Filed Oct. 24, 1925. Serial No. 64,621. 3 Claims. (Cl. 97—179.)



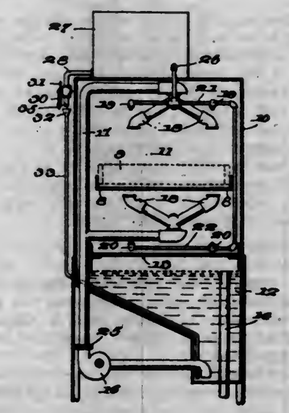
1. In a cultivator attachment, the combination with a cultivator frame provided with suspended beams, of opposed runners provided with shanks, means for adjustably securing the shanks to the sides of the beams to permit of vertical adjustment of the runners, and means interconnecting the shanks of the runners to rigidly connect the same and adjustable to maintain the parallel relation of the runners irrespective of the horizontal relation of the two.

1,633,395. IRRIGATION DOOR. SVANTE A. CARLSSON, Lethbridge, Alberta, Canada. Filed Apr. 28, 1926. Serial No. 105,270. 1 Claim. (Cl. 61—29.)



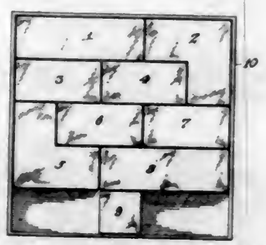
The herein described irrigation door consisting essentially of a body plate, a continuous, one-piece reinforcing frame arranged at one side of and fixed to said body plate and having upper and lower and side bars, the upper bar terminating in lateral extensions extending beyond the side edges of the body plate and provided at their outer ends with pendent prongs constituting side anchors, superposed plates fixed on the upper bar of the frame and constituting horizontally disposed foot pieces, an apertured bar interposed between and fixed to the side bars at intermediate points in the length of the latter, and a vertical central anchor connected with the body plate and with the upper and lower bars of the reinforcing frame and extending through said apertured bar and also extending above and below the body plate and provided at its upper end with a head disposed in a horizontal plane above that of said foot pieces.

1,633,396. DISHWASHING MACHINE. DAVID X. CLARIN, New York, N. Y., assignor to Oakite Products, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 24, 1926. Serial No. 156,826. 5 Claims. (Cl. 141—9.)



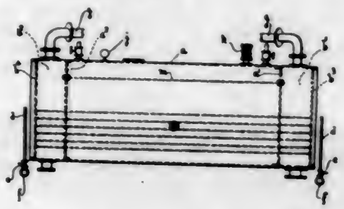
3. In a dishwashing machine, a dish chamber, a conduit for supplying water thereto, a receptacle adapted to receive water from said chamber, a container for a cleansing agent, a connection leading from said container to said receptacle, and interconnected valves for controlling the flow through said conduit and said connection.

1,633,397. AMUSEMENT DEVICE. CHARLES L. A. DIAMOND, Newburgh, N. Y. Filed Jan. 12, 1927. Serial No. 160,684. 3 Claims. (Cl. 273—132.)



1. A puzzle consisting of a plurality of juxtaposed pieces of relatively different sizes and shapes confined for slidable movement longitudinally and transversely of a limited area, certain of said pieces being of substantially rectangular formation and corresponding size, others of the pieces being complementally sized and of substantially rectangular formation but of less size than the first pieces, a smaller and substantially square piece, and a plurality of relatively opposed L-shaped pieces.

1,633,398. STEAM BOILER AND EVAPORATOR. WILLIAM DONALD, Glasgow, Scotland. Filed Dec. 9, 1925, Serial No. 74,403, and in Great Britain Dec. 17, 1924. 8 Claims. (Cl. 22—51.)



1. An apparatus for steam raising, boiling and evaporating liquids comprising a horizontal boiler, fire tubes extending longitudinally therethrough, smoke boxes at each end of the boiler, firing chambers located intermediate between the boiler ends and smoke boxes, substantially half of said tubes extending from the firing chamber at one end of the boiler to the smoke box at the other end thereof, and the remainder of the fire tubes extending from the other firing chamber to the smoke box at the other end of the boiler, and burners located in both firing chambers to simultaneously supply heat to the fire tubes which terminate therein.

1,633,399. INSULATOR FITTING. GRANDON H. ECKERT, East Liverpool, Ohio, assignor to The R. Thomas & Sons Co., East Liverpool, Ohio, a Corporation of Ohio. Filed Dec. 28, 1920. Serial No. 433,565. 1 Claim. (Cl. 287—10.)

A terminal fitting for link-type insulators, said fitting comprising a hollow casting affording an interior chamber bounded by spaced side walls and spaced top and bottom walls, the bottom wall being concaved and the top wall being arched, and the side walls converging toward opposite ends of the casting, the bottom wall of the chamber adjacent its opposite ends being shaped to afford interior seats for the anchor heads of an associated U-link, and the top wall being shaped at an intermediate point to afford an interior seat for the anchor head of a suspension device, one of the side walls of the fitting being apertured to afford three T-slot gates, two of which extend through the bottom wall of the chamber to accommodate the shanks of the U-link when its anchor heads rest in the seats in said bottom wall, and one of which extends through the top wall of the fitting to accommodate the shank of the suspension device when its anchor head rests in the intermediate seat, the opposite



side wall of the fitting being apertured adjacent the top wall of the fitting at opposite ends thereof and substantially in register with said T-slot gates, and also being apertured adjacent the bottom wall of the fitting at a point substantially in register with the intermediate T-slot gate, said apertures serving to accommodate filler pins which prevent the inserted anchor heads from escaping through the T-slot gates of the fitting.

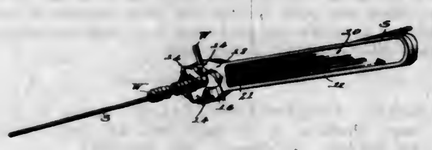
1,633,400. BREAST DRILL. THOMAS J. FEGLEY and GEORGE O. LEOPOLD, Philadelphia, Pa., assignors to North Bro's M'f'g. Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 71,446. 2 Claims. (Cl. 145—67.)



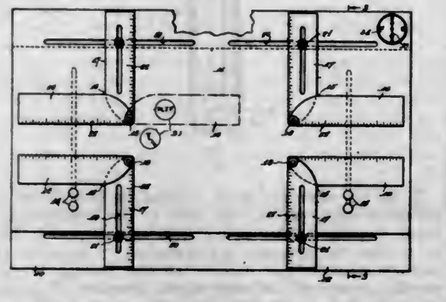
1. The combination in a breast drill, of a frame having bearings for the drilling mechanism; a spindle mounted in said bearings, said spindle having an annular groove at the inner end; a segmental recess in the frame; a handle having a ferrule cut away to fit the segmental recess; a segmental key located in the frame and extending into the annular groove in the spindle; a threaded sleeve adapted to an external thread on the frame; and a split-ring located in the groove in the ferrule of the handle, the sleeve fitting over the ring and acting to retain the handle to the frame and lock the key, through the medium of the ferrule, to the spindle.

1,633,401. TOOL FOR WRAPPING WIRE. JACOB FISHER, Wabash, Ind. Filed Nov. 28, 1923. Serial No. 677,508. 2 Claims. (Cl. 140—117.)

1. A tool for use in wrapping wire comprising a handle having a working head provided with spaced lateral fingers for engaging the wrapping wire, the adjacent faces of the fingers being oppositely curved, said head having a radial slot projecting inwardly beyond the center of said head, a second handle pivoted on the first-mentioned handle and provided with a head in contact with the first-mentioned head and having a slot at substantially right angles to the slot in the first-mentioned head, the provision of the slot in the second-mentioned head forming a latch adapted to be disposed transversely across the outer free end of the first-mentioned slot, said latch being adapted to engage the wire for releasably forcing the same when the handles are in alignment in frictional contact with the inner end of the first-mentioned slot.



1,633,402. PLOTTING DEVICE. JAMES B. FURBER, Linden, N. J., and KARL L. RANKIN, New York, N. Y. Filed Feb. 5, 1926. Serial No. 86,276. 9 Claims. (Cl. 35—16.)



1. A device of the character described comprising a plate, and plotting elements each slidably connected with the plate so as to be adjustable with respect to said plate, each of said plotting elements comprising members pivotally connected together to permit changes in their angular relationship.

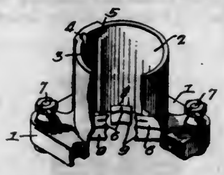
1,633,403. IRONING BOARD. FRANK D. GORMAN, New York, N. Y. Filed Aug. 26, 1926. Serial No. 131,704. 4 Claims. (Cl. 68—10.)



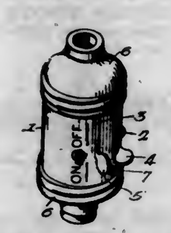
1. An ironing board having a slot therein, a stationary stud projecting above the surface of the board, a second stud projecting above the surface of the board and mounted for adjustment along the slot in the board.

1,633,404. TUBE SOCKET. MONROE GUETT, Hartford, Conn., assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 28, 1925. Serial No. 12,278. 1 Claim. (Cl. 173—328.)

The combination in a socket, of a base having a tubular extension; binding posts on the base; spring contact plates extending from the binding posts into the opening in the socket; non-elastic plates, also secured to the binding posts and extending under the spring contact plates to limit their movement; and means for attaching a tube to the socket.

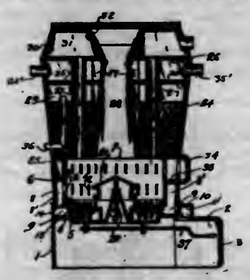


1,633,405. SWITCH. MONROE GUETT, Hartford, Conn., assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 6, 1925. Serial No. 13,580. 1 Claim. (Cl. 200—5.)



The combination in an electric switch, of a casing having two parallel slots therein; and two levers arranged side by side, one lever projecting through one slot and the other lever projecting through the other slot, each lever being provided with a finger pad, the pad of one lever being at right angles to the pad of the other lever.

1,633,406. CAST-IRON STEAM-HEATING FURNACE. WILLIAM A. HAGSTRUM, Columbus, Ohio. Filed Sept. 12, 1925. Serial No. 56,055. 2 Claims. (Cl. 110—1.)



1. A furnace of the class described, comprising a fire pot, a boiler mounted on the fire pot, said fire pot comprising spaced walls to provide an air chamber, means for permitting the egress of air from the chamber into the fire pot, means for conducting air to the chamber, a ring mounted in the fire pot, standards supported by the ring, a bolt adjustably supported by the standards, a conical spreader mounted on the bolt and adjustable therewith, and means for guiding the spreader in its movement.

1,633,407. ANTISPLASH DEVICE FOR STORAGE BATTERIES. ABRAHAM HALIKMAN, New York, N. Y. Filed May 11, 1926. Serial No. 108,857. 1 Claim. (Cl. 136—163.)

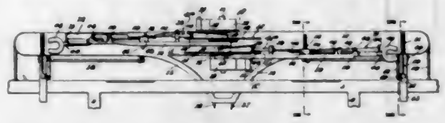
In a storage battery, a tubular filling member formed with a main bore and a bottom having an opening extending therethrough of an appreciably less diameter

than said main bore, said filling member being internally threaded at its outer end, a funnel-shaped container having a tapering portion and an externally threaded cylindrical portion, said cylindrical portion being screwed into



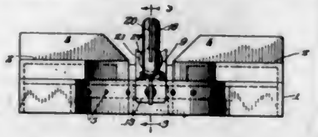
the threaded part of said filling member, said funnel-shaped container also being formed at its outer end with a threaded cylindrical section, and a closure cap normally screwed onto said threaded section.

1,633,408. MUSIC-SHEET TURNER. STEVE HALMI, Yonkers, N. Y. Filed Sept. 10, 1925. Serial No. 55,516. 15 Claims. (Cl. 84—521.)



6. In a music sheet turner, the combination with a music rack, of a pair of tensioned sheet turning arms, a shaft pivotally supporting the same, a pinion fixed to each arm and journaled on the shaft, a sliding rack bar meshing with each pinion, operating cords attached to the rack bars, a sheet clamp at each end of the music rack, separate operating means for each clamp, a part of the operating means being arranged in the path of movement of the arms, a sheet carrying magnet carried by each arm adapted to engage said part of the operating means to move the same transversely of the arm and permit closing of the sheet clamp, the magnet being pivotally supported on the arm, a tensioned rod on the arm connected to the magnet and a cam device associated with the rod for moving the magnet into sheet engaging position and permitting return thereof for operating the part of the operating means.

1,633,409. MITER BOX. EDWARD A. HOOVER, Bradley, and WILLIAM C. KIRCHNER, Kankakee, Ill. Filed June 3, 1925. Serial No. 34,517. 3 Claims. (Cl. 143—88.)



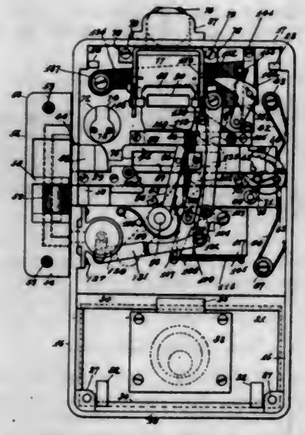
1. A miter box having, in combination, a base comprising raised end portions and an intermediate sector portion, said end portions forming a divided work table, a divided back, a member pivotally mounted on said sector portion for adjustment about a vertical axis in the plane of said back, means to secure said member in its adjusted position, said member having bearings at each end thereof and a bearing trough semicircular in section throughout its length, a U-shaped saw frame pivoted in said member and adjustable about a horizontal axis in the plane of said work table, said saw frame comprising a cylindrically surfaced cross bar coacting with said bearings and trough, and a pair of bifurcated arms extending perpendicular thereto adapted to guide a saw across said table, said cross bar having its central portion between said bearings reduced in section so as not to extend above the plane of the said table, said member having a plate member depending from one end thereof, said saw frame having a guide member depending therefrom adjacent said plate member, and means to clamp said plate member and guide member in fixed relation to secure said saw frame in its adjusted position and against longitudinal movement.

1,633,410. THERMOSTATIC VALVE. MOSES G. HUBBARD, Chatham, N. J. Filed Feb. 12, 1924. Serial No. 692,222. 15 Claims. (Cl. 236—66.)



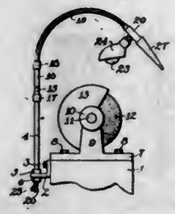
1. An air valve for steam heating systems having an apertured seat open at one side to the atmosphere, a freely movable member on the other side adapted to open or to close the aperture, a thermostat for operating the movable member, said movable member moving to open position whenever the atmospheric pressure is greater than the pressure inside the system and movable by gravity when the thermostat is cold.

1,633,411. COIN-CONTROLLED LOCK. FREDERICK W. KASSLER, St. Louis, Mo. Filed Dec. 29, 1925. Serial No. 78,206. 14 Claims. (Cl. 194—74.)



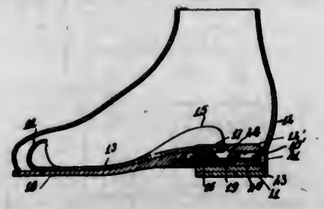
1. In a coin controlled lock, a locking bolt normally spring projected into locking position, means operative upon insertion of a coin for retracting said bolt, automatically acting means for latching said bolt in retracted position, and means operative only after said bolt has been fully retracted and latched for shifting the coin to inoperative position.

1,633,412. EYE AND FACE SHIELD FOR GRINDING WHEELS. THOMAS J. KELLEHER, Chicago, Ill. Filed Aug. 22, 1925. Serial No. 51,800. 1 Claim. (Cl. 51—272.)



In an eye and face shield, a vertical tubular member, an additional tubular member and a non-extensible flexible tubular member mounted at one end on said additional tubular member in combination with a lamp, a frame, a transparent member slidably mounted in said frame, a tubular connection, said lamp mounted on said connection, a bolt extending through said frame and into said connection, an eccentric washer on said bolt interposed between said frame and said connection, and said connection secured on said non-extensible tubular member, and electric conductors extending through all said tubular members and in electric connection with said lamp; whereby adjustment of said lamp to illumine work necessarily adjusts said transparent member between said work and the workman doing said work.

1,633,413. ADJUSTABLE SHOE. STEFANO LA MARCA, Brooklyn, N. Y. Filed Feb. 2, 1926. Serial No. 85,481. 3 Claims. (Cl. 36—1.)



3. The combination with a shoe, of an inner sole therefor adapted to be moved bodily with respect to said shoe, arch supporting means on said inner sole, a tubular member having an internally screw threaded aperture therein mounted on the lower surface of said inner sole, a threaded member journaled in said shoe and screw threaded into said tubular aperture, said threaded member being adapted to be rotated for moving said inner sole longitudinally of said shoe, and a toe receiving socket on the end of said inner sole adapted to restrict the forward movement of a foot within said shoe.

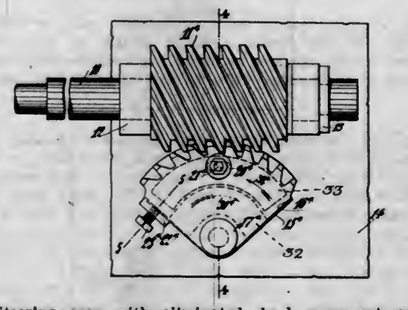
1,633,414. COMBINED LICENSE-PLATE AND IDENTIFICATION-CARD HOLDER. ADOLPH G. LORENZ, Little Rock, Ark. Filed Mar. 14, 1927. Serial No. 175,277. 2 Claims. (Cl. 40—63.)

1. In a vehicle license plate, an apertured portion having marginal forwardly offset circumferentially spaced bead sections and a rearwardly offset strap transverse of the apertured portion, disposed at one side of the diametrical center of the apertured portion, said strap having a medial slot and the said plate having a pair of



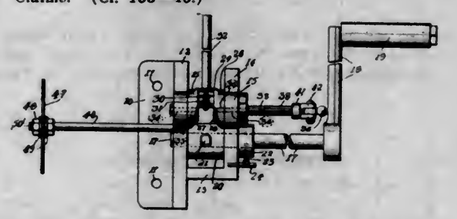
parallel slots for the reception of a sealing device coacting with the strap to seal the identification device in the apertured portion.

1,633,415. STEERING GEAR. WILLIAM OVERDICK, Brooklyn, N. Y. Filed Apr. 21, 1924. Serial No. 707,859. 1 Claim. (Cl. 74—79.)



Steering gear with eliminated dead movement comprising in combination a driving rod with a worm thread on it; a movement transmitting driven shaft; two essentially alike segmental disks on the driven shaft with circumferential gearings meshing with the said worm thread; a longitudinal slot in the toothed circumference of the one segmental disk and a screwed fastening pin extending from the other segmental disk through the said slot, with a fastening nut at the end of this pin; a lap-over at the one side of the one segmental disk near to its toothed circumference, and a set screw in this lap-over, adapted to bear on the other segmental disk; an arc shaped groove made in the one of the segmental disks in the medium zone between its turning center and the toothed circumference; an arc shaped rut or abutment below the toothed circumference of the lower segmental disk.

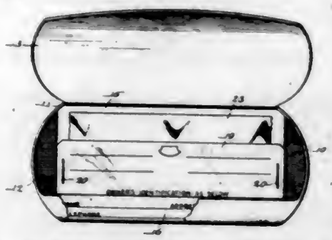
1,633,416. MACHINE FOR MAKING HOOK SUPPORTS. JOSEPH A. PEREIRA and FREDRICK ROBERTS, Yuba City, Calif. Filed July 23, 1926. Serial No. 124,470. 5 Claims. (Cl. 153—40.)



5. In a device of the character described, a base, a drum rotatably carried by the base having a hook adapted to engage a wire blank for coiling it about the drum, means supported by the base for forming eyes on the ends of

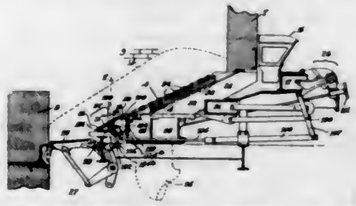
the wire blank including a pivoted wire former and a retractile core upon which each of the ends of the wire blank is coiled adapted to be retracted for moving the core out of the path of the eyes after said eyes are formed thereon.

1,633,417. EYEGLASS-CASE HOLDING AND PROTECTING DEVICE. DYER W. PERRY, Keene, N. H. Filed Dec. 2, 1926. Serial No. 152,198. 5 Claims. (Cl. 206—5.)



1. The combination with an eyeglass case, of means within the case having a glazed surface on which the lenses of the eyeglass may rest, and cushioning means acting in conjunction with the first mentioned means.

1,633,418. FURNACE GRATE. ERNEST B. PRIEBE, Inwood, N. Y., and DANIEL P. MINER, Providence, R. I.; said Miner assignor of his undivided one-half interest to Warren C. Drake, Inwood, N. Y. Filed June 25, 1921. Serial No. 480,394. 2 Claims. (Cl. 110—44.)



1. In a furnace grate having a plurality of parallel inclined fuel retorts discharging longitudinally, the combination therewith of an extension grate receiving burning fuel from the retorts and conducting it longitudinally towards a rear dumping point, consisting of numerous downwardly inclined longitudinal grate bars, with their upper sides in downwardly trending step formation, each bar having a larger vertical depth than either its transverse thickness or the height of each step and constructed with horizontal ribs at its two sides projecting into the spaces between the ribs of the adjacent grate bars to provide numerous air passages between the ribs and bars into the fuel bed.

1,633,419. ARTIFICIAL-MINNOW FISHHOOK. CHARLES M. REED, Kabletown, W. Va. Filed Nov. 26, 1926. Serial No. 150,936. 5 Claims. (Cl. 43—36.)



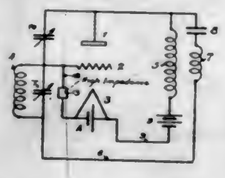
1. An artificial bait comprising a minnow, hooks adapted to occupy an inactive position within the minnow, retractable means for holding the hooks in said position, a main line secured to the minnow, a trip line secured to the main line and the means, and means adapted to move the hooks into active position beyond the minnow on the retraction of said first means.

1,633,420. CAP FOR CONTAINERS. WALTER SCHLAYER, Jamaica, New York, N. Y., assignor to Fred Schlayer, Woodhaven, Long Island, N. Y. Filed July 15, 1926. Serial No. 122,642. 6 Claims. (Cl. 221—60.)



1. A closure structure for a collapsible tube formed with a threaded outlet member, comprising a tubular threaded member screwed onto said threaded outlet member, said tubular threaded member having a discharge opening registering with the opening in said outlet member and an annular bead surrounding said discharge opening, a spring provided with a supporting plate, said spring surrounding said outlet member below said tubular member, a closure plate carried by said supporting plate, said supporting plate surrounding said tubular member normally held by said spring against said annular bead, said closure plate being formed with a depression, a packing member arranged in said depression and engaging said bead when the closure plate is in a closed position, means carried by said spring acting as a catch for normally holding the closure plate in a closed position, said spring normally tending to quickly move the closure plate to an open position when said catch is released.

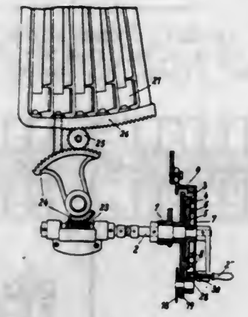
1,633,421. MEANS FOR PREVENTING RETROACTIVE EFFECTS IN AUDION AMPLIFIER CIRCUITS. GEORGE A. SOMERSALO, New York, N. Y. Filed Feb. 11, 1926. Serial No. 87,608. 14 Claims. (Cl. 179—171.)



1. An audion amplifier network comprising an alternating current plate filament circuit including an output inductance, an input circuit between grid and plate connected to the output circuit at a point between the plate and the output inductance and including an inductance inductively coupled to the inductance in the plate filament circuit whereby to neutralize the inherent capacity of the audion electrodes, and means for preventing high direct current voltage from reaching the grid.

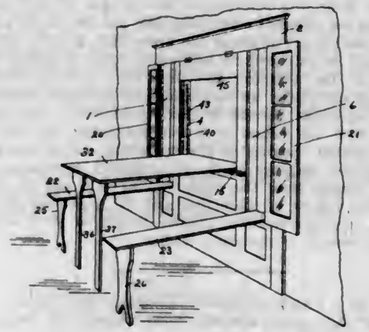
1,633,422. MATRIX-SETTING AND LINE-CASTING MACHINE. OTTO STERN, Berlin, Germany, assignor to the Firm: Standard Compositor Aktiengesellschaft, Berlin, Germany. Filed July 2, 1925, Serial No. 41,138, and in Germany Feb. 14, 1924. 8 Claims. (Cl. 199—45.)

1. In a matrix-setting and line-casting machine, the combination of a casing wheel adapted to receive a plurality of moulds, a casting device associated with said casting wheel, and an indicating device connected to said



casting wheel, said indicating device being adapted to indicate the temporary working positions of said casting wheel relatively to said casting device.

1,633,423. WALL FURNITURE. HARRY G. TALBOTT, Baltimore, Md. Filed Sept. 9, 1925. Serial No. 55,214. 1 Claim. (Cl. 45—51.)



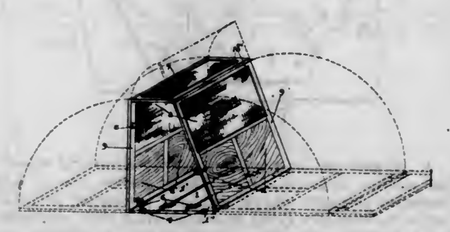
In wall furniture, a frame comprising a pair of end uprights and a pair of intermediate uprights provided on their inner sides with ways, a top board extending across and connecting the upper ends of the end and intermediate uprights, a strip connecting the intermediate uprights forward of the ways at a height suitable for supporting a table, a bar connecting each end upright to the adjacent intermediate upright at a height suitable for a bench so as to leave above it the space extending to the top board, a table having its inner edge provided with pivots extending into the ways on the inner sides of the intermediate uprights and adapted to be moved into the space between the intermediate uprights in rear of the table supporting bar and having a supporting leg at its free end, a bench in each of the spaces between the end uprights and the intermediate uprights hinged at its inner end and of a length sufficient to extend near the top board, provided with a supporting leg at its free end and having a length greater than the height of the table supporting bar, adapted to be swung into said space between an end upright and an intermediate upright, a door hinged to each end upright adapted to close the space between the end upright and the intermediate upright extending from the cross bar to the top board, a closure board hinged to the lower edge of the top board between the intermediate uprights adapted to close the upper end of the space between the intermediate uprights above the table supporting bar, and a slide movable in the ways in the inner sides of the intermediate uprights adapted to close the space above the table supporting bar and below the lower edge of the board hinged to the top board, said slide having a length not greater than the height of the table supporting bar.

1,633,424. LIQUID APPLICATOR. EDWARD THEMAK, New York, N. Y. Filed Sept. 23, 1925. Serial No. 58,179. 1 Claim. (Cl. 215—12.)



A liquid applicator comprising a container having a single minute opening at one end, said end being spherical, a casing covering and protecting said container, said casing being formed with a body and a cap having a spherical end, said body falling short of said container end, said body nearest the container end having a threaded section and a raised roughened bead at one end of the threaded section, said cap having a threaded section and a pad having a concave seat arranged within the spherical end thereof, said pad being adapted to engage the spherical end of said container and close said aperture, the length of the cap and body being such that the cap will be stopped in its movement as it is screwed onto the body by said roughened bead before an undesirable pressure is applied to said container by the pad on the cap.

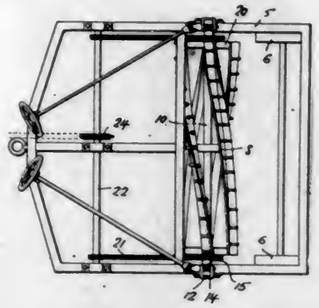
1,633,425. PORTABLE COLLAPSIBLE CRATE. WILLIAM D. THIXTON, Belmar, N. J. Filed Nov. 23, 1926. Serial No. 150,274. 1 Claim. (Cl. 217—47.)



A portable crate for the purpose set forth comprising a collapsible body portion formed of front, rear and top walls and a bottom, said top wall being foraminous, said front and said rear wall having the lower portion thereof imperforate and the upper portion thereof foraminus, means for hinging said front and rear walls at their lower ends to said bottom, means for hinging said

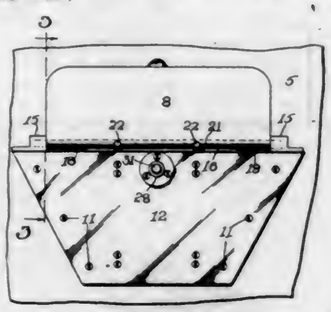
top wall to the upper end of the front wall, said top wall of less width than said bottom, a pair of foraminous side walls, means projecting laterally from the ends of said bottom for detachably supporting said side walls from the lower ends thereof in an upright position, said side walls of less height than the front and rear walls to form an opening at each side of the crate when set up, means for detachably connecting the top wall above said bottom to the upper end of said rear wall, and means for detachably connecting said side walls to the front and rear walls.

1,633,426. ROAD GRADER. EDWIN WALWORTH, Lincoln, Nebr. Filed July 3, 1926. Serial No. 120,340. 3 Claims. (Cl. 37—108.)



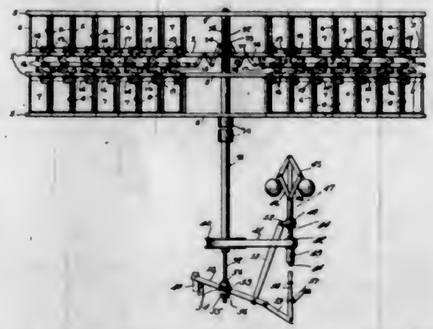
1. In a road grader, a scraper bar including an angle iron having grooves on each side portion thereof, said grooves extending transversely of said side portions, a plurality of teeth receivable in the grooves, and means for holding said teeth in said grooves.

1,633,427. ARMREST. PAUL WIESE, Waterbury, Conn. Filed Aug. 19, 1926. Serial No. 130,271. 4 Claims. (Cl. 155—198.)



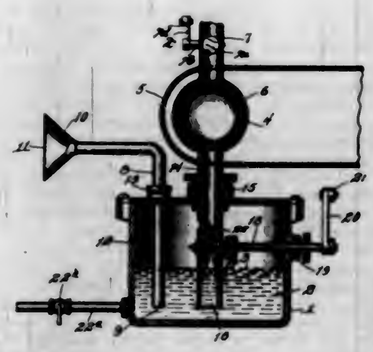
1. An arm rest or the like including a vertical mounting plate, a supporting plate hinged on the top of said mounting plate for vertical swinging movement, yieldable means to normally swing said supporting plate upwardly to a vertical inoperative position, and a vertical upwardly spring-projected latch bolt mounted on the mounting plate and adapted to retain the supporting plate in a downwardly swung operative horizontal position, a tubular guide at the inner side of the mounting plate having a push button slidable therein, an elbow fixed to said tubular guide and extending through the mounting plate and terminating in a downwardly directed end, a flexible push element slidable in the elbow and engaged at one end by the push button, and means operatively connecting the other end of the push element with the latch bolt whereby the latter may be depressed for release upon pressing said push button.

1,633,428. AUTOMATIC WIND MOTOR. STEFAN ZGLICZYNSKI, Baltimore, Md. Filed Nov. 28, 1925. Serial No. 71,991. 3 Claims. (Cl. 170—26.)



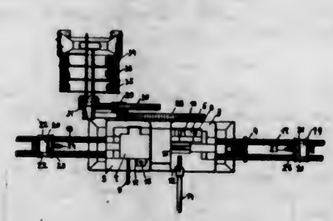
1. In a wind motor, a wind wheel embodying a plurality of arms, each arm comprising spaced side bars, journaled rods connecting the bars, a blade carried by each rod, means associated with each blade for holding the same in closed operative positions and including a shaft pivotally supported at the free swinging side edge of each blade, lug projections on one side of said shaft engaging the adjacent connecting rod, an arm at the other side of said shaft adjacent the lower end, a roller in the lower end of said arm, a bell crank lever pivotally supported in the adjacent side bar with one leg thereof engaging the roller, an operating rod having a series of slotted openings therein, a link connected to the other leg of each bell crank lever and extending into an adjacent slotted opening of the operating rod, a group of said slotted openings being of gradually increasing operative length from the outer end of said rod to effect sequential release of the blades and the remainder of said slotted openings being of similar length to effect simultaneous release of the other blades.

1,633,429. CARBURETOR. CHARLES B. ALLEN, Atlanta, Ga. Filed Oct. 21, 1924. Serial No. 744,995. 1 Claim. (Cl. 261—76.)



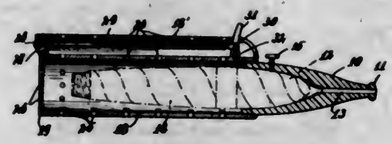
A carburetor comprising a casing defining a fuel chamber and having fuel supply means connected therewith, a pipe extending through the top of the casing and terminating short of the bottom thereof and provided at an intermediate point with a fuel valve having actuating means exterior to the casing, said pipe constituting a conductor for connection with the intake manifold of an internal combustion engine, and a second pipe extending through the top of the casing and also terminating adjacent the bottom thereof, said second pipe having an angular bend terminating in a funnel to provide an air supply to the casing, the first said pipe being provided with a lateral port directly above the plane of the fuel valve.

1,633,430. UPSETTING MACHINE. KARL AUERBACH, Saalfeld-Saale, Germany, assignor to Herman F. Hoevel, New York, N. Y. Filed Oct. 9, 1925, Serial No. 61,423, and in Germany May 7, 1924. 5 Claims. (Cl. 78—17.)



1. An upsetting-machine comprising in combination with the machine frame, a guide on said frame, a carriage for the work and an upsetting carriage movably mounted on said guide the one opposite the other, a spindle drive for the work carriage, a pair of racks on each carriage projecting from the rear ends of the same, and abutments for the work said abutments being adjustably mounted one on each pair of racks and design to sustain the axial shearing stress produced by the upsetting resistance.

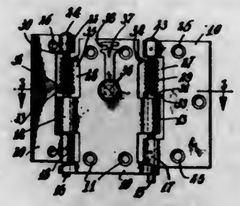
1,633,431. SAFETY CIGAR HOLDER. ALEXANDER BAGAMERY, South River, N. J. Filed Mar. 6, 1926. Serial No. 92,785. 4 Claims. (Cl. 131—51.)



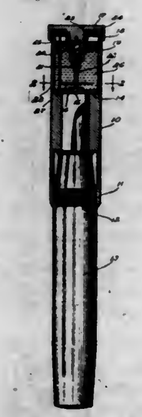
1. A receiver for cigar ashes adapted to be placed over the lighted end of a cigar, to prevent the ashes of the said cigar from dropping therefrom, and a cap hinged to said receiver for closing the end thereof, a spring for normally holding said cap in tight fitting relation on the end of said receiver and a system of levers for opening said cap against the pressure of said spring.

1,633,432. DOOR HINGE. ADÉLARD BOUCHER, Winchendon, Mass. Filed Aug. 3, 1925. Serial No. 47,741. 2 Claims. (Cl. 16—132.)

1. Hinge comprising a central leaf member and lateral auxiliary leaf members, integral pintles secured at upper and lower ends to one of said leaf members for hingedly securing the lateral leaves to said central leaf at opposite edges thereof, springs wound about one part of said pintles and secured with their upper ends to said central member, collars on said pintles on which the lower ends of said springs rest, pins on said collars, and a latch movably secured to said central member and spaced therefrom adapted to be turned to engage the pins on said collars, and means for fastening said hinge to a door or to two adjacent doors.

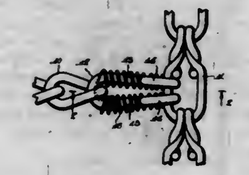


1,633,433. FOUNTAIN PEN. HENRY BOYER, Jersey City, N. J., and MAURICE KLEVINS, Brooklyn, N. Y. Filed Mar. 26, 1926. Serial No. 97,733. 5 Claims (Cl. 120—42.)



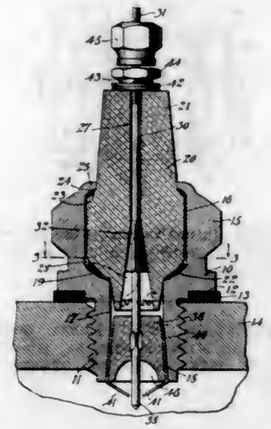
1. A fountain pen cap having an ink reservoir therein and a valve controlling the discharge of ink from said reservoir.

1,633,434. CHAIN LINK. WILLIAM J. BRYAN, Jersey City, N. J. Filed May 25, 1926. Serial No. 111,613. 4 Claims. (Cl. 24—239.)



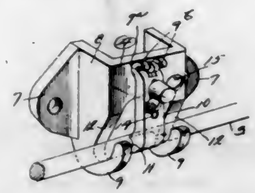
1. A link of the class described including a length of metal bent into approximately U-shape to define a pair of converging shanks, the ends of the shanks being reversely bent upon themselves to form hooks, and a coiled expansion spring encircling the shanks and having its ends disposed under the hooks.

1,633,435. SPARK PLUG. EUGENIO N. DE ALCOCER and FRANCISCO O. DE ALCOCER, Mexico, Mexico. Filed Dec. 28, 1923. Serial No. 683,228. 5 Claims. (Cl. 123—169.)



1. In a spark plug, the combination with the shell and insulator member, of a removable plug member fitted within and closing the lower end of the shell and carrying spaced central and grounded electrodes, and a stem extending through the insulator member and detachably connected with the central electrode, said stem and insulator member having interengageable portions for effecting the frictional coupling of the stem with the central electrode upon axial movement of the stem.

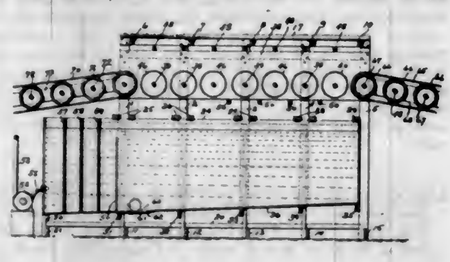
1,633,436. AWNING-ROD CLAMP. FRANCIS R. CLIFTON, Omaha, Nebr. Filed Feb. 23, 1924. Serial No. 694,606. 3 Claims. (Cl. 156—15.)



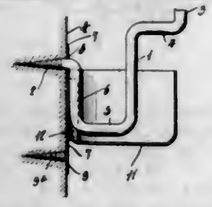
1. An awning clamp comprising a bracket adapted to be secured to a window frame, spaced outwardly extending hooked arms carried by said bracket, and adapted to receive the awning rod, a jaw hingedly connected to the bracket above the hooked arms and hingedly movable in a plane at a right angle to the bracket and rod, the lower end of said jaw being adapted to engage and hold the rod in the hooked arms and a bolt extending through an elongated slot in said jaw and into the bracket forming means whereby the jaw may be forced into clamping engagement with a rod in the hooked arms.

1,633,437. VEGETABLE-WASHING MACHINE. CECIL C. DANIELS, Weslaco, Tex., assignor of one-fourth to F. W. Stephens and one-fourth to Luther Hughes, Weslaco, Tex. Filed Jan. 26, 1926. Serial No. 83,926. 7 Claims. (Cl. 146—200.)

1. In a machine for cleaning vegetables, a series of cylindrical drums formed of wire netting, having their axes parallel and in the same horizontal plane, and so arranged as to leave a substantial space between the peripheries of adjacent drums, means for rotating the drums, and means for forcing water upward between the peripheries of adjacent drums.

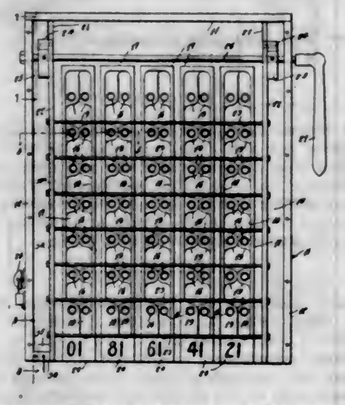


1,633,438. ANTPROOF SHELF BRACKET. HERMAN E. DE PEW, Alameda, Calif. Filed Aug. 5, 1926. Serial No. 127,326. 3 Claims. (Cl. 248—18.)



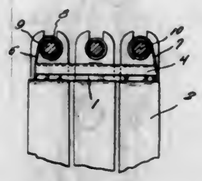
1. A shelf bracket, including a U-shaped member, an arm extending at an angle to one of the sides of the member and adapted to engage a support, the other side of the member formed to support a shelf, and a cup shaped container the vertical wall of which frictionally engages between the U-shaped member and the support and to hold a liquid immersing the member.

1,633,439. AUTOMATIC SIGNAL INDICATOR FOR CREELING FRAMES. ALFRED J. DION, Indian Orchard, Mass. Filed May 7, 1925. Serial No. 28,664. 10 Claims. (Cl. 28—51.)



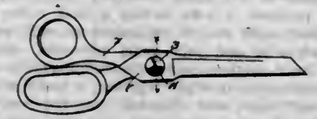
1. A device of the character set forth, comprising a casing provided with openings in the opposite sides thereof, vertical plates slidably arranged within the casing and provided with tubes, vertical bars slidably mounted within the casing, rods carried by the bars, means for movably supporting the bars and rods, said means comprising lugs secured to the bars, a shaft journaled in the casing, cams secured to the shaft and contacting with the lugs, and a lever connected to the shaft.

1,633,440. MEANS FOR PREVENTING CHATTERING IN TRANSMISSIONS. CHARLES BENJAMIN EPPERSON, Petersburg, Va., assignor of one-third to J. H. Tucker, Petersburg, Va., and one-third to J. L. Rawlings, Sutherland, Va. Filed Nov. 24, 1924, Serial No. 751,925. Renewed Apr. 1, 1927. 4 Claims. (Cl. 188—264.)



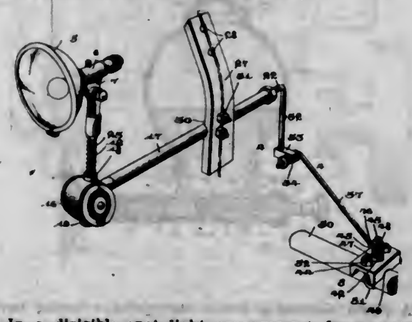
3. In a means for applying a composition to the drums of a transmission mechanism, the composition being in the form of a bar, and means for supporting the bar in frictional engagement with the drum.

1,633,441. SHEARS OR SCISSORS AND THE LIKE. ALFRED T. FIRTH, New York, N. Y. Filed Jan. 29, 1926. Serial No. 84,677. 2 Claims. (Cl. 30—13.)



1. In a cutting implement of the type described, a pair of pivotally connected shear members having cutting blades, one of which is formed with an annular bearing groove in the wall of the pivot hole, in which are situated anti-friction balls, and the other formed with a screw threaded pivot hole in which is secured a headed pivot formed with a bearing portion with which the anti-friction balls contact, said pivot head being of fillister form, and said bearing groove formed with a cylindrical socket extension of appreciable depth, into which the pivot head fits with its under surface in contact with the balls.

1,633,442. DIRIGIBLE HEADLIGHT. SAMUEL PENN FOSTER, Chattanooga, Tenn., assignor to Robert C. Lynn, Chattanooga, Tenn. Filed Sept. 21, 1926. Serial No. 136,836. 8 Claims. (Cl. 240—62.)



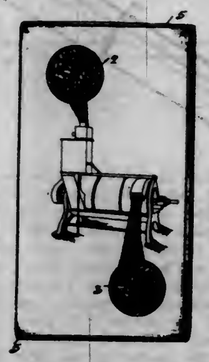
1. In a dirigible spot light arrangement for a motor vehicle, a bracket attachable to a stationary part of the motor vehicle at the front of the latter, a tubular supporting member attached to said bracket and extending in the direction of length of the motor vehicle, a housing body at the forward end of said tubular supporting member, said housing body having vertically alined bearings, a standard journaled in said alined bearings and having a portion extending through said housing body, a spot light supported on said standard, an actuating shaft extending through said tubular supporting member into said housing body, meshed gears within said housing body and secured to the adjacent ends of said standard and said actuating shaft, respectively, and a motion transmitting connection between the actuating shaft and the tie rod of the steering mechanism of the motor vehicle.

1,633,443. COLOSCOPE. EMMANUEL JOSEPH FRANGEDAKIS, Philadelphia, Pa. Filed Aug. 31, 1926. Serial No. 132,740. 5 Claims. (Cl. 128—22.)



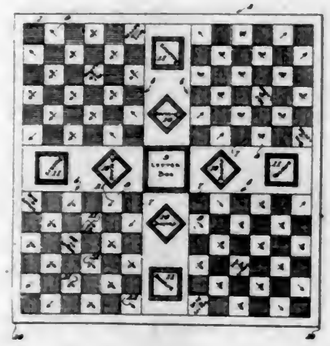
4. In an instrument for anal examination, the combination with a plurality of substantially parallel arms adapted for insertion in the rectum, of means for spreading said arms transversely while retaining their substantial parallelism, and illuminating means mounted in at least one of said arms.

1,633,444. ADVERTISING OR SAMPLE PACKAGE. HENRY A. FAUITEMA, Chambersburg, Pa., assignor to The Wolf Company, Chambersburg, Pa., a Corporation of Pennsylvania. Filed Oct 13, 1925. Serial No. 62,826. 5 Claims. (Cl. 35—12.)



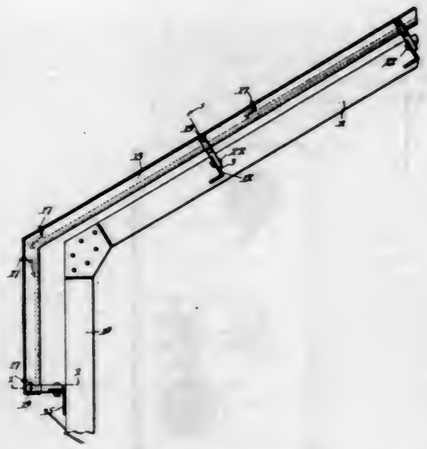
1. An advertising package including a picture of the thing advertised, together with pockets having transparent covers rendering their contents visible from the outside of the package, said pockets being appropriately located with respect to the said picture to graphically illustrate the function of the thing pictured.

1,633,445. GAME APPARATUS. WILLIAM W. GAIL and FRANK B. CONNELLY, Billings, Mont. Filed Mar. 6, 1925, Serial No. 13,453. Renewed Nov. 9, 1926. 3 Claims. (Cl. 273—130.)



1. In a word spelling game adapted to be played with lettered game pieces, a square board having at each corner a checkered square, said squares being spaced to provide a field having the shape of an equal armed cross, said board having a main game piece receiving area indicated at the intersection of the arms of the cross and further having on each arm of the cross areas indicated as "Reserve" and "Discard" areas for the reception of reserved and discarded game pieces.

1,633,446. BUILDING CONSTRUCTION. ARTHUR B. KLEINHANS, Easton, Pa. Filed Mar. 1, 1926. Serial No. 91,544. 11 Claims. (Cl. 189—4.)



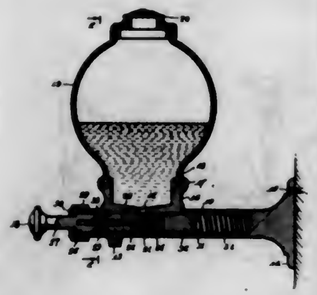
1. In a building structure, in combination with the structural framework including stringers of covering panels or panes, astragals having a channel in its under side constructed of resilient material for supporting said panes and adapted to flex laterally to accommodate slight expansion of the panes, means for supporting said astragals from the stringers to permit of slight movements thereof bodily in a longitudinal direction, said supporting means including lugs connecting said stringers and astragals.

1,633,447. SMOCK. HANNAH LEWIS, New York, N. Y. Filed Apr. 13, 1926. Serial No. 101,679. 2 Claims. (Cl. 2—74.)



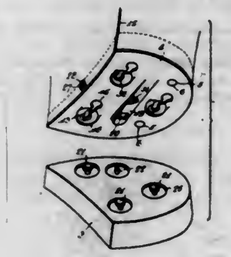
1. A smock of the class described comprising sleeve and body portions, a yoke having a back collar shaped portion, front lapel shaped extensions on said yoke, the adjacent edges of said yoke, lapel extension, sleeve portions and body portions being disposed inwardly stitches securing said adjacent edges together, a braid secured to said adjacent edges and disposed over the point therebetween for covering the same and for providing a marginal outwardly projecting ridge adapted to simulate the free edge of a folded lapel and collar, and a padding member disposed around the unattached edges of said collar and lapel portions, the material of said yoke being rolled around and secured to said padding to cause the free edges of said collar and lapel extensions to resemble folded edges of a folded collar and lapel.

1,633,448. LIQUID-SOAP DISPENSER. WINFRED N. LURCOTT, Elizabeth, N. J., assignor to Moore Bros. Co., New York, N. Y., a Corporation of New York. Filed Sept. 17, 1926. Serial No. 136,126. 1 Claim. (Cl. 221—102.)



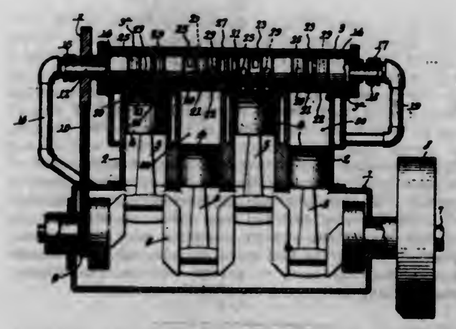
A liquid dispensing device comprising a casing having an inlet and an outlet, a liquid receptacle in communication with said inlet, a plunger arranged for movement in said casing, said plunger having means for controlling said inlet and outlet to alternately open and close the inlet and outlet in the movement of said plunger, said plunger being bifurcated to provide a passageway between the furcations, said plunger being reduced in its length at two points so that the passageway will alternately communicate with the inlet and the outlet in the movement of the plunger in opposite directions, said furcations having a normal tendency to flex away from each other so as to impinge against the wall of the casing, and means extending between said furcations from the wall of the casing to prevent the plunger from turning and for limiting the longitudinal movement of the plunger in one direction.

1,633,449. DETACHABLE-HEEL CONSTRUCTION. MAURICE MAYOROWITZ, New York, N. Y. Filed May 1, 1926. Serial No. 106,147. 10 Claims. (Cl. 36—36.)



1. A coupling, including a plate, a lift, movable spring seats cut from the plate, said movable seats being separated for a portion of their length from the plate and having bayonet slots extending transversely of the plate, pins projecting upwardly from the lift, and heads on the pins adapted to be moved into the larger openings of the slots and moved along the slots to the center of the seats when the lift is moved transversely relative to the heel whereby the seats are put under tension to hold the lift against the plate.

1,633,450. ENGINE VALVE. BENJAMIN F. MCKEE, Arma, Kans. Filed June 23, 1926. Serial No. 118,010. 1 Claim. (Cl. 123—78.)



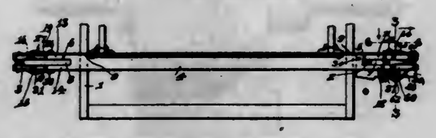
An internal combustion engine comprising a cylinder, a piston operating in the cylinder, the space between the piston and the cylinder head forming a cylinder combustion chamber, a valve casing having a vent, and a valve rotatable in the casing, the valve having a circumferential inlet chamber and a circumferential exhaust chamber, the casing having an inlet for the inlet chamber, and an outlet for the exhaust chamber, the valve being provided with external inlet and exhaust grooves and with a combustion chamber groove extended part-way around the valve, the combustion chamber groove being adapted to communicate with the vent, and the casing having a port by which the combustion chamber can communicate with the cylinder combustion chamber, the valve having a longitudinal passage establishing communication between the inlet groove and the inlet chamber, the valve having a longitudinal passage establishing communication between the exhaust groove and the exhaust chamber, the casing having other ports by which the inlet and exhaust grooves communicate with the cylinder combustion chamber, and means for rotating the valve in consonance with the movement of the piston.

1,633,451. HEATING ROLL FOR PRINTING PRESSES. BERNARD F. MCLAUGHLIN and JOSEPH LOFTUS, Brooklyn, N. Y. Filed Dec. 23, 1925. Serial No. 77,414. 2 Claims. (Cl. 34—18.)



1. In a heating means for printing presses, a stationary tube adapted to be supported at the delivery end of the press, means within the tube for generating heat, a hollow roll mounted for rotation upon the tube and over which the printed sheets are adapted to pass, and means associated with the stationary tube and adapted for cooperation with the respective ends of the rotatable roll for preventing the longitudinal movement of the roll on the tube.

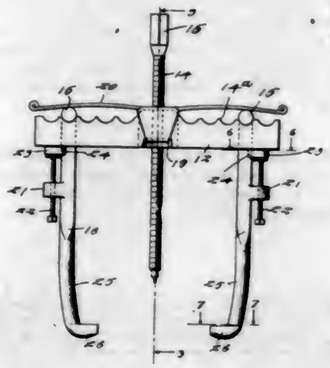
1,633,452. CHECK ATTACHMENT FOR LOOMS. HENRY G. MCLEMORE, Columbus, Ga. Filed May 19, 1926. Serial No. 110,218. 4 Claims. (Cl. 139—164.)



1. A check attachment for loom picker sticks comprising two pairs of spring controlled binder elements, means for pivotally connecting one pair of binder elements directly to the lower face of a lay at the left or lever end of the loom, the controlling spring for the binder elements at the lever end of the loom connected to the sides of the lay and bearing against the outer side of such binder elements, a spacing block secured directly to the lower face of the lay at the right or battery end of the loom, a support adapted to be secured to a quill chute at the battery end of the loom, a binder element having its inner end pivotally supported from and arranged below said block, a binder element pivotally connected to said support and opposing the binder element arranged below said block, and a pair of controlling springs for said last mentioned binder elements, one of said controlling springs adapted to be

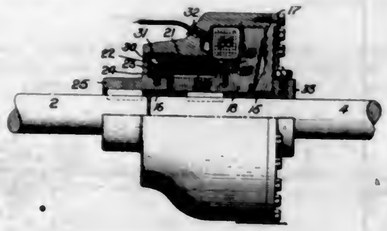
connected to the lay and bear against the binder element pivotally supported from said block, and the other of said controlling springs carried by the support and bearing against the binder element pivoted therewith.

1,633,453. PULLING DEVICE FOR GEARS AND THE LIKE. JOHN W. MILLER, El Dorado, Ark. Filed Apr. 24, 1926. Serial No. 104,475. 4 Claims. (Cl. 29—85.)



3. A pulling tool of the class described comprising a head, plates having hooks detachably engaging said head, resilient wings extending from the plates, and jaws to engage the work fastened against the head against accidental displacement by said wings.

1,633,454. ELECTROMAGNETIC POWER-TRANSMITTING MEANS. CHESTER B. MILLS, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed July 12, 1921. Serial No. 484,045. 9 Claims. (Cl. 172—239.)



1. An electro-magnetic clutch comprising a ring of non-magnetic material of high electrical conductivity connected with a rotatable member, a row of independent spaced magnetic elements carried by said ring, an annular row of independent spaced magnetic elements connected with a second rotatable member and surrounding the first mentioned elements, a second annular row of independent spaced magnetic elements connected with the last-mentioned rotatable member and surrounded by the first-mentioned elements, and means for passing magnetic flux through said rows of elements.

1,633,455. WRENCH. RALPH L. MURPHY, Miera, N. Mex., assignor of one-half to Ira L. Robinson, Miera, N. Mex. Filed Aug. 31, 1926. Serial No. 132,868. 3 Claims. (Cl. 81—99.)

1. A pipe wrench comprising a handle, a rigid jaw in fixed relation to the handle, having reduced portions, the latter provided with beveled ends and beveled shoulders, a removable jaw, bits having reduced shanks to engage the reduced portions of the rigid jaw, and having beveled ends and shoulders complementary to those of



the rigid jaw, and a pivot bolt extending through the rigid and movable jaws for the support of the latter, and also extending through the said bit shanks, and serving to simultaneously pivot the movable jaw and hold the bits of the rigid jaw in place.

1,633,456. FIGURE TOY. HUGO W. NORBERG, Flint, Mich. Filed Dec. 16, 1926. Serial No. 155,204. 2 Claims. (Cl. 46—40.)



2. A toy comprising an upstanding figure having as a part thereof a stationary arm and a normally locked pivoted arm coacting therewith to provide for holding a ball in an elevated position and capable when released to provide for the dropping of the ball, said figure further having as a part thereof a normally projected pivoted leg to provide for the kicking of the ball when dropped, a spring controlled retaining mechanism within said figure for said pivoted arm and adapted when actuated in one direction to release said pivoted arm, and a spring controlled shifting mechanism carried by said figure for moving said leg from normal position on the release of said arm and for returning said leg to normal position to kick the ball when dropped, said mechanisms having coacting parts to provide for the actuation of the retaining mechanism to release said arm.

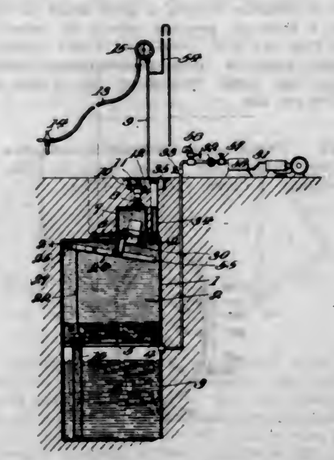
1,633,457. SELF-ADJUSTED CAP. HYMAN L. ROSENFELD, Bronx, N. Y. Filed May 29, 1925. Serial No. 33,588. 2 Claims. (Cl. 2—197.)

2. In a cap of the class described an elastic band disposed around the head receiving opening thereof positioned adjacent the outer surface of the material comprising said cap, a socket member mounted on the side portion of said cap and secured to the material thereof comprising a plurality of individual sockets having vertical slots therein and provided with open upper ends, and a fastening means on said elastic band comprising a pointed extension depending from its upper end in



position to be inserted through the open upper end of any desired socket and moved vertically downward into said socket, said sockets and fastening extension being located on the side of said cap in position to be manipulated while the latter is being worn for adjusting the size of the head receiving opening of said cap.

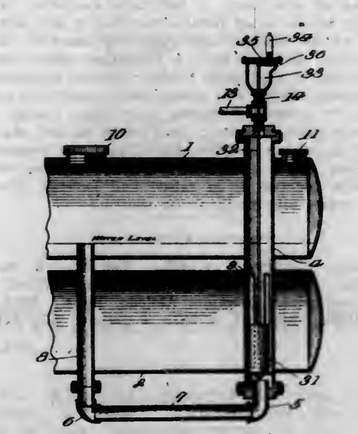
1,633,458. GASOLINE-DISPENSING SYSTEM. CLARENCE SCHOCK, Mount Joy, Pa. Filed Mar. 6, 1924. Serial No. 697,386. 9 Claims. (Cl. 221—67.)



1. A dispensing system for gasoline comprising superimposed tanks in communication, means for supplying gasoline to the upper tank, a fluid heavier than gasoline contained in the lower tank, and means for forcing the heavier fluid into the upper tank to displace the gasoline therefrom comprising a device for supplying air under pressure to the lower tank.

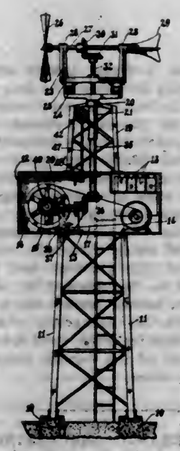
1,633,459. SYSTEM FOR DISPENSING GASOLINE FROM UNDERGROUND STORAGE TANKS. CLARENCE SCHOCK, Mount Joy, Pa. Filed Sept. 4, 1924. Serial No. 735,866. 7 Claims. (Cl. 221—74.)

1. In a dispensing system a gasoline receptacle, a discharge outlet therefor, a water receptacle at a lower level than said gasoline receptacle, a source of air under pressure in communication with said water receptacle, a tubular member connecting the lower portions of said receptacles, a float for controlling the opening in the end of said tubular member which connects with said



water receptacle, the said float being buoyant in the water contained in the system and gravitating in the air in said system when the supply of water has been depleted, to thereby cut off communication between said receptacles.

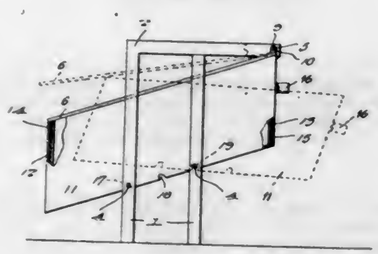
1,633,460. WIND-POWER-GENERATING DEVICE. GIOVANNI SILVESTRIN, Port Arthur, Ontario, Canada, assignor of one-half to Giuseppe Nobile. Filed July 26, 1926. Serial No. 124,845. 3 Claims. (Cl. 170—77.)



1. A wind power generating device comprising a superstructure having an opening in the upper extremity thereof, a subetantially vertical tubular shaft disposed

longitudinally of said super-structure, a sleeve slidably mounted on the upper end of said shaft and slidably mounted in said opening comprising a flange on the upper extremity thereof adapted to engage the edge of said super-structure around said opening for limiting the downward movement of said sleeve, a disc support mounted on said flange, a turn-table supported thereon, an inner tubular shaft slidably mounted in said first mentioned tubular member and rotatively mounted in said disc support and turn-table, a projection rigidly mounted on the side of said inner tubular member disposed in a longitudinal slot in said outer tubular shaft for imparting rotary movement thereto, said inner tubular shaft being extensible relative to said outer tubular shaft for permitting raising and lowering of said disc support and turn-table, and a wind mill rotatively mounted on said turn-table adapted to be raised and lowered therewith and to rotate said inner tubular shaft.

1,633,461. DISPLAY CASE. TED LEONE SOPHER, Abilene, Kans., assignor of one-half to William Johnson and Albert Johnson, Abilene, Kans. Filed Mar. 19, 1926. Serial No. 95,981. 4 Claims. (Cl. 211—6.)

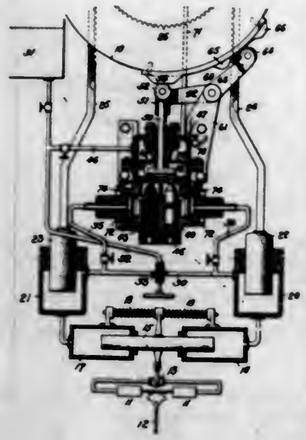


1. In combination, a frame having spaced side portions and overhanging portions extending from said side portions and also having transverse rods interposed between and carried by the side portions, the said transverse rods spaced apart and the forward rod being arranged in a horizontal plane below that of the rear rod, and further having a transverse rod interposed between and carried by the ends of the overhanging portions, a cover having at one end upstanding apertured lugs loosely receiving the last-named transverse rods, said cover being free to swing vertically, and a body arranged between said side portions and having its top open and arranged to be opposed to said cover, and further having in its bottom portion three spaced notches for cooperation with the transverse rods between the side portions; the rear transverse rod being in a vertical plane spaced in front of the vertical plane of the center of movement of the cover.

1,633,462. CERAMIC INSULATING MATERIAL. HAROLD H. SORTWELL, Trenton, N. J., assignor to The Star Porcelain Company, Trenton, N. J., a Corporation of New Jersey. Filed Feb. 27, 1924. Serial No. 695,576. 1 Claim. (Cl. 106—12.)

Black porcelain insulating material containing 45 parts of black iron ore, 35 parts of red burning clay, 15 parts of potter's flint and 5 parts of feldspar.

1,633,463. TELEMOTOR SYSTEM. ELMER A. SPERRY, Jr., Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 713,712. 18 Claims. (Cl. 138—23.)



1. In a telemotor system, a pilot wheel an operating member, a hydraulic pressure system for operating said member from the pilot wheel, and means operable when said pilot wheel is in a predetermined position for equalizing the liquid throughout the system and for separating out air.

1,633,464. TAILBOARD SCRAPER. GEORGE SWAIN SPREYER, Fallon, Nev. Filed July 6, 1925. Serial No. 41,793. 1 Claim. (Cl. 37—179.)



In a scraper of the character described, a body comprising a back, end members projecting forwardly therefrom and having curved edges, metallic bands covering said edges and terminally secured to said back, a lateral extension projecting from one side edge of each band and having spaced openings therein, a curved shoe supported by said band and having openings arranged at one side of the longitudinal center thereof to register with the openings of said extension, and fastening elements passed through said aligned openings for securing the shoe to the extension.

1,633,465. COMBINED COAL STOKER AND BURNER. JOHN CHRISTIAN ST. CLAIR, Butte, Mont. Filed July 22, 1925. Serial No. 45,367. 4 Claims. (Cl. 110—46.)

1. In a device of the character described, an elongated hollow body having a bottom and formed to produce a fuel supply chamber at one end of the body, a fire box at

the opposite end of the body and a fuel feeding passage connecting said fuel supply chamber and said fire box, a plunger movable longitudinally in said fuel supply chamber and said fuel feeding passage for feeding fuel from the fuel supply chamber to said fire box, said plunger being

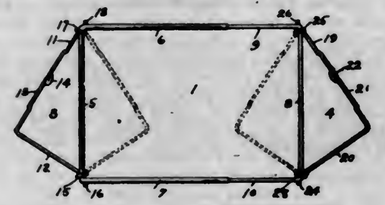


movable through an opening in the outer end wall of said fuel supply chamber and comprising an inverted channel shaped member closed at its inner end and open at its bottom, the inner end wall of said plunger extending at right angles with the longitudinal axis of said plunger.

1,633,466. PROCESS OF PREPARING STABLE COLLOIDAL SOLUTIONS OF SILVER. WALTHER TRAXL, Vienna, Austria. Filed Mar. 6, 1924, Serial No. 697,415, and in Germany Mar. 13, 1923. 17 Claims. (Cl. 252—6.)

1. A process of preparing stable colloidal solutions of silver in an oil, by introducing silver compounds capable of forming soaps with fatty substances into the said oil at a temperature between 200 and 300 degrees centigrade, filtering the obtained solution and enriching it with colloidal silver by treating the said solution with a reducing agent, and repeating the addition of silver compounds and the reducing operation, several times.

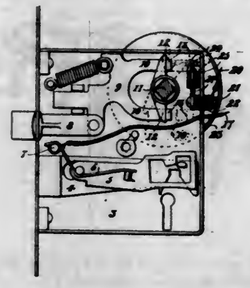
1,633,467. WINDOW AWNING. WILLIAM ARTHUR WHITEHEAD, Terre Haute, Ind. Filed Nov. 9, 1926. Serial No. 147,319. 5 Claims. (Cl. 156—15.)



1. An awning comprising a rectangular main frame having vertical and horizontal members, and triangular side frames one at each end of the main frame each consisting of an upright member and a horizontal member at right angles thereto, the side frames being hinged to the vertical members of the main frame by coils at the free ends of the upright and horizontal members extending about said vertical members of the main frame.

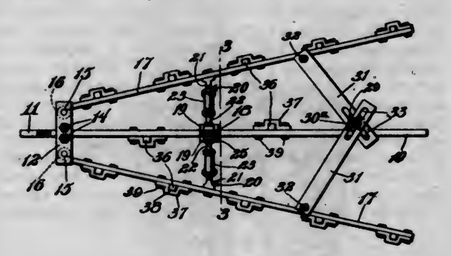
1,633,468. BURGLAR ALARM. JOHN YENDAUCH, Waterloo, Ontario, Canada. Filed Dec. 30, 1922. Serial No. 610,065. 3 Claims. (Cl. 200—55.)

1. In a burglar alarm electric circuit closer, the combination with the encased lock mechanism of a door having an electric wire grounded thereto, of a pin inclosed in an insulating sleeve clamped between adjacent edges of the lock casing parts at the rear end thereof, a second electric wire connected to the outer end of said pin, a flexible contact arm having one end thereof fixed to the inner end of said pin normally lying parallel with the end wall of the casing and spaced therefrom, and having its free end disposed in the path of movement of a movable part of the lock mechanism, and a buffer insulator fixed to the contact arm intermediate the ends thereof and so positioned with respect to the free contact end of the arm to prevent accidental engagement between the contact arm and casing and permitting



the flexing of the contact arm when engaged by a part of the lock mechanism to move into contact with the lock casing.

1,633,469. MULCHER ATTACHMENT FOR CULTIVATORS. WILLIAM T. ATCHLEY, Delta, Colo. Filed Sept. 17, 1925. Serial No. 56,979. 1 Claim. (Cl. 97—5.)

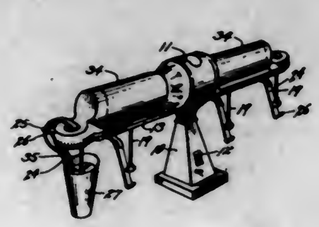


A mulcher attachment for cultivators comprising a horizontal main bar having a vertically directed forward end, a vertically directed bar rigidly connected with the main bar intermediate its ends, the vertically directed forward end of the main bar and the last named bar being adapted for connection with the beam of a cultivator, a pair of side bars pivoted to the main bar adjacent the forward end of the horizontal section thereof and braces for adjustably positioning the side bars with relation to the main bar extending between the side bars and the vertically directed bar, said braces each comprising two sections and a turn-buckle connecting the sections, one section engaging the associated side bar and being secured thereto, the other section having at its free end an angular portion confronting the vertically directed bar and provided with a longitudinally extending slot.

1,633,470. DRINK MIXER. CHARLES M. BALL, Jr., Denver, Colo. Filed Oct. 9, 1926. Serial No. 140,482. 4 Claims. (Cl. 259—131.)

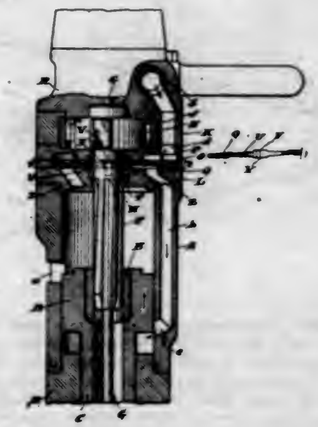
1. A drink mixer comprising a support; a motor carried by said support; a motor shaft extending entirely through said motor and projecting from each side thereof; transmission elements carried by said motor shaft at each side of said motor; a plurality of mixing stems arranged each side of said motor and adapted to be driven from said transmission elements; means for in-

dependently connecting and disconnecting said mixing stems with said transmission elements, said means comprising a friction face carried by each of said stems;



and a cup support adapted to cause said friction face to engage said transmission element when a weight has been placed upon said cup support.

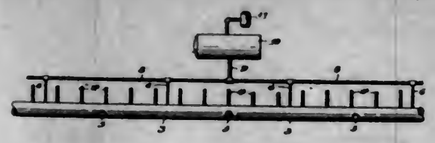
1,633,471. DISK VALVE FOR ROCK DRILLS. LEWIS C. BAYLES and FRED M. SLATER, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 27, 1925. Serial No. 33,118. 3 Claims. (Cl. 121—22.)



1. A fluid actuated rock drill comprising a cylinder and reciprocating piston, automatic rotation means for the drill steel including a rifle bar, a head block having a valve seat portion, a valve box at the rear of the cylinder having a shallow recess forming a valve chamber, said valve box being provided with an annular flange forming a valve stop, and a fluid distributing plate valve in said shallow recess in the form of a thin flat oscillating plate encircling the rifle bar, the valve being uniformly tapered from its median diameter towards the periphery at each side and bearing on the seat portion of the head piece along said diameter to form a fulcrum.

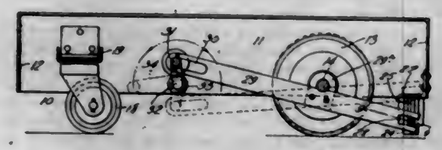
1,633,472. APPARATUS FOR REMOVING AIR FROM STEAM-CONDENSING SYSTEMS. ARTHUR E. BROUGHTON, Minneapolis, Minn. Filed July 10, 1924. Serial No. 725,316. 6 Claims. (Cl. 257—24.)

1. In mechanism for removing air from steam condensing systems, the combination with a receptacle adapted to be supplied with steam, of means for permitting withdrawal of air from said receptacle substan-



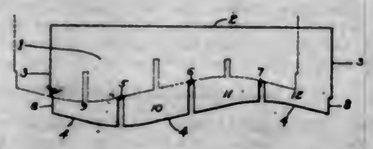
tially continuously, a receiver adapted to collect the air so removed and means for periodically allowing the escape of air from said receiver.

1,633,473. GUIDING OR CONTROLLING MECHANISM FOR TRUCKS OR THE LIKE. ELLIS CLYDE BUSH, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y. Filed Dec. 19, 1924. Serial No. 757,052. 4 Claims. (Cl. 280—44.)



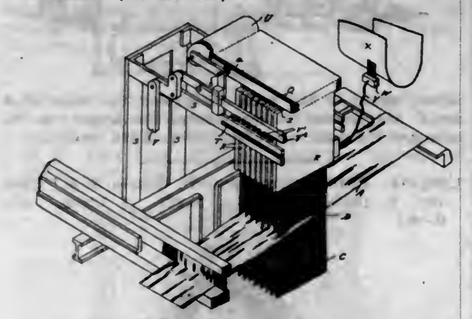
1. In a truck, the combination of a frame, a pair of carrying wheels rotatable in planes extending longitudinally thereof, a caster swivelled on said frame and cooperating with said wheels to support and steer the truck, a pair of auxiliary wheels arranged at right angles to said carrying wheels, a pair of levers pivoted on said frame and on each of which one of said auxiliary wheels is journalled, a single operating lever pivoted on said frame and connected to said pair of levers, and means for swinging said operating lever on its pivot to rock said other levers, whereby said auxiliary wheels are lowered and said carrying wheels are raised to permit said truck to be supported by and be moved sidewise of said frame on said auxiliary wheels and casters.

1,633,474. STRIP SHINGLE. LEON BUSHA, Minneapolis, Minn., assignor to William Edwin Nelson, Minneapolis, Minn. Filed Feb. 11, 1924. Serial No. 692,158. 4 Claims. (Cl. 108—8.)



1. A strip shingle comprising a body portion having a straight upper edge and a sinuous lower edge to produce crests and valleys when a plurality of shingles are laid on a roof, the sinuous lower edge being so cut that when shingles are formed from a sheet of material, the sinuous projections of all such shingles will be the same, whereby shingles may be cut from a rectangular sheet of material without waste, and when a series of said shingles are laid in overlapping relation with the crests of the sinuous edges slightly displaced, a waving or ridge and valley appearance will be given to the shingled surface.

1,633,475. PATTERN-CONTROLLED SHEDDING MECHANISM. THOMAS ALBERT BRIGGS CARVER, London, England. Filed July 10, 1923, Serial No. 650,712, and in Great Britain Sept. 8, 1922. Renewed Apr. 21, 1927. 9 Claims. (Cl. 139—62.)



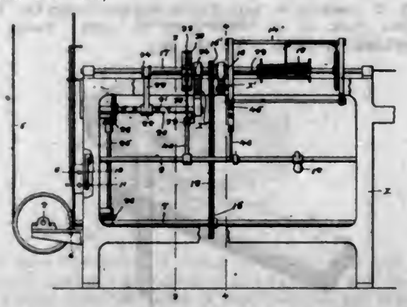
1. In apparatus for the weaving of damask and the like, lifting actions controlling each separate thread and grouped in separate laterally adjustable self-contained rows, selecting elements in said lifting actions, and means for operating electrically said selecting elements to effect the selection between pattern and ground.

1,633,476. SUPPORT FOR SEATS AND THE LIKE. L'Union Generale d'Electricite, Paris, France. Filed Mar. 19, 1925, Serial No. 16,813, and in Great Britain Mar. 21, 1924. 2 Claims. (Cl. 155—119.)



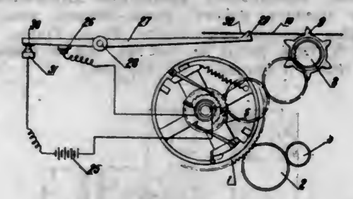
1. In supports for detachable seating surfaces of the type comprising upper and lower supporting rails to which the seating surfaces are attached, a support for one rail to fixedly connect the said rail at an elevated point, a main support such as a floor having slots, hinged arms for the other rail independent of and disconnected from the support for the first mentioned rail, said hinged arms extending through said slots and battens fixed beneath the main support and at each side of the slots and carrying the pivots of the hinged arms.

1,633,477. STOP AND BRAKE FOR TWINE MACHINES. JAMES B. CRAWFORD, Bismarck, N. Dak. Filed Oct. 27, 1926. Serial No. 144,591. 2 Claims. (Cl. 117—51.)



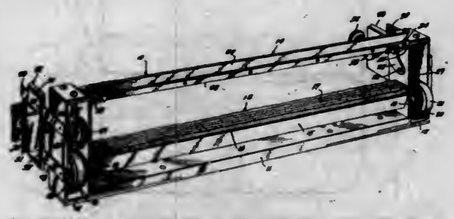
1. In a twine forming machine of the class described, a brake for the flier thereof, shipper means for the belt thereof, means operable by the stoppage of the bobbin thereof for applying the brake and causing the shipper to shift the belt to the loose pulley, said means comprising a pulley on the bobbin shaft, a brake band engaging the pulley and adapted to be lifted by the rotary movement of the pulley, spring means for resisting the lifting movement, a weighted shaft for operating the brake and the shipper and means for holding the said shaft with its weight in raised position as long as the band is in raised position.

1,633,478. DEVICE FOR REGULATING THE ADVANCE OF A BAND WITH REFERENCE TO A CINEMATOGRAPHIC APPARATUS CONTROLLING SAID BAND. CHARLES EUGÈNE EDOUARD DELACOMMUNE, Paris, France. Filed Mar. 23, 1925, Serial No. 17,736, and in France Mar. 26, 1924. Renewed May 17, 1927. 3 Claims. (Cl. 88—16.2.)



1. A device for shifting the movement of a band controlled by a cinematographic apparatus with reference to said apparatus comprising a driving wheel actuated by cinematographic apparatus, a shaft to which said driving wheel is secured, a driven wheel actuating the band, and mounted loose on said shaft, an electric circuit, an electromagnet in said circuit mounted loose on said shaft, means controlled by the band for closing electric circuit, means whereby the driven wheel is secured to the driving wheel when the electromagnet is not excited, a projection on the driving wheel towards which the electromagnet is caused to move when it is excited, means whereby the electromagnet is secured to the driven wheel when it moves with reference to said projection and means for keeping the electromagnet in its original position with reference to the driving wheel when it is not excited.

1,633,479. WINDOW-CLEANING DEVICE. STEVE DI ROSA, Brooklyn, N. Y. Filed Dec. 10, 1926. Serial No. 153,941. 7 Claims. (Cl. 15—250.)

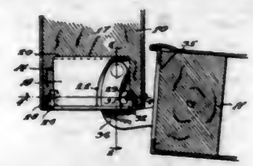


1. In combination with a window casing having a sash slidably mounted therein, of a cleaning device including moistening means, drying means, and means operable by said window sash for alternately causing said moistening means and said drying means to engage the glass pane of said sash upon sliding movement of said sash in opposite directions.

1,633,480. HINGE. MICHAEL J. ECONOMIDES, Brooklyn, N. Y. Filed Sept. 26, 1925. Serial No. 58,795. 4 Claims. (Cl. 16—135.)

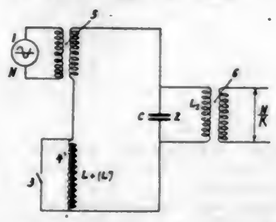
1. In a hinge, a hinge member formed of a sheet metal blank having lugs and bent to define a box open at the

front thereof and provided with top and bottom walls, said lugs being bent into overlapping relation on a side



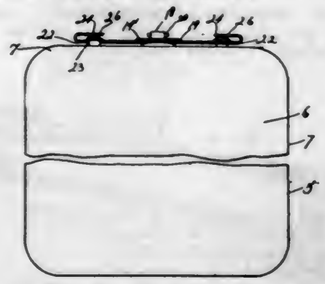
of the box at the front corner thereof and being secured together for rigidly limiting said walls against spreading movement at the open front of the box.

1,633,481. FREQUENCY REDUCING ARRANGEMENT. JEAN GUSTAVE FALLOU, Paris, France, assignor to L'Union Generale d'Electricite, Paris, France. Filed Nov. 8, 1926, Serial No. 147,143, and in France Jan. 19, 1926. 5 Claims. (Cl. 250—36.)



1. Frequency reducing arrangement comprising a circuit adapted to oscillate freely at a fundamental frequency and at the harmonics thereof, a supply of alternating current the frequency of which is equal to that of one of these harmonics, and adapted to keep up the said harmonic, means for starting the free oscillations of the circuit and its harmonics and means for selecting the desired oscillations.

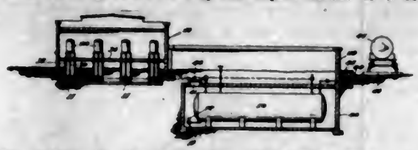
1,633,482. SANITARY HEATING PACK. PERCE R. GALT, Philadelphia, Pa. Filed Feb. 3, 1926. Serial No. 85,717. 7 Claims. (Cl. 150—8.)



1. A sanitary heating pack including a casing provided with an opening communicating with the interior, a closure seat surrounding said opening, a closure for coaction with said seat and including a convex head, a latch rotatably mounted on the convex head of said closure, and means carried by the casing for coaction with the latch to hold the closure within its seat.

1,633,483. GASOLINE-DISPENSING SYSTEM. OTA T. GRAHAM, Richmond, Va. Filed Nov. 18, 1924. Serial No. 750,699. 18 Claims. (Cl. 137—78.)

1. A chain station dispensing system for cities or the like including a reservoir, a supply main extending from the reservoir into the city, branches leading from the main, dispensing devices connected with the respective branches and operable to dispense liquid direct to a consumer, means in the main for closing the same at a break, and means for maintaining the supply in the main and the branches at both sides of the break.



1,633,484. BUOY. OTTO GUIDOTTI, Buffalo, N. Y. Filed Dec. 9, 1925. Serial No. 74,227. 1 Claim. (Cl. 9—8.)

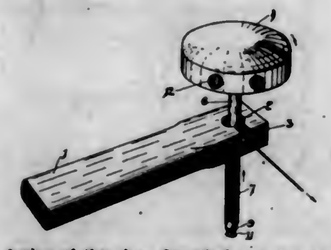


A buoy comprising a spherical body having an inner shell and an outer shell, said inner shell consisting of semi-sperical rubber sections, the joint between which is sealed, and said outer shell consisting of semi-spherical metal sections, the joint between which is sealed, bushings extending through diametrically opposite parts of the inner and outer shells of said body and each having an internal screw thread and inner and outer flanges bearing respectively against the inner side of the inner shell and the outer side of the outer shell, and a tie rod extending diametrically through said body and bushings and having externally threaded parts engaging the threads of the bushings and having its ends projecting beyond the outer side of the body to form pins for receiving a stay line.

1,633,485. PROCESS OF PURIFYING ALKALI-METAL CYANIDE SOLUTIONS CONTAINING SULPHIDES. KURT HERRDEGEN, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed Nov. 27, 1926, Serial No. 151,263, and in Germany Dec. 4, 1925. 1 Claim. (Cl. 23—84.)

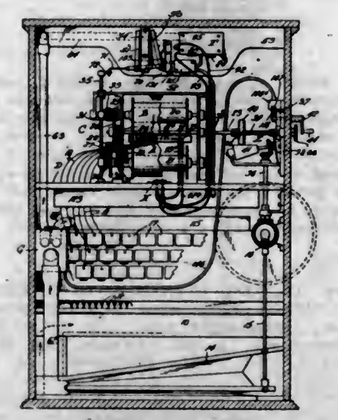
The process of purifying alkali metal cyanide solutions containing sulphides which consists in treating the solution with a bismouth compound capable of forming bismuth sulphide.

1,633,486. SPINNING TOY. FRANZ LUNZ, New York, N. Y., assignor to Aero Toy & Manufacturing Co., Inc., New York, N. Y. Filed Jan. 26, 1927. Serial No. 163,692. 1 Claim. (Cl. 46—32.)



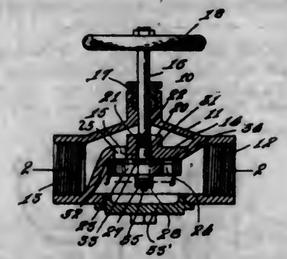
In a device of the class described, an elongated handle having a perforation therethrough at one end thereof and an open slot extending from the perforation to the edge of said handle, a spinning device comprising a body and an elongated stem, a cord wound around the stem, said stem with cord adapted to pass perpendicularly to the handle and through said perforation, the end of said cord adapted to drop into said slot, said slot then being covered by said body, said stem having the lower end pointed, and a removable cartridge cap fitting frictionally over said pointed stem end.

1,633,487. AUTOMATIC MUSICAL INSTRUMENT. CHRISTIAN MAERTEN, Jr., North Tonawanda, N. Y., assignor to Artizan Factories, Inc., North Tonawanda, N. Y. Filed June 16, 1924. Serial No. 720,266. 19 Claims. (Cl. 84—24.)



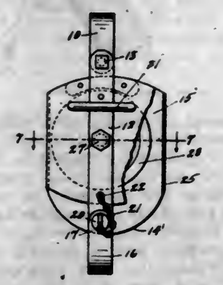
1. In an automatic musical instrument, the combination of a plurality of speaking devices, individual pneumatic controlling means for each of said devices including a primary pneumatic, a source of compressed air for operating said speaking devices and said pneumatics, a tracker, a perforated note sheet, and a winding roll for moving said note sheet over said tracker, said primary pneumatics being adapted to be automatically actuated for sounding said speaking devices by the relief of the compressed air from said pneumatics outwardly through said tracker and said note sheet directly to the atmosphere, said speaking devices and primary pneumatics being remote from said tracker and note sheet.

1,633,488. VALVE. PATRICK J. MCGINN, New York, N. Y. Filed Sept. 20, 1926. Serial No. 136,647. 1 Claim. (Cl. 251—84.)



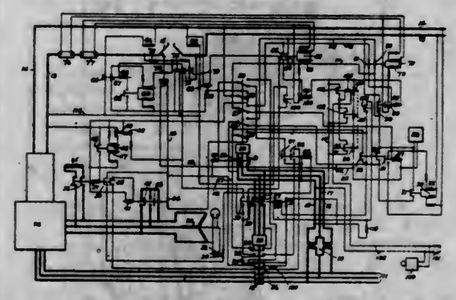
A valve comprising a casing having an inlet and an outlet, a partition therebetween and having a port therein, a valve stem journalled in said partition and extending beyond said casing, co-acting screw threads between said partition and said valve stem causing longitudinal movement of the latter upon turning movement of the same, a valve disk fixedly mounted on said valve stem beneath said partition and having a port therein for register with said first port when said valve stem has been turned to an "on" position but out of register therewith when in an "off" position, a compressible washer carried by said stem and interposed between said partition and said valve disk for turning movement with said stem to seal the joint between said partition and said disk at all times during the limits of the turning movemens of said valve stem, said washer having a slot therein in alignment with the port in said valve disk, and an arm carried by the lower end of said valve stem for co-action with a stop member provided on said casing for limiting the turning movement of said valve stem to an "on" position to cause said ports to register, and a removable screw cap in the bottom of said casing for facilitating the assembly of the valve disk and washer on said valve stem.

1,633,489. SAFETY BLOCK. WILLIAM H. MCKISSICK, Tulsa, Okla. Filed Nov. 6, 1925. Serial No. 67,227. 11 Claims. (Cl. 254—193.)



1. In a safety block, a block housing comprising two members pivoted to each other eccentrically, one of said members being rotatable with relation to the other to open the sides of the housing, and a sheave mounted in the housing.

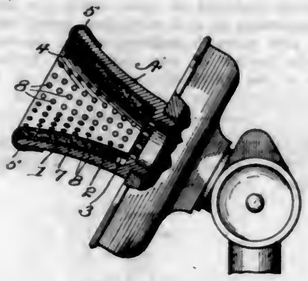
1,633,490. SWITCHING ARRANGEMENT FOR ELECTRIC SUBSTATIONS. RICHARD CALDWELL MINTON, East Boldon, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a British Company. Filed Sept. 8, 1924, Serial No. 736,630, and in Great Britain Nov. 3, 1923. 24 Claims. (Cl. 171—118.)



1. An automatic or semi-automatic electric substation, including in combination a load circuit, a generator adapted when running to supply power to the load circuit, an electric motor driving the generator, a power supply circuit for the motor, a starting-up relay controlled in accordance with the conditions of the load circuit, and a time-element contact-making device adapted to be brought into operation by the starting-up relay and having a plurality of contacts which are operated at predetermined

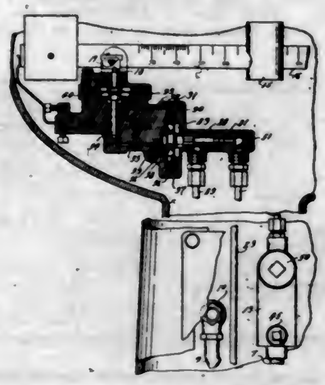
time intervals and are so arranged as to initiate operations for starting up the motor-driven generator only after the necessary conditions in the load circuit have persisted for a predetermined time and also to allow a plurality of consecutive attempts to be made to start up the generator.

1,633,491. MOUTHPIECE ATTACHMENT FOR TELEPHONES. CHARLES HARRY MONKS, Ridgewood, N. J. Filed Oct. 2, 1926. Serial No. 139,133. 1 Claim. (Cl. 179—185.)



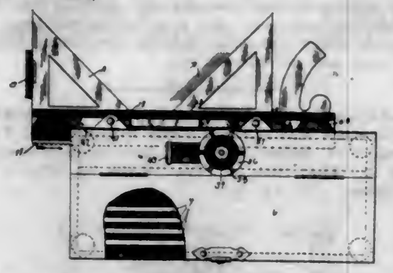
An attachment for mouth pieces comprising an outer shell of substantially conical formation, an inwardly right angled disposed flange formed on the inner end of said outer shell, an annular flange formed on the inner edge of the flange first mentioned, an inner shell having its inner end frictionally engaging the annular flange and being spaced from the walls of the outer shell, said inner shell being provided with a plurality of apertures arranged in row formation, ears integrally formed on the outer end of said inner shell and arranged in spaced parallelism therewith for clamping the attachment to a mouth piece and antiseptic material disposed between the shells for the purpose specified.

1,633,492. PNEUMATIC-TIRE-CHARGING EQUIPMENT. EARL M. MORLEY, Delta, Ohio, assignor to The Air-Scale Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 6, 1926. Serial No. 92,790. 6 Claims. (Cl. 221—73.5.)



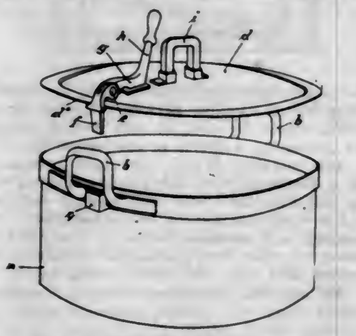
1. A pneumatic tire air charger comprising a compressed gas supply, a line therefrom, a delivery valve for supplying air from the line to a pneumatic tire, and means in said line for removal of non-gaseous material, said means embodying a condensation receiver, a blow-off therefrom, and an entrained particle remover including a filter providing an impediment to gas flow for slowing up valve operation to reduce tendency to hammer.

1,633,493. SET-SHIFT PARALLEL RULER. ALEXANDER MORRIS and VICTORIA L. MORRIS, San Francisco, Calif. Filed Feb. 12, 1926. Serial No. 87,887. 4 Claims. (Cl. 33—110.)



1. A device of the character described comprising means forming a supporting surface, a rack bar slidably mounted on said surface, means supporting said bar comprising an elongated member angular in cross-section secured to and movable therewith, means mounted on said first-named means for moving said rack bar in successive steps, a plate on said second-named means and adapted to be moved by the actuation of said rack bar, and means for frictionally securing a drawing instrument to said plate.

1,633,494. COOKING UTENSIL WITH HINGED AND REMOVABLE LID. EWALD NEUMANN, Brunswick, Germany. Filed July 8, 1926, Serial No. 121,195, and in Germany Feb. 18, 1925. 3 Claims. (Cl. 53—8.)



2. A cooking utensil including in combination, a vessel, a lid, a closed socket on the vessel adjacent the upper edge thereof, a plug pivotally connected to the lid and adapted to be removably arranged concentrically within and in frictional engagement with the walls of the socket.

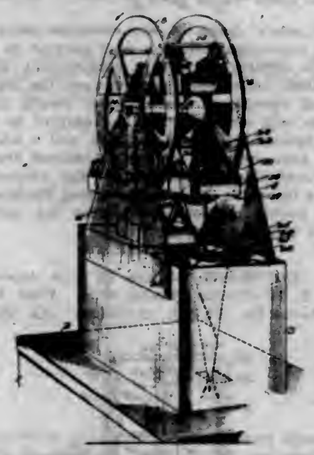
1,633,495. COAT HOOK. JOHN B. O'CONNOR, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed May 21, 1924. Serial No. 714,765. 4 Claims. (Cl. 248—22.)



1. The combination with a relatively thin wall, of a hook having a base with a projection, on one side of the wall, a backing having a recess opposite said projection

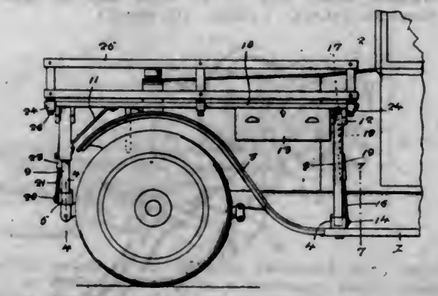
on the other side of the wall, and means extending thru the wall to draw the hook and backing toward each other, the wall being distorted by said projection into the recess.

1,633,496. TOY. CARRIE ELIZABETH RICHARDSON, Simpsonville, S. C. Filed July 29, 1925. Serial No. 46,855. 6 Claims. (Cl. 46—37.)



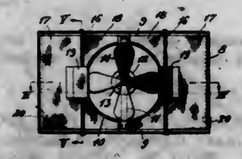
1. A toy comprising a rotary wheel, a gravity motor for operating said wheel, said gravity motor including a vertically movable weight connected with said wheel, and means for regulating the downward movement of said weight, said regulating means comprising a receptacle in which said weight may move vertically, said receptacle having a discharge orifice at its lower end, and means movably supporting said weight within the receptacle and adapted to pass gradually from the receptacle through said discharge orifice, thus permitting downward movement of the weight in said receptacle, said receptacle being substantially cone-shaped.

1,633,497. LUGGAGE CARRIER. FERDINAND H. SCHOELERMAN, Keystone, Iowa. Filed Nov. 22, 1926. Serial No. 150,010. 1 Claim. (Cl. 224—29.)



The combination with the front portion of an automobile, of channel members secured on the running board adjacent to the front mud guards of the automobile, a hollow member fixedly supported to and extending beyond the front of the automobile, said channel and hollow members designed to receive therein the legs on tables which are arranged over the front mud guards, removable and adjustable means securing the tables on the said members, blocks secured in the said members and contacting with the confronting sides of the table legs, and a hinged cover for the top of the hollow member swingable between and contactable with the outer legs of the respective tables, in combination with a removable luggage carrier for the tables.

1,633,498. TEMPERATURE-CONTROLLING APPLIANCE. KURT L. SEELBACH, Cleveland, Ohio, assignor to James C. Miles, Cleveland, Ohio. Filed Apr. 21, 1921. Serial No. 463,298. 14 Claims. (Cl. 98—39.)



1. The combination of a temperature controlling compartment provided with a pair of air inlets and an air outlet, a door for one inlet and adapted by the action of gravity to assume an open position, said door carrying a vane, and means for propelling an air current through the other inlet and against said vane whereby to close said door.

1,633,499. POULTRY-TRUSSING DEVICE. JAMES M. SELDEN, Pittsburgh, Pa. Filed Mar. 6, 1925. Serial No. 13,539. 9 Claims. (Cl. 17—1.)



1. A device for trussing poultry, comprising a shank and a holding hook extending laterally from one side of the shank and with its free end projecting in the opposite direction and located beyond the opposite side of said shank.

1,633,500. PUNCTURE-SEALING COMPOSITION FOR PNEUMATIC TIRES. ENRICO SERCHI, Siena, Italy, assignor to Isidore Braggiotti, Brookline, Mass. Filed Apr. 16, 1924, Serial No. 706,996, and in Italy May 2, 1923. 3 Claims. (Cl. 134—17.5.)

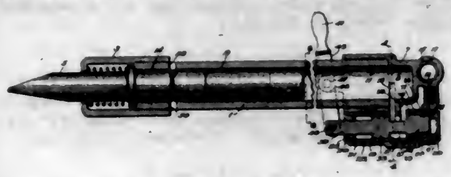
3. A composition for sealing punctures in pneumatic tires and the like having approximately the following composition:

	Parts by weight.
Talcum powder	20
Glycerine	10
Dextrine	15
Water	45
Coloring	.00025

1,633,501. IMPACT TOOL. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Oct. 10, 1922. Serial No. 593,577. 21 Claims. (Cl. 121—21.)

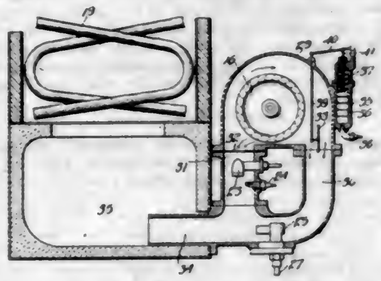
1. An impact tool having, in combination, a cylinder, a hammer piston, a tool for actuation by said hammer piston, means forming an ejector, a source of pressure fluid supply, piston actuating means including a coordinated controlling valve mechanism and means forming ports and passages controlled by said valve mechanism, said valve mechanism operative for effecting by said ports and passages alternate admission of pressure fluid from said source to an end of said cylinder and admission of

pressure fluid from said source to said ejector with connection of the latter to said end of said cylinder, said valve mechanism also operative to effect by said



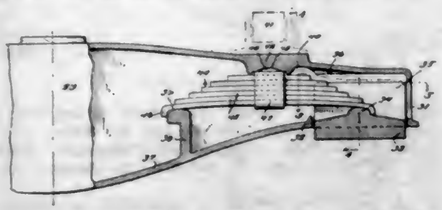
ports and passages exhaust of said pressure fluid admitted to said cylinder by passages independent of said ejector.

1,633,502. CONTROL SYSTEM FOR LIQUID-FUEL BURNERS. ALLEN C. STALEY, La Fayette, Ind. Filed Dec. 7, 1921. Serial No. 520,630. 4 Claims. (Cl. 158—28.)



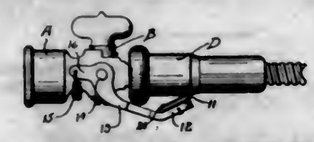
1. A control system for liquid fuel vapor pressure generators comprising a primary fuel nozzle, a secondary aspirator fuel nozzle, a pump for supplying fuel under pressure to the primary nozzle, a float controlled chamber for controlling the supply of fuel to the secondary nozzle, means for supplying air to both nozzles, means for diminishing the air supply to the aspirator nozzle as the vapor pressure increases beyond a predetermined point, and an auxiliary prime mover operated by the vapor, said auxiliary prime mover being arranged to operate the fuel pump and air supplying means at times when the secondary nozzle is inoperative, substantially as set forth.

1,633,503. TRUCK BOLSTER WITH ABSORPTION MECHANISM. THOMAS H. SYMINGTON and PERCY R. DRENNING, Baltimore, Md., assignors, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md., a Corporation of Maryland. Filed Oct. 7, 1926. Serial No. 140,185. 8 Claims. (Cl. 105—197.)



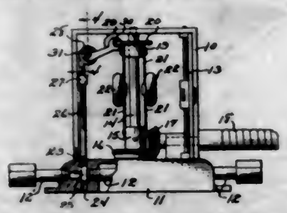
1. A truck bolster provided at the bottom of each end with an opening, a follower mounted for vertical movement within each opening and adapted to seat upon bolster supporting springs located within a side frame, and a bank of elongated plate springs located within each end of the bolster and engaging the follower to constitute cushioning means acting in series with the truck springs, said plate springs extending longitudinally of the bolster.

1,633,504. SAFETY GAS DEVICE OR COCK. ROBERT L. UHL, Chino, Calif. Filed Apr. 3, 1926. Serial No. 99,682. 2 Claims. (Cl. 284—13.)



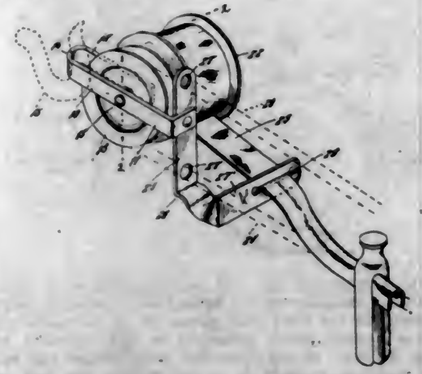
1. In a safety device of the character described, a gas outlet connection having a nose adapted to have a rubber tube engaged thereon, a substantially U-shaped arm structure straddlingly engaged upon the connection and pivoted thereto, a valve member loosely pivotally mounted on said arm structure and adapted to fit conformingly against the end of the nose, and a coil spring having its ends connected with said U-shaped arm structure and extending transversely of the connection in engagement therewith for normally urging the arm structure into certain position as to bring the valve into engagement with the nose.

1,633,505. GOVERNOR. JAMES H. VAN AUSDAL and JOSEPH T. BLACKBURN, Vinita, Okla. Filed July 21, 1926. Serial No. 123,999. 2 Claims. (Cl. 264—15.)



1. In an automatic speed control device for a vehicle having a fuel supply pipe, a valve operating in said pipe, a governor driven from the vehicle, an arm connecting the valve and governor, whereby the valve is automatically closed when the vehicle reaches a predetermined speed, said arm being capable of pivotal movement on the valve, for adjusting the governor, whereby the speed at which the valve is automatically closed can be regulated, and means for holding the valve and said arm fixed relatively for use.

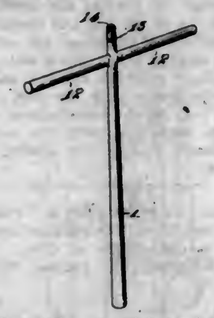
1,633,506. CLOTHESLINE PULLEY. AUGUSTIN J. WHELAN, Jersey City, N. J. Filed May 26, 1926. Serial No. 111,814. 1 Claim. (Cl. 68—3.)



A device of the class described comprising a bracket formed of a single piece of material bent upon itself to provide a pair of spaced parallel arms, a shaft jour-

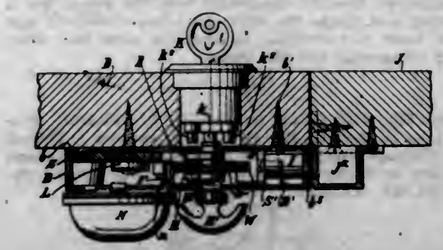
nalled in said arms and having a squared portion extending outwardly beyond one of said arms, a pulley wheel fixedly mounted on said shaft and interposed between said arms, and a reel having a square bore for the reception of the squared portion on said shaft, said reel adapted to contain a length of tape for covering a clothes line which is adapted to pass about said pulley wheel, and a tape and clothes line guide carried by one of said arms and extending forward of said pulley wheel and said reel.

1,633,507. HAIR WRAPPER. NENA M. ADAMS, Chicago, Ill. Filed May 7, 1926. Serial No. 107,477. 1 Claim. (Cl. 132—33.)



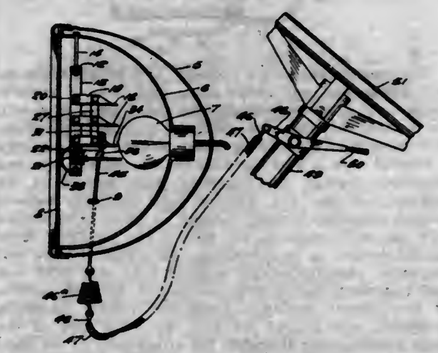
A hair waving device comprising a longitudinal tapering shank which is round in cross section, oppositely disposed arms extending therefrom adjacent the narrow end thereof, a kerf provided in the narrow end of said shank, and an annular groove provided in said shank adjacent the said end, said kerf and groove adapted to receive a piece of cord by which the device is attached to the base of a hank of hair to be waved, whereby the hank of hair may be twisted over and under said arms to produce a wave therein, while the free end of the hair is adapted to be wound about said shank to produce a curl therein.

1,633,508. CLOSURE LOCK. JOHN BARON, Long Island City, N. Y., assignor, by mesne assignments, to Louis Laxer and Charles Young, New York, N. Y. Original application filed June 24, 1925, Serial No. 39,202. Divided and this application filed Mar. 2, 1926. Serial No. 91,696. 2 Claims. (Cl. 116—8.)



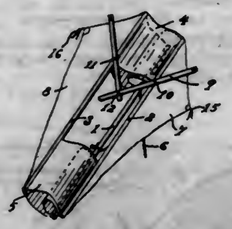
1. In locking means of the character designated, the combination of a slidable bolt plate, a stationary ward plate, a spring latch mounted on said slidable bolt plate and adapted to engage with the wards of said stationary ward plate, latch key lock means adapted to actuate said spring latch and slidable bolt plate, jamb bolt means mounted for actuation by said slidable bolt plate, an alarm sounding device mounted on said slidable bolt plate, means for normally holding said alarm sounding device inactive, said alarm sounding device including an actuating member normally disposed out of the path of movement of said spring latch but disposed in the path of the same upon movement of said jamb bolt means to locked position for engagement by said spring latch upon movement of said jamb bolt means to a retracted position other than by said key lock means for releasing said last means for permitting said alarm to sound.

1,633,509. HEADLIGHT-DEFLECTING ATTACHMENT. RUFUS L. ANDERSON, Orlando, Fla. Filed Nov. 9, 1926. Serial No. 68,020. 7 Claims. (Cl. 240—45.2.)



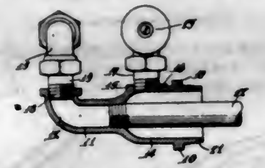
1. The combination with a headlight provided with the usual casing having a reflector and light source therein, of a plurality of sheet metal shutters pivotally mounted in advance of the light source within the reflector, the shutters being normally disposed in open horizontal, parallel planes and operatively arranged in upper and lower groups respectively embodying a plurality of shutters and a single shutter, the shutters of the upper group having edge-overlapping engagement when closed and the lower shutter fitting close to the lowermost of the upper group of shutters, and means connected to the shutters for simultaneously moving the shutters of the upper group upwardly and the remaining lowermost shutter downwardly.

1,633,510. KITE. GEORGE W. AYLING, Springfield, Ill. Filed Oct. 30, 1925. Serial No. 65,756. 2 Claims. (Cl. 244—22.)



1. A kite comprising three upright frame members spaced in triangular formation and a right angularly disposed frame member pivotally jointed mid-way between its ends and pivotally secured to each of the two adjacent upright frame members above their centers; a pair of main plane members secured to and encompassing said frame members near their respective ends thereof and a pair of wing members detachably secured to corresponding ends of said brace member by means of a loop on the wing members held within a slot in the ends of said brace member; said wing members secured to said adjacent frame members throughout their length whereby the kite may be quickly assembled for use or quickly dismounted, folded and ready to be carried conveniently.

1,633,511. COMBINATION RADIATOR CONNECTION. RAYMOND J. BALDWIN, Wissinoming, Pa. Filed Dec. 19, 1925. Serial No. 76,555. 1 Claim. (Cl. 137—75.)



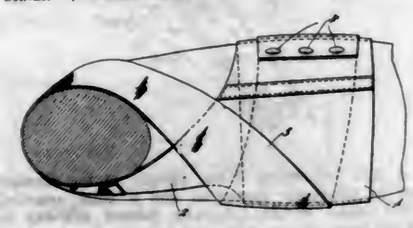
The combination with a radiator, of a connecting member having inlet and outlet pipes, said member comprising a body with substantially one-half thereof of a relatively large diameter, the remaining portion being gradually reduced to a relatively small member provided with a reduced bore, a pipe threaded in the reduced bore and extending through the relatively large portion of the member and into the radiator, said relatively reduced portion extending laterally causing an elbow to be formed with an outlet opening, the wall of the relatively large portion having an inlet opening, and a control valve and an outlet pipe threadingly connected in said inlet and outlet openings respectively, one end of the large portion of the member having a gland nut formed integrally therewith, and beyond the nut, the outer face of the large portion being threaded, for attachment to the radiator.

1,633,512. SNUBBER HOOK AND QUICK-FASTENER LINK. DONALD M. BATESON, Marshalltown, Iowa. Filed Jan. 21, 1926. Serial No. 82,743. 6 Claims. (Cl. 267—72.)



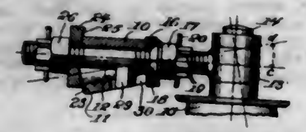
1. In a device of the class described, a pair of members comprising wire elements bent double, each having a loop at one end slidably receiving the other, and having a hook at its other end, a coil spring on said members between the loops, the spring serving as an adjustable closure for one hook, and a stop washer loosely mounted on one of said members between the other hook and the adjacent loop having at opposite edges, oppositely projecting members.

1,633,513. ARCH SUPPORT. CARL G. BERGMANN, Chicago, Ill. Filed May 31, 1924. Serial No. 717,180. 1 Claim. (Cl. 128—166.)



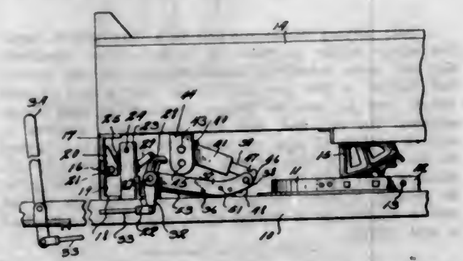
An arch support comprising a flexible loop shaped body adapted to embrace the arch portion of the foot, an extension on the body disposed at an acute angle thereto, an elastic strip having one end secured to the body at the outer end of the extension, and having its other end adapted to be passed around the ankle and arranged in crossed relation with the extension at a point above the instep with its normally free end passed around beneath the arch of the foot and detachably connected to one side of the body.

1,633,514. FAN SUPPORT. SEDGIE KIAH BILBO, Tylertown, Miss. Filed June 19, 1925. Serial No. 38,376. 1 Claim. (Cl. 308—15.)



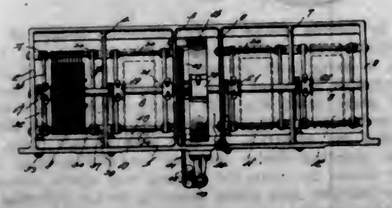
A device of the character described comprising an arm, a bearing carried thereby and provided with a slot, a rod passing through the bearing and having its opposite ends threaded, a lug on the rod and engaged in the slot, means for supporting a pulley at one end of the rod, one end of the bearing being flared and provided with serrations, a locking plate on the rod and also having serrations and engageable with the first mentioned serrations and lock nuts on the opposite ends of the rod and one of which is engageable with the serrated locking member and adapted to lock the bearing in lateral or adjusted position.

1,633,515. SELF-DUMPING TRUCK. PERRY A. BRICK, Galion, Ohio, assignor to The National Grave Vault Co., Galion, Ohio, a Corporation of Ohio. Filed Mar. 4, 1926. Serial No. 92,369. 10 Claims. (Cl. 298—38.)



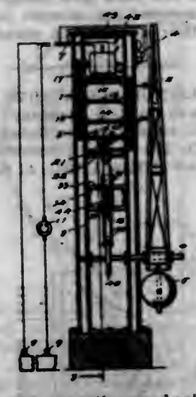
1. In a truck, a chassis, a tiltable body thereon having a keeper, a latch pivotally mounted upon the chassis for swinging movement over and into engagement with the keeper, and having a rounded eccentric lower face engageable with the keeper, a shaft upon which the latch is mounted, having a handle whereby the latch may be withdrawn from its engagement with the keeper, and a spring surrounding the shaft and acting thereon to urge the shaft in a direction to carry the latch into wedging engagement with the keeper.

1,633,516. MULTIPLE VARIABLE CONDENSER. WILLIAM M. BROWER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Jan. 17, 1927. Serial No. 161,665. 4 Claims. (Cl. 175—41.5.)



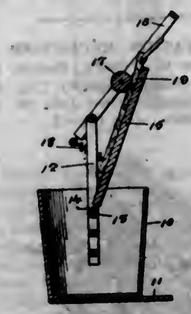
1. A multiple variable condenser comprising a chassis constituted by an integral substantially rectangular housing, a plurality of integral web members disposed in said housing at points spaced along said chassis providing compartments electrostatically isolated one from another, a variable condenser including stator and rotor plates disposed in each of said compartments, said stator plates being insulatingly suspended from the web members of said compartments, a shaft member passing through said chassis and journaled in the walls of said compartments for carrying said sets of rotor plates, whereby said sets of rotor plates may be variably interleaved with said sets of stator plates.

1,633,517. TRAIN-CONTROLLED RAILWAY-CROSSING GATE. AMOS E. BROWN, Damascus, Ark. Filed Aug. 26, 1926. Serial No. 131,737. 3 Claims. (Cl. 246—125.)



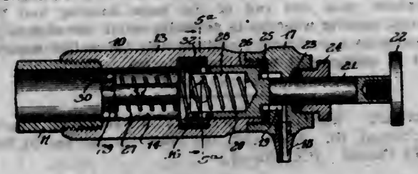
1. A crossing gate operating mechanism, comprising a stand, a shaft journaled therein, a gate secured to said shaft, a disk secured to the shaft, an electric motor supported in the stand and controlled by a train, an internally threaded plunger, a stem on said plunger, a link connecting said stem and disk, a threaded shaft engaging in said plunger, said shaft being geared to said motor to actuate the gate to closed position, and a counterweight to return the gate to open position when the motor is stopped.

1,633,518. MOP WRINGER. FRANK CLAY, St. Louis, Mo., assignor of five-sixths to Joseph Adler and one-sixth to Elmer C. Rodenmeyer, St. Louis, Mo. Filed Oct. 22, 1926. Serial No. 143,461. 3 Claims. (Cl. 15—262.)



1. A mop wringer comprising a receptacle, standards carried upon the inner sides thereof and disposed appreciable distances above the periphery thereof, a transversely disposed shaft carried by the standards, a platform mounted for oscillatory movement upon said shaft, an operating handle pivotally mounted upon the upper extremities of the standards, means for yieldingly connecting the handle with the platform, and a roller member journaled upon the operating handle adapted for frictional engagement with the platform to wring a mop head between the roller and the platform.

1,633,519. LIQUID-DISPENSING APPARATUS. CLARENCE P. CROWELL, Rochester, N. Y., assignor to Rochester Germicide Company Inc., Rochester, N. Y., a Corporation of New York. Filed Aug. 28, 1925. Serial No. 53,057. 4 Claims. (Cl. 221—102.)



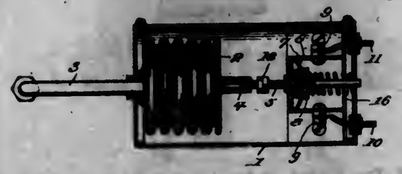
1. A liquid dispensing apparatus comprising a casing having inner and outer spaced valve chambers of equal bore and an intermediate chamber therebetween of greater cross-sectional area than either of said valve chambers, a valve normally closing the outer chamber and being movable through the intermediate chamber to close the inner chamber, said valve being so constructed that subsequent to entering the inner chamber it will permit the latter to remain in communication with the intermediate chamber for a predetermined period during inward movement of the valve, and means for returning said valve to normal position.

1,633,520. ROLLER BOX. HAROLD G. DURNELL, Bartlesville, Okla. Filed June 18, 1926. Serial No. 116,999. 4 Claims. (Cl. 308—7.)



1. A roller box of the class described comprising an elongated box having a slot in its top and a slot in its bottom with the bottom sloping downwardly toward the slot and a roller movably mounted in the box and adapted to support a rod line, said roller being tapered to conform to the sloping bottom.

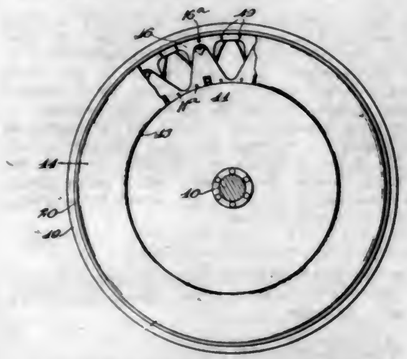
1,633,521. AUTOMATIC SWITCH. WILLIAM EDWARDS, Rock Springs, Wyo. Filed Feb. 19, 1925. Serial No. 10,395. 1 Claim. (Cl. 200—81.)



A device of the class described including a housing, an expansible member arranged within the housing and forming a chamber which is adapted to be placed in communication with the oiling system of an internal combustion motor, a switch housing in the main housing in alignment

with an expansible member, a threaded socket on one end of the expansible member, a threaded stem movable through one end of the switch housing and adjustably connected to the socket, nuts adjustable on the stem and disposed between the switch housing and the threaded socket for adjusting the limit of movement of the expansible member, a flexible switch member adjustable on the stem within the switch housing, oppositely disposed contacts carried by the switch housing and arranged upon opposite sides of the switch member and a coil spring mounted upon the stem within the switch housing and disposed upon one end of the main housing and the switch member whereby to normally retain the expansible member in a contractive position and the switch member out of engagement with the contacts.

1,633,522. RESILIENT WHEEL. CHARLES B. EVANS, Chicago, Ill. Filed Oct. 10, 1925. Serial No. 61,789. 11 Claims. (Cl. 152—8.)



1. A resilient wheel comprising a pair of disks having their outer portions offset to define reinforcing shoulders, a pair of annuli confined between the outer portions of said disks and having offsets defining shoulders, dust-excluding covers having beads engaged with said first and second-named shoulders, and springs having connection with said disks and said annuli.

1,633,523. POLISHING WHEEL AND PROCESS FOR TREATING SAME. WILLIAM E. FOSTER, Detroit, Mich. Filed Apr. 9, 1925. Serial No. 21,886. 5 Claims. (Cl. 51—193.)



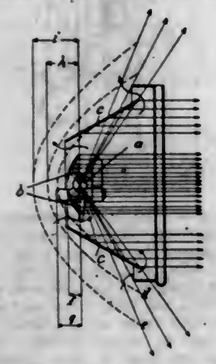
5. The method of forming a polishing wheel from a plurality of superimposed sections consisting in infusing into each of said sections a mixture equally of oil and glue, pressing the surplus oil from each of said sections and gluing the faces of said sections together by affixing thereto an independent layer of glue.

1,633,524. TIRE-CHAIN FASTENER. JAMES ACHILLES GARLAND, Portsmouth, N. H. Filed Nov. 23, 1925. Serial No. 70,937. 3 Claims. (Cl. 24—241.)



1. In a device of the class described, a plurality of pivotally mounted jaws movable towards each other, means for mounting the jaws, said mounting means including jaw engaging devices constituting flanged elements formed on the mounting means, for retaining the jaws in position to hold the end links of a chain, and a pivotally and resiliently mounted key movable between the jaws and preventing their movement in releasing position.

1,633,525. REFLECTOR FOR QUARTZ LAMPS. FRITZ GIRARD, Hanau-on-the-Main, Germany. Filed Aug. 24, 1921, Serial No. 494,983, and in Germany Feb. 2, 1919. 6 Claims. (Cl. 250—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



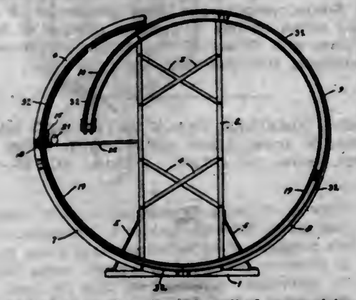
1. Irradiating device comprising a reflector of refractory material, a quartz lamp near the focus of said refractory reflector and a second reflector, said refractory reflector being arranged to reflect the rearwardly emitted rays, said second reflector the forwards emitted rays of said lamp, said second reflector having a greater focal length than said refractory reflector.

1,633,526. ROTATION MECHANISM FOR ROCK DRILLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 26, 1926. Serial No. 118,737. 1 Claim. (Cl. 121—7.)



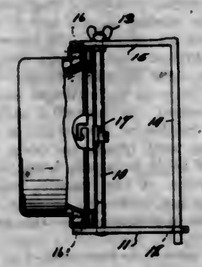
A rotation mechanism for percussive drills comprising a rifle bar having a ratchet head, a pawl ring surrounding said ratchet head, pawls to engage said ratchet head and supported by said pawl ring, bores and counterbores concentric in said ring, differential piston plungers in said bores and counterbores to actuate said pawls, atmospheric leak ports at the bottom of said bores to relieve fluid pressure under the heads of said piston plungers, and a circumferential groove in said pawl ring in communication with a source of constant pressure.

1,633,527. MECHANICAL GOLF INSTRUCTOR AND EXERCISER. JOHN HANSEN, Bettendorf, Iowa, assignor of four twenty-fifths to William H. Martin, ten twenty-fifths to T. S. Cunningham, and one twenty-fifth to Thomas McQuarrie, Davenport, Iowa. Filed Oct. 25, 1926. Serial No. 143,977. 6 Claims. (Cl. 273—35.)



1. A device of the class described, comprising a rail and support therefor, a traveller movable along said rail, and adapted for connection with the head end of a golf club, and mechanism associated with said traveller for giving a gradual rotation to the stick of a golf club connected therewith during the movement of said traveller along the rail, conforming to the usual movement of the stick in making a stroke.

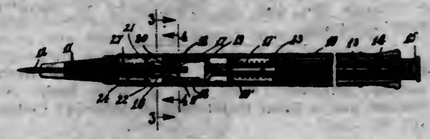
1,633,528. HEADLIGHT-DOOR REMOVER AND REPLACER. JOHN W. HELLER, Arlington, Kans. Filed Mar. 27, 1926. Serial No. 97,934. 4 Claims. (Cl. 81—53.)



1. A device for removing headlight doors comprising two opposed approximately parallel members having longitudinally extending grooves upon their inside confronting faces, a rod connecting said members and having means whereby one of the members may be forced toward the other, and a cross bar pivotally mounted upon the rod midway between said members, the cross bar having one face thereof at its ends disposed in the same plane as the ends of said rod.

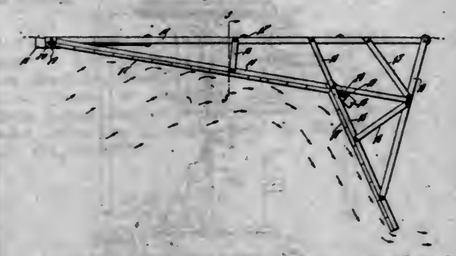
1,633,529. MAGAZINE PENCIL. CHARLES C. HOFFMAN, New York, N. Y. Filed Oct. 26, 1925. Serial No. 64,769. 2 Claims. (Cl. 120—17.)

1. A magazine lead pencil comprising an outer casing, a slidable member mounted in said casing, a pair of jaws pivotally mounted on said slidable member, operating mechanism for said jaws comprising an internal cam member, and a handle for said cam member extending outside of said casing, said operating mechanism being



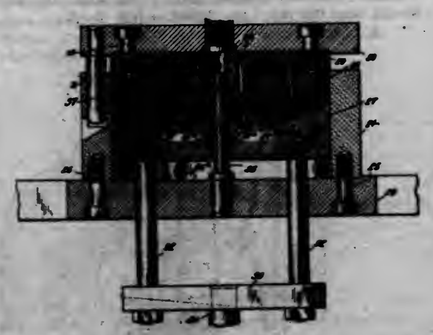
adapted to cause said jaws to grip the lead of said pencil when said handle is turned in a clockwise direction and to release said jaws when said handle is turned in a counterclockwise direction.

1,633,530. CURRENT RETARDER. LEWIS JORGENSEN, Sioux City, Iowa. Filed Apr. 6, 1925. Serial No. 21,144. 1 Claim. (Cl. 61—3.)



A current retarder comprising a frame adapted to be arranged vertically against the bank of a stream, and including front and rear sections arranged substantially V-shaped in plan, said frame including an additional section projecting forwardly from one end thereof and suitably braced, a wall supported upon the front section and against which the stream of water is adapted to initially strike, a wall supported by said additional section and arranged obliquely to the first mentioned wall, and against which the water is directed from said first mentioned section, and caused to move away from the bank, and means carried by the frame and adapted to be embedded in the ground for supporting the frame in position for use.

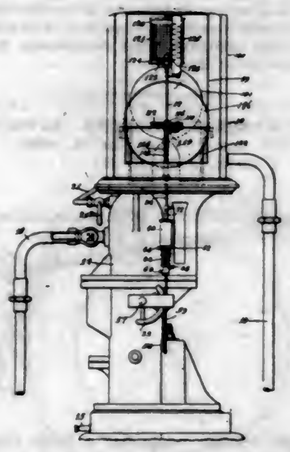
1,633,531. SPRAY DISK AND METHOD AND APPARATUS FOR MAKING THE SAME. ANDREW P. KELLER, Tiffin, Ohio. Filed June 28, 1926. Serial No. 118,908. 7 Claims. (Cl. 25—27.)



4. Apparatus for molding a spray disk, said apparatus comprising a mold member adapted to shape the outer face of the disk and molding means including outwardly diverging aperture-molding projections for molding the

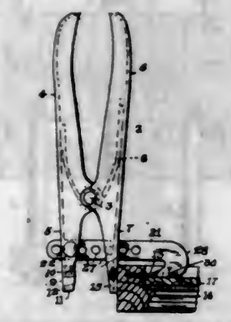
inner face and the apertures of the disk, the said mold member and the said molding means being so constructed and arranged as to permit the said pins to be forced so far through the disk as substantially to make it through-apertured.

1,633,532. LIQUID METER. WALTER GEORGE KENT, London, England. Filed Apr. 2, 1923, Serial No. 629,359, and in Great Britain Apr. 5, 1922. 17 Claims. (Cl. 73—167.)



1. In a register for meters of the venturi type, the combination of a modified U-tube for containing the working liquid having means therein actuated by the height of the liquid in one leg thereof, an oscillatable spindle, an arm rigidly secured to said oscillatable spindle, a link connecting said arm with said liquid actuated means in the leg of the U-tube, indicating means for said register and means connecting said indicating means to said spindle, the link and arm being so arranged that the angle through which the spindle is turned by a definite movement of said liquid actuated means is larger at small pressure differences than at large pressure differences and the U-tube being so shaped that the movement of the indicating means is proportionate to the rate of flow.

1,633,533. BRAD DRIVING AND EXTRACTING TOOL. ALBERT L. KERN, Aurora, Ill. Filed Aug. 19, 1926. Serial No. 130,180. 9 Claims. (Cl. 7—3.)

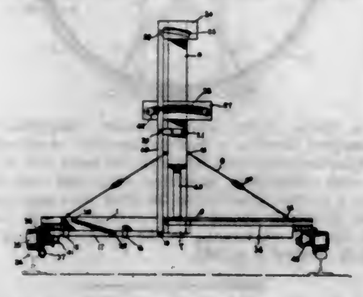


1. In combination, a tool of the character described comprising a pair of levers pivotally connected together, the upper end portions of said pair of levers formed to provide operating handles, the lower end of one of said pair of levers forming a bracing leg and the lower end of the other of said pair of levers provided with a brad extracting claw, and a driving bar connected to one of said levers and having a brad driving claw formed at the free end thereof.

1,633,534. GLASS AND PROCESS OF MAKING THE SAME. BERNARD LONG, Paris, France, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Filed Jan. 12, 1926. Serial No. 80,840. 3 Claims. (Cl. 106—36.1.)

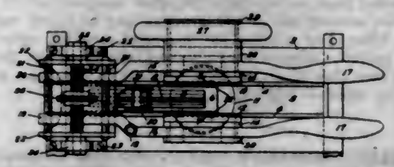
1. A glass having high absorption for short rays such as the X-rays, containing a large percentage of X-ray absorbing oxides tending to decrease changes of fluidity of the glass with change of temperature conditions, and also containing zirconium oxide.

1,633,535. COMBINED TRACK LEVEL AND GAUGE. CHARLES S. LUSK, Alfred Station, N. Y. Filed Sept. 3, 1921. Serial No. 498,209. 1 Claim. (Cl. 33—145.)



In a track gauge, a truck, a transverse beam carried by said truck and forming therewith a cross member for bridging the space between opposite rails of a railway track, flanged wheels carried by said truck, the treads of said wheels forming rail-tread engaging surfaces, and the flanges of the wheels on one side of said truck constituting shoulders for engaging the inner surface of the rail-tread of the adjacent rail, at least some of said wheels being inclined at such an angle to the longitudinal direction of said track as to maintain said rail-engaging shoulders in constant contact with said adjacent rail through forward motion of said truck, a gauge bar slidably supported by said transverse beam, the outer end of said gauge bar being engagable with the inner surface of the tread portion of the opposite rail, a spring for urging said gauge bar outwardly, a scale, and means for registering lateral movement of said gauge bar upon said scale.

1,633,536. GOLF-BALL MARKER. JOSEPH E. McGINNESS, Pittsburgh, Pa. Filed July 13, 1926. Serial No. 122,148. 13 Claims. (Cl. 101—38.)



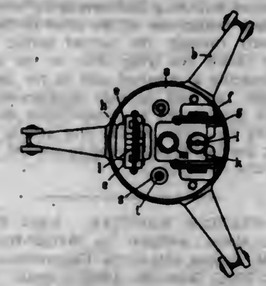
1. A golf ball marker comprising a supporting frame, a ball clamp thereon, a freely movable type carriage, and means independent of the type carriage for rotating the ball clamp.

1,633,537. SAFETY SHEAVE BLOCK. WILLIAM H. MCKISSICK, Tulsa, Okla. Filed May 3, 1926. Serial No. 106,373. 9 Claims. (Cl. 254—197.)



1. In a safety block, a support, a becket, from which the support is suspended, a sheave journaled on the support, a pair of guard plates attached to the support and having upright guard flanges at each side normally in registration, one of said plates being immovably attached to the support, and the other plates being laterally adjustable and non-rotatable.

1,633,538. LAMP SUPPORT. KARL MENSING, Hanau, Germany, assignor to The Firm: Quarzlampen-Gesellschaft, m. b. H., Hanau, Germany. Filed July 22, 1925, Serial No. 45,388, and in Germany Apr. 4, 1925. 6 Claims. (Cl. 250—34.)
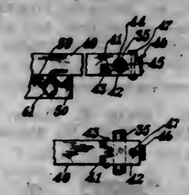


1. Electric lamp support comprising a base plate, a hood covering said plate, a standard supported in a centric depression of said plate and extending through a centric opening in said hood, a transformer and a choke coil removably fixed on said plate around said standard, feet elements removably fixed to said plate and a sleeve embracing said standard near the upper part of said hood and removably fixed to one of the parts fixed on said plate.

1,633,539. CONNECTING LINK. WILLIAM R. MILLER, Medford, and ISRAEL GORDON, Malden, Mass. Filed Jan. 21, 1927. Serial No. 162,616. 1 Claim. (Cl. 24—236.)

A compound snap hook, comprising an elongated piece of metal bent upon itself at its ends to form spaced hooks of curved formation, with the section connecting the hooks bent inwardly at its middle portion sufficiently to bring its outer side approximately into line with the longitudinal centre of the compound hook; and an elongated curved spring rigidly secured at its middle portion to said inwardly bent section of the hook with its concave side facing outwardly, said spring being disposed in the plane of the hook and being of suitable length, and outward curvature at its ends, to cause its ends to lap the inner concave faces of the open ends of the hook and to press into forcible engagement with said faces, the lapping convex portions on the ends of the outer concave side of the spring being arranged to fit the lapping concave faces of the hooks, and to meet and form points with the inner convex side of spring at its extreme ends; whereby said inner convex face of the spring merges at the ends of the spring into the concave inner faces of the hooks; said spring being of a thickness less than the thickness of the material from which the rest of the device is formed.

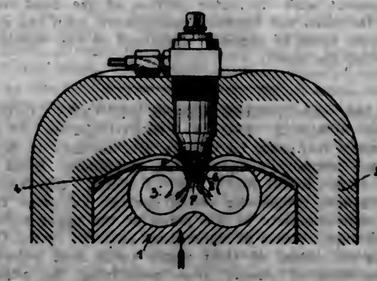


1,633,540. AERIAL ILLUMINATING DEVICE. STEPHEN G. VAN DERBECK, Hackensack, N. J., and JOSEPH BORTOLIN, Brooklyn, N. Y., assignors of one-third to Waldo R. Blackwell, Brooklyn, N. Y.; Frederick Lampe executor of said Waldo R. Blackwell, deceased. Filed July 31, 1923. Serial No. 654,846. 1 Claim. (Cl. 40—127.)



The combination with an aeroplane of a plurality of hangers extending therefrom, pairs of supporting rods supported by said hangers, girders for said supporting rods, each of the girders having a cap hinged thereto, said caps and the ends of the girders having supporting surfaces to engage said rods, a latch spring to lock each cap to its girder, a bolt extending through each cap and the girder to bolt them together, and a letter connected to the lower faces of said girders.

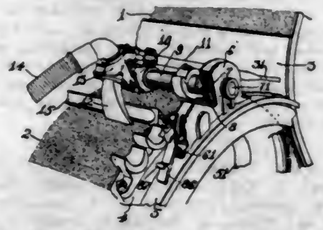
1,633,541. INTERNAL-COMBUSTION ENGINE. LORENZ KONRAD BRAREN, Munich, Germany, assignor to the Firm: Friedrich Deckel, Präcisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Filed Jan. 6, 1926, Serial No. 79,655, and in Germany Jan. 14, 1925. 5 Claims. (Cl. 123—32.)



1. In internal combustion engines of the type where the fuel is injected at or near the end of compression a piston, a cylinder, and means for injecting fuel lo-

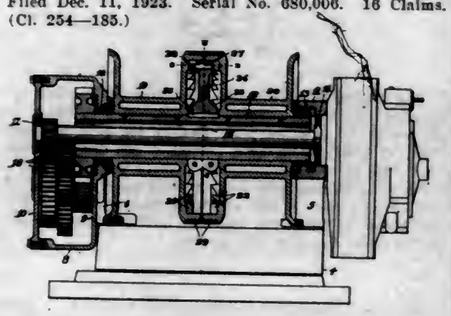
cated centrally in the head of said cylinder, said piston and the head of said cylinder at the end of compression forming a combustion chamber of the shape of a torus surrounding said fuel injecting means and also a flat annular space surrounding said torus and extending tangentially to said torus.

1,633,542. PNEUMATIC STRIPPER ATTACHMENT FOR CARDING ENGINES. ERNEST CLARK, Abington, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a trust. Filed Feb. 23, 1926. Serial No. 89,855. 3 Claims. (Cl. 19—109.)



1. In a pneumatic stripper attachment for carding engines, the combination with a stripper-nozzle, a traverse-screw, and an actuating gear, of a change-gear on said traverse-screw, an idler-gear intermediate said actuating gear and said change-gear, and a slotted support providing for adjustment of the idler-gear to suit change-gears of different diameters.

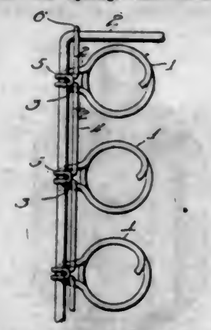
1,633,543. HOIST. OMAR E. CLARK, Denver, Colo. Filed Dec. 11, 1923. Serial No. 680,006. 16 Claims. (Cl. 254—185.)



1. In combination, a reversibly rotatable shaft, and means for rotating it in reverse directions, a radially disposed driving head rigidly fixed to the shaft, winding drums loosely journaled on the shaft on opposite sides of the head, and a reciprocable dog having a movable engagement with the outer portion of the head remote from the shaft for alternate engagement with the drums to rotate them in opposite directions on the reverse rotation of the shaft.

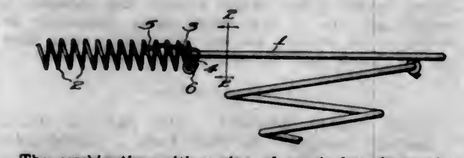
1,633,544. ANCHORING MEANS BETWEEN CUSHIONING SPRINGS AND A SURROUNDING FRAME. DARWIN HANAUER, La Grange, Ill., assignor to Kinney Rome Company, a Corporation of Illinois. Filed May 21, 1925. Serial No. 31,798. 1 Claim. (Cl. 5—260.)

A cushion comprising coiled springs, an outer frame lying approximately in the plane of the upper turns of said springs, certain of the springs adjacent to the frame having the metal of their upper turns bent outwardly in the form of double arms underlying the adjacent frame member, and a tie wire extending along said frame member across the tops of said arms and having a series of U-shaped loops formed in the same, each loop extending down through the space within one of the double arms on the springs and then upwardly past



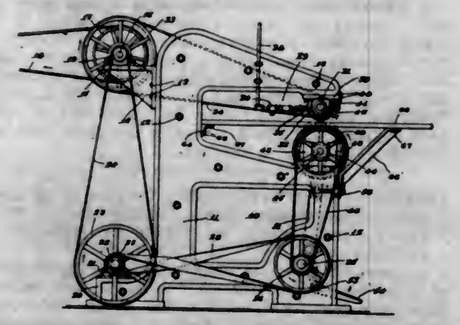
the outer side and across the top of said frame member so as to fit snugly on said frame member and press the arms against said frame member.

1,633,545. SPRING STRUCTURE. DARWIN HANAUER, La Grange, Ill., assignor to Kinney Rome Company, a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 82,953. 1 Claim. (Cl. 5—269.)



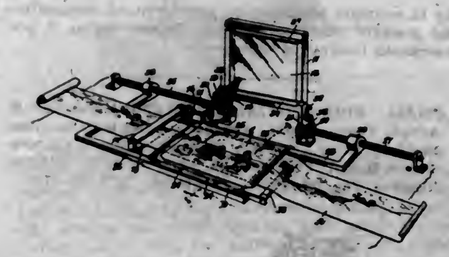
The combination with a ring of a spiral spring and a helical spring lying in the same plane as said ring and engaged at one end therewith, of a V-shaped clip looped over the wire of said ring and having its arms extending into the helical spring, one of the arms of the clip being bent outwardly through the helical spring to form a substantially closed eye lying close to the apex of the clip and embracing a terminal coil of the helical spring so as to hold the coil in said engagement with the ring, and the parts being so proportioned that the bend connecting the two arms of the clip stands apart from the adjacent portion of said ring to permit the ring to be wedged into the clip.

1,633,546. GLAZING MACHINE. DANA E. HARDING, Arlington, Mass., assignor to Wright-Harding Company, East Boston, Mass., a Corporation of Massachusetts. Filed May 13, 1925. Serial No. 30,032. 2 Claims. (Cl. 149—15.)



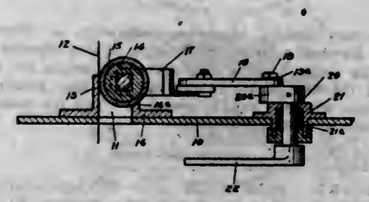
2. In an improved glazing and burnishing machine, the combination of a rotatably mounted heated glazing roll provided with a plurality of parallelly arranged corrugations on its periphery, means for rotating the same at a high speed, a shaft, slidably mounted bearings for said shaft, a feeding roll mounted on said shaft, a treadle, and connecting means between the treadle and said shaft for moving the same vertically to bring the feeding roll into and out of engagement with the corrugated roll.

1,633,547. APPARATUS FOR PRODUCING ANIMATED DRAWINGS. EARL HURD, New York, N. Y., assignor to Bray-Hurd Process Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 9, 1926. Serial No. 93,369. 11 Claims. (Cl. 88—16.)



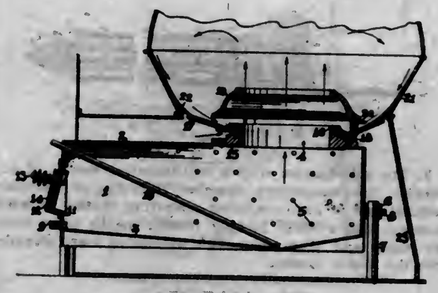
1. An apparatus for use in making animated drawings, including a pair of rollers adapted to engage with and advance a panorama strip or background, means for determining the position of a series of pictures adapted to be superposed thereon, and showing a movable object in successive positions, a frame adapted to hold the picture and panorama strip flat during photographing, and means for connecting said frame and said rollers for actuating the latter upon movement of said frame.

1,633,548. SEAL FOR DRIERS, HEATERS, OR THE LIKE. ROBERT R. JONES, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 4, 1925. Serial No. 73,291. 2 Claims. (Cl. 34—48.)



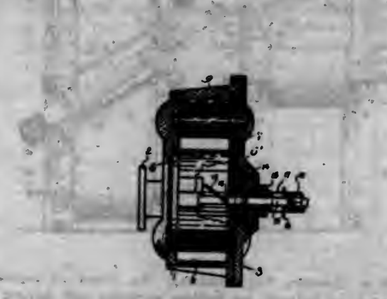
1. A seal for apparatus of the class described, comprising an abutment member adjacent one side of an opening therein, a roller movable across said opening into engagement with said abutment member, a sealing member adjacent the other side of said opening and formed with an arc-shaped seat for said roller, and means for moving the roller over said opening, comprising a yoke on which the roller is journaled, a crank shaft journaled in the casing, said shaft projecting from the casing, an operating lever secured on the shaft outside of the casing and a link connecting said crank shaft to said yoke, said connection being adapted to permit said roller to ride over said arc-shaped seat when it is moved from over said opening.

1,633,549. LIQUID-FUEL BURNER. HARRY C. LITTLE, Larkspur, Calif., assignor to V. J. B. Cheda, San Rafael, Calif. Filed Nov. 29, 1926. Serial No. 151,571. 6 Claims. (Cl. 158—92.)



1. A liquid fuel burner having a combustion chamber enclosed by side walls, a top and a bottom, a large opening located in the top through which the gases of combustion may pass from the combustion chamber, a ring resting on the top and located inside the edge of the large opening, and an air-guiding ring resting on the first mentioned ring and spaced therefrom, whereby a quantity of air may enter the burner and mix with the gases of combustion passing through the large opening in the top.

1,633,550. FLUID POWER TRANSMISSION. EDWARD H. MCKINNEY, Salina, Kans. Filed Nov. 27, 1925. Serial No. 71,798. 4 Claims. (Cl. 192—58.)



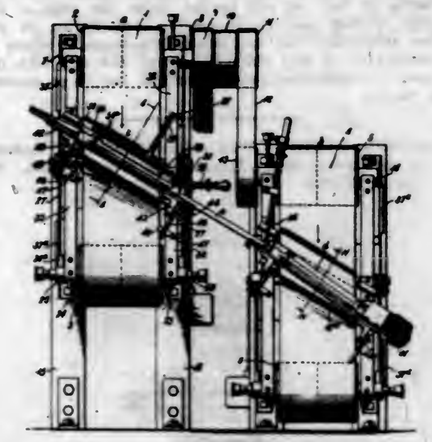
1. In a fluid power transmission, a drive shaft and a driven shaft, a housing rigidly attached to the drive shaft, a rotor in said housing rigidly attached to the driven shaft, an annular working chamber circumscribing the periphery of said motor, said chamber being filled with fluid, three rotatable abutments engaging with the peripheral face of said rotor, gears on one side of said rotor and abutments, said gears being in mesh for correct timing purposes, recesses across the faces of said abutments, divided pistons slidably engaging through the axis of said rotor, slots angling across the inner ends of the members of said pistons, said slots angling in opposite directions, a bar transversely engaging between the members of said pistons, protruding pins in said bar engaging in said slots, and means for reciprocating said bar for the reciprocation of the members of said pistons in opposite directions simultaneously for the purpose described.

1,633,551. ROCK DRILL. GUSTAVE M. NELL, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed June 28, 1920. Serial No. 392,225. 13 Claims. (Cl. 121—9.)



1. The combination with a tool-actuating motor, of extensible feeding means therefor including a cylinder member and a piston member operating in the cylinder member, and a brake for the feeding means other than the motor and having a portion extending longitudinally into the piston member.

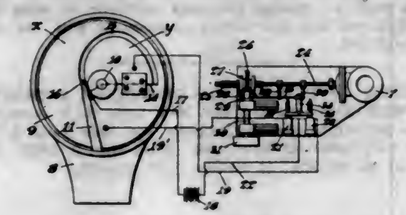
1,633,552. MACHINE FOR TRIMMING THE EDGES OF MOLDED DISKS. CYRUS B. WELLS, Auburn, N. Y., assignor to The Scranton Button Company, Scranton, Pa., a Corporation of Pennsylvania. Filed Apr. 12, 1926. Serial No. 101,490. 6 Claims. (Cl. 51—135.)



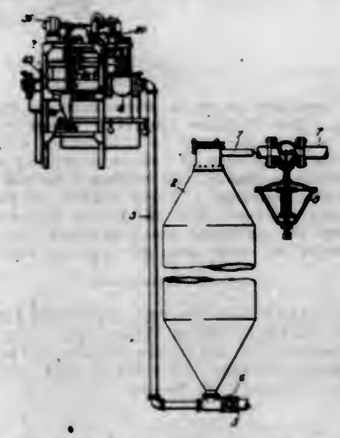
1. In a machine for trimming the edges of molded disks, such as buttons, an endless abrasive belt having a stretch adapted to travel downwardly, means for driving the belt, and a disk guide extending across the face of said stretch and inclined downwardly toward the discharge end, said guide having parallel top and bottom walls adapted to hold the disks edgewise with respect to the belt, and having one side wall, the latter spaced from the belt by approximately the width of the disks which are to be trimmed and the side of the guide opposite said side wall being open to permit the disks to engage the belt.

1,633,553. APPARATUS FOR TREATING PULP. CARLTON H. ALLEN, Millinocket, Me., assignor of one-half to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed Dec. 29, 1919. Serial No. 348,059. Renewed Nov. 20, 1926. 3 Claims. (Cl. 92—7.)

1. A pulp treating apparatus of the character described comprising, in combination, a digester, means for supplying steam to said digester, means for automatically controlling the supply of steam to said digester and additional means for automatically controlling the discharge of fluids from said digester, said means cooperating to maintain substantially predetermined temperature and pressure conditions in said digester during a predetermined interval of time.



1,633,554. PULP-COOKING APPARATUS. CARLTON H. ALLEN, Dayton, Ohio, assignor of one-half to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed Jan. 26, 1923. Serial No. 615,034. Renewed Nov. 20, 1926. 14 Claims. (Cl. 92—7.)



1. A pulp cooking apparatus comprising, in combination, a digester, a steam line leading to said digester for supplying steam thereto, and automatic means for controlling the flow of steam through said line jointly in accordance with the rate of steam flow and the pressure conditions in said digester.

1,633,555. CONTAINER AND SEALING MEANS THEREFOR. FRANCIS R. BURGESS, Chicago, Ill., assignor to American Flange & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1927. Serial No. 172,375. 10 Claims. (Cl. 220—39.)



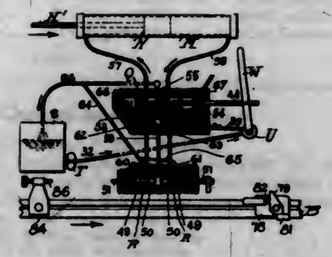
1. The combination with a container formed with a hole through a wall thereof; of an interiorly threaded bushing assembled with said wall in alignment with said hole, said bushing having a circumscribing flange which laps the wall where the wall surrounds said hole; a closure plug screwed within the bore of the bushing; and a hood assembled with said container wall by said flange and covering the outer end of said plug to prevent undetectable access thereto.

1,633,556. CONTAINER AND SEALING MEANS THEREFOR. FRANCIS R. BURGESS, Chicago, Ill., assignor to American Flange & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1927. Serial No. 172,376. 7 Claims. (Cl. 220—39.)



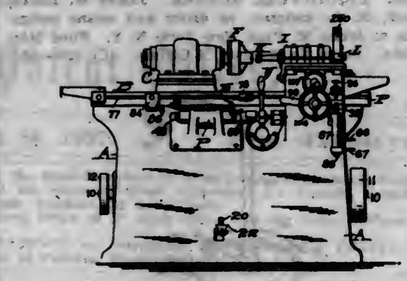
1. The combination with a container formed with a hole through a wall thereof; of an interiorly threaded bushing received in said hole and assembled with said wall, said bushing having a circumscribing flange of polygonal contour and which laps the wall where the wall surrounds said hole, the wall be formed with angular portions receiving angular portions of said flange to prevent the bushing from turning; a closure plug screwed within the bore of the bushing; and a guard lapping the plug and having a portion confined between said container wall and bushing flange in said angular wall portions and having angular portions receiving said angular portions of the flange.

1,633,557. FLUID-PRESSURE-OPERATING MECHANISM FOR RECIPROCATING MEMBERS. RALPH L. MORGAN, Worcester, Mass., assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Nov. 20, 1920. Serial No. 425,475. 11 Claims. (Cl. 121—45.)



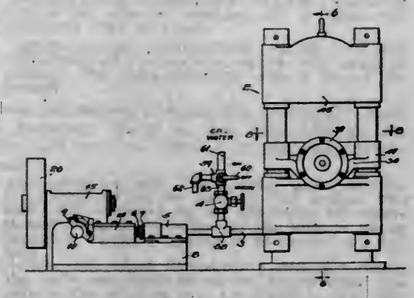
1. The combination of a frame or base, a moving member fitted to slide thereon, a cylinder and piston for reciprocating the member, a main valve for controlling the flow to the cylinder, an operating handle effective for manual movement of said main valve, auxiliary valve mechanism connected to control the movements of said main valve, and means to automatically actuate said auxiliary valve mechanism, said auxiliary valve mechanism automatically returning to normal position after such actuation and as the direction of movement of said moving member is reversed, and being connected to relieve said main valve of unbalanced pressure, when in normal position, whereby said main valve may be thereafter freely moved manually by said handle while connected for automatic control.

1,633,558. GRINDING MACHINE. RALPH L. MORGAN, Worcester, Mass., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Original application filed Nov. 20, 1920, Serial No. 425,475. Divided and this application filed Mar. 12, 1923. Serial No. 624,358. 27 Claims. (Cl. 51—233.)



1. A grinding machine having, in combination, a grinding wheel, a frame, a member fitted to slide thereon to produce relative axial movement of the wheel and work a cylinder and piston for reciprocating said member, and controlling mechanism therefor normally effective to maintain a given adjusted uniform rate of travel of said sliding member, said controlling mechanism including a main valve for said cylinder, a speed adjusting device, and a valve which may be actuated to give said member a higher speed when the wheel and work are in spaced relation, while leaving the normal speed adjustment unchanged.

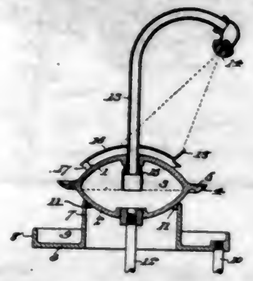
1,633,559. PRESS. JOHN S. GULLBORG, Chicago, Ill., assignor, by mesne assignments, to Alemite Die-Casting & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1923. Serial No. 660,303. 2 Claims. (Cl. 78—42.)



1. In a hydraulic press system, a hydraulic press including a cylinder, a piston reciprocably mounted in the cylinder, and a platen spaced from and connected to the cylinder having a portion cooperable with the top of the piston, a pulsator including a reciprocatory member having a small amplitude of movement, but moving with great force, said member moving slowly initially, speeding up in the middle of the stroke, and ending the stroke relatively slowly, and a fluid connection between the press cylinder and said reciprocatory member for causing the force of said member to be applied to and magnified by the liquid in the press to actuate said press

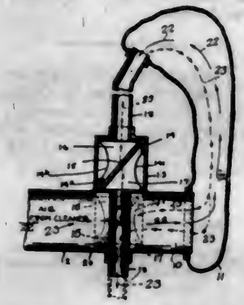
piston, said movement of the reciprocatory member causing said press piston to move the metal being worked slowly initially to move it more rapidly on the intermediate portion of the stroke and to move it slowly finally so as to give the metal time to set.

1,633,560. LIQUID-FUEL BURNER. JAMES W. LOGAN, Newark, N. J., assignor, by direct and mesne assignments, to Jenny M. Page, New York, N. Y. Filed Mar. 14, 1924. Serial No. 699,240. 6 Claims. (Cl. 158—66.)



1. A gravity fed liquid fuel burner comprising, a hollow casing forming a combined liquid fuel and gas chamber, a liquid fuel feed pipe opening into the bottom of the chamber, a gas burner pipe leading from the top of the chamber and having its nozzle directed downwardly toward said casing, and a hollow extension for the gas burner pipe projecting downwardly a predetermined distance into the chamber, the bore of said extension being larger than the bore of the gas burner pipe.

1,633,561. DIRT-EJECTING VACUUM CLEANER. THOMAS DREW, West Springfield, Mass. Filed June 17, 1926. Serial No. 116,704. 2 Claims. (Cl. 15—16.)



1. In a vacuum cleaner an elongated dirt receptacle, means for attaching the dirt receptacle to the body of the vacuum cleaner comprising a pipe connection to which an end of the said receptacle is attached, the pipe connection having an upper hollow extension, a pipe leading from the extension and communicating with the interior of the extension, a valve body which is slidably located in the extension and formed with oppositely disposed ports, an inclined partition plate in the said body located between the ports, the said pipe leading from the extension on one side of the said partition plate and communicating with one port of said valve and one end of the receptacle, the said valve having a downwardly extending tubular extension on the other side of the partition plate and communicating with the other port and passing downwardly across and through the said pipe connection.

Patents Nos. 1,633,562 to 1,634,249.

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Trade-Marks	235—No.	229,353 to No.	229,587, inclusive.
Labels	30—No.	32,239 to No.	32,268, inclusive.
Prints	25—No.	9,985 to No.	10,009, inclusive.
Reissues	3—No.	16,663 to No.	16,665, inclusive.
Designs	50—No.	72,924 to No.	72,973, inclusive.
Patents	698—No.	1,633,562 to No.	1,634,249, inclusive.
Total	1,061		

Changes in Classification.

Order No. 3,013, June 9, 1927, directs:

In *class 28, Textiles* (Division 21), establish the following subclass and definition, the patents contained in this subclass having been taken from class 28, subclass 56, Pile tufting, loom replenishing:

Pile tufting, pattern setting
55.6 With loom replenishing.

55.6. PILE TUFTING, PATTERN SETTING, WITH LOOM REPLENISHING. Also having mechanism for facilitating the threading of the tuft threads through the tubes of the loom tube frame.
Search this class, subclass 56, for the replenishing mechanism.

In *class 28, Textiles* (Division 21), subclass 56, Pile tufting, loom replenishing, add to the definition the following note:

Search this class, subclass 55.6.

In *class 128, Surgery* (Division 43), abolish the following subclasses, with their definitions, the patents formerly contained in these subclasses having been placed for the most part in class 128, Surgery, existing subclass 173, Medicators, Atomizers, and subclasses 173.1, 173.2, and 173.3, indented thereunder, established in this order, and in class 299, Fluid Sprinkling, Spraying, and Diffusing, various subclasses of Sprayers:

Medicators
Atomizers
174 Aspirating and pressure
175 Nebulizers,
176 Piston,
177 Aspirating
178 Nebulizers
179 Piston,
180 Piston,
181 Steam current,
182 Pressure
183 Piston.

In *class 128, Surgery* (Division 43), establish the following subclasses and definitions, the patents contained in these subclasses having been taken for the most part from subclasses 174–183 of this class, abolished in this order:

Medicators
Atomizers
173.1 Multiple fluid,
173.2 Steam.
173.3 With tongue depressors.

173.1. MEDICATORS, ATOMIZERS, MULTIPLE FLUID. Atomizers within the scope of subclass 173 having means to mix and deliver a plurality of medicines.

173.2 MEDICATORS, ATOMIZERS, STEAM. Atomizers within the scope of subclass 173 in which the atomizing fluid is steam.

173.3. MEDICATORS, ATOMIZERS, WITH TONGUE DEPRESSORS. Atomizers within the scope of subclass 173 when combined with a tongue depressor.

In *class 128, Surgery* (Division 43), subclass 173, Medicators, Atomizers, cancel the first note following the definition and insert at the end of the definition the following:

when provided with some means which particularly adapts them for surgical and medical use, such, for example, as an applicator or nozzle formed to apply to orifices of the body or means formed to enable the spray to be carried into the body.

Note.—Atomizers which only spray a medicine against the body and those in which the invention lies only in the spraying part are found in class 299, Fluid Sprinkling, Spraying, and Diffusing, subclasses 53–100, indented under "Sprayers."

In *class 299, Fluid Sprinkling, Spraying, and Diffusing* (Division 46), establish the following subclass and definition, the patents contained in this subclass having been taken for the most part from class 128, Surgery, subclasses 174–183, abolished in this order:

Sprayers
Multiple fluid
Hand-pump atomizer type
88.5 Nebulizers.

88.5. SPRAYERS, MULTIPLE FLUID, HAND-PUMP ATOMIZER TYPE, NEBULIZERS. Includes those air-blast atomizers in which the atomization takes place within the container of the liquid which is being atomized. The vapor thus formed is delivered from the container through a tube or nozzle.

Condition of Applications Under Examination at Close of Business June 17, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 63,547; Trade-Mark Division, 1,887. Oldest new case, Oct. 30, 1926; oldest amended, Oct. 22, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 28	Apr. 1	597
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 19	Feb. 19	797
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 17	Feb. 4	1,587
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	†Dec. 27	Jan. 10	1,550
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Jan. 10	†Dec. 27	962
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Nov. 24	†Nov. 9	1,578
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 11	Jan. 12	1,303
133	8. HENRY, O. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 3	Feb. 9	1,625
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 15	Mar. 15	998
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 8	Jan. 14	1,227
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Feb. 11	Feb. 15	938
380	12. PIERCE, P. P., Machine Elements	Jan. 6	Jan. 14	1,268
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 17	Jan. 20	1,287
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	†Dec. 20	Feb. 3	1,240
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 27	Jan. 31	1,467
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 14	Mar. 8	746
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Nov. 5	†Dec. 6	730
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Nov. 20	†Nov. 19	1,046
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 18	Mar. 18	899
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Feb. 23	Feb. 21	932
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 18	Jan. 20	997
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	†Dec. 31	Jan. 4	915
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 22	Jan. 25	819
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Dec. 1	†Nov. 26	1,086
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 20	Jan. 24	1,253
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 10	†Dec. 30	879
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 7	Mar. 4	874
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 2	Feb. 18	1,153
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 15	†Dec. 11	1,195
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 12	Feb. 15	1,065
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Jan. 14	Jan. 11	1,784
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 4	Feb. 8	1,042
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 12	Mar. 14	1,326
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	†Dec. 15	†Dec. 23	885
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 4	Mar. 22	959
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 12	Mar. 10	1,098
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Jan. 26	Jan. 24	1,418
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 1	Feb. 10	1,069
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 31	Mar. 8	719
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 13	Jan. 27	2,003
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	758
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 3	Jan. 4	1,495
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 24	Jan. 28	1,160
283	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 15	†Dec. 20	1,255
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 1	Mar. 8	952
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 18	Jan. 24	963
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 19	Jan. 21	1,489
213*	48. ROEPKE, O. B., Electricity, General Applications	Jan. 18	Jan. 21	1,000
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 3	Jan. 3	939
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 25	Feb. 25	1,504
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	†Nov. 20	†Dec. 1	1,377
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Feb. 16	Feb. 18	1,183
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 14	Feb. 24	1,179
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Oct. 30	†Oct. 22	1,884
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	†Dec. 20	Jan. 17	609
	Designs	May 19	May 18	584
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	May 20	June 4	1,777
	Labels and Prints	June 3	June 13	110

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

THE I. T. S. RUBBER COMPANY *v.* ESSEX RUBBER COMPANY.

Decided November 22, 1926.

1. INFRINGEMENT — ESTOPPEL — PRIOR SUIT BETWEEN COMPLAINANT AND CUSTOMER OF DEFENDANT.

Where in one circuit the I. T. S. Co. brought suit against W., a dealer in the E. Company's article of manufacture involved in the present suit, W. voluntarily allowed the suit to go by default, and the E. Co. refused to become a party to the suit or to assume any control over it, but only in the adjustment of the damages after a pro confesso decree had been entered the E. Co., however, having previously written W. that it would reimburse him for any losses he sustained by reason of the suit, *Held* that the E. Co. was not estopped from contesting the question of infringement in a suit brought against it later by the I. T. S. Co. in another circuit.

2. CLAIMS—CONSTRUCTION OF—LIMITING WORD OMITTED THROUGH CLERICAL ERROR—CLAIM CONSTRUED AS UNDERSTOOD BY COUNSEL FOR APPLICANT AND EXAMINER.

Where the omission of a limiting word from one of the claims was through a clerical error due to oversight, and both counsel for the applicant and the Examiner understood that it was contained in that claim as well as the others, the claim should be construed and have the same effect as if it had been included.

3. CLAIM NARROWED TO OBTAIN A PATENT CAN NOT BE BROADENED—ERROR OF EXAMINER.

Where an applicant for a patent to cover a new combination is compelled by the rejection of his application by the Patent Office to narrow his claim by the introduction of a new element, he can not after the issue of the patent broaden his claim by dropping the element which he was compelled to include in order to secure his patent. If dissatisfied with the rejection, he should pursue his remedy by appeal, and where in order to get his patent he accepts one with a narrower claim he is bound by it. Whether the Examiner was right or wrong in rejecting the original claim the court is not to inquire.

4. SAME—ALL RESTRICTIONS MUST BE REGARDED AS MATERIAL—LIMITATIONS LOOKED UPON AS DISCLAIMERS.

An applicant having limited his claim by amendment and accepted a patent brings himself within the rules that if the claim to a combination be restricted to specific elements all must be regarded as material and that limitations imposed by the inventor, especially such as were introduced into an application after it had been persistently rejected, must be strictly construed against the inventor and looked upon as disclaimers.

5. SAME—DOCTRINE OF EQUIVALENTS INAPPLICABLE.

Where an applicant whose claim is rejected on reference to a prior patent without objection or appeal voluntarily restricts himself by an amendment of his claim to a specific structure, having thus narrowed his claim in order to obtain a patent, he "may not by construction, or by resort of the doctrine of equivalents, give to the claim the larger scope which it might have had without the amendments which amount to a disclaimer."

ON WRIT of certiorari to the United States Circuit Court of Appeals for the First Circuit.

Mr. F. O. Richey and *Mr. Melville Church* for I. T. S. Rubber Company.

Mr. Lucius E. Varney for Essex Rubber Company.

Mr. Justice SANFORD delivered the opinion of the Court.

This is a suit in equity brought by the I. T. S. Rubber Company against the Essex Rubber Company in the Federal District Court for Massachusetts, for the infringement of United States Patent No. 14,049, on resilient heels, reissued to the I. T. S. Company January 11, 1916, as assignee, on an original patent to John G. Tufford, issued in 1914. After final hearing on the pleadings and proof[1] the bill was dismissed by the district court for want of infringement. This was affirmed by the circuit court of appeals, 1 F. (2d) 780. And there being a conflict of opinion with the Circuit Court of Appeals for the Sixth Circuit as to the scope of the patent, this writ of certiorari was granted.

The Essex Company, which manufactures and sells the heels alleged to infringe, expressly admitted the validity of the reissued patent. And the only questions are: first, whether it is estopped to deny infringement; second, if not, whether infringement is shown.

1. In the courts below the I. T. S. Company relied on estoppels by reason of adjudications in various prior suits brought by it in the sixth circuit against dealers in the Essex Company's heels. In the brief for the I. T. S. Company in this Court it is asserted, in general terms, that the action of the Essex Company "in suits brought against its jobbers in the sixth circuit estop it from denying infringement here," and that the circuit court of appeals erred in holding that it was not estopped by the decrees in such suits. The argument in the brief, however, specifies and deals with only one of such prior suits; and there being as to the others no semblance of compliance with the requirements of rule 25 of this Court,[2] we need consider only the suit specifically relied on.

That was a suit brought by the I. T. S. Company against one Wendt, a dealer in Essex heels of a type involved in the present suit, in which infringement of the patent was adjudged. The I. T. S. Company contends that the Essex Company, although not a party of record, took entire control of the defense, participated in the suit until the final decree, paid all the expenses, and is now estopped from denying infringement as therein adjudged.

The material facts found by the district court are: The Essex Company, after being notified by Wendt of the commencement of the suit, notified

[1] Various intermediate proceedings, on a preliminary motion to dismiss, appear in 270 Fed. 598 (D. C.), 276 Fed. 475 (C. C. A.), and 309 O. G., 447; 281 Fed. 5 (C. C. A.).

[2] This rule provides that the brief for the plaintiff in error, appellant or petitioner shall contain, inter alia, a "concise statement of the case, containing all that is material to the consideration of the questions presented, with appropriate page references to the printed record," cl. 2(d); a "specification of such of the assigned errors as are intended to be urged," cl. 2(e); and an "argument exhibiting clearly the points of fact and of law being presented," cl. 2(f). 266 U. S. 671.

the counsel of the I. T. S. Company that it did not wish to, and would not, appear. Wendt thereafter voluntarily allowed the suit to go by default, and an order was entered taking the bill pro confesso. This was followed by an interlocutory decree pro confesso adjudging the infringement of the patent and Wendt's liability for damages and profits, and ordering an accounting. Down to the entry of this decree the Essex Company exercised no control over the management and conduct of the suit. Thereafter the Essex Company, having previously written Wendt that it would reimburse him for any losses he sustained by reason of the suit, suggested that he and counsel whom it had employed procure an adjustment of the damages and profits. Wendt and the counsel for the Essex Company thereupon secured an agreement to settle the case by Wendt's payment of $1,000. This was embodied in a stipulation signed by the I. T. S. Company's counsel and by the Essex Company's counsel as counsel for Wendt, and filed in the case. This stipulation, with the interlocutory decree, was thereafter made the basis of a final decree, readjudging the infringement, reciting the settlement, and adjudging that the I. T. S. Company recover of Wendt $1,000 and the costs of the suit. Wendt paid this judgment and was reimbursed by the Essex Company. The district court further found specifically that, under the circumstances, the Essex Company did not control the suit; and held that, even though the I. T. S. Company understood that the counsel negotiating the settlement represented the Essex Company as well as Wendt in adjusting the damages, it was not estopped from contesting the question of infringement raised in the present case.

[1] On the appeal the circuit court of appeals stated that the record showed clearly that the Essex Company refused to become a party to the suit or assume any control over it, and took no part in the conduct or control of the suit, "but only in the adjustment of the damages" after the pro confesso decree had been entered; and approved both the findings and rulings of the district court.

There is nothing which, under the well-settled rule, *Del Pozo* v. *Wilson Cypress Co.*, 269 U. S. 82, 89, justifies us in disturbing the concurrent findings of fact of the two courts below; and we concur in their ruling that on the facts thus found the Essex Company is not estopped from contesting the question of infringement.

2. The question of infringement as here presented turns upon matters of law arising out of a file-wrapper defense interposed by the Essex Company, which insists that the reissued patent, although valid, was so limited in scope by the proceedings in the Patent Office that the Essex heels do not infringe.

The patent covers the part of a shoe commonly called a rubber heel, or cushion heel lift.[2] This is usually made of rubber, and is attached to the under side of the leather heel so as to furnish a yielding, resilient heel, giving softness to the tread and quietness in walking. These heels, which are in common use, are of two types, the flat and the concavo-convex, both of which were old when Tufford made his invention. The flat heel, which is the older, is cemented to the leather and then fastened on by nails or screws. The driving in of the nails or screws, however, has a tendency to cause the rubber to spring away from the leather around the edges and produce an open seam. In the concavo-convex type the body of the rubber heel is curved downwards. It is attached to the leather heel, without any cement, by placing its upper concave side under the leather, pressing it upward flatly and then nailing or screwing it on tightly. This, through the tendency of the rubber to resume its original curved form, tends to keep it tightly pressed upwards against the leather and overcome the tendency of the flat heels to separate from the leather at the edges. This characteristic of the concavo-convex heels, often called "the tight-edge effect," was referred to as early as 1889 in Ferguson's patent No. 638,228.

The Tufford heel is of the concavo-convex type. We insert here reproductions of Figure 2 of the drawings of the reissued patent, which is described as "a front to rear sectional view through the lift in position disposed against the under side of a shoe heel and immediately prior to application thereto," and shows one-half of the lift on a median section; and of Figure 4, which is described as "a perspective view looking at the upper side of the lift removed."



The reissued patent contains 10 claims. The first four, which repeat the claims of the original patent, relate merely to the form and position of the washers in a cushion heel lift, and to grooves, channels and suction areas in its concave surface. They are not here involved. The others are additional claims relating to shape defining improvements. The bill charges infringement of the new claims 5 to 9, inclusive. Claim 5 reads:

> A heel lift of substantially non-metallic resilient material having its body portion of concavo-convex form on every line of cross section, *the concave upper face lying entirely below a plane passing through the rear upper edge and the breast*[4] *corners of the lift.*

The last clause in this claim, which we have italicised—about which the present controversy turns—is contained in all the other claims in suit in identical or precisely equivalent words, except that in claim 8 the word "rear" does not appear before the words "upper edge."[5] For immediate purposes we treat claim 5 as typical of all claims in suit, passing for the moment the consideration of the question whether there is any essential distinction in respect to claim 8.

[2] The under layers of shoe heels were called "lifts" by the cobblers.

[4] The "breast" is the front face of the heel.

[5] All these claims are set forth in full in the opinion of the circuit court of appeals, at p. 781.

The Essex Company contends: (1) That by the proceedings in the Patent Office these claims were limited to the form of concavo-convex heel lift in which the concave upper face lies entirely below a plane passing through the rear upper edge and breast corners, that is, one in which, owing to the curvature of the upper face, only its rear edge and breast corners lie in the same horizontal plane, and its side and breast edges, as well as all other portions of its surface, lie below the plane passing through and defined by these three points—this being referred to as the "three-point-contact" form, since when the lift is brought in contact with the leather heel, before being flattened, only the rear edge and two breast corners will touch the leather. (2) That the claims, thus limited, are not infringed by the Essex heels, as their upper side edges, having no vertical curve, lie in and not below the plane passing through the rear edge and breast corners.

The file wrapper shows that on the application for the reissued patent it contained as first presented no reference to the position of the upper rear edge and breast edges of the lift in relation to the other portions of its upper surface. Several new claims were submitted some of which, as least,[6] described a lift having its attaching face concave on every line of cross section. These were rejected by the Examiner on reference to Nerger's patent No. 661,129. Another set of claims was then substituted describing a heel lift of resilient material comprising a body portion of concavo-convex form on every line of cross section and normally held in such form by its own inherent resiliency. These were also rejected by the examiner on reference to Nerger.

After an interview with the Examiner in which the applicant exhibited samples of his own lift and the Nerger lift, he then amended the specification by inserting the statement:

> By reference to Figs. 2 and 4 of the drawings, *it will be seen that the concave upper face of the lift lies entirely below a plane tangent to the rear upper edge and the breast corners of the lift*, whereby to cause the entire margin of said lift to exert a uniform pressure on the heel of a shoe when the lift is positioned on the heel and the convex face thereof depressed to flatten said lift.

He also substituted another set of claims, 5 to 9, inclusive. Claim 5—which was typical of all the others unless claim 8 was differentiated by the fact that the word "rear" did not appear before the words "upper edge"—read:

> A heel lift of substantially non-metallic resilient material having its body portion of concavo-convex form on every line of cross section, *the concave upper face lying entirely below a plane tangent to the rear upper edge and the breast corners of the lift.*

In presenting these amendments counsel for the applicant urged that Nerger's lift was not concavo-convex on every line of cross section since the deepest portion of the concavity in its upper surface was at the breast; and that its concave upper surface did not lie entirely below a plane tangent to the rear edge and breast corners. In replying, the Examiner, after calling attention to the fact that on the application for the original patent the applicant had presented claims for a lift in which all the edges of the attaching face occupied the same plane—which were rejected—stated that Figure 2 of the drawings indicated the same construction and did not show a lift whose concave upper face lay entirely below a plane tangent to the rear upper edge and breast corners, as set forth in the amendment to the specification, since a point midway between the breast corners was in contact with the upper heel, and "a plane tangent to the rear edge and the breast corners would also pass through the entire front [breast] edge"; that the applicant's sample lift did "not correspond to the drawing, since all the points of its breast except the two corner points lie below a straight line passing through these points"; that in "each of the claims 5, 6, 7, 8 and 9 the applicant specifies that the concave upper face lies entirely below a plane tangent to the rear upper edge and the breast corners"; and that these claims do "not read on the drawing, and are therefore rejected."

To meet this rejection the applicant further amended the specification by substituting for the prior amendment the statement:

> By references to Figs. 2 and 4 of the drawings, it will be seen that the concave upper face of the lift lies entirely below a plane passing through the rear upper edge and breast corners of the lift. * * * *In other words, owing to the curvature of the concave attaching face of the lift, the rear upper edge and breast corners of said concave attaching face are disposed in a plane above the upper side edges and the breast edges of the lift.*

He also amended each of the claims by substituting the words "passing through" for "tangent to"—corresponding to the change that had been made in the specification—and added claim 10, reading:

> A heel lift of substantially resilient material comprising a body portion, the attaching face of which is concave and the tread face convex on every line of cross section, the rear upper edge and breast corners of the concave attaching face of the lift being disposed in a plane above the upper side and breast edges of said concave attaching face.

In presenting these amendments counsel for the applicant stated that the matter quoted by the Examiner from the file wrapper of the original patent merely showed, if anything, that error had crept into the prosecution of the original application, which should be corrected; that as Figure 4 of the drawings showed—

> that the breast lift was cut away on a curved line, the attaching face of the lift at the breast thereof must necessarily lie in a plane below the breast corners and the rear edge of said lift or, in other words, the rear upper edge and breast corners of the concave attaching face are disposed in a plane above the upper side and breast edges thereof;

that the showing in Figure 2 was therefore obviously erroneous, and, although claim 10 read upon it without any correction, it did not clearly illustrate the applicant's invention; and that permission was requested to correct the drawing. This was granted, and Figure 2 was changed to the form which we have reproduced in this opinion, showing that the upper side and breast edges lie below a plane passing through the rear edge and breast

[6] The file wrapper does not set forth all of these claims.

corners. The new claims were then allowed, and the patent was reissued.

It thus appears that the applicant acquiesced in the successive rejections by the Examiner on reference to Nerger of claims for a lift having its attaching face concave on every line of cross section and for a lift of resilient material of a concavo-convex form on every line of cross section, and that to meet this reference he amended the specification so as to state not only that the concave upper surface lies entirely below a plane passing through the rear upper edge and breast corners, but that "in other words," owing to the curvature of the concave attaching face the rear upper edge and breast corners are disposed in a plane above the upper side and breast edges; amended the claims to describe a lift whose concave upper surface lies entirely below a plane passing through the rear upper edge and breast corners; and finally changed his drawing so as to correspond precisely with these amendments—and that then, and not until then, were the claims allowed.

We think that by this proceeding the claims were limited to the specific form of a "three-point-contact" lift, that is, to one in which, owing to the vertical curve of the upper side and breast edges, these edges, as well as all other portions of the upper surface, lie below the plane passing through and defined by the rear upper edge and breast corners. We cannot agree with the opinion of the Circuit Court of Appeals for the Sixth Circuit in *United States Rubber Co.* v. *I. T. S. Rubber Co.*, 260 Fed. 947, 948, that claim 10, which contains the limiting clause "the concave attaching face of the lift being disposed in a plane above the upper side and breast edges," is the only one which is limited to the three-point-contact lift. It is true that if the limiting clause in claims 5 to 9, "the concave upper face lying entirely below a plane passing through the rear upper edge and breast corners," stood alone, there might be some question as to whether the side and breast edges were to be considered as a part of the upper face. However, the meaning of this clause was made entirely clear by the last amendment to the specification, adding to the previous statement that the concave upper face lies entirely below a plane passing through the rear upper edge and breast corners, that, "in other words," the rear upper edge and breast corners are disposed in a plane above the upper side and breast edges. We are unable to agree with the view that the phrase "in other words" was here used to connect alternative thoughts which were not identical, and think that they were used in their ordinary sense to introduce a specific element of the identical matter previously described, precisely defining a lift whose upper surface lies below a plane passing through the rear edge and breast corners as one whose upper side and breast edges lie below this plane—this being emphasized by the statement made by counsel for the applicant and the corresponding change which was made in the drawing. The limiting clause in claims 5 to 9 must therefore be read in the sense in which it is thus defined by the specification, that is, as referring to a three-point-contact lift whose side and breast edges, as well as all other points in its upper surface, lie below the plane passing through the rear edge and breast corners.

There is no ground for differentiating claims 5 to 9 from claim 10 in this respect in order to give effect to claim 10. The Circuit Court of Appeals for the Sixth Circuit expressly declined to rest its conclusion on this ground (p. 948). And as to this it suffices to say, that, as was pointed out by the district judge, claims 5 to 9 are sufficiently differentiated in other respects by the presence of subsidiary elements relating to the character of the material, nail openings, etc., that do not appear in claim 10.

We find, further, no significance in the substitution of the words "passing through" for "tangent to" in the specification and claims. These phrases were used interchangeably by the Examiner. The applicant pointed out no distinction in their meaning, and, so far as appears, merely adopted "passing through" as the preferred form of equivalent expressions. And they have no difference in meaning as used in the specification and claims; the one phrase as well as the other aptly defining the plane passing through the upper rear edge and breast corners.

[2] We also find that the fact that the word "rear" does not appear before the words "upper edge" in claim 8 is not a ground upon which it may be differentiated from the others. It appears that this omission was inadvertent and unnoticed. The applicant called no attention to the omission and did not differentiate this claim from the others in his effort to avoid the reference to Nerger's patent. The Examiner stated that "each of the claims 5, 6, 7, 8, and 9" specified a plane tangent to "the rear upper edge and the breast corners." And we can not believe that if the applicant's counsel intended to differentiate this claim from the others by the omission of the word "rear," he would have failed to disclose the distinction which he had in mind and permitted the Examiner to pass upon the claim under a misapprehension as to its language. It was also stated by the district judge that at the preliminary hearing on the motion to dismiss, the I. T. S. Company recognized that this clause in claim 8 read the same as in the other claims; that this had apparently been its position before other courts where these claims had been considered;[7] and that it did not change its position in this respect until after the circuit court of appeals on the hearing in that court on the motion to dismiss had called attention to the omission of the word "rear." We concur in the finding of the district judge that the omission of the word "rear" was through a clerical error due to oversight, and that both the counsel for the applicant and the Examiner understood that it was contained in claim 8 as well as the others; and we are of opinion that the claim should be construed and have the same effect as if it had been included. This is not in any real sense, a remaking of the claim; but is merely giving to it the meaning which was intended by the applicant and understood by the Examiner.

[7] Thus in the U. S. Rubber Co. case the Circuit Court of Appeals for the Sixth Circuit stated that "each of the claims 5 to 9, inclusive," contain the limiting clause referring to "a plane passing through the rear upper edge and breast corners."

Furthermore, if by the omission of the word "rear" this claim should otherwise be regarded as calling for a lift whose upper face lies entirely below a plane passing through the entire "upper edge" and the breast corners, thereby making it a claim for a lift having all its upper edges in the same plane, such a construction would not only conflict with the express disclaimer of counsel for the applicant, but, as held by the circuit court of appeals, render the claim invalid as being for a different invention from that described in the specification and drawings of the original patent. *Mahn* v. *Harwood*, 112 U. S. 354, 359, 30 O. G. 657; *Parker & Whipple Co.* v. *Yale Lock Co.*, 41 O. G. 811, 123 U. S. 87, 97. And, so construed, it would not read on the specification and drawings of the reissued patent.

Having thus reached the conclusion that all of the claims in suit are limited to the three-point-contact form of lift, it is unnecessary to determine here whether in calling for a lift of concavo-convex form on every line of cross section, any of them are also limited to a "saucer-shaped," as distinguished from a "scoop-shaped," lift, that is, to one having in its upper surface a low spot centrally disposed which is below the lowest point in the breast edge, as has been held by the Circuit Court of Appeals for the Sixth and Seventh Circuits.[8]

[3, 4, 5] It is well settled that where an applicant for a patent to cover a new combination is compelled by the rejection of his application by the Patent Office to narrow his claim by the introduction of a new element, he can not after the issue of the patent broaden his claim by dropping the element which he was compelled to include in order to secure his patent. *Shepard* v. *Carrigan*, 34 O. G. 1157, 116 U. S. 593, 597. If dissatisfied with the rejection he should pursue his remedy by appeal; and where, in order to get his patent, he accepts one with a narrower claim, he is bound by it. *Shepard* v. *Carrigan*, supra, 597; *Hubbell* v. *United States*, 93 O. G. 1124, 179 U. S. 77, 83. Whether the Examiner was right or wrong in rejecting the original claim, the Court is not to inquire. *Hubbell* v. *United States*, supra, 83. The applicant having limited his claim by amendment and accepted a patent, brings himself within the rules that if the claim to a combination be restricted to specified elements, all must be regarded as material, and that limitations imposed by the inventor, especially such as were introduced into an application after it had been persistently rejected, must be strictly construed against the inventor and looked upon as disclaimers. *Sargent* v. *Hall Safe & Lock Co.*, 31 O. G. 661, 114 U. S. 63, 86; *Shepard* v. *Carrigan*, supra, 598; *Hubbell* v. *United States*, supra, 85. The patentee is thereafter estopped to claim the benefit of his rejected claim or such a construction of his amended claim as would be equivalent thereto. *Morgan Envelope Co.* v. *Albany Paper Co.*, 67 O. G. 271, 152 U. S. 425, 429. So where an applicant whose claim is rejected on reference to a prior patent, without objection or appeal, voluntarily restricts himself by an amendment of his claim to a specific structure, having thus narrowed his claim in order to obtain a patent, he "may not by construction, or by resort to the doctrine of equivalents, give to the claim the larger scope which it might have had without the amendments which amount to a disclaimer." *Weber Elec. Co.* v. *Freeman Elec. Co.*, 288 O. G. 631, 256 U. S. 668, 677.

It results that as the claims in suit were limited by the proceedings in the Patent Office to the specific form of a three-point-contact lift, they are not infringed by the heels made by the Essex Company, which are not three-point-contact lifts, their upper side edges having no vertical curve and lying entirely in the same horizontal plane as the rear edge and breast corners. Nor can they be held to be infringements even if we assume that, as asserted, they function in the same manner as three-point-contact lifts, and would infringe, as was conceded in the district court, if the claims were not restricted by the limiting clause and were entitled to a construction warranting a wide range of equivalents. By the limitation of the claims in the Patent Office proceeding to the three-point-contact lift the patentee made this precise form a material element, and having thus narrowed the claims, can not, as was said in the Weber Electric Company case, now enlarge their scope by a resort to the doctrine of equivalents. This would render nugatory the specific limitation.

The decree is accordingly affirmed.

[8] *Fetzer & Spies Leather Co.* v. *I. T. S. Rubber Co.*, 271 O. G. 157, 260 Fed. 939; *United States Rubber Co.* v. *I. T. S. Rubber Co.*, supra, 950; *Tee Pee Rubber Co.* v. *I. T. S. Rubber Co.*, 268 Fed. 250; *Hill Rubber Heel Co.* v. *I. T. S. Rubber Co.*, 269 Fed. 270; and *I. T. S. Rubber Co.* v. *Tee Pee Rubber Co.*, 288 Fed. 794, in the sixth circuit; and *United States Rubber Co.* v. *I. T. S. Rubber Co.*, 288 Fed. 786, in the seventh circuit.

Court of Appeals of the District of Columbia.

IN RE CLARK.

No. 1,891. Decided February 7, 1927.

PATENTABILITY—CLAIMS—NEW COMBINATION PATENTABLE.

Where applicant's claims 11 to 19 included a rubber paving block of uniform thickness having on its lower surface projections arranged in spaced relation both lengthwise and crosswise of the surface, and in the patents to A. and F. the blocks do not have uniform thickness while in the patents to A. and D. the projections are spaced in one direction only, *Held* that applicant in combining a block of uniform thickness with projections which interlock with a base and prevent creeping in both directions is entitled to protection and the claims are patentable.

APPEAL from the Patent Office. Affirmed in part.

Mr. E. C. Seward for Clark.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

Appellant Clark appeals from the decision of the Commissioner of Patents denying the patentability of claims 11 to 28 for an invention relating to paving or flooring composed of rubber. Claims 11 and 20 illustrate the invention in issue, and read as follows:

11. A paving or flooring element composed of rubber having a continuous upper surface and projections on its lower surface for engagement with a support, said projections being arranged in spaced relation both lengthwise and crosswise of the lower surface of the element.

20. In combination with a relatively hard support, a paving or flooring element composed of rubber having a continuous upper surface and projections on its lower surface for engagement with said support, said projections being arranged in spaced relation both lengthwise and crosswise of the lower surface of the element.

The claims in issue call for a paving block with a continuous upper surface of rubber, disclosed to be of equal and uniform thickness, and projections on its lower surface which interlock the rubber with the base, separate from each other, both longitudinally and transversely of the block, so as to form lugs or studs. The support to which the rubber surface is attached may consist of an iron base which in turn is embedded in, or rests upon, a plastic concrete layer. Or the rubber surface may be embedded directly upon a concrete layer, excluding the necessity of the iron support element.

It was held by the Board of Examiners in Chief that appellant in his specification did not show a structure which would dispense with the iron base, and that he could not, therefore, make claims 11 to 19 inclusive, dispensing with the iron base, for want of support in his original disclosure. This ruling of the Examiners in Chief was properly reversed by the Commissioner, holding:

The block is an element of the combination, and I see no reason for objecting to a claim which is broad enough to include such rubber block, whether it is connected to an iron base or not. Obviously, the block has its utility independently of the iron support, and it is immaterial that appellant did not state this fact in his original specification.

On this conclusion the Commissioner held that all claims of the type embodied in the first group, 11 to 19 inclusive, are sufficient to warrant the allowance if they are otherwise patentable. He then proceeded to deny the patentability of all the claims in issue, in view of the prior art.

The prior art does not disclose a block consisting of a rubber surface of uniform thickness, except in the Dessau patent [No. 1,233,200]. The references to the patents to Farmer [No. 788,458], Dessau and Anderson [No. 1,280,363], all disclose a block supported on an iron base. In Anderson the rubber block is attached to the iron support by ribs and interlocking grooves in the iron, thus destroying the uniformity of thickness of the rubber, and with nothing to prevent the creeping of the tread along the uniform direction of the ribs and grooves. Appellant's device consists of a block of uniform thickness so adjusted to the support as to prevent the tread against movement in any direction with respect to the supporting element.

Dessau discloses a block of uniform thickness with parallel ribs extending underneath and across the block to be embedded in the iron support, but like the Anderson device, these ribs are separated from each other only in one direction, with nothing to prevent the creeping of the tread along the direction of the ribs.

In the Farmer patent there is disclosed an interlocking tread consisting of projections from the metal support extending up into the rubber block, thereby destroying the uniform thickness of the block, which is one of the chief elements of utility in appellant's device.

We are of opinion that appellant in combining a block of uniform thickness with an interlocking means of attachment to the base, which will prevent the creeping of the tread in any direction, and which so provides the disposition of the points of contact between the rubber element and its support as to clearly increase its utility, strength, and endurance over anything disclosed in the prior art, is entitled to protection.

It appears, however, that claims 20 to 28 were presented for the purpose of avoiding the effect of the Examiner's rejection of claims 11 to 19, and they differ from claims 11 to 19 only in that they specify the "combination with a relatively hard support." Inasmuch as the holding of the Commissioner, which we have approved, that claims 11 to 19 may be read to this extent on appellant's original disclosure, we think that claims 20 to 28 inclusive may be eliminated.

The decision of the Commissioner rejecting claims 11 to 19 inclusive is reversed; and his decision rejecting claims 20 to 28 inclusive is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

65,019, G. B. Simpson, Insulating submarine cables, filed May 4, 1927, C. of C., D. of C., Doc. H-188, *A. E. Colgate* v. *The United States.*

959,879, W. S. Parker, Railway ticket, filed May 7, 1927, D. C. Iowa (Keokuk), Doc. E 4056, *W. S. Parker Co.* v. *Atchison, Topeka & Santa Fe Rwy. Co.*

959,992, Burkholder & Burkholder, Mechanical movements, filed May 6, 1927, D. C., N. D. N. Y., Doc. 1036, *M. T. Simmons* v. *Syracuse Washing Machine Corp.*

1,000,293, G. H. Robinson, Packing for piston rods or the like, filed May 4, 1927, D. C., W. D. N. Y., Doc. 1093-F, *C. A. Beldam* v. *The Garlock Packing Co.*

1,003,155, M. Simon, Garment, filed Apr. 25, 1927, D. C., N. D. N. Y., Doc. 1032, *M. Simon* v. *Clinton Knitting Co., Inc.*

1,045,763, F. O. Whiting, Crusher, filed Apr. 5, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7015, *The Jeffrey Mfg. Co.* v. *The Link Belt Co.*

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engine, 7th Cir., Doc. 3794, *Semaphoric Indicator Co. et al.* v. *H. H. Boyce et al.* Decree affirmed Apr. 12, 1927.

1,126,397, A. A. Brown, Trousers, filed Apr. 28, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7067, *Brown Method Co., Inc.*, v. *Maier-Lavaty Co.*

1,173,079, E. F. W. Alexanderson, Selective tuning system, filed Apr. 25, 1927, D. C. N. J., Doc. E 1669, *Radio Corp. of America et al.* v. *Splitdorf Electrical Co.* Decree for injunction only after trial, Apr. 25, 1927.

1,182,290, 1,266,517, G. S. Meikle, Rectifier and method of operating same; 1,208,597, G. M. Mackay, Enclosed arc device and method of operating same; 1,393,520, E. Friederich, Enclosed arc device and method of starting, filed Apr. 22, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2210, *General Electric Co.* v. *Electrical Parts Co., Inc., et al.*

1,208,597. (See 1,182,290.)

1,266,517. (See 1,182,290.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, filed Mar. 21, 1925, D. C., S. D. N. Y., Doc. E 31/306-307, *The Bassick Mfg. Co.* v. *W. E. Pruden Hardware Co. et al.* Decree sustaining patents and granting injunction Apr. 26, 1927.

1,307,734. (See 1,307,733.)

1,332,685, M. P. Reynolds, Method of and apparatus for screening materials, filed Apr. 27, 1927, D. C., W. D. N. Y., Doc. 1088-F, *The W. S. Tyler Co.* v. *Niagara Concrete Mixer Co., Inc.*

1,393,520. (See 1,182,290.)

1,404,539, C. K. Nelson, Confection, filed May 6, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2212, *Eskimo Pie Corp.* v. *W. R. Lyons.*

1,422,141, 1,566,348, S. W. Shuford, Weighing mechanism, filed Apr. 20, 1927, D. C. Ind. (Indianapolis), Doc. 1039, *S. W. Shuford* v. *Peerless Weighing Machine Co.*

1,423,822, L. L. Winters, Motor-meter lock, filed Apr. 29, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7068, *L. L. Winters* v. *O. C. Ritzwoller.*

1,431,907, S. S. Cramer, Pneumatic power generator, 7th Cir., Doc. 3743, *S. S. Cramer et al.* v. *Motor Player Corp.* Decree affirmed Apr. 13, 1927.

1,449,401, F. H. Headley, Adjustable back rest, filed May 2, 1927, D. C., N. D. Ala. (Birmingham), Doc. 585, *W. S. Ferris* v. *Zac Smith Stationery Co.*

1,450,080, L. A. Hazeltine, Method and electric-circuit arrangement for neutralizing capacity coupling, filed Apr. 30, 1927, D. C., S. D. N. Y., Doc. E 41/253, *Hazeltine Corp. et al.* v. *Electric Service Engineering Corp.*

1,451,491, S. H. Calkins, Pattern and guide strip, filed May 4, 1927, D. C., S. D. N. Y., Doc. E 41/269, *The Traitel Marble Co.* v. *Manhattan Terrazzo Brass Strip Co., Inc.*

1,481,006, L. Hammond, Process of and apparatus for stereoscopic shadowgraphs, filed Apr. 21, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7052, *J. G. Bostock* v. *L. Skirpser et al.*

1,502,559, P. J. Giblin, Footwear, appeal filed Mar. 8, 1926, 7th Cir., Doc. 3736, *P. J. Giblin et al.* v. *Berlin Tanning & Mfg. Co.* Decree affirmed April 20, 1927.

1,513,615, H. T. Leo, Dry-powder jelly base containing pectin, filed Apr. 30, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7074, *Speas Mfg. Co.* v. *G. E. Smith et al.*

1,519,934, C. T. Ross, Poster, filed Aug. 6, 1925, D. C., S. D. N. Y., Doc. E 33/29, *C. T. Ross* v. *J. Rauch, Inc.* Consent decree sustaining patents and granting injunction May 5, 1927.

1,566,348. (See 1,422,141.)

1,570,298, A. H. Fisher, Method and means for repairing tire casings, filed May 2, 1927, D. C. Minn. (Duluth), Doc. E 242, *Kex Co., Inc.*, v. *E. Hanike.*

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, filed May 6, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2213, *P. H. Stevens* v. *The J. L. Shunk Rubber Co.*

1,610,301, W. J. McCloskey, Torch, filed Jan. 4, 1927, D. C., N. D. Ohio (W. Div.), Doc. E 714, *W. J. McCloskey* v. *The Toledo Pressed Steel Co.* Patent held invalid, bill dismissed (notice dated May 6, 1927).

1,613,055, G. I. Ray, Composition for stopping leaks in hot-water circulating systems, filed Apr. 23, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7053, *G. I. Ray et al.* v. *H. H. Lichtenstein et al.*

1,616,688, R. K. Gershenow, Bloomers, filed Apr. 4, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7014, *R. K. Gershenow* v. *Lawndale Garment Co.*

Re. 13,436, F. G. Perkins, Glue and method of making same, filed May 2, 1927, D. C., W. D. N. Y., Doc. E 1092-F, *Perkins Glue Co.* v. *T. McCabe Industries, Inc., et al.*

Re. 15,482, R. J. Soutullo, Bottle refrigerator, filed Mar. 26, 1926, D. C., N. D. Okla. (Tulsa), Doc. E 139, *The Liquid Carbonic Co. et al.* v. *Paige Bottle Icer Co. et al.* Decree for plaintiff, May 3, 1927.

Re. 15,615, E. G. Carr, Subgrade scraper, appeal filed Jan. 26, 1926, 7th Cir., Doc. 3677, *The Hug Co. et al.* v. *The Lakewood Engineering Co. et al.* Dismissed on motion of appellant Apr. 19, 1927.

Re. 15,824, S. H. Calkins, Pattern and guide strip, filed May 4, 1927, D. C., S. D. N. Y., Doc. E 41/268, *Traitel Marble Co.* v. *Manhattan Terrazzo Brass Strip Co., Inc.*

Des. 67,031, S. Haskell, Doll or similar article, filed June 10, 1925, D. C., S. D. N. Y., Doc E 32/214, *Mutual Novelty Corp.* v. *Fair Trading Co., Inc.* Consent decree sustaining patent and granting injunction May 4, 1927.

Des. 67,399, E. Drinkuth, Casket-handle socket, appeal filed Sept. 3, 1926, 7th Cir., Doc. 3819, *The Cincinnati Coffin Co.* v. *Standard Casket Hardware Co.* Decree affirmed Apr. 20, 1927.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,475,880, W. J. Rickets, Controlling and regulating system for dynamos, decided May 10, 1927, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 1,544,373, G. Claude, Method for the direct synthesis of ammonia, decided April 28, 1927, claims 12 and 14.

Pat. 1,550,858, R. J. Winsor, Scarifier, decided May 21, 1927, claims 1 and 2.

Pat. 1,561,469, A. B. Kendall, Exhaust-control mechanism for air-brake system, decided May 16, 1927, claims 9, 11, 12, 13, and 14.

Pat. 1,563,731, C. Ducas, Electrical apparatus and method of manufacturing same, decided May 20, 1927, claims 1, 4, 5, 8, and 9.

Pat. 1,571,216, L. D. Soubier, Method of and apparatus for forming glass tubing, decided May 16, 1927, claims 4, 7, 8, 9, 10, 11, 13, 14, 16, 17, and 18.

Pat. 1,588,501, F. G. Shelain, Knitting machine, decided June 10, 1927, claims 5, 7, 21, 26, and 31.

TRADE-MARKS CANCELED.

88,875. Certain named toilet preparations. Charles Hedden Incorporated, New York, N. Y. Registered October 29, 1912. Canceled June 9, 1927.

154,297. Hairdressing. J. W. Howard & Son, Louisville, Miss. Registered April 11, 1922. Canceled May 16, 1927.

170,837. Bread and doughnuts. August J. Becker, doing business as Becker's Bakery, Red Wing, Minn. Registered July 24, 1923. Canceled June 9, 1927.

178,042. Certain named articles of clothing. Henry Clair, Philadelphia, Pa. Registered January 1, 1924. Canceled June 8, 1927.

178,359. Shock absorbers. The Houdaille Company, Buffalo, N. Y. Registered January 8, 1924. Canceled June 9, 1927.

178,361. Shock absorbers. The Houdaille Company, New York, N. Y. Registered January 8, 1924. Canceled June 9, 1927.

183,299. Certain named canned foods. John Crampton & Co., Ltd., Manchester, England. Registered April 29, 1924. Canceled May 16, 1927.

185,587. Coffee. Donahoe's Inc., Pittsburgh, Pa. Registered June 17, 1924. Canceled June 9, 1927.

194,015. Shock absorbers. The Houdaille Company, Buffalo, N. Y. Registered January 13, 1925. Canceled June 9, 1927.

206,238. Thread. Britton Threads, Inc., Pawtucket, R. I. Registered November 24, 1925. Canceled June 9, 1927.

208,377. Swedish rye health bread. Oscar A. Larson, doing business as Seattle Crisp and Hardtack Co., Seattle, Wash. Registered January 26, 1926. Canceled June 9, 1927.

210,229. Certain named canned foods. American Stores Company, Philadelphia, Pa. Registered March 9, 1926. Canceled May 16, 1927.

212,316. Motor fuel. Shriver Oil Company, Baltimore, Md. Registered April 27, 1926. Canceled June 9, 1927.

218,728. Matches. Usines Allumettières Des Flandres, Société Anonyme, Brussels, Belgium. Registered October 5, 1926. Canceled June 9, 1927.

218,788. Matches. Usines Allumettières Des Flandres, Société Anonyme, Brussels, Belgium. Registered October 5, 1926. Canceled June 9, 1927.

220,545. Cakes, cookies, pies, and doughnuts. Harry Bruce Heise, doing business as Heise's Cake Bakery, Los Angeles, Calif. Registered November 9, 1926. Canceled June 9, 1927.

Disclaimers.

DES. 71,347.—*Edward A. Zeh*, Passaic, N. J. A DISPLAY GLOBE. Patent dated October 26, 1926. Disclaimer filed June 11, 1927, by the patentee.

Hereby enters the following disclaimer, namely:

That he disclaims from the scope of the claim in U. S. Design Patent No. 71,347 of October 26, 1926, the design appearing upon the face of the globe illustrated in said patent, and consisting of a broken circle across the middle of which are two horizontal bars, and stipulates that said bar and circle design constitutes no portion whatever of said patented design, having been used merely for illustrative purposes to show the manner in which any such trade-mark design might be shown on globes of this kind.

1,589,274.—*George H. Wadsworth*, Akron, Ohio. TIRE-SPREADING DEVICE. Patent dated June 15, 1926. Disclaimer filed June 14, 1927, by the patentee.

Therefore enters this disclaimer to that part of the claims in said specification, which is in the following words and numerals, to wit:

"1. A tire spreading tool comprising in combination, a shaft having a right hand threaded portion and a left hand threaded portion, a jaw associated with each threaded portion, said jaws being adapted to engage the inside walls of a tire, and means adjacent one end of the shaft for rotating it and for effecting relative motion of said jaws along said shaft.

"2. A tire spreading tool comprising in combination, a threaded shaft having right and left hand threaded portions, a jaw associated with each threaded portion, and a crank for rotating the shaft.

"3. In combination, a shaft having a right hand threaded portion and a left hand threaded portion, a jaw associated with each threaded portion, a guide bar extending parallel to the axis of the shaft and being slidably engaged by each of said jaws when the shaft is rotated, but allowing movement of the jaws in a direction axially of the shaft, and means for rotating said shaft.

"4. A tire spreading tool comprising in combination spaced bearing blocks, a threaded shaft journaled in said blocks and extending therebetween, a guide member also extending between said blocks and parallel to the axis of the shaft, a jaw in threaded engagement with each threaded portion of said shaft, each jaw having a portion thereof slidably engaging said member, and a crank operatively associated with said shaft and mounted for turning movement outside one of said blocks."

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 28, 1927.

[VOL. 359. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 204,496. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) A. M. BYERS COMPANY, Pittsburgh, Pa. Filed Oct. 28, 1924.



Trade-mark consists of a stripe of uniform width arbitrarily disposed spirally on the metal pipe, no claim being made to the representation of the metal pipe.

Particular description of goods.—Metal Pipe.

Claims use since Oct. 4, 1924.

Ser. No. 206,113. (CLASS 38. PRINTS AND PUBLICATIONS.) DICTAPHONE SALES CORPORATION, New York, N. Y. Filed Dec. 2, 1924.

The Mouthpiece

Particular description of goods.—Publications Issued from Time to Time.

Claims use since February, 1912.

Ser. No. 208,495. (CLASS 39. CLOTHING.) TRUITT BROTHERS INCORPORATED, Binghamton, N. Y. Filed Jan. 22, 1925.

DICKORY DOCK

Particular description of goods.—Children's High and Low Shoes Constructed of Leather, Fabric, and Combinations of Leather and Fabric.

Claims use since July 1, 1924.

Ser. No. 210,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM B. FINK, Washington, D. C. Filed Feb. 27, 1925.



No claim is made to the words "Real Health Bread" apart from the other features of the trade-mark. The shading on the drawing does not denote color.

Particular description of goods.—Bread.

Claims use since July 1, 1924.

Ser. No. 212,832. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SCOTT AND FETZER COMPANY, Cleveland, Ohio. Filed Apr. 16, 1925.

VOLUMAX

Particular description of goods.—Aerials for Radio Receiving Sets.

Claims use since Mar. 6, 1925.

Ser. No. 213,891. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed May 6, 1925.

TRIM-TEX

Particular description of goods.—Oiled Cloth Having a Leather-Simulating Finish, Not Used Upon Carriage Cloth and Auto Top Coverings.
Claims use since Nov. 1, 1924.

Ser. No. 213,892. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed May 6, 1925.

LEATHER-TEX

Particular description of goods.—Oiled Cloth Having a Leather-Simulating Finish, Not Used Upon Carriage Cloth and Auto Top Coverings.
Claims use since Nov. 1, 1924.

Ser. No. 220,721. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KARLSRUHER PARFUMERIE- UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Karlsruhe, Germany. Filed Sept. 24, 1925.



No claim is made in this application to the exclusive right to the use of the words "F. Wolff & Sohn, Karlsruhe Baden" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Toilet Powder, Hair Tonic, Shampoo, Hair Oil, Face Cream, Brilliantine, and Bath Salts.
Claims use since November, 1924.

Ser. No. 222,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Filed Oct. 24, 1925.

DELIGHT
OF SERENA

Particular description of goods. — Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1920.

Ser. No. 224,409. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ISBELL-PORTER CO., Newark, N. J. Filed Dec. 8, 1925.

I-P Co

Particular description of goods.—Street Governors, Gate Gas Valves, T's, and Bends for Gas-Manufacturing Plants.
Claims use since Oct. 1, 1924.

Ser. No. 225,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING CO., INC., New York, N. Y. Filed Jan. 4, 1926.



Particular description of goods.—Wheat Flour.
Claims use since 1907.

Ser. No. 227,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JENNIE PETERS, doing business as Sandwich Shop, Fort Worth, Tex. Filed Feb. 19, 1926.



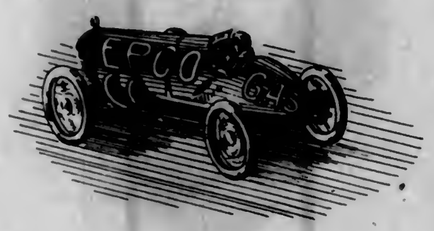
Particular description of goods.—Sandwiches Composed of Bread and Meat, Onions, and Dressings.
Claims use since Feb. 5, 1926.

Ser. No. 228,174. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK STOCKHAUSEN & CIE, Krefeld, Germany. Filed Mar. 5, 1926.

Novoncepol

Particular description of goods.—Dyes and Dyestuffs, Chemical Products for Making Dyeings and Colorings Fast to Rubbing, Mordants, Compositions for Waterproofing Dyes and Colors and Yarns and Fabrics, and Bleaching Compositions.
Claims use since Nov. 18, 1924.

Ser. No. 229,671. (CLASS 15. OILS AND GREASES.) CLARENCE W. EPLEY, doing business as C. W. Epley Independent Oil Company, Gettysburg, Pa. Filed Apr. 5, 1926.



No claim is made for the word "Gas" shown on the drawing.
Particular description of goods.—Gasoline, Engine, and Motor Oil, Gear Oil, and Grease.
Claims use since November, 1925.

Ser. No. 229,791. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE HENRY GEHRING COMPANY, Cleveland, Ohio. Filed Apr. 7, 1926.

AMERICAN CLUB

Particular description of goods.—Ginger Ale.
Claims use since Dec. 22, 1925.

Ser. No. 230,085. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CELASTIC CORPORATION, Wilmington, Del., and Arlington, N. J. Filed Apr. 13, 1926.

CELASTIC

Particular description of goods.—Partly-Prepared Product Consisting of Fabric Impregnated with a Stiffening Substance.
Claims use since 1919.

Ser. No. 230,130. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE SOUTHERN PLANT GROWERS' ASSOCIATION, doing business as Alexander County Nurseries, Empire Plant Company, and the Jefferson Farms, Albany, Ga. Filed Apr. 13, 1926.



The words "Absolute Protection" are disclaimed for registration purposes apart from the mark shown in the drawing.
Particular description of goods.—Plants for Transplanting—Namely, Cabbage Plants, Onion, Tomato, and Potato Plants.
Claims use since December, 1924.

Ser. No. 230,270. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AJAX HAND BRAKE COMPANY, Chicago, Ill. Filed Apr. 16, 1926.

AJAX

Particular description of goods.—Mechanism for Manual Operation of Railway-Car Brakes.
Claims use since Nov. 20, 1925.

Ser. No. 230,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. HICKS & SON, INC., New York, N. Y. Filed May 1, 1926.

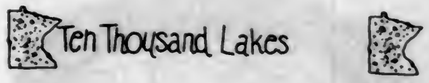


The representation of the fruit is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Canned Fruits, Dried Fruits, Candied Nuts, Crackers, Salted Nuts, Nuts in Their Natural State, and Fresh Fruits—Namely, Oranges, Grapefruit, Lemons, Apples, Bananas, Grapes, Plums, Pears, Strawberries, and Blackberries.

Claims use since Jan. 2, 1916.

Ser. No. 231,022. (CLASS 37. PAPER AND STATIONERY.) SWARTHWOOD-NELSON PAPER CO., Minneapolis, Minn. Filed May 1, 1926.



Particular description of goods.—Writing Paper.

Claims use since Oct. 1, 1924.

Ser. No. 231,526. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARSON PIRIE SCOTT & Co., Chicago, Ill. Filed May 13, 1926.



The exclusive use of the word "Towel" apart from the mark shown is disclaimed.

Particular description of goods.—Towels of Textile Fabrics.

Claims use since June, 1925.

Ser. No. 231,851. (CLASS 33. GLASSWARE.) THE FEDERAL GLASS COMPANY, Columbus, Ohio. Filed May 19, 1926.

JACK FROST

Particular description of goods.—Glass Tumblers, Glass Jugs, and Ice Tubs of Crackled or Crazed Surface Ornamentation—i. e., Glassware the Surface of Which is Covered with a Network of Fine Cracks and Grooves Produced by the Method of Introducing Glass in a Mold, Chilling the Glass in the Mold Sufficiently to Produce a Crackled Surface, and Shaping the Glass, the Chilling of the Glass to Produce Crackling Being Effected by the Time Shaping is Completed. This Crackling May be Produced by Other Methods of a Similar Nature.

Claims use as to glass tumblers since Feb. 15, 1926, and as to glass jugs and ice tubs since Feb. 17, 1926.

Ser. No. 232,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILBERT EMMETT CURME, doing business as U Chocolate Shoppe, Chicago, Ill. Filed May 26, 1926.

BAR-NONE

Particular description of goods.—Candy Bars.

Claims use since Feb. 1, 1926.

Ser. No. 232,944. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GERALD H. REIMERS, doing business as G & R Household Chemical Co., Manning, Iowa. Filed June 9, 1926.



Particular description of goods.—Dry Cleaner.

Claims use since June, 1924.

Ser. No. 233,100. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN-HARTOOG COMPANY, Wayne, Mich. Filed June 12, 1926.



The word "Brand" shown in the drawing is disclaimed apart from the other features of the mark.

Particular description of goods.—Mustard, Sweet Pickle Relish, Relish Salad Composed of Sweet Pickle Relish and Mayonnaise Dressing, Chutney Sauce; Maple Sirup, Pure and Blended; Honey, Catchup, Salad Dressings, Horse-Radish, Food-Flavoring Extracts, and Mincemeat.

Claims use since May 1, 1926.

Ser. No. 233,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAMMALA CORPORATION, New York, N. Y. Filed June 14, 1926.

MAMMALA

Particular description of goods.—Special Dry Milk for Babies, Invalids, Children, and People of All Ages.

Claims use since March, 1916.

Ser. No. 233,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. M. DEUTSCH, Manitou, Colo. Filed June 24, 1926.



No claim is made to the words "Original," "Bulgarian Bacillus Acidophilus Buttermilk," "Churned Fresh Every Day," and "Purity and Quality Guaranteed the Best" apart from the mark as shown.

Particular description of goods.—Bulgarian Buttermilk.

Claims use since June 1, 1926.

Ser. No. 234,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUNDEE LINEN SHOP, Newark, N. J. Filed July 14, 1926.



The words "Dundee Linen Shop" are disclaimed apart from the mark shown.

Particular description of goods.—Linen-Damask Tablecloths and Napkins, Linen Towels, Turkish Towels, Linen Sheets and Pillowcases, Handkerchiefs, Embroidered and Lace-Trimmed Tablecloths, Furniture Scarfs, and Bed Linens.

Claims use since June 1, 1926.

Ser. No. 235,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRECO CANNING COMPANY, INC., San Jose, Calif. Filed July 27, 1926.

VOGUE

Particular description of goods.—Canned Fruits.

Claims use since May 1, 1926.

Ser. No. 235,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRECO CANNING COMPANY, INC., San Jose, Calif. Filed July 27, 1926.



The portrait shown in the drawing is merely fanciful. The drawing is lined for shading purposes only.

Particular description of goods.—Canned Fruits.

Claims use since May 1, 1926.

Ser. No. 235,212. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRECO CANNING COMPANY, INC., San Jose, Calif. Filed July 27, 1926.

Everywoman

Particular description of goods.—Canned Fruits.
Claims use since May 1, 1926.

Ser. No. 235,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEONETT & CO., Chicago, Ill. Filed Aug. 3, 1926.

TOPSY
BARBECUE DRESSING

No claim is made to the words "Barbecue Dressing" apart from the mark shown in the drawing.
Particular description of goods.—Table Sauce or Dressing Used for Meats, Gravies, Soups, Game, Etc.
Claims use since May 1, 1925.

Ser. No. 236,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OELERICH & BERRY COMPANY, Chicago, Ill. Filed Aug. 21, 1926.

GINGER CAKE

Particular description of goods.—Molasses.
Claims use since about Jan. 1, 1895.

Ser. No. 236,677. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E-Z HEALTH LABORATORIES, Beech Creek, Pa. Filed Aug. 31, 1926.

EZYFYZ

Particular description of goods.—Laxative Chewing Gum.
Claims use since Jan. 1, 1895.

Ser. No. 237,276. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MUELLER BRASS CO., Port Huron, Mich. Filed Sept. 15, 1926.

GENUINE MUELLER PIPE 1926

No claim is made to the words "Genuine Mueller Pipe" apart from the remainder of the mark.
Particular description of goods.—Pipes of Nonferrous Metal.
Claims use since on or about Aug. 21, 1926.

Ser. No. 237,475. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAWYER & MURRAY, Fresno, Calif. Filed Sept. 20, 1926.

POLL PAK

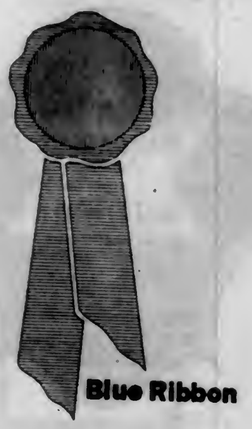
Particular description of goods.—Fresh Deciduous Fruits and Grapes, Dried Fruits, and Dried Raisins.
Claims use since May 1, 1926.

Ser. No. 238,036. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BINNEY & SMITH COMPANY, New York, N. Y. Filed Oct. 2, 1926.

B & S
N Y

Exclusive use of the letters "N" and "Y" is disclaimed except in connection with the trade-mark as shown.
Particular description of goods.—Carbon Black.
Claims use since July 1, 1886.

Ser. No. 238,243. (CLASS 2. RECEPTACLES.) ANDERSON BOX COMPANY, Indianapolis, Ind. Filed Oct. 7, 1926.



The drawing is lined for red and blue, but such coloring is hereby disclaimed.
Particular description of goods.—Chick Boxes for Shipping.
Claims use since June, 1925.

Ser. No. 238,447. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Oct. 11, 1926.

Master Kem

Particular description of goods.—Oil-Field Cement-Controlling Chemical Preparations Adapted to Effect Increase in Tensile and Compressive Strength, Accelerate the Set, and Produce Waterproofing Properties in Cement.
Claims use since Aug. 1, 1926.

Ser. No. 238,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED M. CASLER, doing business as Casler Food Products Co., Los Angeles, Calif. Filed Oct. 15, 1926.

CALORIE

Particular description of goods.—Salad Dressing, Tartar Sauce, Jams, Jellies, and Candies.
Claims use since May 1, 1926.

Ser. No. 239,211. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOHN P. WETTACH, Pittsburgh, Pa. Filed Oct. 25, 1926.

SNUGFIT

Particular description of goods.—Stair-Tread Mats.
Claims use since May 26, 1925.

Ser. No. 239,371. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ED. KANITZ & CO., AKTIENGESELLSCHAFT, WIEN, Vienna, Austria. Filed Oct. 28, 1926.

CLIMAX

Particular description of goods.—Photographic Apparatus for the Taking of Photographic Films and Single Photographic Views, Apparatus for the Projection of Films and Single Photographic Views, Accessories for Apparatus for the Taking and for the Projection of Films and Single Photographic Views.
Claims use since August, 1926.

Ser. No. 239,618. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Nov. 3, 1926.



The mark consists of three spaced concentric colored stripes or bands disposed centrally of and extending circumferentially around the side-wall portion of a tire casing and placed symmetrically on opposite sides thereof as indicated by the line shading in the drawing, which denotes the colors blue, gold, and blue, respectively. No claim is made to the representation of a tire apart from the mark shown.
Particular description of goods.—Pneumatic Vehicle Tires Composed Wholly or in Part of Rubber.
Claims use since June 10, 1926.

Ser. No. 239,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTA FLOUR & GRAIN CO., Atlanta, Ga. Filed Nov. 5, 1926.

PURA

Particular description of goods.—Chicken Feed, Dairy Feed, and Chicken Mash.
Claims use since Nov. 6, 1925.

Ser. No. 240,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNESOTA CO-OPERATIVE EGG & POULTRY EXCHANGE, INC., St. Paul, Minn. Filed Nov. 20, 1926.

LAKE REGION

Particular description of goods.—Eggs and Dressed Poultry.
Claims use since Apr. 8, 1925.

Ser. No. 240,428. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MOTOR TERMINALS COMPANY, New York, N. Y. Filed Nov. 22, 1926.

MOTOR TERMINALS

Particular description of goods.—Automobile Trucks and Removable Bodies Therefor.
Claims use since 1917.

Ser. No. 240,937. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) WHITING AND DAVIS CHAIN COMPANY, Plainville, Mass. Filed Dec. 3, 1926.

CHAIN
WHITING & DAVIS
CO.

Particular description of goods.—Watch Chains, Neck Chains, Key Chains, Bracelet Chains, and Eyeglass Chains, Rosary Cases, Pocketknives and Table Knives, Buckles and Belts Comprised Wholly or in Part of Precious Metal, and Bracelets, Necklaces, Earrings, Cuff Links, Finger Rings, and Brooches.
Claims use since Nov. 26, 1926.

Ser. No. 241,626. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAMONT, CORLISS & COMPANY, New York, N. Y. Filed Dec. 17, 1926.

CREMA

Particular description of goods.—Milk-Chocolate Coating and Milk Cocoa.
Claims use since April, 1921, on chocolate coating and May, 1925, on milk cocoa.

Ser. No. 241,670. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RELIABLE SILK MANUFACTURING CO., New York, N. Y. Filed Dec. 18, 1926.

DUVTOUCH
WASHABLE

No claim is made to the word "Washable" apart from the mark shown in the drawing.
Particular description of goods.—Textile Fabrics made of Silk, Artificial Silk, Cotton, Wool, or Mixtures Thereof.
Claims use since Mar. 3, 1926.

Ser. No. 241,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. MEAWIN, Strathmore, Calif. Filed Dec. 23, 1926.



HOLLY

Particular description of goods.—Fresh Grapes and Fresh Pomegranates.
Claims use since Oct. 1, 1925.

Ser. No. 241,993. (CLASS 37. PAPER AND STATIONERY.) A. W. FABER, INC., Newark, N. J. Filed Dec. 27, 1926.

Polychromos

Particular description of goods.—Pencils.
Claims use since 1905.

Ser. No. 242,134. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. D. KAMPF, INC., New York, N. Y. Filed Dec. 29, 1926.



Particular description of goods.—Dry-Cleaning Fluid Used to Remove Oil, Grease, Etc.
Claims use since Dec. 24, 1925.

Ser. No. 242,235. (CLASS 37. PAPER AND STATIONERY.) D. LEONARDT AND COMPANY, Birmingham, England. Filed Dec. 31, 1926. (Under 10-year proviso.)

BALL-POINTED

Particular description of goods.—Metallic Pens Except Gold or Silver Pens or Pens of Precious Metals or Imitations of Precious Metals.
Claims use since June 4, 1887.

Ser. No. 242,483. (CLASS 39. CLOTHING.) THE ISBELL-KENT-OAKES DRY GOODS COMPANY, Denver, Colo. Filed Jan. 7, 1927.

Jaunty Jill
Dresses

The word "Dresses" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Children's Linen Dresses, Children's Cotton Dresses, Children's Silk Dresses, Children's Wool Dresses, Children's Rayon Dresses, Children's Linen Rompers, Children's Cotton Rompers, Children's Silk Rompers, Children's Wool Rompers, Children's Rayon Rompers, Children's Linen Bloomers, Children's Silk Bloomers, Children's Cotton Bloomers, Children's Wool Bloomers, Ladies' Linen Dresses, Ladies' Cotton Dresses, Ladies' Silk Dresses, Ladies' Wool Dresses, Ladies' Rayon Dresses, Ladies' Linen Bloomers, Ladies' Cotton Bloomers, Ladies' Silk Bloomers, Ladies' Wool Bloomers, Ladies' Rayon Bloomers, Boys' Linen Suits, Boys' Cotton Suits, Boys' Silk Suits, Boys' Wool Suits, and Boys' Rayon Suits.
Claims use since Sept. 1, 1926.

Ser. No. 242,703. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BISHOP AND BISHOP, Dunfield, Va. Filed Jan. 12, 1927.



BISHOP'S

The portraits appearing on the drawing are those of R. R. Bishop and R. B. Bishop.
Particular description of goods.—Medicine for Catarrh, Stomach, and Liver.
Claims use since on or about Sept. 1, 1926.

Ser. No. 242,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRYN MAWR FRUIT GROWERS ASSOCIATION, Bryn Mawr, Calif. Filed Jan. 14, 1927.

Redlands Gold

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since July 30, 1926.

Ser. No. 242,853. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JULIA PRELEWSKI, doing business as Julian Products Co., Yonkers, N. Y. Filed Jan. 14, 1927.

KUM-4-ETT
IN-1

Particular description of goods.—Catamenial Protectors.
Claims use since Dec. 27, 1926.

Ser. No. 243,073. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WAGER & HIRSCH, INC., New York, N. Y. Filed Jan. 19, 1927.

ROMARÈ CREPE

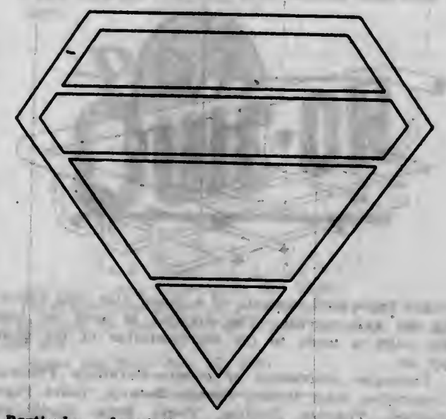
No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since Dec. 1, 1926.

Ser. No. 243,169. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RELIABLE SILK MANUFACTURING CO., New York, N. Y. Filed Jan. 21, 1927.

DUVTOUCH

Particular description of goods.—Textile Fabrics Made of Silk, Artificial Silk, Cotton, Wool, or Mixtures Thereof.
Claims use since Mar. 3, 1926.

Ser. No. 243,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE T. A. SNIDER PRESERVE CO., Chicago, Ill. Filed Jan. 22, 1927.



Particular description of goods.—Canned Fruits, Canned Vegetables, Chili Sauce, Jams, Fruit Preserves, Vinegar, Oyster-Cocktail Sauce, Spaghetti, Canned Soups, Salad Dressing, and Canned Baked Beans, Canned Sauerkraut and Apple Sauce.
Claims use since 1884.

Ser. No. 243,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. L. BREEDING, San Antonio, Tex. Filed Jan. 29, 1927.

ALBAREX

Particular description of goods.—Medicine for Use in Treating Stomach and Bowel Disorders and for the Relief of Indigestion, Gas, Ulcers, Acid Stomach, Flux, and Appendicitis.
Claims use since Dec. 23, 1926.

Ser. No. 243,560. (CLASS 39. CLOTHING.) MARY FAULKNER POLLARD, Richmond, Va. Filed Jan. 29, 1927.

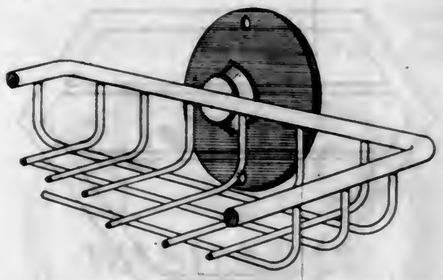


The right to the exclusive use of the pictorial representation of a leg and the pictorial representation of the goods is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Leggings.

Claims use since Nov. 15, 1926.

Ser. No. 243,568. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UTILITY MANUFACTURING COMPANY INC., Baltimore, Md. Filed Jan. 29, 1927.



The trade-mark consists of a broad blue ring applied to the wall bracket. The drawing is lined for blue. No claim is made to the representation of the goods per se.

Particular description of goods.—Bathroom Fixtures, Comprising Soap Dishes, Sponge Baskets, Toilet Paper Holders, Tumbler Holders, Towel Bars, Toothbrush Holders, Tooth-Paste Holders, Shaving-Brush Holders, and Shaving-Cream Holders.

Claims use since Jan. 3, 1927.

Ser. No. 243,747. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEXANDER BRICK, Vienna, Austria. Filed Feb. 3, 1927.

BRIXOL

Particular description of goods.—Disinfectants, Deodorants, and Substances for Obviating or Rendering Unperceptible Objectionable Odors or Gases in Rooms and Buildings in Liquid and Solid Form.

Claims use since July, 1925.

Ser. No. 244,043. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCOLATE PRODUCTS CO., Chicago, Ill. Filed Feb. 9, 1927.

MORE HEALTH

Particular description of goods.—A Food Beverage Composed of Chocolate and Milk and Strups for making the Same.

Claims use since June 1, 1923.

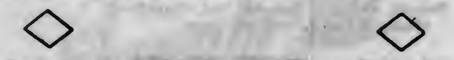
Ser. No. 244,067. (CLASS 37. PAPER AND STATIONERY.) FLACH & BENEDICT, INC., Los Angeles, Calif. Filed Feb. 9, 1927.

HONORBILT

Particular description of goods.—Bookkeeping Supplies—Namely, Loose-Leaf Sheets, Binders, Indexes, Division Leaves, Statements, Invoices, Financial-Report Blanks, Filing Cards, Index Cards, Guide Cards and Folders, Mailing Envelopes, and Writing Paper.

Claims use since June 1, 1926.

Ser. No. 244,079. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KATZ & OGUSH, INC., New York, N. Y. Filed Feb. 9, 1927.



Particular description of goods.—Finger Rings, Bar Pins, Scarfpins, Bracelets, Sautoirs, Watch Chains, Gem Settings, Mesh Bags, Vanity Cases, Barrettes, Brooches, Belt Buckles, Earrings, Watch Fobs, Necklaces, Neck Chains, Necklace Clasps, Medals, Cuff Buttons, Shoe Buckles, Lockets, Tie Clasps, Watch-Chain Snaps, and Veil Pins, All of the Above Articles Being Made of or Coated with Precious Metal.

Claims use since Apr. 12, 1928.

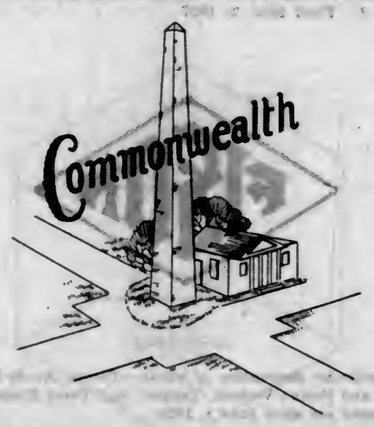
Ser. No. 244,504. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH KUHN, Chicago, Ill. Filed Feb. 17, 1927.

AVANTI

Particular description of goods.—Metal Advertising Device Operated by Opening of Store Doors.

Claims use since Aug. 1, 1926.

Ser. No. 244,564. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MAXWELL MEYERS, Boston, Mass. Filed Feb. 18, 1927.



The lining on the drawing in the word "Commonwealth" is for shading only.

Particular description of goods.—Trumpets, Clarinets, Flutes, Piccolos, Bass Horns, Alto Horns, Baritone Horns, Mellophones, Banjos, Saxophones, and Sousaphones.

Claims use since July 10, 1926.

Ser. No. 244,734. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ACACIA FRATERNITY, Worcester, Mass. Filed Feb. 23, 1927.



The trade-mark consists of three right-angle triangles shown so placed as to form a third right-angle triangle as shown in the drawing. No claim is made herein to the representation of a pin per se.

Particular description of goods.—Fraternity Pins, Badges, Lapel Buttons, Cuff Links, Tie Clasps, Charms, Finger Rings, and Belt Buckles Made of or Plated with Precious Metal.

Claims use since Dec. 20, 1916.

Ser. No. 244,885. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PRECISION ELECTRIC MFG. CORP., Los Angeles, Calif. Filed Feb. 25, 1927.

PEMCO

Particular description of goods.—A and B Battery Eliminators, Trickle Chargers, Electrical Condensers, Grid Plates, and Transformers for Radio Apparatus.

Claims use since July 18, 1926.

Ser. No. 244,888. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Feb. 25, 1927.

PURPLE LINE

Particular description of goods.—Gas Ranges, Plates, Heaters, and Stoves, Water Heaters, Air and Gas Mixers for Gas-Burning Devices, Gas-Fired Steam Boilers and Furnaces—Namely, Gas-Fired Furnaces for Domestic and Industrial Purposes.

Claims use since about Mar. 1, 1926.

Ser. No. 244,901. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESTERN SOAP & CHEMICAL CO., Los Angeles, Calif. Filed Feb. 25, 1927.

Valley Queen

Particular description of goods.—Soap, Household Cleanser, Laundry Cleanser, and Hand Cleanser.

Claims use since 1905.

Ser. No. 244,957. (CLASS 39. CLOTHING.) THE PIQUA HOSIERY COMPANY, Piqua, Ohio. Filed Feb. 26, 1927.

P-Q-A
QUIC-ON

Applicant owns registration No. 79,690.

Particular description of goods.—Knitted and Textile Underwear in One and Two Piece Garments for Men and Boys.

Claims use since Jan. 27, 1927.

Ser. No. 244,978. (CLASS 15. OILS AND GREASES.) BEAR STATE OIL CO., Joplin, Mo. Filed Feb. 28, 1927.



No claim is made to the exclusive use of the word "Gasoline" apart from the mark as shown.

Particular description of goods.—Gasoline.

Claims use since August, 1919.

Ser. No. 244,981. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MANFRED CALL, Richmond, Va. Filed Feb. 28, 1927.



Particular description of goods.—Cast-Iron Parts of Plows.
Claims use since 1881.

Ser. No. 245,014. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAND O'LAKES CREAMERIES INC., Minneapolis, Minn. Filed Feb. 28, 1927.

LAND O'LAKES

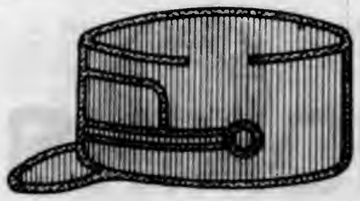
Particular description of goods.—Sweet Milk, Condensed Milk, Powdered Milk, Evaporated Milk, Homogenized Cream, Sweet-Buttermilk Powder, Sweet Cream, Poultry Feed; Butter Oil—Namely, Milk Fat Extracted from Butter and Adapted for Use in the Manufacture of Ice Cream and Candy; Calf Feed, Dairy Feed, Hog Feeds, and Skim-Milk Powder.
Claims use since Apr. 10, 1926.

Ser. No. 245,056. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE KAPPA ALPHA ORDER, Orlando, Fla. Filed Mar. 1, 1927.



The trade-mark consists of the words "Kappa Alpha" and the exclusive use of the other features of the drawing is disclaimed excepting in connection with the mark as shown.
Particular description of goods.—Fraternity Pins, Badges, Lapel Buttons, Cuff Links, Tie Clasps, Charms, Finger Rings, and Belt Buckles, All Made of or Plated with Precious Metal.
Claims use since 1865.

Ser. No. 245,058. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KNAPP ELECTRIC CORPORATION, Port Chester, N. Y. Filed Mar. 1, 1927.



The lines in the drawing indicate the color red.
Particular description of goods.—Electric Motors Generally, and Particularly Electric Motors Suitable for Driving Fans.
Claims use since Jan. 5, 1927.

Ser. No. 245,109. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. I. SIEGEL & SON, doing business as Fison Paint Products Company, Union City, N. J. Filed Mar. 2, 1927.



Particular description of goods.—Paints, Ready-Mixed, Dry, and Paste; Varnish, Lacquer, and Paint Enamels.
Claims use since June 1, 1920.

Ser. No. 245,131. (CLASS 39. CLOTHING.) M. WILE & COMPANY, INC., Buffalo, N. Y. Filed Mar. 2, 1927.



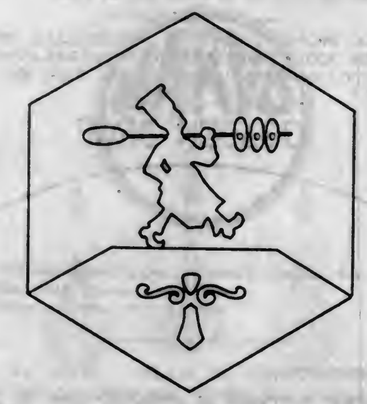
Particular description of goods.—Men's Outer Garments—Namely, Suits of All Kinds, Overcoats, Waistcoats, and Trousers.
Claims use since Jan. 17, 1927.

Ser. No. 245,211. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. W. HOFFMAN & COMPANY, INC., Philadelphia, Pa. Filed Mar. 4, 1927.

Eveready Plunger

Applicant disclaims exclusive use of the word "Eveready" except in the relationship shown in the drawing.
Particular description of goods.—Hydraulic Lift and Force Pump.
Claims use since November, 1924.

Ser. No. 245,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. WESTERGAARD & CO., Brooklyn, N. Y. Filed Mar. 5, 1927.



Particular description of goods.—Bread.
Claims use since about May, 1923.

Ser. No. 245,366. (CLASS 37. PAPER AND STATIONERY.) NASHUA PACKAGE SEALING CO. INC., Nashua, N. H. Filed Mar. 7, 1927.

NATIONAL PACKAGE SEALER

Applicant disclaims the words "Package Sealer."
Particular description of goods.—Devices for Moistening and/or Serving Adhesive or Gummed Tape, Labels, and the Like Strip Material, Particularly for Use on Counters, Desks, Etc., for Package Sealing and Labeling Purposes.
Claims use since on or about Jan. 15, 1915.

Ser. No. 245,386. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Mar. 7, 1927.

Willard

Particular description of goods.—Storage Batteries and Parts Thereof and Current-Supplying Devices of the Type for Supplying Rectified A. C. Current and of the Type Including a Storage Battery with Provision for Charging the Same from an A. C. Circuit, These Current-Supplying Devices Being Employed More Particularly for Power Units for Radio Receiving Sets.
Claims use since on or about June 1, 1916, on storage batteries and on power units since the month of June, 1926.

Ser. No. 245,644. (CLASS 32. FURNITURE AND UPHOLSTERY.) MAX O. KINGSTONE, doing business as Kingstone Bedding Co., San Francisco, Calif. Filed Mar. 12, 1927.



Particular description of goods.—Mattresses, Pillows, and Cushions.
Claims use since June 2, 1925.

Ser. No. 245,662. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SHELBY OIL PRODUCTS COMPANY, Shelby, Mont. Filed Mar. 12, 1927.



Particular description of goods.—Automobile, Furniture, and Woodwork Polish Which is Used as a Refinisher for All Hard-Finished Surfaces and as an Interior Finisher and Refinisher on Floors, Woodwork, Counters, Desks, and the Like.
Claims use since Jan. 1, 1927.

Ser. No. 245,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWARTZ'S NUT STORES, INC., New York, N. Y. Filed Mar. 15, 1927.



Applicant disclaims the use of the words "Schwartz's Nut Stores, Inc.," apart from the mark shown in the drawing.
Particular description of goods.—Candies, Chocolate, Dried, and Stuffed Fruits.
Claims use since Dec. 18, 1926.

Ser. No. 245,821. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTELIA WESLEY, INC., New York, N. Y. Filed Mar. 15, 1927.



Particular description of goods.—Various Toilet Preparations—Namely, Skin Creams, Skin Tonic, Astringent, Facial Lotion, and Face Powder.
Claims use since Nov. 8, 1915.

Ser. No. 245,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALMON EXCHANGE, INC., Astoria, Oreg. Filed Mar. 16, 1927.

WESTERN STAR

Particular description of goods.—Canned Salmon.
Claims use since July 1, 1926.

Ser. No. 245,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPTAIN KIDD PRODUCTS, INC., Brooklyn, N. Y. Filed Mar. 17, 1927.

CAPTAIN KIDD

Particular description of goods.—Flavoring Sirups and Extracts for Foods.
Claims use since Mar. 1, 1927.

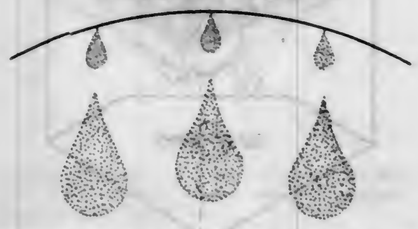
Ser. No. 245,990. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES HUNTER MACHINE COMPANY, North Adams, Mass. Filed Mar. 18, 1927.

Hunter

Particular description of goods.—Automatic Feeds; Belginn Dusters, Card Breasts, Chinchilla Machines, Cloth-Carbonizing Equipment, Cloth Driers, Cloth Washers, Continuous Driers, Conveyer Systems, Cotton-Felt Machinery, Crabbing Machines, Crush Rolls, Exhaust and Dust-Collecting System, Felt Mills, Felt Washers, Fulling Mills, Garnets, Hand Drills, Indigo-Dye Machines, Kicker Mills, Loop Driers, Mattress Machinery, Metallic Rolls, Needle Looms, Pickers, Rag Dusters, Rag Shredders, Rolls (Log, Lagged, Rubber, Iron, Steel), Shoddy Machinery, Soapers, Squeeze Rolls, Tenter-Frame Housings, Tenter-Frame Drying Systems, Truck Driers, Vacuum Extractors, Variable-Speed Drives, Willows, Wool-Carbonizing Equipment, Wool Driers, Wool Dusters, Wool Openers, Wool Washers, and Yarn Driers.
Claims use since on or about Jan. 1, 1896.

Ser. No. 246,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN C. SMALLEY, Bridgeport, Ala. Filed Mar. 18, 1927.

GOLDEN DROP



Particular description of goods.—Medicine for Diarrhea.
Claims use since 1923.

Ser. No. 246,093. (CLASS 45. BEVERAGES, NONALCOHOLIC.) STANLEY HARTFORD, doing business as Klassy Beverage Company, San Bernardino, Calif. Filed Mar. 21, 1927.

KLASSY

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Sept. 30, 1925.

Ser. No. 246,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAYMOND B. TWYMAN, doing business as The Siltex Company, Chicago, Ill. Filed Mar. 23, 1927.



Particular description of goods.—Chemical for Preserving Silk Hosiery and Other Silk and Artificial-Silk Textiles and Fabrics.
Claims use since Feb. 15, 1927.

Ser. No. 246,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAULINE FRISSIE, doing business as Marvo Company, Los Angeles, Calif. Filed Mar. 26, 1927.

MARVO

Particular description of goods.—Salves for Hemorrhoids, Cuts, Burns, and Sores.
Claims use since Oct. 1, 1926.

Ser. No. 246,461. (CLASS 12. CONSTRUCTION MATERIALS.) BOYD AND HUTTER TILE COMPANY, Long Beach, Calif. Filed Mar. 28, 1927.

ViTil
SOLID ENAMEL

The words "Solid Enamel" are disclaimed apart from the mark shown.
Particular description of goods.—Glass Tile.
Claims use since Mar. 16, 1927.

Ser. No. 246,556. (CLASS 39. CLOTHING.) ISADORE ISAAC, doing business as I. Isaac & Co., New York, N. Y. Filed Mar. 29, 1927.

RESILTEX
RESILIENT CRAVATS

Applicant makes no claim to the exclusive use of the words "Resilient Cravats" apart from the mark as shown on the drawing.
Particular description of goods.—Ties.
Claims use since Feb. 25, 1927.

Ser. No. 246,568. (CLASS 11. INKS AND INKING MATERIALS.) THE QUEEN CITY PRINTING INK COMPANY, Cincinnati, Ohio. Filed Mar. 28, 1927.

PHOTO TONE

Particular description of goods.—Printing Inks.
Claims use since Jan. 1, 1921.

Ser. No. 246,597. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONNECTICUT AUTOMOTIVE SPECIALTIES COMPANY, Bridgeport, Conn. Filed Mar. 30, 1927.

THE MOTORISTS SAFETY MATCH

"The Motorists Safety Match."
Particular description of goods.—Electric Cigar Lighters and Electric Trouble Lamps.
Claims use since Oct. 1, 1924.

Ser. No. 246,694. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAGNETIC POLISH COMPANY, INC., St. Louis, Mo. Filed Mar. 31, 1927.

MAGNETIC

Particular description of goods.—Metal Polish.
Claims use since about June, 1918.

Ser. No. 246,703. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NIMROD, LIMITED, London, England. Filed Mar. 31, 1927.

HADES

Particular description of goods.—Combination Natural-Gas and Fuel-Oil Burners.
Claims use since July, 1926.

Ser. No. 246,727. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) APPLETON WOOLEN MILLS, Appleton, Wis. Filed Apr. 1, 1927.



Particular description of goods.—Felt Blankets for the Use of Paper Makers and Paper-Makers' Jackets.
Claims use since 1881.

Ser. No. 246,740. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARKS PRODUCTS INC., Binghamton, N. Y. Filed Apr. 1, 1927.

Almonized

Particular description of goods.—Toilet Preparations—Namely, Toilet Cream.
Claims use since July 7, 1921.

Ser. No. 246,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KASCO MILLS, INC., Waverly, N. Y. Filed Apr. 1, 1927.

APEX

Particular description of goods.—Dairy Feed Known in the Trade as Milk-Maker, Mash with Dried Buttermilk; Poultry Feed—Namely, Scratch Grains, Baby-Chick Grains, and Mashes.
Claims use since April, 1922.

Ser. No. 246,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PUYALLUP & SUMNER FRUIT GROWERS ASSOCIATION, Puyallup, Wash. Filed Apr. 1, 1927.

FRUITFULL

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables; Jams, and Jellies, Frozen Berries in Barrels and Cans.
Claims use since July 14, 1926.

Ser. No. 246,776. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Apr. 1, 1927.

SAVORY

Particular description of goods.—Dry and Liquid Measures, Measuring Cups, and Portable Liquid Tank-Wagon Measures.
Claims use since Aug. 26, 1926.

Ser. No. 246,820. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DAVOL RUBBER COMPANY, Providence, R. I. Filed Apr. 2, 1927.

Anti-Colic

Particular description of goods.—Bottle Caps.
Claims use since Nov. 15, 1926.

Ser. No. 246,868. (CLASS 39. CLOTHING.) HYMAN WEINSTEIN, New York, N. Y. Filed Apr. 2, 1927.

CENTURY FASHION

No claim is made herein for registration of the word "Fashion" as a trade-mark except in the particular arrangement and association in which it appears in the drawing.
Particular description of goods.—Men's Suits, Overcoats, and Topcoats.
Claims use since on or about Mar. 1, 1927.

Ser. No. 246,894. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL GAUGE COMPANY, Chicago, Ill. Filed Apr. 4, 1927.

ADJUSTATHERM

Particular description of goods.—Electrically-Actuated Control for Electric Switches.
Claims use since about Apr. 2, 1927.

Ser. No. 246,939. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH SVEHLA, doing business as Rheu-Ci-Tam Medicine Company, St. Louis, Mo. Filed Apr. 4, 1927.

Rheu-Ci-Tam

Particular description of goods.—Medicinal Compound to be Taken Internally for Rheumatism, Gout, Swelling of Joints, and Moving Pains.
Claims use since Oct. 7, 1917.

Ser. No. 246,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESTERN MINT COMPANY, Portland, Oreg. Filed Apr. 4, 1927.

PEP·O·SMOKE

Particular description of goods.—Peppermint Oil, Used for Flavoring Tobacco Used in Cigarettes and Pipes.
Claims use since Dec. 1, 1926.

Ser. No. 246,948. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AVERILL MANUFACTURING CORP., New York, N. Y. Filed Apr. 5, 1927.

BUBBLES

Particular description of goods.—Dolls.
Claims use since April, 1924.

Ser. No. 247,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IRELAND CANDY COMPANY, St. Louis, Mo., and Los Angeles, Calif. Filed Apr. 6, 1927.

Ireland's Sweet Po-tay-toes



Particular description of goods.—Candy.
Claims use since Mar. 15, 1927.

Ser. No. 247,133. (CLASS 15. OILS AND GREASES.) KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Apr. 8, 1927.

DUZ

Particular description of goods.—Lubricants Consisting of Oils and Greases.
Claims use since Mar. 18, 1927.

Ser. No. 247,180. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FURMANITE CORPORATION, Newport News, Va. Filed Apr. 9, 1927.

FURMANITE

Particular description of goods.—Equipment for Sealing Leaks in Metal Containers.
Claims use since Mar. 31, 1927.

Ser. No. 247,204. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PACIFIC GUANO & FERTILIZER COMPANY, San Francisco, Calif. Filed Apr. 9, 1927.

LEAFIRON

Particular description of goods.—Spray for Agricultural Purposes.
Claims use since Nov. 1, 1925.

Ser. No. 247,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS DOBBRATZ CO., Milwaukee, Wis. Filed Apr. 11, 1927.

L.D.C.

Particular description of goods.—Wholesale Groceries—Namely, Coffee, Catchup, and Canned Salmon, Peaches, Pears, Tomatoes, Wax Beans, Cut Green Beans, Sauerkraut, Beets, Peas, and Corn.
Claims use since Sept. 2, 1921.

Ser. No. 247,274. (CLASS 38. PRINTS AND PUBLICATIONS.) THE KEYSTONE PUBLISHING CO., Philadelphia, Pa. Filed Apr. 11, 1927.

The KEYSTONE

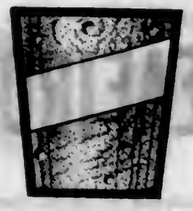
Particular description of goods.—Monthly Publication for Jewelry and Kindred Lines.
Claims use since January, 1906.

Ser. No. 247,308. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. BENFORD, doing business as Virginia May Laboratories, Newtonville, Mass. Filed Apr. 12, 1927.

UTH-A-GAIN

Particular description of goods.—Liquid Preparation for Improving the Contour of the Face and Removing Blemishes Therefrom.
Claims use since September, 1926.

Ser. No. 247,360. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) COSK IMPORT CORPORATION, New York, N. Y. Filed Apr. 13, 1927.



No exclusive claim is made to the representation of the tapered cork apart from its connection with the remainder of the trade-mark as shown in the drawing.

Particular description of goods.—Tapered Corks and Stoppers.

Claims use since Mar. 24, 1927.

Ser. No. 247,421. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERRYMAN H. FENNELL, doing business as Fennell Coffee Company, San Antonio, Tex. Filed Apr. 14, 1927.



Exclusive right to the words "You Know Its Fresh," "Ground and Packed Fresh To-day," "Date," and "Coffee" is disclaimed separate and apart from the mark shown in the drawing.

Particular description of goods.—Coffee.

Claims use since Feb. 22, 1927.

Ser. No. 247,480. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JONES-DABNEY COMPANY, Louisville, Ky. Filed Apr. 15, 1927.

JODAC

Particular description of goods.—Lacquers, Varnishes, and Paint Enamels.

Claims use since Mar. 28, 1927.

Ser. No. 247,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH JOHN STROSSALL, Brooklyn, N. Y. Filed Apr. 15, 1927.



The words "Facial Beautifying Drops" are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Liquid Preparation to Refresh the Face and Improve Its Appearance.

Claims use since Feb. 5, 1927.

Ser. No. 247,530. (CLASS 38. PRINTS AND PUBLICATIONS.) EXPERIMENTER PUBLISHING COMPANY, New York, N. Y. Filed Apr. 16, 1927.



Particular description of goods.—Magazines Published Weekly.

Claims use since Mar. 26, 1927.

Ser. No. 247,557. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NATIONAL GUT STRING MFG. CO., INC., Chicago, Ill. Filed Apr. 16, 1927.



The drawing is greatly enlarged and is lined for red and blue. The mark consists of red and blue strands interwoven longitudinally with the string. The representation of the goods is disclaimed.

Particular description of goods.—Gut String for Tennis Rackets.

Claims use since Apr. 12, 1927.

Ser. No. 247,562. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OLMSTEAD CORPORATION, Springfield, Mass. Filed Apr. 16, 1927.

SILVER SEAL

Particular description of goods.—Sanitary Belts.

Claims use since Mar. 7, 1927.

Ser. No. 247,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JULIA A. ARABIB, New Orleans, La. Filed Apr. 18, 1927.

Creole Chef

Particular description of goods.—Seasonings for Food in Powdered Form.

Claims use since Feb. 1, 1927.

Ser. No. 247,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT C. MANGANIELLO, doing business as Isabeau Laboratories, New York, N. Y. Filed Apr. 18, 1927.

ISABEAU

Particular description of goods.—Cold Cream, Vanishing Cream, Scalp Balm, Oil Shampoo, Cream Shampoo, Hair Tonic, Preparation for Removing Facial Blemishes, Depilatory, Nail Enamel, Preparation for Removing Nail Enamel, Rouge, and Skin Astringent.

Claims use since on or about July 26, 1912.

Ser. No. 247,694. (CLASS 39. CLOTHING.) THE S. KANN SONS COMPANY, Washington, D. C. Filed Apr. 19, 1927.

"Fashona"

Particular description of goods.—Ladies', Misses', and Children's Shoes Constructed of Leather, Fabric, and Combinations Thereof.

Claims use since Mar. 29, 1927.

Ser. No. 247,719. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) VAL BLATZ BREWING COMPANY, Milwaukee, Wis. Filed Apr. 19, 1927.

Meister

Particular description of goods.—Malt Sirup for Food Purposes.

Claims use since Mar. 14, 1927.

Ser. No. 247,732. (CLASS 39. CLOTHING.) FIELD BROS. & GROSS CO., Auburn, Me. Filed Apr. 20, 1927.

Foot King

Particular description of goods.—Men's, Women's, and Children's Shoes Made of Leather or Leather and Rubber.

Claims use since September, 1926.

Ser. No. 247,813. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NOX-AN-AKE CO., Mannington, W. Va. Filed Apr. 21, 1927.

NOX-AN-AKE

Particular description of goods.—Headache Tablets and Headache Powders.

Claims use since Jan. 18, 1925.

Ser. No. 247,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.



Particular description of goods.—Horse and Mule Feed

Claims use since Jan. 29, 1921.

Ser. No. 247,855. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

COMPETITOR

Particular description of goods.—Horse Feed, Mule Feed, and Chicken Feed.
Claims use since Nov. 9, 1917, on horse and mule feed and since Sept. 19, 1924, on chicken feed.

Ser. No. 247,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAIN BELT MILLS COMPANY, South St. Joseph, Mo. Filed Apr. 22, 1927.

TEMPLAR

Particular description of goods.—Horse Feed, Mule Feed, and Dairy Feed.
Claims use since Nov. 16, 1920, on horse and mule feed and since June 23, 1921, on dairy feed.

Ser. No. 247,860. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Apr. 22, 1927.

BULL DOG

Particular description of goods.—Motor Trucks.
Claims use since about Sept. 21, 1921.

Ser. No. 247,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OLIVER RELISH COMPANY, Newark, N. J. Filed Apr. 22, 1927.

OLIVER'S GOOD TASTE

The face shown in the mark is fanciful and the words "Good Taste" are disclaimed apart from the mark.
Particular description of goods.—Pepper Salad and Celery Relish.
Claims use since 1895.

Ser. No. 247,907. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. JOHN J. RATTY, Ventnor, N. J. Filed Apr. 23, 1927.

Mrs. John J. Ratty NO-COOK CAKE ICING

Applicant's name as it appears in the mark is a facsimile signature, the words "No Cook" and "Cake Icing" not being claimed apart from the other features of the mark.
Particular description of goods.—Cake Icing.
Claims use since Apr. 6, 1927.

Ser. No. 247,908. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) B. N. REYES, Philadelphia, Pa. Filed Apr. 23, 1927.

Seal-o-matic

Particular description of goods.—Attachment to be Secured to the Bottoms of Doors to Prevent Drafts.
Claims use since Mar. 9, 1927.

Ser. No. 247,921. (CLASS 31. FILTERS AND REFRIGERATORS.) WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Apr. 23, 1927.

CARTRIDGE

Particular description of goods.—Radiators and Condensers for Refrigerating Systems.
Claims use since February, 1921.

Ser. No. 247,925. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BLOCH FRERES, INC., New York, N. Y. Filed Apr. 25, 1927.

PORTE BONHEUR

Particular description of goods.—Handkerchiefs.
Claims use since Mar. 18, 1927.

Ser. No. 247,933. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DANIELS & SCHUCK, INC., East Orange, N. J. Filed Apr. 25, 1927.

DANSCHUCK

Particular description of goods.—Splined Box Ends for Shipping Boxes, Crates, Fruit Cases, and the Like.
Claims use since about Sept. 1, 1924.

Ser. No. 247,934. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 25, 1927.

"YOURS TO SERVE"

Particular description of goods.—Pumps.
Claims use since Apr. 14, 1927.

Ser. No. 247,963. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RADIUM RESEARCH FOUNDATION, Los Angeles, Calif. Filed Apr. 25, 1927.

Radium-Sol

The descriptive word "Radium" appearing in the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Medicinal Preparation Containing Nonequilibrated Radium in Solution Taken Internally, Serving as a Gland Activator and Oxygenizer of the Blood.
Claims use since Apr. 4, 1927.

Ser. No. 247,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALINAS VALLEY CANNING CO., Salinas, Calif. Filed Apr. 25, 1927.

CALBEST FANCY

No claim is made to the descriptive word "Fancy" apart from the mark as shown in the drawing.
Particular description of goods.—Canned Fruits and Vegetables and Dried Fruits.
Claims use since Mar. 1, 1927.

Ser. No. 248,000. (CLASS 39. CLOTHING.) SAMUEL L. HOFFMAN, doing business as S. L. Hoffman & Co., New York, N. Y. Filed Apr. 26, 1927.

FASHIONETTE (ECONOMY DRESSES)

No claim is made to the exclusive use of the word "Dresses" apart from the mark shown on the drawing.
Particular description of goods.—Ladies' and Misses' House Dresses and Aprons.
Claims use since about October, 1926.

Ser. No. 248,008. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MERIDEN GRAVURE COMPANY, Meriden, Conn. Filed Apr. 26, 1927.

FULL-TONE MERIDEN GRAVURE

No registration rights are claimed in the words "Meriden Gravure" except in connection with the other features of the mark as shown in the drawing. Applicant is the owner of registration 198,785.
Particular description of goods.—Pictures, Illustrations, Display Cards, Greeting Cards, and Booklets.
Claims use since August, 1926.

Ser. No. 248,040. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HEDMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 27, 1927.

F E

Particular description of goods.—Mechanical Check Protectors and Check Certifiers.
Claims use since Feb. 5, 1927.

Ser. No. 248,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILBERT A. HEYMAN, New York, N. Y. Filed Apr. 27, 1927.

LA-CO-A
THE "DRINK-OF-A NATION"

No claim is made to the exclusive use of the words "The Drink-of-a-Nation" apart from the trade-mark as shown.

Particular description of goods.—Chocolate Milk Powder to be Used for Food Purposes or for Making Chocolate Milk Beverages.

Claims use since Apr. 21, 1927.

Ser. No. 248,077. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WURLITZER GRAND PIANO COMPANY, De Kalb, Ill. Filed Apr. 27, 1927.

The CHANSONETTE

Particular description of goods.—Grand and Upright Pianos, Player Pianos, and Piano Players.

Claims use since Mar. 23, 1927.

Ser. No. 248,092. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 28, 1927.

Makes Every Day a Happy Day

Particular description of goods.—Water-Softening Apparatus.

Claims use since Apr. 14, 1927.

Ser. No. 248,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED MARTORY, Paris, France. Filed Apr. 28, 1927.

Judith Barbier

The mark is a facsimile of the signature of Judith Barbier, the founder of the business of which applicant is the successor.

Particular description of goods.—Perfumes.

Claims use since Feb. 14, 1927.

Ser. No. 248,131. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Apr. 28, 1927.

Kayoac

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.

Claims use since October, 1926.

Ser. No. 248,187. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NORWALK VAULT COMPANY, Norwalk, Ohio. Filed Apr. 29, 1927.

THE NORWALK VAULT
LASTS THROUGH THE AGES

The wording appearing on the trade-mark is disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Molds for Making Concrete Burial Vaults.

Claims use since about Aug. 1, 1926.

Ser. No. 248,196. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) D. B. PURBECK & CO., Boston, Mass. Filed Apr. 29, 1927.

"Shu-tex"

Particular description of goods.—Shoe Lining, a Textile Fabric.

Claims use since Feb. 18, 1926.

Ser. No. 248,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER BLAIR RODDENBERY, Cairo, Ga. Filed Apr. 29, 1927.

PINELAND

Particular description of goods.—Table Sirup.

Claims use since Jan. 29, 1927.

Ser. No. 248,205. (CLASS 15. OILS AND GREASES.) SUNSET PETROLEUM CORPORATION, Los Angeles, Calif. Filed Apr. 29, 1927.

SPAD

Particular description of goods.—Motor Oils and Greases.

Claims use since Feb. 10, 1926.

Ser. No. 248,220. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEATHAM CHEMICAL COMPANY, Atlanta, Ga. Filed Apr. 30, 1927.

Polly Peachtree

Particular description of goods.—Toilet Water, Perfumes, Bay Rum, Alcohol Rub, Hair Tonics, Face Lotions, Cold Creams, Vanishing Creams, Pomades, Talcum Powders, and Face Powders.

Claims use since Mar. 12, 1924.

Ser. No. 248,244. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) PANTEX PRESSING MACHINE, INC., Pawtucket, R. I. Filed Apr. 30, 1927.

PAN-TEX

Particular description of goods.—Garment-Pressing Machines and Parts Thereof.

Claims use since Mar. 23, 1927.

Ser. No. 248,278. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. C. D. BORDEN & SONS, INC., New York, N. Y. Filed May 2, 1927.

Comfort Twist

No claim is made to the word "Twist" alone and apart from the mark as a whole.

Particular description of goods.—Cotton Piece Goods.

Claims use since Mar. 17, 1927.

Ser. No. 248,305. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LACTEIN COMPANY, San Francisco, Calif. Filed May 2, 1927.

Lactosan
SANITATES and DISINFECTS
DEODORIZES and PROTECTS

The words "Sanitates and Disinfects, Deodorizes and Protects" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Preparation in Powdered Form Used as a Disinfectant and Deodorant.

Claims use since Dec. 1, 1924.

Ser. No. 248,321. (CLASS 15. OILS AND GREASES.) PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed May 2, 1927.

ARCADE

Particular description of goods.—Lubricating Oils.

Claims use since Dec. 20, 1920.

Ser. No. 248,325. (CLASS 12. CONSTRUCTION MATERIALS.) FREDERICK H. RUPPEL, Los Angeles, Calif. Filed May 2, 1927.

ADOBLAR

Particular description of goods.—Brick, Floor Tile, and Roof Tile.

Claims use since Jan. 1, 1925.

Ser. No. 248,332. (CLASS 37. PAPER AND STATIONERY.) THE SPRINGFIELD LEATHER PRODUCTS COMPANY, Springfield, Ohio. Filed May 2, 1927.

My Five Years

Particular description of goods.—Diaries.

Claims use since Apr. 1, 1920.

Ser. No. 248,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CAPSI-PAD CO., West New York, N. J. Filed May 3, 1927.

CAPSI-PADS

The word "Pads" is disclaimed apart from the other features of the mark shown.

Particular description of goods.—Especially Constructed and Designed Dental Pad or Poultice for Inflammatory, Abscessed, or Lacerated Condition of the Gums, Teeth, or Other Portions of the Mouth.

Claims use since Aug. 1, 1924.

Ser. No. 248,355. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FITZGERALD MANUFACTURING COMPANY, Torrington, Conn. Filed May 3, 1927.

VIM-RAY

Particular description of goods.—Therapeutic Lamps.

Claims use since on or about Apr. 10, 1927.

Ser. No. 248,382. (CLASS 12. CONSTRUCTION MATERIALS.) WEST PROCESS PAVEMENT COMPANY, INCORPORATED, Louisville, Ky. Filed May 3, 1927.

Westphalt

Particular description of goods.—Asphaltic Paving Material.

Claims use since Mar. 29, 1927.

Ser. No. 248,389. (CLASS 39. CLOTHING.) BARRON-ANDERSON COMPANY, Boston, Mass. Filed May 4, 1927.

ALL YEAR

Particular description of goods.—Men's Suits, Overcoats, and Topcoats.

Claims use since Oct. 5, 1926.

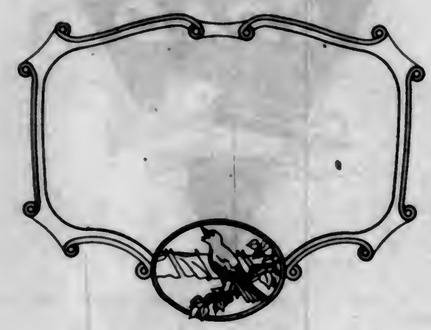
Ser. No. 248,391. (CLASS 39. CLOTHING.) CLARION KNITTING MILLS, INC., New York, N. Y. Filed May 4, 1927.

Clarion

Particular description of goods.—Knitted and Textile Underwear for Men, Women, and Children, and Ties, Scarfs, and Mufflers for Men, Women, and Children.

Claims use since Mar. 21, 1921.

Ser. No. 248,395. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed May 4, 1927.



Particular description of goods.—Water-Softening Apparatus.

Claims use since Apr. 14, 1927.

Ser. No. 248,396. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GERARD C. DEANE, Yonkers, N. Y. Filed May 4, 1927.

CRIN-TEX

Particular description of goods.—Plaster-of-Paris Bandages.

Claims use since Mar. 14, 1927.

Ser. No. 248,399. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DOEHLER DIE-CASTING CO., Brooklyn, N. Y. Filed May 4, 1927.



The term "Zink" is hereby disclaimed apart from the mark shown in the drawing except that no common-law rights are surrendered.

Particular description of goods.—Die-Casting Metal and Die Castings.

Claims use since Jan. 1, 1927.

Ser. No. 248,403. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FLATO'S INC., doing business as Davo Manufacturing Co., Allston, Mass. Filed May 4, 1927.

DAVO

Particular description of goods.—Polish for Furniture and Automobiles.

Claims use since Dec. 1, 1926.

Ser. No. 248,424. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OLD BEN COAL CORPORATION, Chicago, Ill. Filed May 4, 1927.

EMPEROR

Particular description of goods.—Coal.

Claims use since Apr. 1, 1926.

Ser. No. 248,439. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) ALBERT PICK & COMPANY, Chicago, Ill. Filed May 4, 1927.



No claim is made herein to the words "Vitrified China" apart from the mark shown.

Particular description of goods.—China Dishes and Crockery.

Claims use since June 4, 1926.

Ser. No. 248,440. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed May 4, 1927.



Particular description of goods.—Automotive Vehicles—Namely, Automobiles, Trucks, and Busses and Taxicabs and Their Component Parts.

Claims use since Apr. 8, 1927.

Ser. No. 248,459. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed May 5, 1927.

SPORTS LIGHTER

No claim is made to the word "Lighter" apart from the mark shown in the drawing.

Particular description of goods.—Portable and Pocket Cigar and Cigarette Lighters Utilizing a Liquid Fuel.

Claims use since Mar. 15, 1927.

Ser. No. 248,460. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed May 5, 1927.

DUPLEX

Particular description of goods.—Rubber Bands, Pencils, and Penholders.

Claims use since December, 1896.

Ser. No. 248,478. (CLASS 39. CLOTHING.) DAVID JACOBS CORPORATION, New York, N. Y. Filed May 5, 1927.

Leading Lady

Particular description of goods.—Women's Hosiery.

Claims use since Apr. 23, 1927.

Ser. No. 248,505. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed May 5, 1927.

CHIFFODEN

Particular description of goods.—A Textile of Cotton and Rayon Mixture in the Piece.
Claims use since March, 1927.

Ser. No. 248,509. (CLASS 45. BEVERAGES, NONALCOHOLIC.) A. S. MONTY, doing business as Hallmark Flavor Co., Chicago, Ill. Filed May 5, 1927.

HALLMARK

Particular description of goods.—Noncereal, Maltless, Nonalcoholic Beverages, Sirups, Concentrates, and Compounds for Making the Same.
Claims use since Jan. 15, 1927.

Ser. No. 248,555. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COCHRAN-TURNEY-CRISPO, INC., New York, N. Y. Filed May 6, 1927.

ARCTIC

Particular description of goods.—Fresh Vegetables.
Claims use since May 1, 1927.

Ser. No. 248,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. HOUGHTON & CO., Philadelphia, Pa. Filed May 6, 1927.

"SILKLUBRIC"

Particular description of goods.—Compounds for Processing Pure Silk to Add Strength to the Material by Lubrication as Well as to Soften the Sericin or Gum in the Silk.
Claims use since Apr. 16, 1927.

Ser. No. 248,605. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM WHITMAN COMPANY, INC., Boston, Mass. Filed May 6, 1927.

MONOLIN

Particular description of goods.—Textile Fabrics of Wool and Cotton in the Piece.
Claims use since Feb. 10, 1927.

Ser. No. 248,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WINORR CANNING COMPANY, Circleville, Ohio. Filed May 6, 1927.

SUNBRITE

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Mar. 1, 1927.

Ser. No. 248,614. (CLASS 43. THREAD AND YARN.) THE AMERICAN THREAD COMPANY, New York, N. Y. Filed May 7, 1927.



Apart from the mark shown the representation of spools of thread and the words "Spool Cotton," "Three Cord," and "Pearl Finish" are hereby disclaimed.
Particular description of goods.—Spool Cotton, Thread, and Sewing Cotton.
Claims use since May, 1883.

Ser. No. 248,660. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WOOLEN CORPORATION OF AMERICA, New York, N. Y. Filed May 7, 1927.

WOCORA

Particular description of goods.—Woolen, Worsted, Cotton Piece Goods.
Claims use since Apr. 25, 1927.

Ser. No. 248,851. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINNIE J. LYNCH, Waterbury, Conn. Filed May 11, 1927.

M. J. L.

Particular description of goods.—Healing Salve for Cuts, Burns, Boils, Inflammation, Sunburn, Abscesses, and Sprains.
Claims use since Apr. 1, 1927.

Ser. No. 248,924. (CLASS 39. CLOTHING.) DAVID H. POSNER INC, Boston, Mass. Filed May 12, 1927.

Brae Burn

"Brae Burn."
Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 248,925. (CLASS 38. PRINTS AND PUBLICATIONS.) PREP SCHOOL PUBLICATIONS, INC., Janesville, Wis. Filed May 12, 1927.

Prep Athlete

Particular description of goods.—Monthly Magazine.
Claims use since about February, 1927.

Ser. No. 248,927. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIX THEATRES CORPORATION, New York, N. Y. Filed May 12, 1927.

PUBLIX

Particular description of goods.—Coupon Books and Coupons.
Claims use since May 4, 1927.

Ser. No. 248,929. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIX THEATRES CORPORATION, New York, N. Y. Filed May 12, 1927.



Particular description of goods.—Coupon Books and Coupons.
Claims use since May 4, 1927.

Ser. No. 248,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURNEY S. WARREN, doing business as B. S. Warren, Druggist, Greenville, N. C. Filed May 12, 1927.

WARREN'S
B S

Particular description of goods.—Tonic and Laxative.
Claims use since Apr. 16, 1923.

Ser. No. 248,952. (CLASS 39. CLOTHING.) BEACON FALLS RUBBER SHOE CO., Beacon Falls, Conn. Filed May 13, 1927.

SMARTICS

Particular description of goods.—Arctics.
Claims use since Apr. 8, 1927.

Ser. No. 248,964. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MARION STEAM SHOVEL COMPANY, Marion, Ohio. Filed May 18, 1927.



Particular description of goods.—Monthly Magazine.
Claims use since January, 1926.

Ser. No. 248,988. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CERTIFIED MILK PRODUCERS' ASSOCIATION OF AMERICA, INC., Brooklyn, N. Y. Filed May 14, 1927.

CERTIFIED MILK

Particular description of goods.—Magazines Published Periodically.
Claims use since May 1, 1926.

Ser. No. 248,989. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed May 14, 1927.

FLYING

EBONY

Particular description of goods.—Pneumatic Tires and Inner Tubes.
Claims use since September, 1925.

Ser. No. 248,990. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed May 14, 1927.

MAN-O-WAR

Particular description of goods.—Pneumatic Tires and Inner Tubes.
Claims use since January, 1924.

Ser. No. 249,002. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed May 14, 1927.

"SUPREME"

Particular description of goods.—Hydrometers.
Claims use since about Jan. 1, 1922.

Ser. No. 249,035. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE APEX RAZOR BLADE CORPORATION, Baltimore, Md. Filed May 16, 1927.

APEX

Particular description of goods.—Safety-Razor Blades.
Claims use since Apr. 29, 1927.

Ser. No. 249,076. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINK-BELT COMPANY, Chicago, Ill. Filed May 16, 1927.

RUFF-NECK

Particular description of goods.—Oil-Well Drives and Counterweighted Disks on the Drive.
Claims use since about Jan. 1, 1927.

Ser. No. 249,095. (CLASS 37. PAPER AND STATIONERY.) THE PROFESSIONAL PRESS, INCORPORATED, Chicago, Ill. Filed May 16, 1927.

PENDULUM

Particular description of goods.—Professional-Appointment Books.
Claims use since Apr. 1, 1927.

Ser. No. 249,099. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SAVER MANUFACTURING COMPANY, Los Angeles, Calif. Filed May 16, 1927.

$AVER

Particular description of goods.—Measuring and Delivering Devices for Granular or Liquid Products.
Claims use since Mar. 15, 1927.

Ser. No. 249,128. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed May 17, 1927.

Country Club

Particular description of goods.—Fruit-Jar Rings.
Claims use since April, 1917.

Ser. No. 249,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAIRD & MCGUIRE, INC., Holbrook, Mass. Filed May 18, 1927.

CRESTALL

Particular description of goods.—Disinfectants and Insecticides.
Claims use since Apr. 1, 1918.

Ser. No. 249,148. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENDIX, INC., New York, N. Y. Filed May 18, 1927.

ROMARIO

Particular description of goods.—Piece Goods Composed of Silk, Silk and Cotton, Silk and Rayon, and Cotton and Rayon.
Claims use since May 6, 1927.

Ser. No. 249,149. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENDIX, INC., New York, N. Y. Filed May 18, 1927.

RONETTE

Particular description of goods.—Piece Goods Composed of Silk, Silk and Cotton, Silk and Rayon, and Cotton and Rayon.
Claims use since May 6, 1927.

Ser. No. 249,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & B. TEXTILE CHEMICAL CORPORATION, New York, N. Y. Filed May 18, 1927.

AVINOL

Particular description of goods.—Lubricant and Dye Penetrant for All Kinds of Textile Materials.
Claims use since May 15, 1925.

Ser. No. 249,193. (CLASS 38. PRINTS AND PUBLICATIONS.) RADIO MANUFACTURERS' PUBLISHING COMPANY, Chicago, Ill. Filed May 18, 1927.

Radio
Manufacturers'
Monthly

Particular description of goods.—Periodical Devoted to the Business of Radio Manufacturing.
Claims use since May 1, 1926.

Ser. No. 249,216. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE DELPHOS MOP COMPANY, Delphos, Ohio. Filed May 19, 1927.

LUCKY 7

Particular description of goods.—Floor Mops.
Claims use since Apr. 30, 1927.

Ser. No. 249,233. (CLASS 38. PRINTS AND PUBLICATIONS.) NATAMBA PUBLISHING COMPANY, INC., New York, N. Y. Filed May 19, 1927.



Particular description of goods.—Monthly Publication.
Claims use since December, 1921.

Ser. No. 249,234. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW DEPARTURE MANUFACTURING COMPANY, Bristol, Conn. Filed May 19, 1927.

ENDEE

Particular description of goods.—Antifriction Bearings and Parts Thereof.
Claims use since Feb. 11, 1926.

Ser. No. 249,242. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) D. B. SMITH & COMPANY, INC., Utica, N. Y. Filed May 19, 1927.

BANNER

Particular description of goods.—Sprayers, Spray Pumps, and Powder Dusters.
Claims use since on or about Apr. 1, 1892.

Ser. No. 249,243. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) D. B. SMITH & COMPANY, INC., Utica, N. Y. Filed May 19, 1927.

SPEEDEX

Particular description of goods.—Sprayers, Spray Pumps, and Powder Dusters.
Claims use since on or about May 1, 1923.

Ser. No. 249,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed May 19, 1927.



Particular description of goods.—Bacon and Meat Luncheon Loaf.
Claims use since Mar. 1, 1927, on meat luncheon loaf and since Nov. 18, 1926, on bacon.

Ser. No. 249,279. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY AND COMPANY, Indianapolis, Ind. Filed May 20, 1927.

BISMOID

Particular description of goods.—Medicine or a Pharmaceutical Preparation (a Colloidal Bismuth Which is Used in the Treatment of Syphilis).
Claims use since Apr. 16, 1927.

Ser. No. 249,299. (CLASS 38. PRINTS AND PUBLICATIONS.) RUSSELL'S COMMERCIAL NEWS, INC., New York, N. Y. Filed May 20, 1927.

RUSSELL'S REVIEW
COMMODITIES AND FINANCE

Particular description of goods.—Publication Published Monthly.
Claims use since May 15, 1927.

Ser. No. 249,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZIANG SUN WAN, Washington, D. C. Filed May 20, 1927.

白花 White Flower

The two Chinese characters shown mean "White Flower."
Particular description of goods.—Salted Nuts.
Claims use since about Apr. 30, 1927.

Ser. No. 249,400. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) AMERICAN FINANCE AND COMMERCE CO., San Francisco, Calif. Filed May 23, 1927.

ATTA BOY

Particular description of goods.—Firecrackers.
Claims use since Apr. 1, 1926.

Ser. No. 249,401. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) AMERICAN FINANCE AND COMMERCE CO., San Francisco, Calif. Filed May 23, 1927.

OH BOY

Particular description of goods.—Firecrackers.
Claims use since Apr. 1, 1926.

Ser. No. 249,402. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) AMERICAN FINANCE AND COMMERCE CO., San Francisco, Calif. Filed May 23, 1927.

SOME JANE

Particular description of goods.—Firecrackers.
Claims use since Feb. 1, 1927.

Ser. No. 249,427. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) S. T. JESSOP CO., INC., Chicago, Ill. Filed May 23, 1927.

JESCO

Particular description of goods.—Combination Ash Tray, Cigarette Holder, and Match Holder.
Claims use since Apr. 15, 1926.

Ser. No. 249,438. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN G. PURPLE, doing business as As-roses Mfg. Co., Minneapolis, Minn. Filed May 23, 1927.

As-roses

Particular description of goods.—Perspiration Deodorant.
Claims use since January, 1907.

Ser. No. 249,455. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS COMPANY, Chicago, Ill. Filed May 23, 1927.

LUCKY STRIKE

Particular description of goods.—Golf Balls.
Claims use since May 13, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 28, 1927.

229,353. HAIR GROWER, A PREPARATION FOR IMPARTING GLOSS TO THE HAIR, SHAMPOO, TETTER SALVE, COLD CREAM, AND FACE POWDERS. MARY E. MOORE, Boston, Mass.
Filed August 14, 1926. Serial No. 235,967. PUBLISHED APRIL 19, 1927.

229,354. RABBIT PELTS. KENNETH P. BUTTON, doing business as Rabbit Breeders' Exchange, Rochester, N. Y.
Filed August 20, 1926. Serial No. 236,191. PUBLISHED APRIL 12, 1927.

229,355. A SOOT CLEANER FOR PIPES, BOILERS, CHIMNEYS, AND THE LIKE. KILSOOT CHEMICAL CO., Portland, Me.
Filed February 4, 1927. Serial No. 243,814. PUBLISHED APRIL 19, 1927.

229,356. WOVEN, KNITTED, NETTED, AND TEXTILE FABRICS IN THE PIECE MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y., now by change of name Celanese Corporation of America, a Corporation of Delaware.
Filed February 5, 1927. Serial No. 243,838. PUBLISHED APRIL 19, 1927.

229,357. TITLE FOR CARTOONS IN NEWSPAPER PUBLICATIONS. NEW YORK EVENING POST INC., New York, N. Y.
Filed February 4, 1927. Serial No. 243,822. PUBLISHED APRIL 19, 1927.

229,358. DOG COLLARS, DOG HARNESS, AND HORSE HARNESS. CRAFTSMAN LEATHER SPECIALTY COMPANY, Dayton, Ohio.
Filed February 9, 1927. Serial No. 244,055. PUBLISHED APRIL 12, 1927.

229,359. ADDING, CALCULATING, MULTIPLYING, AND COMPUTING MACHINES. PAUL BIALIK, doing business as Marvel Adding Machine Co., St. Louis, Mo.
Filed February 10, 1927. Serial No. 244,129. PUBLISHED APRIL 19, 1927.

229,360. FLAKED AND POWDERED SOAP. LOS ANGELES SOAP COMPANY, Los Angeles, Calif.
Filed February 10, 1927. Serial No. 244,163. PUBLISHED APRIL 12, 1927.

229,361. FLAVORING FOR FOOD PRODUCTS. DAVID MICHAEL & CO., Philadelphia, Pa.
Filed February 10, 1927. Serial No. 244,172. PUBLISHED APRIL 5, 1927.

229,362. VEGETABLE RELISH. CHARLES GAFFNEY, Kearny, N. J.
Filed February 11, 1927. Serial No. 244,226. PUBLISHED APRIL 12, 1927.

229,363. REMEDY FOR DOG DISTEMPER. SMALL K. SKILLMAN, doing business as The Mucrola Remedy Company, Owensboro, Ky.
Filed February 11, 1927. Serial No. 244,245. PUBLISHED APRIL 19, 1927.

229,364. OINTMENTS FOR THE TREATMENT OF MOIST ECZEMA, BARBER'S ITCH, ITCH, ITCHING PILES, PIMPLES, POISON, OR OTHER SKIN ERUPTIONS. BURDO BROTHERS, Decatur, Ind.
Filed February 12, 1927. Serial No. 244,283. PUBLISHED APRIL 19, 1927.

229,365. HAME STRAPS AND HARNESS STRAPS (PLAIN). J. E. RHOADS & SONS, Philadelphia, Pa.
Filed December 18, 1926. Serial No. 241,672. PUBLISHED APRIL 12, 1927.

229,366. CASKETS USED FOR BURYING THE DEAD. MERIT HARDWARE MANUFACTURING CO., Chicago, Ill.
Filed December 20, 1926. Serial No. 241,739. PUBLISHED APRIL 19, 1927.

229,367. ANTITOXINS AND SERUMS OF HIGH POTENCY. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed December 21, 1926. Serial No. 241,784. PUBLISHED APRIL 19, 1927.

229,368. READY-MIXED PAINT AND PAINT ENAMEL. WADSWORTH HOWLAND & CO., INCORPORATED, Boston, Mass.
Filed December 21, 1926. Serial No. 241,799. PUBLISHED APRIL 12, 1927.

229,369. WATER-REPELLENT MILDEW-RESISTANT FABRIC. C. A. BOYLE & CO., Chicago, Ill.
Filed December 22, 1926. Serial No. 241,807. PUBLISHED APRIL 12, 1927.

229,370. WHITE LEAD. CARTER WHITE LEAD COMPANY, Omaha, Nebr., and Chicago, Ill.
Filed December 23, 1926. Serial No. 241,866. PUBLISHED APRIL 12, 1927.

229,371. CANNED FRUIT, JAMS, JELLIES, FRUIT PRESERVES, MARMALADE, CANNED FISH, CANNED VEGETABLES, CANNED TOMATO PURÉE, CHILI SAUCE, VINEGAR, PICKLES, MAYONNAISE, OLIVES, OLIVE OIL, CATCHUP, DRIED FRUIT, RAISINS, DRIED PRUNES, PEANUT BUTTER, HONEY, FOOD-FLAVORING EXTRACTS, CANNED FIGS, CANNED SAUERKRAUT, CANNED SOUP, AND PICKLED ONIONS. PACIFIC COAST CANNERS, INC., Oakland, Calif.
Filed December 23, 1926. Serial No. 241,898. PUBLISHED APRIL 12, 1927.

229,372. COFFEE. DIAMOND COFFEE MILLS, INC., Shreveport, La.
Filed December 28, 1926. Serial No. 242,046. PUBLISHED APRIL 19, 1927.

229,373. MONTHLY PUBLICATION. WALTER HENRY COUSINS, Dallas, Tex.
Filed December 29, 1926. Serial No. 242,097. PUBLISHED APRIL 12, 1927.

229,374. LAUNDRY SOAP, TOILET SOAP, SHAVING SOAP, POLISHING SOAP, SOAP POWDER, AND SOAP FLAKES. JÜNGER & GEBHARDT AKT.-GES., Berlin, Germany.
Filed December 29, 1926. Serial No. 242,133. PUBLISHED APRIL 19, 1927.

229,375. WOOL RUGS. WAITE CARPET CO., Oshkosh, Wis.
Filed December 29, 1926. Serial No. 242,159. PUBLISHED APRIL 19, 1927.

229,376. VISCOUS COMPOSITION OF MATTER FOR COATING DENTAL PLASTER CASTS. DAVID B. BUTCHERS, Carthage, Mo.
Filed January 3, 1927. Serial No. 242,277. PUBLISHED APRIL 12, 1927.

229,377. AN OINTMENT FOR USE IN TREATMENT OF COLDS, COUGHS, INFLUENZA. W. E. RUTHERFORD, doing business as Eu-Must-Rub Laboratory, Santa Rosa, Calif.
Filed January 4, 1927. Serial No. 242,353. PUBLISHED APRIL 19, 1927.

229,378. HAIR TONIC, HAIRDRESSING, AND EAU DE QUININE. THE ODELL COMPANY, INC., Newark, N. J.
Filed January 7, 1927. Serial No. 242,495. PUBLISHED APRIL 19, 1927.

229,379. LAWN AND GRASS SEED. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md.
Filed January 8, 1927. Serial No. 242,551. PUBLISHED APRIL 19, 1927.

229,380. NONALCOHOLIC, MALTLESS BEVERAGES AND SIRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES. THE COCA-COLA COMPANY, Atlanta, Ga.
Filed January 10, 1927. Serial No. 242,569. PUBLISHED APRIL 19, 1927.

229,381. PREPARATION FOR THE TREATMENT OF POSTOPERATIVE PAIN AFTER TOOTH EXTRACTION. DAVID M. CONEY, San Francisco, Calif.
Filed January 10, 1927. Serial No. 242,570. PUBLISHED APRIL 19, 1927.

229,382. COAL, CHARCOAL, COKE, AND WOOD. UNITED FUEL & SUPPLY COMPANY, Detroit, Mich.
Filed January 10, 1927. Serial No. 242,634. PUBLISHED APRIL 12, 1927.

229,383. AERONAUTICAL ENGINES. WRIGHT AERONAUTICAL CORPORATION, Paterson, N. J.
Filed January 12, 1927. Serial No. 242,763. PUBLISHED APRIL 19, 1927.

229,384. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. STEPHEN D. LEFAS, doing business as Columbia Orange Crush Bottling Co. and Columbia Bottling Works, Washington, D. C.
Filed January 13, 1927. Serial No. 242,788. PUBLISHED APRIL 12, 1927.

229,385. PAPER SHOPPING BAGS. R. BROWNSON & COMPANY, Hastings, Minn.
Filed February 5, 1927. Serial No. 243,845. PUBLISHED APRIL 19, 1927.

229,386. COMPOUND IN POWDER FORM FOR USE AS AN ANTISEPTIC. CLARENCE H. CLARK, doing business as ZuDent Chemical Company, San Francisco, Calif.
Filed February 5, 1927. Serial No. 243,847. PUBLISHED APRIL 19, 1927.

229,387. WASHING POWDER AND SOAP POWDER. ROBERT J. MAGEE, Chicago, Ill.
Filed February 5, 1927. Serial No. 243,866. PUBLISHED APRIL 19, 1927.

229,388. BREAD. MANOR BAKING COMPANY, Kansas City, Mo.
Filed February 5, 1927. Serial No. 243,869. PUBLISHED APRIL 12, 1927.

229,389. SALTS FOR USE IN CADMIUM PLATING. CADMIUM PROCESS COMPANY, Indianapolis, Ind.
Filed February 7, 1927. Serial No. 243,925. PUBLISHED APRIL 19, 1927.

229,390. FLOOR COVERINGS INCLUDING HAIR RUG CUSHIONS, HAIR CARPET LINING, AND HAIR STAIR PADS. DENSTEN FELT AND HAIR COMPANY, INC., Philadelphia, Pa.
Filed February 7, 1927. Serial No. 243,930. PUBLISHED APRIL 19, 1927.

229,391. WATERPROOF FABRIC AND WATERPROOF COTTON DUCK. WM. E. HOOPER & SONS CO., Baltimore, Md.
Filed February 7, 1927. Serial No. 243,949. PUBLISHED APRIL 12, 1927.

229,392. DEODORANT TOILET POWDER. UNA LUCILLE BURKE, doing business as No-No Products Company, Oakland, Calif.
Filed February 8, 1927. Serial No. 243,995. PUBLISHED APRIL 19, 1927.

229,393. FISH BAIT—NAMELY, PRESERVED SALMON EGGS AND PRESERVED MINNOWS. PETE LUBETICH, Seattle, Wash.
Filed February 8, 1927. Serial No. 244,018. PUBLISHED APRIL 19, 1927.

229,394. DRY CLEANERS IN PASTE AND LIQUID FORM. ROBINETTE & MCLAIN, Washington, D. C.
Filed February 8, 1927. Serial No. 244,026. PUBLISHED APRIL 12, 1927.

229,395. AIRPLANES PROPELLED BY GAS AND/OR STEAM ENGINES FOR CARRYING PASSENGERS AND FREIGHT. PITCAIRN AIRCRAFT, INC., Philadelphia, Pa.
Filed February 25, 1927. Serial No. 244,884. PUBLISHED APRIL 19, 1927.

229,396. AIRPLANES PROPELLED BY GAS AND/OR STEAM ENGINES FOR CARRYING PASSENGERS AND FREIGHT. PITCAIRN AIRCRAFT, INC., Philadelphia, Pa.
Filed February 25, 1927. Serial No. 244,883. PUBLISHED APRIL 19, 1927.

229,397. MACHINERY-DRIVING BELTS. JAMES HENDRY LIMITED, Bridgeton, Glasgow, Scotland.
Filed February 25, 1927. Serial No. 244,870. PUBLISHED APRIL 19, 1927.

229,398. SALVE FOR BURNS, BOILS, CARBUNCLES, FELONS, CHAPPED HANDS, FROSTBITES, BONE DISEASES, AND ALL ULCERATED WOUNDS. PETRONILLA M. VERSTYNEN, Rockford, Ill.
Filed February 25, 1927. Serial No. 244,896. PUBLISHED APRIL 19, 1927.

229,399. CERTAIN ALUMINUM WARE. ALUMINUM GOODS MANUFACTURING CO., Manitowoc, Wis.
Filed February 26, 1927. Serial No. 244,909. PUBLISHED APRIL 19, 1927.

229,400. VINEGAR. PHILIP FRANCIS DE FATTA, doing business as Caddo Vinegar Company, Shreveport, La.
Filed February 26, 1927. Serial No. 244,919. PUBLISHED APRIL 12, 1927.

229,401. CANDY. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed February 12, 1927. Serial No. 244,289. PUBLISHED APRIL 19, 1927.

229,402. NOM DE PLUME FOR NEWSPAPER COLUMNS, INCLUDING STORIES, RADIO STORIES, POEMS, CARTOONS, SONGS, PROGRAMS, RADIO PROGRAMS, PHOTOGRAPHS, PORTRAITS, AND LIMERICKS. KAUFMANN & BAER COMPANY, Pittsburgh, Pa.
Filed February 21, 1924. Serial No. 192,624. PUBLISHED MARCH 22, 1927.

229,403. READY-MIXED AND PASTE-FORM PAINTS, PAINT BINDERS, DRIERS, VARNISHES, PAINT ENAMELS, AND PRIMERS. THOMAS H. DOWNWARD, doing business as Elastic Compound Paint Company, Philadelphia, Pa.
Filed April 9, 1924. Serial No. 195,222. PUBLISHED APRIL 12, 1927.

229,404. SERGES IN THE PIECE. RUDOLPH SPITZER, doing business as Rudolph Spitzer Co., New York, N. Y.
Filed October 11, 1924. Serial No. 203,760. PUBLISHED APRIL 19, 1927.

229,405. COFFEE. FREDERICK B. DUNCAN, New York, N. Y.
Filed January 29, 1925. Serial No. 208,798. PUBLISHED APRIL 6, 1926.

229,406. BICYCLES. EXCELSIOR CYCLE COMPANY, Chicago, Ill., and Michigan City, Ind.
Filed January 30, 1925. Serial No. 208,847. PUBLISHED APRIL 19, 1927.

229,407. FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, AND SACHETS. EDITH SCHULTZ, Chicago, Ill.
Filed April 3, 1925. Serial No. 212,154. PUBLISHED APRIL 19, 1927.

229,408. BIT BRACES, AUGER BITS, SCREW CLAMPS, FIGURE DIES, LETTER DIES, DRILLS, FILES, GLASS CUTTERS, MOUNTED GRINDSTONES, HAMMERS, HATCHETS, MALLETS, MAULS, PLIERS, POLISHING HEADS, PUNCHES, SAWS, SAW BLADES, SCREW DIES, SCREW DRIVERS, SCREW TAPS, SOLDERING TOOLS, TOOL SETS, VISES, WORKBENCHES, WRENCHES, SCOOPS, SPATULAS, TONGS, CORKSCREWS, INCREMENT BORERS, PRUNING SAWS, AND STEEL BALLS FOR BEARINGS. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed April 20, 1925. Serial No. 213,000. PUBLISHED MARCH 8, 1927.

229,409. SALAD OILS—NAMELY, COTTONSEED SALAD OIL. ANTONIO CORRAO, doing business as The Universal Salad Oil Co., New York, N. Y.
Filed April 20, 1925. Serial No. 213,008. PUBLISHED FEBRUARY 23, 1926.

229,410. AN INSECT DESTROYER. MACKIE PINE OIL SPECIALTY CO., INC., Covington, La.
Filed May 29, 1925. Serial No. 215,077. PUBLISHED APRIL 19, 1927.

229,411. BACON. E. M. TODD CO., Richmond, Va.
Filed June 22, 1925. Serial No. 216,238. PUBLISHED APRIL 19, 1927.

229,412. COTTON VOILE IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,625. PUBLISHED DECEMBER 1, 1925.

229,413. CANNED AND PRESERVED MEATS—NAMELY, CAMP PIE, BRAWN, AND OXTONGUE—HAMS, BACON, MEAT PASTES, CHEESE, BUTTER, BEEF DRIPPINGS, JAMS, JELLIES, AND HONEY. FRED WALKER & CO. PROPRIETARY LIMITED, Melbourne, Victoria, Australia.
Filed October 16, 1925. Serial No. 221,861. PUBLISHED FEBRUARY 15, 1927.

229,414. FOOD BEVERAGE—NAMELY, CHOCOLATE MALTED MILK DRINK. CHARLES V. DAVIS, doing business as Santa Ana Soda & Bottling Co., Santa Ana, Calif.
Filed October 24, 1925. Serial No. 222,223. PUBLISHED JANUARY 26, 1926.

229,415. CERTAIN NAMED FOODS. CLARK, CHAPIN & BUSHNELL INC., Brooklyn, N. Y.
Filed November 2, 1925. Serial No. 222,663. PUBLISHED AUGUST 17, 1926.

229,416. SODA ASH, ETC. THE J. B. FORD COMPANY, Wyandotte, Mich.
Filed January 2, 1926. Serial No. 225,405. PUBLISHED APRIL 19, 1927.

229,417. OLEOMARGARINE AND LARD. ST. LOUIS INDEPENDENT PACKING COMPANY, doing business as Missouri Butterine Co., St. Louis, Mo.
Filed January 20, 1926. Serial No. 226,173. PUBLISHED APRIL 5, 1927.

229,418. READY-MIXED PAINTS. SUPER PAINT & VARNISH COMPANY, Brooklyn, N. Y.
Filed January 28, 1926. Serial No. 226,574. PUBLISHED APRIL 12, 1927.

229,419. ASPHALT. JOHN J. FLANNERY, New York, N. Y.
Filed January 30, 1926. Serial No. 226,643. PUBLISHED APRIL 19, 1927.

229,420. TOMATO CATCHUP AND CANNED TOMATO WITH PURÉE SAUCES—NAMELY, WORCESTER AND CHILI SAUCE; RELISHES—NAMELY, HORSE-RADISH, PREPARED MUSTARD, CHOW-CHOW, CANNED SAUERKRAUT, DILL PICKLES, SOUR PICKLES, SWEET PICKLES, PEARL ONIONS, AND SWEET RELISH CONSISTING OF A MIXTURE OF CHOPPED PICKLES, CAULIFLOWER, TOMATOES, ETC., SWEETENED WITH SUGAR; MINCEMEAT, GREEN AND RIPE OLIVES, DISTILLED WHITE VINEGAR, CIDER VINEGAR, AND TABLE SIRUP. CALIFORNIA SUPPLY COMPANY, San Francisco, Calif.
Filed February 9, 1926. Serial No. 227,056. PUBLISHED APRIL 12, 1927.

229,421. COMFORTS. THE CLIFFORD W. MAISH BEDDING COMPANY, Cincinnati, Ohio.
Filed February 25, 1926. Serial No. 227,803. PUBLISHED APRIL 12, 1927.

229,422. RUBBER LATEX IN NATURAL, STABILIZED, DILUTED, OR CONCENTRATED FORM. JAMES BARRET CROCKETT, New York, N. Y.
Filed February 16, 1927. Serial No. 244,430. PUBLISHED APRIL 19, 1927.

229,423. TEXTILE FABRICS—NAMELY, PIECE GOODS OF RAYON AND SILK. DUPLAN SILK CORPORATION, New York, N. Y.
Filed February 16, 1927. Serial No. 244,433. PUBLISHED APRIL 19, 1927.

229,424. PORTABLE HAND FIRE-EXTINGUISHING APPARATUS. KNIGHT & THOMAS, INC., Boston, Mass.
Filed February 16, 1927. Serial No. 244,450. PUBLISHED APRIL 19, 1927.

229,425. ANTISEPTIC BALM AND OIL AND SHAMPOO PREPARATION FOR HAIR TREATMENT. E. MORRIS MFG. CO., Detroit, Mich.
Filed February 16, 1927. Serial No. 244,461. PUBLISHED APRIL 19, 1927.

229,426. SEEDS. I. L. RADWANER SEED CO., INC., New York, N. Y.
Filed February 16, 1927. Serial No. 244,470. PUBLISHED APRIL 19, 1927.

229,427. ICE CREAM. NATIONAL ICE CREAM COMPANY, Louisville, Ky.
Filed February 17, 1927. Serial No. 244,510. PUBLISHED APRIL 12, 1927.

229,428. TOOTH POWDERS. F. BROOKFIELD SLATER, Washington, D. C.
Filed February 17, 1927. Serial No. 244,516. PUBLISHED APRIL 19, 1927.

229,429. CANNED RAZOR CLAMS. N. E. WILLIS, doing business as N. E. Willis & Son, Gearhart, Oreg.
Filed February 17, 1927. Serial No. 244,525. PUBLISHED APRIL 19, 1927.

229,430. OLIVE OILS. COMPTOIRS PICHOT & RENNECON, Marseille, France.
Filed February 18, 1927. Serial No. 244,545. PUBLISHED APRIL 12, 1927.

229,431. SOAP. VINCENT DE MESSIMY, Chicago, Ill.
Filed February 18, 1927. Serial No. 244,548. PUBLISHED APRIL 12, 1927.

229,432. NONALCOHOLIC, MALTLESS EXTRACTS AND FLAVORS FOR SOFT DRINKS. HAGEN-BECKER COMPANY, St. Paul, Duluth, and Minneapolis, Minn.
Filed February 18, 1927. Serial No. 244,558. PUBLISHED APRIL 19, 1927.

229,433. LAXATIVE. MASSEY BROTHERS, Winchester, Va.
Filed October 18, 1926. Serial No. 238,796. PUBLISHED MARCH 8, 1927.

229,434. FRESH VEGETABLES, FRESH CANTALOUPES, AND FRESH DECIDUOUS FRUITS. CHAS. H. JANDT PACKING CO., Los Angeles, Calif.
Filed October 20, 1926. Serial No. 238,908. PUBLISHED APRIL 19, 1927.

229,435. GLUE. NATIONAL GUM & MICA COMPANY, New York, N. Y.
Filed October 25, 1926. Serial No. 239,192. PUBLISHED APRIL 12, 1927.

229,436. ANTISEPTIC TOILET PREPARATIONS—NAMELY, MOUTH WASH, TOOTH POWDER, TOOTH PASTE, HAIR TONIC, AND POMADES. PARFYMERI F. PAULI A/B., Stockholm, Sweden.
Filed October 27, 1926. Serial No. 239,315. PUBLISHED APRIL 19, 1927.

229,437. OIL CANS, CREAMERY PAILS, MILK OR DAIRY PAILS, BUTTER PAILS, BOND OR BANKERS' BOXES, CASH BOXES, STRAINER PAILS, MILK KETTLES, SPRINKLING POTS, WELL BUCKETS, GASOLINE CANS, WASTE CANS, FIRE PAILS, BASKETS, CEMENT OR CONTRACTORS' PAILS, SIRUP CANS, SAP PAILS, OIL OR GASOLINE TANKS, ALL MADE OF BASE METAL. THE REPUBLIC METALWARE CO., Buffalo, N. Y.
Filed October 29, 1926. Serial No. 239,427. PUBLISHED APRIL 19, 1927.

229,438. POT-COVER-DISPLAY RACKS, FOOT BATHS, DISH PANS, RINSING PANS, DIPPER BOWLS, SINK STRAINERS, CHILDREN'S PLUNGE BATHS, BOUQUET HOLDERS, TEA TRAYS, ASH-CAN COVERS, FAUCETS FOR OIL CANS, PURÉE SIEVES, STOVE BOARDS, DRIPPING PANS, ROUND GRIDDLES, TORPEDO-CAN EARS, KETTLE EARS, BOILER-COVER HANDLES, MARKING POTS, REFRIGERATOR PANS, DREDGES, FLOUR, SALT, AND PEPPER DREDGE BOXES. THE REPUBLIC METALWARE CO., Buffalo, N. Y.
Filed October 29, 1926. Serial No. 239,428. PUBLISHED APRIL 19, 1927.

229,439. SHEET-STEEL CEILINGS AND EAVES TROUGHS. BAYONNE STEEL COMPANY, INC., New York, N. Y.
Filed November 12, 1926. Serial No. 239,962. PUBLISHED APRIL 12, 1927.

229,440. POWDER FOR RENDERING EXPLOSIVE OILS NONEXPLOSIVE. ELMER E. JENNISON, Medford, Oreg.
Filed November 6, 1926. Serial No. 239,753. PUBLISHED APRIL 19, 1927.

229,441. PISTONS OF ALUMINUM-ALLOY COMPOSITION FOR INTERNAL-COMBUSTION ENGINES FOR TRUCKS, TRACTORS, PASSENGER CARS, AND AEROPLANES. THE ACCURALITE COMPANY, Muskegon, Mich.
Filed November 6, 1926. Serial No. 239,731. PUBLISHED APRIL 19, 1927.

229,442. PACKERS' PRODUCTS—NAMELY, LARDS, CREAMERY BUTTER, HAMS, BACON, SHOULDERS, SAUSAGE, PORK ROLL, DRIED BEEF, CHEESE, LARD COMPOUNDS MADE FROM COTTONSEED OIL AND OTHER OILS. THE WM. SCHLUDERBERG-T. J. KURDLE CO., Baltimore, Md.
Filed November 4, 1926. Serial No. 239,681. PUBLISHED APRIL 5, 1927.

229,443. BLEACHING COMPOSITIONS AND CHEMICAL COMPOSITIONS FOR REMOVING STAINS AND GREASE FROM FABRICS AND FOR WASHING WOOL. CHEMISCHE FABRIK STOCKHAUSEN & CIE., Krefeld, Germany.
Filed March 5, 1926. Serial No. 228,176. PUBLISHED MARCH 22, 1927.

229,444. BLEACHING COMPOSITIONS AND CHEMICAL COMPOSITIONS FOR REMOVING STAINS AND GREASE FROM FABRICS AND FOR WASHING WOOL. CHEMISCHE FABRIK STOCKHAUSEN & CIE., Krefeld, Germany.
Filed March 5, 1926. Serial No. 228,177. PUBLISHED MARCH 22, 1927.

229,445. NUT-WRENCH SETS, SOCKET-WRENCH SETS, RATCHET-HANDLE WRENCHES, NUT AND TAP WRENCHES, SOCKET WRENCHES, SOCKETS AND HANDLES FOR SOCKET WRENCHES, UNIVERSAL JOINTS FOR SOCKET WRENCHES, ADAPTERS FOR SOCKET WRENCHES, BRACES FOR MOTORS OF AUTOMOBILES, LIFTERS FOR VALVES OF AUTOMOBILE MOTORS, AUTOMOBILE LIFTING JACKS, SCREW DRIVERS, BOTTLE OPENERS, CORKSCREWS, BOTTLE CAPPERS, AND CAN OPENERS. INDESTRO MFG. CO., Chicago, Ill.
Filed March 15, 1926. Serial No. 228,653. PUBLISHED APRIL 19, 1927.

229,446. TYPEWRITING MACHINES AND PARTS THEREOF. RHEINISCHE METALLWAAREN- UND MASCHINENFABRIK, Dusseldorf-Derendorf, Germany.
Filed December 14, 1926. Serial No. 241,498. PUBLISHED APRIL 19, 1927.

229,447. COMPOUND FOR CLEANING THE HANDS AND THE LIKE, SHAVING CREAM TO BE USED BEFORE SHAVING, SHAVING STICKS, SHAVING POWDER, OUTFIT PACKAGES CONTAINING SOAP AND TOWEL, POWDER FOR WASHING AND CLEANING PURPOSES, LAUNDRY SOAPS, SOAP FLAKES, HAND SOAP, TOILET SOAP, SOAP PASTE, WASHING TABLETS, AND SHAMPOO SOAPS. LEIGH CHEMIST, INC., New York, N. Y.
Filed December 17, 1926. Serial No. 241,629. PUBLISHED APRIL 12, 1927.

229,448. FINANCIAL PUBLICATION ISSUED MONTHLY. J. HENRY SCHRODER BANKING CORPORATION, New York, N. Y.
Filed December 17, 1926. Serial No. 241,637. PUBLISHED APRIL 12, 1927.

229,449. SHAMPOOING FIXTURES, VALVES, COCKS, AND PLUMBING COUPLINGS. STREET & KENT MFG. COMPANY, Chicago, Ill.
Filed December 17, 1926. Serial No. 241,642. PUBLISHED APRIL 19, 1927.

229,450. FERTILIZERS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany.
Filed December 18, 1926. Serial No. 241,658. PUBLISHED APRIL 19, 1927.

229,451. FERTILIZERS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany.
Filed December 18, 1926. Serial No. 241,659. PUBLISHED APRIL 19, 1927.

229,452. POTATOES IN THEIR NATURAL STATE. ZUCKERMAN BROTHERS, Stockton, Calif.
Filed September 7, 1926. Serial No. 236,979. PUBLISHED APRIL 19, 1927.

229,453. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE DREWRYS LIMITED, Winnipeg, Manitoba, Canada.
Filed October 15, 1926. Serial No. 238,643. PUBLISHED APRIL 19, 1927.

229,454. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. ELYSEE DELIVERY DE LUXE CORPORATION, New York, N. Y.
Filed October 8, 1926. Serial No. 238,311. PUBLISHED APRIL 19, 1927.

229,455. FURNITURE OF ALL KINDS. ONEIDACRAFT, INC., Oneida, N. Y.
Filed October 4, 1926. Serial No. 238,133. PUBLISHED APRIL 19, 1927.

229,456. READY-MIXED PAINTS. ELCO PAINT PRODUCTS, INC., New York, N. Y.
Filed October 7, 1926. Serial No. 238,257. PUBLISHED APRIL 12, 1927.

229,457. SHOE POLISH. INTERNATIONAL SHOE POLISH, INC., Lynn, Mass.
Filed September 27, 1926. Serial No. 237,814. PUBLISHED APRIL 5, 1927.

229,458. PORTLAND CEMENT. UNIVERSAL PORTLAND CEMENT CO., Chicago, Ill.
Filed September 29, 1926. Serial No. 237,934. PUBLISHED APRIL 19, 1927.

229,459. SALVE FOR BRONCHITIS. DOMENICO A. COVIELLO, doing business as Coviello Chemical Co., Wilmington, Del.
Filed September 25, 1926. Serial No. 237,726. PUBLISHED APRIL 19, 1927.

229,460. FOLDING BOXES OF FIBROUS MATERIAL, AS CARDBOARD. NATIONAL METAL EDGE BOX COMPANY, Philadelphia, Pa.
Filed September 24, 1926. Serial No. 237,684. PUBLISHED APRIL 19, 1927.

229,461. AUTOMOBILE OIL PUMPS, BATTERY CONNECTER DRILLS, AND AUTOMOBILE BAND ADJUSTERS. GUY L. CUNNINGHAM, Los Angeles, Calif.
Filed September 21, 1926. Serial No. 237,494. PUBLISHED APRIL 19, 1927.

229,462. MALT SIRUP FOR FOOD PURPOSES. ARTHUR C. TAYLOR, doing business as Taylor Products Company, Detroit, Mich.
Filed September 15, 1926. Serial No. 237,296. PUBLISHED APRIL 19, 1927.

229,463. MALT SIRUP FOR FOOD PURPOSES. ARTHUR C. TAYLOR, doing business as Taylor Products Company, Detroit, Mich.
Filed September 15, 1926. Serial No. 237,295. PUBLISHED APRIL 19, 1927.

229,464. CONTROL APPARATUS FOR ADJACENT AND REMOTE AUTOMATIC PRODUCTION MACHINERY AND COMPRISING MECHANISM FOR MEASURING AND INDICATING DEPARTURES FROM CYCLE SPEED, ELAPSED PRODUCTIVE AND NONPRODUCTIVE PERIODS, OUTPUT OPERATION, SPEED, AND OTHER FACTORS OF SUCH MACHINERY. ELECTRIC PRODUCTION APPLIANCE CORP., New York, N. Y.
Filed September 14, 1926. Serial No. 237,227. PUBLISHED APRIL 19, 1927.

229,465. WIRE CLOTH FOR SCREENS. HANOVER WIRE CLOTH CO., Hanover, Pa.
Filed February 26, 1927. Serial No. 244,932. PUBLISHED APRIL 19, 1927.

229,466. WIRE CLOTH FOR SCREENS. HANOVER WIRE CLOTH CO., Hanover, Pa.
Filed February 26, 1927. Serial No. 244,931. PUBLISHED APRIL 19, 1927.

229,467. WIRE CLOTH FOR SCREENS. HANOVER WIRE CLOTH CO., Hanover, Pa.
Filed February 26, 1927. Serial No. 244,930. PUBLISHED APRIL 19, 1927.

229,468. SOAP, SOAP POWDER, SOAP FLOUR, SOAP CHIPS, AND SOAP FLAKES. FITZPATRICK BROS., Chicago, Ill.
Filed February 26, 1927. Serial No. 244,922. PUBLISHED APRIL 12, 1927.

229,469. PERIODICAL. THE REFEREE PUBLISHING CO., Chicago, Ill.
Filed February 12, 1927. Serial No. 244,820. PUBLISHED APRIL 12, 1927.

229,470. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SUCH AS A CHOCOLATE BEVERAGE, AND SIRUPS FOR MAKING THE SAME. MAVIS CORPORATION, Baltimore, Md.
Filed February 14, 1927. Serial No. 244,360. PUBLISHED APRIL 19, 1927.

229,471. SEALING COMPOUNDS, MIXTURES, AND MATERIALS IN CHEMICAL FORM FOR RADIATORS AND THE LIKE. WILLIAM COVERT JONES, Farmingdale, N. Y.
Filed February 15, 1927. Serial No. 244,403. PUBLISHED APRIL 19, 1927.

229,472. SAUERKRAUT. THE CLYDE KRAUT COMPANY, Clyde, Ohio.
Filed February 16, 1927. Serial No. 244,427. PUBLISHED APRIL 19, 1927.

229,473. COAL. COAL HILL MINING COMPANY, INC., Du Bois, Pa.
Filed February 16, 1927. Serial No. 244,428. PUBLISHED APRIL 19, 1927.

229,474. PREPARATION FOR THE TREATMENT OF BURNS, SCALDS, SUNBURN, INSECT BITES, PRICKLY HEAT, CHAPPED HANDS, SORES, AND ALL AFFECTIONS OF THE SKIN. CARL T. HENDRICKS, doing business at Ez-A-Burn Co., Hot Springs National Park, Ark.
Filed February 12, 1927. Serial No. 244,302. PUBLISHED APRIL 19, 1927.

229,475. GERMICIDAL SOLUTION FOR INTERNAL AND EXTERNAL USE. PHILIP L. HOWE, Wilson, Tex.
Filed February 18, 1927. Serial No. 244,559. PUBLISHED APRIL 19, 1927.

229,476. MEDICINE FOR BOWELS, STOMACH, AND CONSTIPATION. CHARLES A. FOHRMAN, Wilkes-Barre, Pa.
Filed February 19, 1927. Serial No. 244,611. PUBLISHED APRIL 19, 1927.

229,477. MALT SIRUP. MADISON MALT EXTRACT COMPANY, Madison, Wis.
Filed February 19, 1927. Serial No. 244,618. PUBLISHED APRIL 19, 1927.

229,478. MEDICINAL CHEWING GUM CONTAINING ASPIRIN. TEXAS GUM COMPANY, Temple, Tex.
Filed February 19, 1927. Serial No. 244,634. PUBLISHED APRIL 19, 1927.

229,479. MEDICINAL CHEWING GUM CONTAINING ASPIRIN. TEXAS GUM COMPANY, Temple, Tex.
Filed February 19, 1927. Serial No. 244,635. PUBLISHED APRIL 19, 1927.

229,480. CANNED VEGETABLES. CARROON & CO., Fowler, Ind.
Filed February 21, 1927. Serial No. 244,656. PUBLISHED APRIL 19, 1927.

229,481. CANNED VEGETABLES. CARROON & CO., Fowler, Ind.
Filed February 21, 1927. Serial No. 244,657. PUBLISHED APRIL 19, 1927.

229,482. CANNED VEGETABLES. CARROON & CO., Fowler, Ind.
Filed February 21, 1927. Serial No. 244,658. PUBLISHED APRIL 19, 1927.

229,483. CREOSOTE WOOD PRESERVATIVE. DANIEL L. CROWLEY, doing business as Crowley Tar Products Company, New York, N. Y.
Filed February 21, 1927. Serial No. 244,671. PUBLISHED APRIL 19, 1927.

229,484. COFFEE. SAN ANTONIO COFFEE CO., San Antonio, Tex.
Filed February 21, 1927. Serial No. 244,722. PUBLISHED APRIL 19, 1927.

229,485. INSECTICIDE, LIQUID AND POWDER. AGATHA P. THOMSON, St. Louis, Mo.
Filed February 21, 1927. Serial No. 244,730. PUBLISHED APRIL 19, 1927.

229,486. CANNED OLIVES. ALBERS PACKING COMPANY, Riverside, Calif.
Filed February 23, 1927. Serial No. 244,735. PUBLISHED APRIL 12, 1927.

229,487. MONTHLY PUBLICATIONS. AUSTIN FLINT ASSOCIATION, INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,737. PUBLISHED APRIL 12, 1927.

229,488. BRUSHES—NAMELY, HAIR, HAT, CLOTH, NAIL, TOOTH, HAND, AND BABY BRUSHES. DU PONT VISCOLOID COMPANY, New York, N. Y.
Filed February 24, 1927. Serial No. 244,820. PUBLISHED APRIL 19, 1927.

229,489. MIXED PAINT. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky.
Filed February 24, 1927. Serial No. 244,829. PUBLISHED APRIL 12, 1927.

229,490. MIXED PAINT. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky.
Filed February 24, 1927. Serial No. 244,830. PUBLISHED APRIL 12, 1927.

229,491. COMPOSITE BOARD AND LUMBER. MACANDREWS & FORBES COMPANY, Camden, N. J., and New York, N. Y.
Filed January 14, 1927. Serial No. 242,840. PUBLISHED APRIL 12, 1927.

229,492. EYE REMEDIES AND EYE SALVE. THE MURINE COMPANY, INC., Chicago, Ill.
Filed January 17, 1927. Serial No. 242,959. PUBLISHED APRIL 19, 1927.

229,493. TOILET SOAP. BOURJOIS, INC., New York, N. Y.
Filed January 21, 1927. Serial No. 243,130. PUBLISHED APRIL 12, 1927.

229,494. DAILY NEWSPAPER. NOWY SWIAT PUBLISHING COMPANY INC., New York, N. Y.
Filed January 21, 1927. Serial No. 243,166. PUBLISHED APRIL 19, 1927.

229,495. PICKLE RELISH. ACKERMANN AND COMPANY, Atlanta, Ga.
Filed January 22, 1927. Serial No. 243,185. PUBLISHED APRIL 5, 1927.

229,496. PETROLEUM JELLY, INSECTICIDE, OLIVE OIL, CASTOR OIL, ANTISEPTIC, ETC. THE HOWELL COMPANY, INC., New Orleans, La.
Filed January 22, 1927. Serial No. 243,213. PUBLISHED APRIL 19, 1927.

229,497. PLANT SOIL. HYPER-HUMUS COMPANY, Newton, N. J.
Filed January 22, 1927. Serial No. 243,214. PUBLISHED APRIL 12, 1927.

229,498. PLANT SOIL. HYPER-HUMUS COMPANY, Newton, N. J.
Filed January 22, 1927. Serial No. 243,215. PUBLISHED APRIL 12, 1927.

229,499. PREPARED FOLIAGE FOR DECORATIVE PURPOSES. DAVID S. ANDERSON, doing business as Floral Decorative Materials Co. and D. S. Anderson Co., De Land, Fla.
Filed January 25, 1927. Serial No. 243,303. PUBLISHED APRIL 12, 1927.

229,500. SPECIFIC FOR PARASITES INFESTING THE HUMAN HAIR, SUCH AS ARE COMMONLY KNOWN AS CRABS AND HEAD LICE. W. H. S. LABORATORIES, Seattle, Wash.
Filed January 25, 1927. Serial No. 243,330. PUBLISHED APRIL 19, 1927.

229,501. WEEKLY NEWSPAPER. GLENDALE SHOPPING NEWS, Glendale, Calif.
Filed January 26, 1927. Serial No. 243,358. PUBLISHED APRIL 19, 1927.

229,502. WEEKLY NEWSPAPER. HUBERT W. MCGUIRE, doing business as San Diego Shopping News Co., San Diego, Calif.
Filed January 26, 1927. Serial No. 243,384. PUBLISHED APRIL 19, 1927.

229,503. PREPARATION FOR THE TREATMENT OF ASTHMA AND HAY FEVER. THE G. F. ALEXANDER CO., Portland, Me.
Filed January 27, 1927. Serial No. 243,407. PUBLISHED APRIL 19, 1927.

229,504. TOILET PREPARATIONS—NAMELY, BATH SALTS AND INCENSE. THE LOURAY COMPANY, Grand Rapids, Mich.
Filed January 31, 1927. Serial No. 243,613. PUBLISHED APRIL 19, 1927.

229,505. GERMICIDAL PREPARATION HAVING STIMULATING, HÆMOSTATIC, AND DEODORANT PROPERTIES. SAMUEL J. RUSSELL, doing business as Chlor-Vis Chemical Co., Chicago, Ill.
Filed January 31, 1927. Serial No. 243,626. PUBLISHED APRIL 19, 1927.

229,506. PUNCTURE-SEALING COMPOSITION FOR USE IN ALL PNEUMATIC TIRES. ARMOURITE (LABORATORIES) LTD., London, England.
Filed February 1, 1927. Serial No. 243,638. PUBLISHED APRIL 12, 1927.

229,507. ANNUAL PUBLICATION IN CONNECTION WITH WHICH MONTHLY SUPPLEMENTS ARE ALSO ISSUED. NATIONAL REGISTER PUBLISHING CO., INC., New York, N. Y.
Filed February 1, 1927. Serial No. 243,659. PUBLISHED APRIL 12, 1927.

229,508. POULTRY FOUNTAINS. AMERICAN STEEL PRODUCTS CO., Macomb, Ill.
Filed February 3, 1927. Serial No. 243,742. PUBLISHED APRIL 12, 1927.

229,509. SOAP FLAKES. CITRUS SOAP COMPANY OF CALIFORNIA, San Diego, Calif.
Filed February 3, 1927. Serial No. 243,750. PUBLISHED APRIL 12, 1927.

229,510. CEMENT. PETOSKEY PORTLAND CEMENT CO., Petoskey, Mich.
Filed February 3, 1927. Serial No. 243,775. PUBLISHED APRIL 19, 1927.

229,511. PRESERVED FISH. ANTONIO ALONSO, HIJOS, Vigo, Spain.
Filed March 23, 1926. Serial No. 229,019. PUBLISHED OCTOBER 19, 1926.

229,512. HAIRDRESSING. JOSEPH MESSINA, Brooklyn, N. Y.
Filed March 30, 1926. Serial No. 229,399. PUBLISHED APRIL 19, 1927.

229,513. TOILET PREPARATIONS, PARTICULARLY VEGETABLE BLEACH PACK, A BLEACH FOR FRECKLES AND TAN; MUSCLE OIL, EYE LOTION, CLEANSING CREAM, JELLY BRILLIANTINE, LIQUID BRILLIANTINE, PERMANENT-WAVE OIL, ALMOND SKIN CREAM, BLEACH CREAM, BASE FOR FACE POWDER, TISSUE CREAM, ORANGE FLEUR SKIN TONIC, ASTRINGENT, SKIN EMOLLIENT, EAU DE WAVER, A PREPARATION USED AS A DRESSING FOR THE HAIR. CHAS. A. STEVENS & BROS., Chicago, Ill.
Filed March 31, 1926. Serial No. 229,476. PUBLISHED APRIL 19, 1927.

229,514. WALL SAFES. MURPHY DOOR BED COMPANY OF CHICAGO, Chicago, Ill.
Filed April 7, 1926. Serial No. 229,808. PUBLISHED APRIL 19, 1927.

229,515. COMPOSITION MATERIAL IN POWDERED FORM FOR CONSTRUCTION AND INSULATING PURPOSES. UNIVERSAL GYPSUM COMPANY, now by change of name, Universal Gypsum & Lime Co., Chicago, Ill.
Filed April 7, 1926. Serial No. 229,835. PUBLISHED JUNE 29, 1926.

229,516. CANNED FRUITS, CANNED VEGETABLES, CANNED PORK AND BEANS, CANNED SALMON, COFFEE, COCOA, TEA, TABLE SIRUP, DRIED FRUITS, COTTONSEED COOKING OIL, PICKLES, RICE, BEANS (DRIED AND CANNED), BARLEY (CEREAL BREAKFAST FOOD), SALT CODFISH, CHEESE, HAM, BACON, MINCEMEAT, COOKIES, OLIVES, MAYONNAISE DRESSING, VINEGAR, AND CATCHUP. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed April 15, 1926. Serial No. 230,266. PUBLISHED APRIL 5, 1927.

229,517. PAPER WADDING. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis.
Filed April 16, 1926. Serial No. 230,295. PUBLISHED MAY 25, 1926.

229,518. A FORM OF PEAT MOSS USED FOR BEDDING FOR ANIMALS, PACKING MATERIAL FOR FOOD PRODUCTS IN GENERAL, AND ESPECIALLY FRUITS AND VEGETABLES; PACKING MATERIALS FOR BULBS AND NURSERY STOCK, AS AN INSULATION OR FILLER IN BUILDINGS, AND AS A SCRATCH MEDIUM FOR POULTRY. JULIUS LOEWITH, INC., New York, N. Y.
Filed May 4, 1926. Serial No. 231,113. PUBLISHED APRIL 12, 1927.

229,519. MATERIALS FOR CADMIUM PLATING, INCLUDING STICK CADMIUM, ELECTROLYTES, SALTS THEREFOR, ADDITION AGENTS THEREFOR, TEST-SET SOLUTIONS, AND BLOCK CADMIUM HAVING A STUD FASTENED THEREIN. UDYLITE PROCESS COMPANY, Kokomo, Ind.
Filed May 10, 1926. Serial No. 231,416. PUBLISHED APRIL 19, 1927.

229,520. PERIODICALS PUBLISHED MONTHLY. THE CHICAGO BRIDGE & IRON WORKS, Chicago, Ill.
Filed May 20, 1926. Serial No. 231,903. PUBLISHED APRIL 19, 1927.

229,521. PURE PATENT WHITE RYE FLOUR. FISHER & FALLGATTER, Waupaca, Wis.
Filed May 29, 1926. Serial No. 232,458. PUBLISHED MARCH 8, 1927.

229,522. STUFFED AND PLAIN DATES, DRIED FIGS (PLAIN AND STUFFED) IN CANS AND PACKAGES; PRESERVED AND CONSERVED CITRON, LEMON, AND ORANGE PEEL; NUT MEATS (PLAIN, SALTED, OR CANDIED), CRYSTALLIZED GINGER, RAISINS, DRIED CURRANTS (PACKAGED OR IN CANS), DRIED FRUITS OF ALL KINDS, AND HORSE-RADISH. BLACK PALM, INC., New York, N. Y.
Filed June 14, 1926. Serial No. 233,165. PUBLISHED APRIL 5, 1927.

229,523. STUFFED AND PLAIN DATES, DRIED FIGS (PLAIN AND STUFFED) IN CANS AND PACKAGES; PRESERVED AND CONSERVED CITRON, LEMON AND ORANGE PEEL; NUT MEATS (PLAIN, SALTED, OR CANDIED), CRYSTALLIZED GINGER, RAISINS, DRIED CURRANTS (PACKAGED OR IN CANS), DRIED FRUITS OF ALL KINDS, AND HORSE-RADISH. BLACK PALM, INC., New York, N. Y.
Filed June 14, 1926. Serial No. 233,166. PUBLISHED APRIL 5, 1927.

229,524. PRESSES AND FLASKS USED IN THE CURING OF DENTURES. THE OHIO CHEMICAL AND MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 15, 1926. Serial No. 234,592. PUBLISHED APRIL 12, 1927.

229,525. MEDICINAL PREPARATIONS FOR THE TREATMENT OF AMENORRHEA. YOUNGS RUBBER CORPORATION, INC., doing business as Parfumere Paulette, New York, N. Y.
Filed July 15, 1926. Serial No. 234,604. PUBLISHED APRIL 19, 1927.

229,526. MEDICINAL PREPARATIONS FOR THE TREATMENT OF AMENORRHEA. YOUNGS RUBBER CORPORATION, INC., New York, N. Y.
Filed July 15, 1926. Serial No. 234,606. PUBLISHED APRIL 19, 1927.

229,527. BEDS, COTS, COUCHES, AND CRIBS. MONTAUK BED CO. INC., Brooklyn, N. Y.
Filed July 20, 1926. Serial No. 234,789. PUBLISHED APRIL 19, 1927.

229,528. COTTON PLANTERS, GUANO DISTRIBUTORS, GRAIN AND FERTILIZER DRILLS, PLOWS, CULTIVATORS, HARROWS, AND STALK CUTTERS. GANTT MANUFACTURING COMPANY, Macon, Ga.
Filed August 6, 1926. Serial No. 235,643. PUBLISHED APRIL 19, 1927.

229,529. MEDICINE DROPPERS. THE WALTER F. WARE COMPANY, Camden, N. J., and Philadelphia, Pa.
Filed February 11, 1927. Serial No. 244,258. PUBLISHED APRIL 26, 1927.

229,530. CANDY. THE ROYAL CANDY COMPANY, Alliance, Ohio.
Filed March 9, 1927. Serial No. 245,453. PUBLISHED APRIL 19, 1927.

229,531. A MACHINE USED IN THE MANUFACTURE OF SODIUM-HYPOCHLORIDE SOLUTION. THE VALHALLA COMPANY, Chicago, Ill.
Filed March 9, 1927. Serial No. 245,461. PUBLISHED APRIL 19, 1927.

229,532. RAYON YARN. THE VISCOSE COMPANY, Marcus Hook, Pa.
Filed March 9, 1927. Serial No. 245,462. PUBLISHED APRIL 19, 1927.

229,533. INTERNAL HERB REMEDY IN TABLET FORM FOR THE TREATMENT OF THE BLOOD, KIDNEYS, AND LIVER. THE ALONZO O. BLISS MEDICAL COMPANY, Washington, D. C.
Filed March 10, 1927. Serial No. 245,466. PUBLISHED APRIL 19, 1927.

229,534. INTERNAL REMEDIES FOR THE TREATMENT OF THE BLOOD, KIDNEYS, AND LIVER. THE ALONZO O. BLISS MEDICAL COMPANY, Washington, D. C.
Filed March 10, 1927. Serial No. 245,468. PUBLISHED APRIL 19, 1927.

229,535. GINGER ALE. CURRAN & JOYCE CO., INC., Lawrence, Mass.
Filed March 10, 1927. Serial No. 245,477. PUBLISHED APRIL 19, 1927.

229,536. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. MILTON J. KRAFT, Springfield, Ohio.
Filed March 10, 1927. Serial No. 245,500. PUBLISHED APRIL 19, 1927.

229,537. ANTISEPTIC, GERMICIDE, DISINFECTANT, AND PROPHYLACTIC. SCOTT & BOWNE, Bloomfield, N. J.
Filed March 10, 1927. Serial No. 245,519. PUBLISHED APRIL 19, 1927.

229,538. PISTON CAPS. M. BACKES' SONS, INC., Wallingford, Conn.
Filed March 11, 1927. Serial No. 245,530. PUBLISHED APRIL 19, 1927.

229,539. PERFUMES, TOILET WATERS, FACE POWDER, TALCUM POWDER, BATH POWDER, AND BATH SALTS. S. S. PIERCE CO., Boston, Mass.
Filed March 11, 1927. Serial No. 245,580. PUBLISHED APRIL 19, 1927.

229,540. CHEWING AND SMOKING TOBACCO. CHARLES G. RANGOS, doing business as The Spearmint Tobacco Co., Wellsburg, W. Va.
Filed March 11, 1927. Serial No. 245,583. PUBLISHED APRIL 19, 1927.

229,541. FRESH CITROUS FRUITS AND FRESH VEGETABLES. SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla.
Filed March 11, 1927. Serial No. 245,587. PUBLISHED APRIL 19, 1927.

229,542. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed March 11, 1927. Serial No. 245,593. PUBLISHED APRIL 19, 1927.

229,543. CIGARS. ZELDA GOODMAN, doing business as J. Goodman, St. Louis, Mo.
Filed March 12, 1927. Serial No. 245,628. PUBLISHED APRIL 19, 1927.

229,544. SILK PIECE GOODS. HATTOCK-CRONEMEYER CO., Easton, Pa.
Filed March 12, 1927. Serial No. 245,640. PUBLISHED APRIL 19, 1927.

229,545. TEXTILE RUGS. KENT-COSTIKYAN TRADING COMPANY, INC., New York, N. Y.
Filed March 14, 1927. Serial No. 245,724. PUBLISHED APRIL 19, 1927.

229,546. CHAMPAGNE WINES. LANSON PERE & FILS (SOCIETE A RESPONSABILITE LIMITEE), Rheims, France.
Filed March 14, 1927. Serial No. 245,732. PUBLISHED APRIL 19, 1927.

229,547. HANDKERCHIEFS. SULLIVAN SMYTHFIELD COMPANY, Philadelphia, Pa.
Filed March 15, 1927. Serial No. 245,813. PUBLISHED APRIL 19, 1927.

229,548. JAMS, JELLIES, FRUIT BUTTERS, CANNED FRUITS, AND CANNED VEGETABLES. PACIFIC NORTHWEST CANNING COMPANY, Puyallup, Wash.
Filed November 15, 1926. Serial No. 240,088. PUBLISHED APRIL 19, 1927.

229,549. HEALING AND DEODORIZING VAGINAL BATH COMPOUND. DEAN MORLAN, doing business as Kosan Co., Hollywood, Calif.
Filed November 16, 1926. Serial No. 240,147. PUBLISHED APRIL 5, 1927.

229,550. SHOE FORMS. THE SHOE FORM CO., INC., Auburn, N. Y.
Filed November 17, 1926. Serial No. 240,220. PUBLISHED APRIL 19, 1927.

229,551. SAWDUST AND SHAVINGS. NATIONAL SAWDUST CO., INC., Brooklyn, N. Y.
Filed November 22, 1926. Serial No. 240,432. PUBLISHED APRIL 19, 1927.

229,552. GINGER ALE. NATURAL DRY GINGER ALE CORP., Rochester, N. Y.
Filed November 22, 1926. Serial No. 240,434. PUBLISHED APRIL 19, 1927.

229,553. ELECTROMAGNETIC THERAPEUTICAL COILS. ALPHONSE J. C. BERNARD, San Francisco, Calif.
Filed November 24, 1926. Serial No. 240,520. PUBLISHED APRIL 19, 1927.

229,554. CANDY, CHOCOLATE, COCOA, GROUND CHOCOLATE AND COCOA, AND PEANUT BUTTER. J. G. MCDONALD CHOCOLATE CO., Salt Lake City, Utah.
Filed November 26, 1926. Serial No. 240,613. PUBLISHED APRIL 5, 1927.

229,555. MEDICINAL PREPARATION FOR USE AS A LAXATIVE AND RECOMMENDED FOR TREATMENT OF COLDS, LA GRIPPE, AND HEADACHE. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed November 26, 1926. Serial No. 240,634. PUBLISHED APRIL 19, 1927.

229,556. TRUNKS, VALISES, TRAVELING BAGS, AND AUTO TRUNKS. RAISON SOCIALE LES FILS DE S. T. DUPONT, Paris, France.
Filed December 2, 1926. Serial No. 240,877. PUBLISHED APRIL 12, 1927.

229,557. BITUMINOUS MACADAM PAVEMENT. AMIESITE ASPHALT LIMITED, Montreal, Quebec, Canada.
Filed December 6, 1926. Serial No. 241,021. PUBLISHED APRIL 12, 1927.

229,558. COUGH MIXTURE. BENJAMIN F. SPROAT, doing business as Sproat's Drug Store, Chillicothe, Ohio.
Filed December 9, 1926. Serial No. 241,247. PUBLISHED APRIL 19, 1927.

229,559. FERROUS CASTINGS. THE WEST STEEL CASTING COMPANY, Cleveland, Ohio.
Filed December 9, 1926. Serial No. 241,249. PUBLISHED APRIL 12, 1927.

229,560. THREAD. THE GARDINER HALL JR. COMPANY, South Willington, Conn., and New York, N. Y.
Filed February 28, 1927. Serial No. 245,001. PUBLISHED APRIL 19, 1927.

229,561. THREAD. THE GARDINER HALL JR. COMPANY, South Willington, Conn., and New York, N. Y.
Filed February 28, 1927. Serial No. 245,002. PUBLISHED APRIL 19, 1927.

229,562. THREAD. THE GARDINER HALL JR. COMPANY, South Willington, Conn., and New York, N. Y.
Filed February 28, 1927. Serial No. 245,005. PUBLISHED APRIL 19, 1927.

229,563. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WESTCHESTER BOTTLING WORKS, New Rochelle, N. Y.
Filed March 2, 1927. Serial No. 245,125. PUBLISHED APRIL 19, 1927.

229,564. SHOE OIL. THEO. BERGMANN SHOE MANUFACTURING CO., Portland, Oreg.
Filed March 3, 1927. Serial No. 245,134. PUBLISHED APRIL 12, 1927.

229,565. ELECTROTHERAPEUTIC BELT. SAM LEPPERT, Portland, Oreg.
Filed March 3, 1927. Serial No. 245,151. PUBLISHED APRIL 12, 1927.

229,566. LACQUERS. THE MORGAN COMPANY, Peoria, Ill.
Filed March 3, 1927. Serial No. 245,155. PUBLISHED APRIL 12, 1927.

229,567. WATER-SOLUBLE PREPARATIONS CONTAINING CELL-BUILDING PROTEIN SUBSTANCES IN THE FORM OF A POWDER OR AMPULS OR CAPSULES CONTAINING THE POWDER OR AMPULS CONTAINING A SOLUTION OF THE POWDER. JOHANN ABRAHAM VON WULFING, Berlin, Germany.
Filed March 3, 1927. Serial No. 245,171. PUBLISHED APRIL 19, 1927.

229,568. WOOD, COAL, GAS, OIL, AND VAPOR STOVES AND RANGES. AMERICAN RANGE CORPORATION, Shakopee, Minn.
Filed March 4, 1927. Serial No. 245,182. PUBLISHED APRIL 19, 1927.

229,569. CAKES, BREAD, COOKIES, CRACKERS, WAFERS, SNAPS, DOUGHNUTS, AND PIES. PURITY-ANN BAKING COMPANY, Bloomington, Ill.
Filed March 4, 1927. Serial No. 245,225. PUBLISHED APRIL 12, 1927.

229,570. FERTILIZING MATERIALS. OTTO WITTBOLD NURSERY, Chicago, Ill.
Filed March 4, 1927. Serial No. 245,238. PUBLISHED APRIL 19, 1927.

229,571. COFFEE. FLETCHER-WILSON COFFEE CO., Nashville, Tenn.
Filed March 5, 1927. Serial No. 245,262. PUBLISHED APRIL 19, 1927.

229,572. HAND BAG OR NOVELTY POCKETBOOK. LYMAN D. HALL, New York, N. Y.
Filed March 5, 1927. Serial No. 245,270. PUBLISHED APRIL 12, 1927.

229,573. COUPLERS. NATIONAL MALLEABLE AND STEEL CASTINGS COMPANY, Cleveland, Ohio.
Filed March 5, 1927. Serial No. 245,285. PUBLISHED APRIL 19, 1927.

229,574. LIP STICK. RICHARD HUDNUT, New York, N. Y.
Filed March 7, 1927. Serial No. 245,848. PUBLISHED APRIL 19, 1927.

229,575. PRESERVED AND CANNED RAISINS AND GRAPES. THE RUBIETTE CO., San Francisco, Calif.
Filed March 7, 1927. Serial No. 245,873. PUBLISHED APRIL 19, 1927.

229,576. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed March 7, 1927. Serial No. 245,888. PUBLISHED APRIL 19, 1927.

229,577. SUGAR-MILL IMBIBITION DEVICES. FAREL FOUNDRY & MACHINE COMPANY, Ansonia, Conn., and Buffalo, N. Y.
Filed March 8, 1927. Serial No. 245,893. PUBLISHED APRIL 19, 1927.

229,578. COMPLEXION BRUSHES, HAIRBRUSHES, BABIES' HAIRBRUSHES, BATH BRUSHES, FLESH BRUSHES, MANICURE BRUSHES, HAND BRUSHES, SHAMPOO BRUSHES, TOOTHBRUSHES, AND BODY BRUSHES. ARTHUR W. HAHN, New York, N. Y.
Filed March 8, 1927. Serial No. 245,395. PUBLISHED APRIL 19, 1927.

229,579. LAXATIVE. H. R. LATHROP & CO. INC., Augusta, Me., and New York, N. Y.
Filed March 8, 1927. Serial No. 245,402. PUBLISHED APRIL 19, 1927.

229,580. FERROUS CASTINGS. THE WEST STEEL CASTING COMPANY, Cleveland, Ohio.
Filed December 9, 1926. Serial No. 241,250. PUBLISHED APRIL 12, 1927.

229,581. FERROUS CASTINGS. THE WEST STEEL CASTING COMPANY, Cleveland, Ohio.
Filed December 13, 1926. Serial No. 241,456. PUBLISHED APRIL 12, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

229,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash. Filed Apr. 25, 1927. Serial No. 247,981.

BLEWETT

Particular description of goods.—Canned Fruits.
Claims use since Aug. 1, 1925.

229,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Jan. 19, 1927. Serial No. 243,042.

OUR OWN

Particular description of goods.—Coffee.
Claims use since June 1, 1911.

229,584. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEALTH-SWEETS COMPANY, Battle Creek, Mich. Filed May 25, 1926. Serial No. 232,203.

A FEAST
OF YEAST
AND A
DANDY
BRAN
CANDY

Particular description of goods.—Candy.
Claims use since May 12, 1926.

229,585. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER D'ARCY RYAN, Schenectady, N. Y. Filed May 18, 1926. Serial No. 231,814.

Ryan-Lite

Particular description of goods.—Electric Headlight for Automotive Vehicles.
Claims use since May 11, 1926.

229,586. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PLYMOUTH COAL COMPANY, Chicago, Ill. Filed Mar. 19, 1927. Serial No. 246,050.

BLACK LUSTRE

Particular description of goods.—Coal.
Claims use since January, 1925.

229,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOERR BROS. Co., Rockford, Ill. Filed Mar. 3, 1926. Serial No. 228,031.

Doerr's MYTY GOOD

Particular description of goods.—Chocolate Nut Bars.
Claims use since January, 1916.

LABELS

REGISTERED JUNE 28, 1927.

32,339.—*Title:* AMERICAN BEAUTY. For Mirrors. LOUIS BIERFELD COMPANY, NOT INC., Chicago, Ill. Published March 25, 1927.

32,340.—*Title:* FLY-SOL. For Insecticides. BALCKSTONE MANUFACTURING COMPANY, doing business as Fly-Sol Corporation, Newark, N. J. Published May 2, 1927.

32,341.—*Title:* CHERRY COCKTAIL. For a Chocolate Bottle. JUST BORN, INC., Brooklyn, N. Y. Published January 3, 1927.

32,342.—*Title:* TEXASPHALTIC AUTO TOP DRESSING. For Auto Top Dressing. GORDON S. BOWDISH, New Orleans, La. Published March 27, 1927.

32,343.—*Title:* TEXASPHALTIC (UNDER) FENDER & CHASSIS PAINT. For Fender and Chassis Paint. GORDON S. BOWDISH, New Orleans, La. Published March 27, 1927.

32,344.—*Title:* QUALITY QUEEN. For Candy. THE CHICKY MANUFACTURING CO., Grand Rapids, Mich. Published April 15, 1927.

32,345.—*Title:* CLINCO, THE MAGICAL CLEANER. For Magical Cleaner. CLINCO LABORATORIES, INC., Marlton, N. J., and Philadelphia, Pa. Published April 23, 1927.

32,346.—*Title:* RAY-DEX. For Radium Healing Stone. STEPHEN B. DEXTER, Los Angeles, Calif. Published October 28, 1926.

32,347.—*Title:* BLACK BEAR AUTO TOP ENAMEL. For Automobile Top Enamel. HERBERT E. DICKINSON, doing business as Auto Top Enamel Co., Eugene, Oreg. Published March 30, 1927.

32,348.—*Title:* EL TORO CLUB MILD QUALITY ENCHILADAS. For El Toro Club Mild Quality Enchiladas. EL TORO TAMALE & ENCHILADA CO., San Francisco, Calif. Published May 4, 1927.

32,349.—*Title:* FALK'S THE ORIGINAL KAMFOR KREME AN ANTISEPTIC AND HEALING LOTION FOR THE SKIN. For a Preparation for the Skin. FALK CORPORATION, Minneapolis, Minn. Published January 1, 1927.

32,350.—*Title:* ROSE'S HAIR TINT. For Hair Tint. ROSE M. GLANCY, Brooklyn, N. Y. Published September 5, 1924.

32,351.—*Title:* #1 WITE-WOOD. For Envelopes. GROVETON PAPER COMPANY, INC., Groveton, N. H. Published April 12, 1927.

32,352.—*Title:* ORIENTAL. For Package Coffee. HANLEY & KINSELLA COFFEE & SPICE COMPANY, St. Louis, Mo. Published February 4, 1926.

32,353.—*Title:* JINKS. For Candy. THE WM. M. HARDIE CO., Cleveland, Ohio. Published April 19, 1927.

32,354.—*Title:* HOLLYWOOD. For Hosiery. HARRINGTON AND WARING, New York, N. Y. Published November 15, 1926.

32,355.—*Title:* EL-MORRO. For Fresh Pineapples. HAVANA FRUIT COMPANY, Chicago, Ill. Published May 19, 1927.

32,356.—*Title:* THE GERMAN CHEMIST ECZEMA SALVE. For a Salve. WM. JOHN JONES, Detroit, Mich. Published January 1, 1927.

32,357.—*Title:* SOFTO. For Water Softeners. LA FRANCE MANUFACTURING COMPANY, Philadelphia, Pa. Published April 22, 1927.

32,358.—*Title:* APRICOATING THE BAKER'S FAVORITE APRICOT-GLACE. For Coatings for Pastries, Fruit Tarts, Cakes, Creams, Meringues, Etc. ADOLF J. MAINZER, INC., New York, N. Y. Published November 10, 1926.

32,359.—*Title:* SUNRISE EGGS. For Eggs. MENASHA PRINTING AND CARTON COMPANY, assignor to Sunrise Egg Producers Co-Operative, Inc., New York, N. Y. Published February 1, 1927.

32,360.—*Title:* STICKTITE STICKERS. For Stickers. MOORE-LANGEN PRINTING & PUBLISHING CO., also doing business as The Moore-Langen Label Company, Terre Haute, Ind. Published April 20, 1927.

32,361.—*Title:* MORRELL'S PURE LARD. For Lard. JOHN MORRELL & CO., Ottumwa, Iowa. Published April 28, 1927.

32,362.—*Title:* NO-PUNCTURE-LEAK. For a Compound for Stopping Air Leaks from Automobile Tires. NO-PUNCTURE LEAK CO., Fayette, Idaho. Published April 8, 1927.

32,363.—*Title:* PETERS JEL-E-ETTS. For Candies. HOWARD J. PETERS, Chicago, Ill. Published March 15, 1927.

32,364.—*Title:* BRIGHTEN-UP. For Washing Powder. POLAND SOAP WORKS, Anniston, Ala. Published May 9, 1927.

32,365.—*Title:* FLORESSENCE CONCENTRATED COCOANUT SHAMPOO. For Packaged Cakes of Solidified Shampoo. FRANK C. SLAGLE, doing business as Ex-Kre-Nol Medicine Co., Rochester, N. Y. Published May 16, 1927.

32,366.—*Title:* WHEAT-ELITE. For Prepared Cereals. THE WHEAT-O-MINE CO., Los Angeles, Calif. Published January 15, 1927.

32,367.—*Title:* DIAMOND BRAND. For Barley-Malt-Extract Sirup. ALBERT YEAGER, doing business as Lorain Home Supply Store, Lorain, Ohio. Published April 16, 1927.

32,368.—*Title:* PREMIUM. For Bread. GEORGE J. YENTZEN, doing business as Nederland Bakery, Nederland, Tex. Published May 14, 1927.

PRINTS

REGISTERED JUNE 28, 1927.

9,985.—*Title:* THE EMERALD CHOKER NECKLACE AND THE EMERALD BRACELET. For Jewelry. BLACK, STARR & FROST, New York, N. Y. Published May 15, 1927.

9,986.—*Title:* NO PULLING OF UNDERSHIRTS OVER HEADS. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 12, 1927.

9,987.—*Title:* ONE WAY ONLY. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 17, 1927.

9,988.—*Title:* WHAT DO THE LETTERS STAND FOR? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 18, 1927.

9,989.—*Title:* AS IF TAILORED TO YOUR MEASURE. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 13, 1927.

9,990.—*Title:* COOL AND CONVENIENT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 24, 1927.

9,991.—*Title:* GET ALL THIS FARE COMFORT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 24, 1927.

9,992.—*Title:* EXCLUSIVE CROTCH COMFORT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 26, 1927.

9,993.—*Title:* CERTIFIED HEATING ASSURES COMFORT. For Heating Apparatus. HEATING AND PIPING CONTRACTORS NATIONAL ASSOCIATION, New York, N. Y. Published April 18, 1927.

9,994.—*Title:* AGAIN BEFORE 3,000,000 BUYERS OF THE 'POST.' For Automobile Lamps. INDIANA LAMP CORPORATION, Connersville, Ind. Published April 30, 1927.

9,995.—*Title:* NOW! A FURNITURE POLISH THAT LEAVES NO GREASY FILM. For Liquid Veneer. LIQUID VENEER CORP., Buffalo, N. Y. Published February 15, 1927.

9,996.—*Title:* NATIONAL TIRE STORES, INCORPORATED—THE SIGN OF GOOD TIRES. For Tires. NATIONAL TIRE STORES, INCORPORATED, Denver, Colo. Published January 10, 1927.

9,997.—*Title:* ALPINE EVAPORATED MILK—BETTER BREADS AND CAKES. For Evaporated Milk and Condensed Milk. NESTLE'S FOOD COMPANY, INC., San Francisco, Calif., and New York, N. Y. Published May 6, 1927.

9,998.—*Title:* ALPINE EVAPORATED MILK—SO DELICIOUS. For Evaporated Milk and Condensed Milk. NESTLE'S FOOD COMPANY, INC., San Francisco, Calif., and New York, N. Y. Published May 6, 1927.

9,999.—*Title:* ALPINE EVAPORATED MILK—THERE'S CREAM IN EVERY DROP. For Evaporated Milk and Condensed Milk. NESTLE'S FOOD COMPANY, INC., San Francisco, Calif., and New York, N. Y. Published May 6, 1927.

10,000.—*Title:* ALPINE EVAPORATED MILK—MORE ECONOMICAL. For Evaporated Milk and Condensed Milk. NESTLE'S FOOD COMPANY, INC., San Francisco, Calif., and New York, N. Y. Published May 6, 1927.

10,001.—*Title:* A CANDY SPECIALLY MADE FOR GRACIOUS GIVING. For Candy. NORRIS, INC., Atlanta, Ga. Published December 11, 1926.

10,002.—*Title:* FRONT TEETH—BACK TEETH ALL ARE SMILING TEETH WHEN YOU USE PROPHY-LAC-TIC. For Prophylactic Toothbrushes. PROPHYLACTIC BRUSH COMPANY, Florence, Mass. Published March 17, 1927.

10,003.—*Title:* AVOID HIT-OR-MISS BRUSHING PROPHY-LAC-TIC IS DESIGNED TO REACH AND CLEAN ALL YOUR TEETH. For Prophylactic Toothbrushes. PROPHYLACTIC BRUSH COMPANY, Florence, Mass. Published February 17, 1927.

10,004.—*Title:* THE STORY OF THE KNIFE NO. 3. For Silverware. REED & BARTON, Taunton, Mass. Published May 1, 1927.

10,005.—*Title:* SUPER GLOW RAYON FABRICS. For Rayon Materials (Textile Fabrics). HENRY ROSENZWEIG & CO., INC., New York, N. Y. Published May 6, 1927.

10,006.—*Title:* JOHN HENRY STORES, INC. J H S SERVICE. For Carpets. JOHN HENRY STORES, INC., Newark, N. J. Published May 16, 1927.

10,007.—*Title:* THE CUSTOM BUILT COATED FABRIC. For Substitute-Leather Fabric. TEXTILEATHER CO. INC., Newark, N. J. Published December 2, 1926.

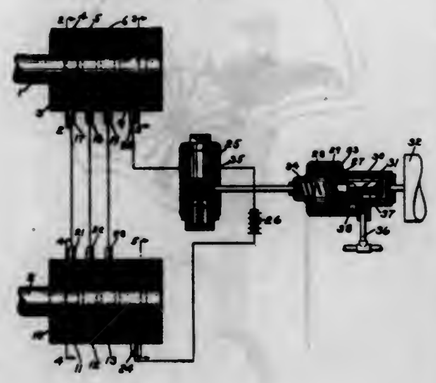
10,008.—*Title:* THE EICKHOFF JIGGING CONVEYOR—TAKES THE GRUNT OUT OF MINING. For Conveyers. RAYMOND A. WALTER, doing business as Conveyor Sales Co., Inc., New York, N. Y. Published March 10, 1927.

10,009.—*Title:* JIGGING CONVEYOR EICKHOFF. For Conveyers. RAYMOND A. WALTER, doing business as Conveyor Sales Co., Inc., New York, N. Y. Published February 24, 1927.

REISSUES

JUNE 28, 1927.

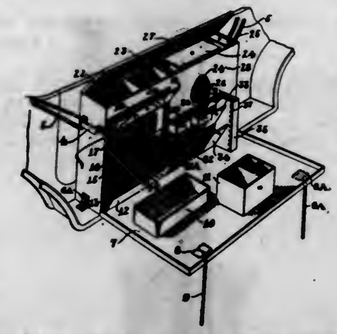
16,663. TRAIN-CONTROL DEVICE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 7, 1927. Serial No. 173,504. Original No. 1,569,155, dated Jan. 12, 1926, Serial No. 701,377, filed Mar. 24, 1924. 8 Claims. (Cl. 303—20.)



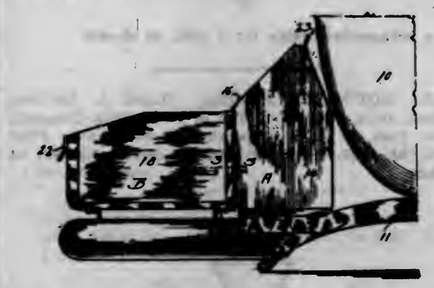
1. In an electric circuit controlling mechanism, the combination with two rotating elements, each carrying a plurality of contact segments, of a contact engaging the contact segments of each rotating element and adapted to maintain an electric circuit closed so long as said elements rotate in synchronism, the circuit being opened upon failure of one element to rotate.

16,664. TOURIST'S KITCHENETTE OR CABINET. LOU SHIELDS GILMORE, Los Angeles, Calif., assignor, by mesne assignments, to Tourist Supply Company, Los Angeles, Calif., a Corporation of Delaware. Filed Jan. 19, 1925. Serial No. 3,508. Original No. 1,502,096, dated July 22, 1924, Serial No. 588,596, filed Sept. 16, 1922. 2 Claims. (Cl. 190—12.)

1. A device of the character stated comprising a casing, a closure at the front, a multiplicity of compartments accessible when said closure is open, a hinged top and compartments accessible when said top is opened, said compartments including an ice receptacle and a drinking-water container, a series of compartments intermediate the front and top compartments, and an independent closure therefor, said last named closure being in position to be concealed by the first named closure when closed.



16,665. AUTOMOBILE TRUNK. ERNEST A. ARNDT, Sioux City, Iowa. Filed May 26, 1927. Serial No. 194,269. Original No. 1,594,235, dated July 27, 1926, Serial No. 51,621, filed Aug. 21, 1925. 15 Claims. (Cl. 224—29.)



1. A trunk of the class described, comprising a fixed trunk member, open at the rear and adapted to be rigidly secured to the rear portion of a vehicle, a movable trunk member adapted to move relative to the fixed trunk member, to disclose the contents thereof, to a substantially horizontal position serving, in conjunction with the fixed trunk member, as a luggage carrier in that position, and a spare tire carrier secured to the movable trunk member and movable therewith.

DESIGNS

JUNE 28, 1927.

72,924. POST. HENRY BARKSCHAT, Los Angeles, Calif., assignor to Marbelite Corporation of America, Los Angeles, Calif., a Corporation of Delaware. Filed Mar. 29, 1926. Serial No. 17,098. Term of patent 14 years.



The ornamental design for a post, as shown.

72,925. HOT-WATER BOTTLE. HARRY A. BAUMAN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 24, 1927. Serial No. 21,312. Term of patent 14 years.



The ornamental design for a hot water bottle as shown.

72,926. BATHING CAP. HARRY A. BAUMAN and ROBERT M. PIERSON, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 4, 1927. Serial No. 21,456. Term of patent 14 years.



The ornamental design for a bathing cap as shown.

72,927. CHANDELIER. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,982. Terms of patent 3½ years.



The ornamental design for a chandelier, as shown.

72,928. ELECTRIC SOCKET COVER. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,983. Term of patent 3½ years.



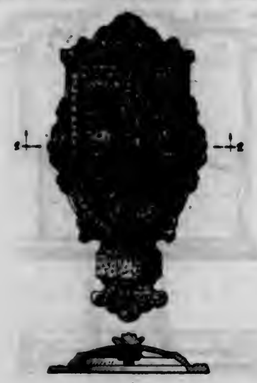
The ornamental design for an electric socket cover, as shown.

72,929. ARM FOR A CHANDELIER BODY. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,984. Term of patent 3½ years.



The ornamental design for an arm for a chandelier body, as shown.

72,930. ELECTRIC WALL-BRACKET PLATE. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 10, 1927. Serial No. 21,084. Term of patent 3½ years.



The ornamental design for an electric wall bracket plate, as shown.

72,931. ELECTRIC CANDLE CUP. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 10, 1927. Serial No. 21,085. Term of patent 3½ years.



The ornamental design for an electric candle cup, as shown.

72,932. ELECTRIC WALL-BRACKET PLATE. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 17, 1927. Serial No. 21,162. Term of patent 3½ years.



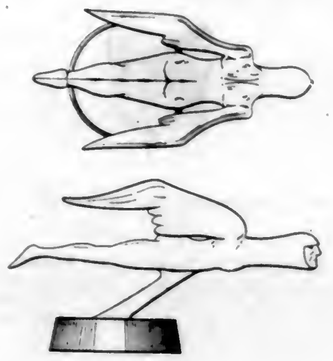
The ornamental design for an electric wall bracket plate, as shown.

72,933. HEARTH BROOM. HILDA BROADWOOD, Mobile, Ala. Filed Feb. 15, 1927. Serial No. 20,772. Term of patent 7 years.



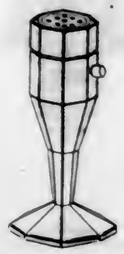
The ornamental design for a hearth broom, as shown.

72,934. ORNAMENT FOR RADIATOR CAPS. ANDRÉ CHERON-DUVAL, Hollywood, Calif. Filed Oct. 21, 1926. Serial No. 19,440. Term of patent 7 years.



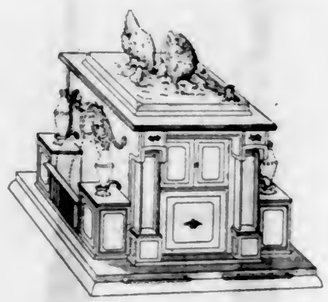
The ornamental design for an ornament for radiator caps, as shown.

72,935. CIGAR LIGHTER. JOSEPH H. COHEN, Bridgeport, Conn. Filed Feb. 15, 1927. Serial No. 20,767. Term of patent 14 years.



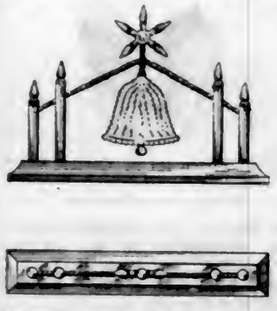
The ornamental design for a cigar lighter, as shown.

72,936. CONTAINER FOR TABLE SERVICE. PATRICIO L. EBARLE, San Francisco, Calif. Filed Feb. 23, 1927. Serial No. 20,848. Term of patent 3½ years.



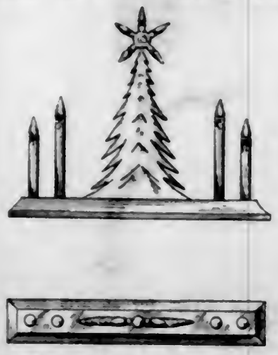
The ornamental design for a container for table service, as shown.

72,937. CHRISTMAS DECORATIVE LIGHTING FIXTURE. HENRY M. ROSENDAL DAM, Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,114. Term of patent 14 years.



The ornamental design for a Christmas decorative lighting fixture, as shown.

72,938. CHRISTMAS DECORATIVE LIGHTING FIXTURE. HENRY M. ROSENDAL DAM, Brooklyn, N. N. Y., assignor to Noma Electric Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,115. Term of patent 14 years.



The ornamental design for a Christmas decorative lighting fixture, as shown.

72,939. CHRISTMAS DECORATIVE LIGHTING FIXTURE. HENRY M. ROSENDAL DAM, Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,116. Term of patent 14 years.



The ornamental design for a Christmas decorative lighting fixture, as shown.

72,940. BUTTERFLY ORNAMENT FOR GARMENTS. EDNA DANIELSON, Berkeley, Calif. Filed Feb. 16, 1927. Serial No. 20,788. Term of patent 7 years.



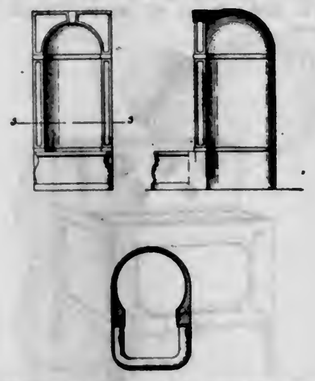
The ornamental design for a butterfly ornament for garments substantially as shown.

72,941. VANITY CASE. MARTIN C. DE BOTELHO, New York, N. Y. Filed Mar. 19, 1927. Serial No. 21,211. Term of patent 7 years.



The ornamental design for a vanity case as shown.

72,942. COMBINED BATHTUB AND SHOWER CASING. FRANK FOST, Glen Ridge, N. J. Filed Oct. 20, 1926. Serial No. 19,436. Term of patent 14 years.



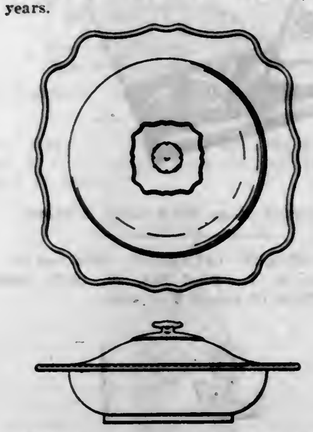
The ornamental design for a combined bathtub and shower casing substantially as shown.

72,943. NOVELTY BOX. BERNHARDT FRIEDMAN, New Orleans, La. Filed July 21, 1926. Serial No. 18,444. Term of patent 7 years.



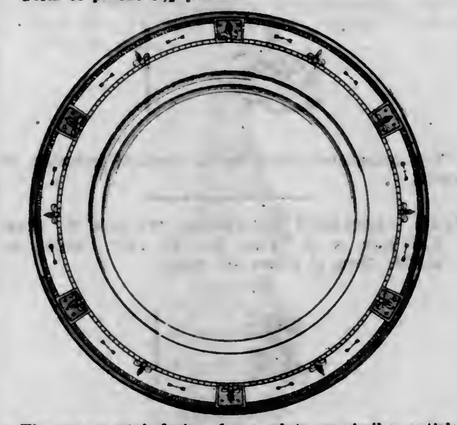
The ornamental design for a novelty box as shown.

72,944. VEGETABLE DISH OR SIMILAR ARTICLE. JOSEPH HARRISON, Tunstall, Stoke-on-Trent, England. Filed Mar. 4, 1927. Serial No. 20,965. Term of patent 3½ years.



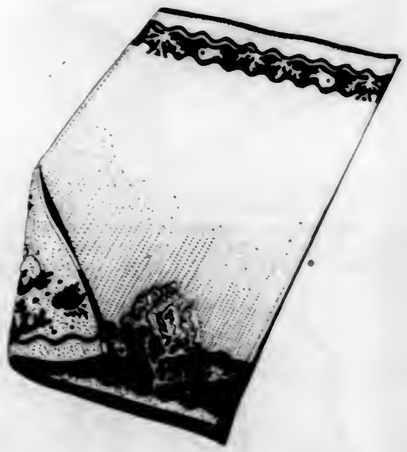
The ornamental design for a vegetable dish or similar article, as shown.

72,945. PLATE OR SIMILAR ARTICLE. AUGUST HASHAGEN, New York, N. Y., assignor to The Alliance Vitrified China Company, Alliance, Ohio, a Corporation of Ohio. Filed Mar. 21, 1927. Serial No. 21,221. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

72,946. TOWEL. WILMOT E. HEITLAND, Noroton Heights, Conn., assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa., a Firm composed of William H. Margerison and Albert E. Margerison. Filed Apr. 28, 1927. Serial No. 21,778. Term of patent 3½ years.



The ornamental design for a towel, as shown.

72,947. APPLIQUÉ TRIMMING. WILLIAM W. HOBE, New York, N. Y. Filed Feb. 26, 1927. Serial No. 20,907. Term of patent 3½ years.



The ornamental design for an appliqué trimming, as shown.

72,948. APPLIQUÉ TRIMMING. WILLIAM W. HOBE, New York, N. Y. Filed Feb. 26, 1927. Serial No. 20,908. Term of patent 3½ years.



The ornamental design for an appliqué trimming, as shown.

72,949. APPLIQUÉ TRIMMING. WILLIAM W. HOBE, New York, N. Y. Filed Feb. 26, 1927. Serial No. 20,909. Term of patent 3½ years.



The ornamental design for an appliqué trimming, as shown.

72,950. LAMP. JOSEPH T. JARET, Brooklyn, N. Y., assignor to Sun-Ray Lighting Products Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1927. Serial No. 21,388. Term of patent 7 years.



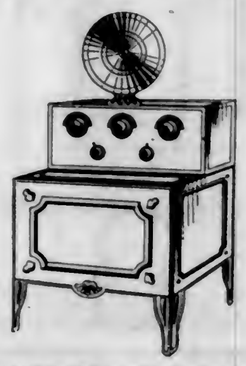
The ornamental design for a lamp as shown.

72,951. BOTTLE. ARTHUR H. JOHNSON, Woburn, Mass. Filed Apr. 10, 1925. Serial No. 13,082. Term of patent 14 years.



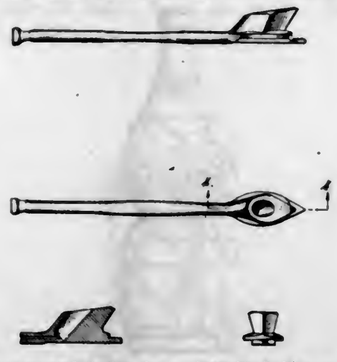
The ornamental design for a bottle, as shown.

72,952. BOX. EUGENE KRAMER, Astoria, N. Y. Filed Dec. 15, 1926. Serial No. 20,055. Term of patent 3½ years.



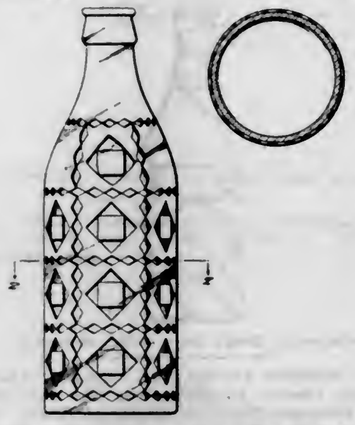
The ornamental design for a box, as shown.

72,953. CIGARETTE HOLDER. JOE M. MARTINEZ, Detroit, Mich. Filed Feb. 27, 1926. Serial No. 16,691. Term of patent 14 years.



The ornamental design for a cigarette holder as shown.

72,954. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 6, 1926. Serial No. 17,579. Term of patent 14 years.



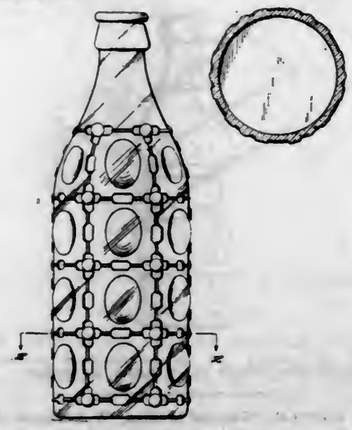
The ornamental design for a bottle, as shown.

72,955. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 6, 1926. Serial No. 17,580. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,956. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 6, 1926. Serial No. 17,581. Term of patent 14 years.



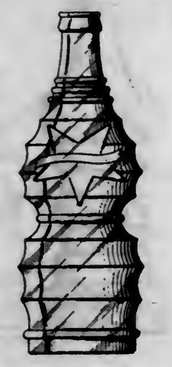
The ornamental design for a bottle, as shown.

72,957. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,641. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,958. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,645. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,959. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,646. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,960. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,648. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,961. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,650. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,962. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,651. Term of patent 14 years.



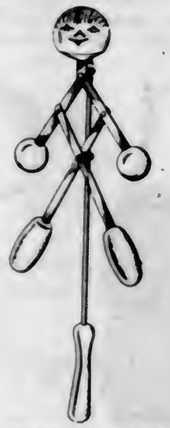
The ornamental design for a bottle, as shown.

72,963. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed May 11, 1926. Serial No. 17,653. Term of patent 14 years.



The ornamental design for a bottle, as shown.

72,964. JOINTED FIGURE TOY. CHARLES HAMILTON PAJEAU, Glencoe, Ill., assignor to The Toy Tinkers, Inc., Evanston, Ill., a Corporation of Illinois. Filed Oct. 6, 1926. Serial No. 19,252. Term of patent 3½ years.



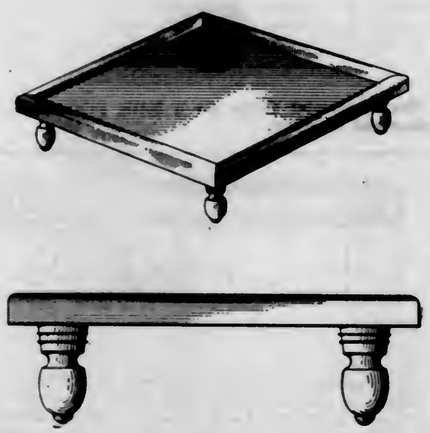
The ornamental design for a jointed figure toy, as shown.

72,965. POCKET LIGHTER. ALFRED F. REILLY, Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a Corporation of Massachusetts. Filed Mar. 9, 1927. Serial No. 21,071. Term of patent 7 years.



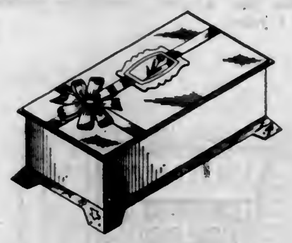
The ornamental design for a pocket lighter as shown.

72,966. TRAY. FLORENCE M. ROSIN, Philadelphia, Pa. Filed Feb. 3, 1927. Serial No. 20,600. Term of patent 8½ years.



The ornamental design for a tray, as shown.

72,967. BOX. FRANK J. SCHLEICHER, St. Louis, Mo. Filed Apr. 2, 1927. Serial No. 21,436. Term of patent 7 years.



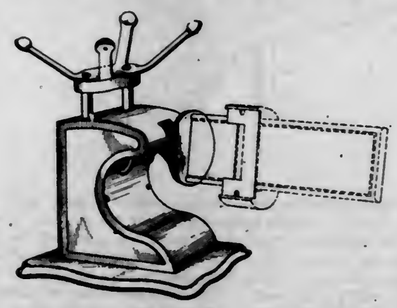
The ornamental design for a box, substantially as shown.

72,968. GOBLET OR SIMILAR ARTICLE. ERNEST C. SCHRADER, Morgantown, W. Va., assignor to Economy Glass Company, Morgantown, W. Va., a Corporation of West Virginia. Filed Jan. 31, 1927. Serial No. 20,553. Term of patent 3½ years.



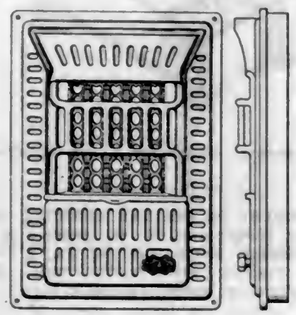
The ornamental design for a goblet, or similar article as shown and described.

72,969. SCALE CASING. FRANK A. SCHULTZ, Chicago, Ill., assignor to Pelouse Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1927. Serial No. 21,181. Term of patent 14 years.



The ornamental design for a scale casing as shown.

72,970. GAS HEATER. WILLIAM L. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 4, 1927. Serial No. 20,968. Term of patent 7 years.



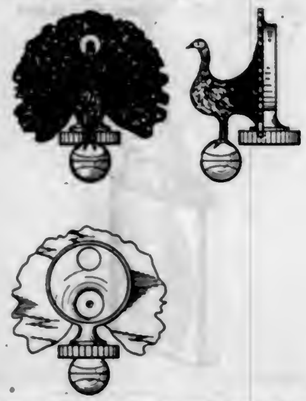
The ornamental design for a gas heater, as shown.

72,971. RING. ARTHUR STELLER, Newark, N. J., assignor to Allsopp Bros., Newark, N. J., a Corporation of New Jersey. Filed Apr. 29, 1927. Serial No. 21,793. Term of patent 3½ years.



The ornamental design for a ring as shown.

72,972. RADIATOR CAP. MAXWELL STOCKMAN, Kansas City, Mo. Filed Mar. 31, 1926. Serial No. 17,129. Term of patent 7 years.



The ornamental design for a radiator cap, as shown.

72,973. BOTTLE. MAURICE S. WALKER, Brookline, Mass. Filed June 17, 1926. Serial No. 18,072. Term of patent 3½ years.

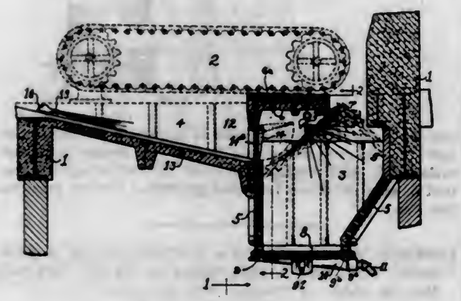


The ornamental design for a bottle substantially as shown and described.

PATENTS

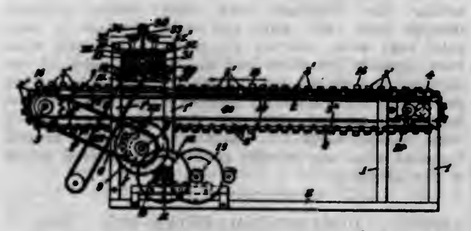
GRANTED JUNE 28, 1927.

1,633,562. HOPPER CONSTRUCTION. FRANK B. ALLEN, Cynwyd, Pa., assignor, by mesne assignments, to Frank H. Dunbar, Cleveland, Ohio. Filed June 20, 1924. Serial No. 721,319. 8 Claims. (Cl. 110—171.)



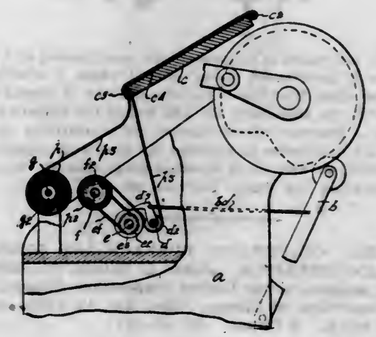
4. A hopper construction comprising a main hopper having an opening in the lower portion thereof, a solid material retaining closure for the said opening, a supplemental hopper adjacent to the main hopper and communicating therewith, means for discharging liquid into each hopper, means for discharging liquid from the supplemental hopper into the main hopper, and means including the said closure for collecting and conducting away water passing through the said opening.

1,633,563. SHINGLE-ABRADING MACHINE. CHARLES M. ABBOTT, Watertown, Mass., assignor to Samuel Cabot, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 16, 1925. Serial No. 62,929. 6 Claims. (Cl. 144—13.)



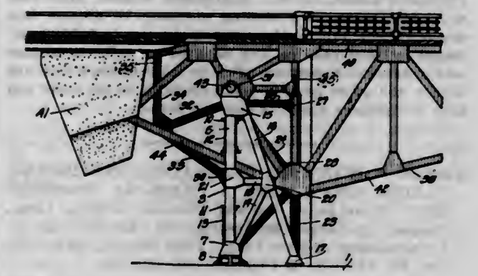
1. A machine for abrasively removing a portion of the softer layers of a sawed shingle while leaving the harder intermediate layers exposed in relief, comprising a rotary abrading device, a conveyor for successively advancing a plurality of shingles past said abrading device while maintaining one surface of the shingle substantially parallel to the line of shingle travel, and means for intermittently moving said conveyor and abrading device relative to each other while a shingle is disposed therebetween whereby to regulate the depth of cut.

1,633,564. PRINTING PRESS. REED ADAMS, Detroit, Mich. Filed Oct. 17, 1923. Serial No. 669,019. 2 Claims. (Cl. 101—407.)



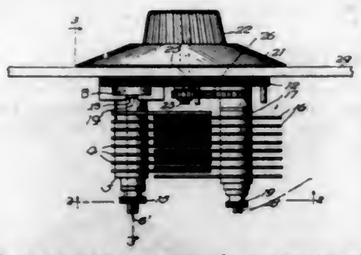
1. The process of printing circular letters consisting in printing the body of the letter from a permanent form and the address from a type inserted in place at each operation of the press, and providing a new tympan surface at each operation of the press.

1,633,565. BASCULE BRIDGE. LOUIS R. ASH, HENRY C. TAMMEN, and HARRY G. HUNTER, Kansas City, Mo. Filed Sept. 7, 1926. Serial No. 133,816. 8 Claims. (Cl. 14—36.)



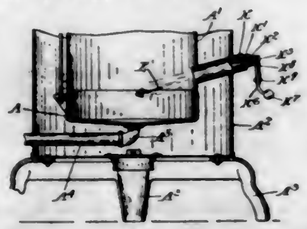
1. In a bascule bridge, spaced trunnion posts, bearings on said posts, a live load supporting member on and forward of the posts, an approach support extending in the opposite direction and supported by said posts, a movable span comprising side trusses and pivot members having mounting in said bearings, and a transverse girder connecting the trusses and adapted to seat on said supporting member when the span is in load carrying position.

1,633,566. ELECTRICAL CONDENSER. WALTER A. BOCKIUS, Park Ridge, Ill. Filed Feb. 13, 1925. Serial No. 8,889. 8 Claims. (Cl. 175—41.5.)



1. In an electrical condenser, the combination of a pair of sets of interleaved plates, one of which is stationary and the other freely movable into and out of lapped relation with the stationary set, and means for adjusting one set in a substantially rectilinear path relatively to the other set to increase or decrease the maximum capacity of the condenser and so as to effect proportionate variation by operating the freely movable set.

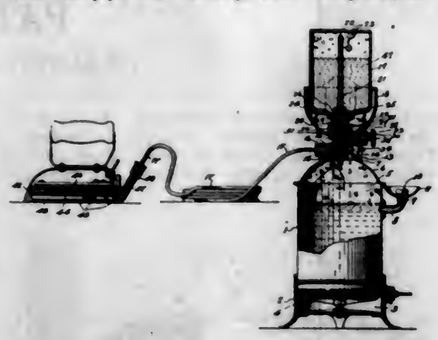
1,633,567. OIL-BURNING FURNACE AND IGNITION MEANS THEREFOR. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1926. Serial No. 94,142. 9 Claims. (Cl. 67—12.)



1. An ignition device for fuels adapted to be burned in a closed burner, which includes a guide passage apertured to receive an inflammable member, a holder for said inflammable member, positioned in said guide passage, propulsive means, for said inflammable member, associated with said holder and tending normally to project said member from said holder, and a friction member positioned in said passage and adapted initially to engage said inflammable member prior to its discharge into the burner, the guide passage being provided at its inner end with a discharge aperture into the burner.

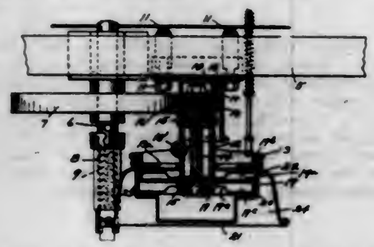
1,633,568. MEANS FOR GENERATING AND IMPREGNATING STEAM WITH A CHEMICAL CONSTITUENT. CHARLES A. BREWER, Noroton Heights, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 28, 1924. Serial No. 752,573. 3 Claims. (Cl. 167—3.)

1. The combination with a steam generator, of a separable chemical container having a perforable closure, means for supporting said container in operative relation to said generator, a vent-pipe connected with said supporting means so as to project exteriorly above said supporting means, said vent-pipe having a piercing point at its upper free end adapted to pierce the perforable closure of said container to permit said vent-pipe to project upwardly within the latter to a point above the level of the content thereof, said vent-pipe having a perforate upper end portion, said vent-pipe affording a mutually intercommunicating means between said generator and container to equalize the internal pressures therein, a discharge sleeve connected with said supporting means in concentric spaced relation to the lower exterior portion of said vent-pipe, said discharge sleeve being adapted to



penetrate the container closure to provide a discharge passage for the content of the latter, and means communicating with said discharge passage for delivering the content of said container into said generator for the purposes described.

1,633,569. SIREN. WILLIAM J. CAMMACK, Los Angeles, Calif. Filed Sept. 2, 1925. Serial No. 54,020. Renewed May 20, 1927. 4 Claims. (Cl. 116—38.)

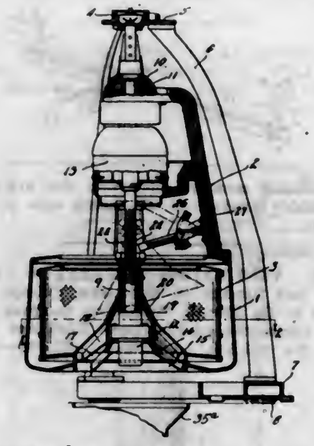


3. In a siren, in combination with a driving member, a movable supporting member, a siren revolubly mounted in said supporting member, said siren having a part adapted to be moved into and out of engagement with said driving member, said siren also having a body with two chambers partitioned from each other, said chambers having inlet openings near their central portions through their outer walls and outlet openings in their outer edge walls, whereby air is drawn into said siren from opposite directions and on opposite sides of the partition and thrown out through the edge walls, means for moving said supporting member to put said part into driving engagement with said driving member, and a brake member adapted to operate on said siren to stop the same when said movable supporting member is moved in one direction.

1,633,570. DUMP-BOTTOM EXTRACTOR. EMIL J. CARROLL, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 22, 1924. Serial No. 751,559. 18 Claims. (Cl. 210—74.)

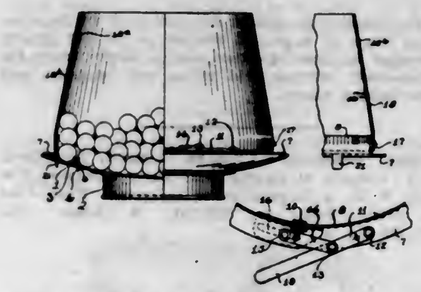
1. An extractor, comprising a work receiving basket rotatable in both forward and reverse directions and provided with a discharge opening, a rotatable closure for said basket opening movable to and from the same to respectively cover and expose said opening, means for preventing rotary movement of said closure so that rotation of said basket provides relative rotary movement therebetween, and means for producing movement of said closure to or from said basket opening during such

relative rotary movement of said closure and said basket, the parts being so constructed and arranged that forward rotation of said basket tends to move said



closure toward said basket opening and reverse rotation of said basket tends to move said closure away from said basket opening.

1,633,571. FRUIT PACKER. RAYMOND P. CLARK, Rochester, N. Y., assignor to Clark Paper & Manufacturing Co., Rochester, N. Y., a Corporation of New York. Filed Jan. 26, 1927. Serial No. 163,826. 16 Claims. (Cl. 226—17.)



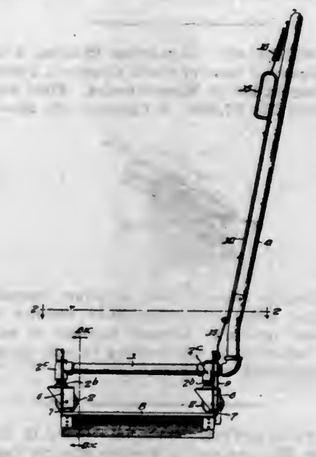
1. A facing form for fruit packers having an annular guide wall extending upwardly from the face of said form and spaced at its edge from the edge of the form to provide on the outer side of the ring a surface on which a ring of fruit may be arranged, the surface of the form within said guide wall being smooth.

7. A fruit packer comprising a facing form, and an expansible liner holding means for supporting a liner on the form.

13. In a fruit packer, the combination with a facing form, of a liner holder having detachable connection with the facing form and having means for effecting engagement with the liner while the holding means is detached from the facing form.

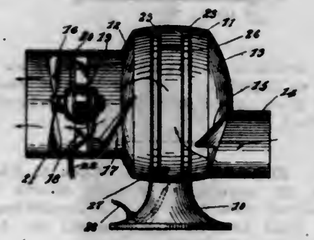
1,633,572. TRACK DETECTOR. GEORGE C. CLEVELAND, Cleveland, Ohio. Filed May 8, 1924. Serial No. 711,924. 4 Claims. (Cl. 88—14.)

1. A track detector, comprising a carriage adapted to traverse a track rail, and reflecting means carried by said carriage in position to reflect to the view of an observer, at a position above the track, a surface of the rail being traversed, which is normally obscured from view; said reflecting means being movable upon the carriage at will to establish such reflecting position, while



traversing the rail, and means for manipulating said reflecting means extending from the reflecting means to within reach of the observer when at his position of observation.

1,633,573. ELECTRIC HEATER. AUBREY WILL DANIEL, New Orleans, La. Filed July 1, 1926. Serial No. 119,795. 3 Claims. (Cl. 219—42.)



1. An electric heater comprising a standard, a cylinder mounted on a horizontal axis thereon, said cylinder having an inlet and outlet of contracted area at its respective ends, said inlet being non-axial, a pair of spaced rings having opposed insulated openings fixed in said cylinder, heating grids disposed transversely in mentioned openings, and means in said outlet to draw air through the cylinder and grids and expel the same through the outlet.

1,633,574. STRING INSTRUMENT. CLARENCE L. DEWEY, Elkhart, Ind. Filed June 26, 1926. Serial No. 118,617. 6 Claims. (Cl. 84—293.)



1. A string instrument comprising a body portion, a neck engaged thereon, a tail piece on said body portion, strings connected to said tail piece and to said neck, a skin head on said body portion, a bridge on said skin head for supporting said strings, a dowel having one end thereof rigidly secured to said neck and projecting

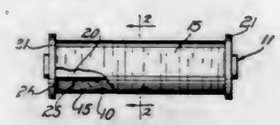
diametrically through said body portion, and means within said body portion for adjustably supporting the other end of said dowel to permit the neck to be adjusted with respect to said springs.

1,633,575. BRACELET. ALEXANDER EKLUND, Attleboro, Mass., assignor to General Chain Company, Providence, R. I., a Corporation of Massachusetts. Filed Sept. 22, 1925. Serial No. 57,909. 8 Claims. (Cl. 59—79.)



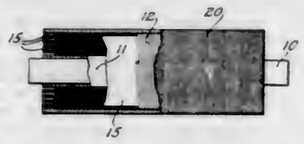
1. An extendible bracelet chain structure comprising a series of band links, connecting links therefor having separable jaws resiliently snapped together at one end, and means responsive to the doubling of said chain upon itself for separating said jaws.

1,633,576. PROTECTIVE COATING. CLEM H. FRANKS, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1925. Serial No. 52,697. 16 Claims. (Cl. 175—21.)



16. An article of manufacture comprising an electrical coil and an imperforate covering therefor consisting of coalesced fibers of cellulose material reinforced by untreated fibers.

1,633,577. ELECTRICAL COIL. CLEM H. FRANKS, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1925. Serial No. 76,956. 9 Claims. (Cl. 175—359.)



1. A method of producing electrical coils, which consists in arranging alternate layers of cellulose material and turns of an electrical conductor, and treating the cellulose material to coalesce the material and thereby cause the formation of an imperforate coating for the coiled conductor.

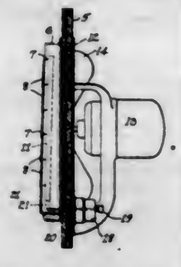
1,633,578. ELECTRIC SWITCH. HARRISON J. L. FRANK, Detroit, Mich., assignor to Mutual Electric and Machine Company, Detroit, Mich., a Corporation of West Virginia. Filed Sept. 17, 1921. Serial No. 501,368. 7 Claims. (Cl. 200—166.)

1. In combination, stationary switch contacts, movable knife-blade members adapted to engage therewith and formed with pairs of fingers along one edge, alined pivots for said knife-blade members, a metallic connector bar having forked ends and a shell of insulation adapted to be received between said fingers which are closed onto said bar and insulation, and an operating crank for



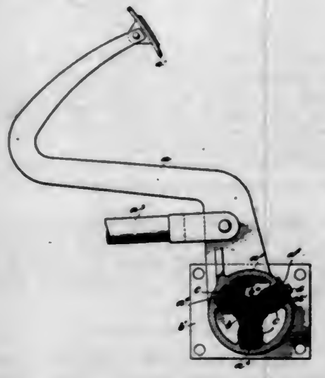
said knife-blade members comprising side arms adapted to be slidably received in the forked ends of the connector bar.

1,633,579. VENTILATING APPARATUS. JOHN M. FRANK and ARTHUR G. SUTCLIFFE, Chicago, Ill., assignors to Ilg Electric Ventilating Company, Chicago, Ill., a Corporation of Louisiana. Filed Apr. 14, 1926. Serial No. 101,859. 6 Claims. (Cl. 98—116.)



3. The combination with a fan, and a motor for driving the same, of a pivoted shutter, means for locking the shutter in closed position, and a single means for simultaneously starting said motor and releasing said shutter locking means.

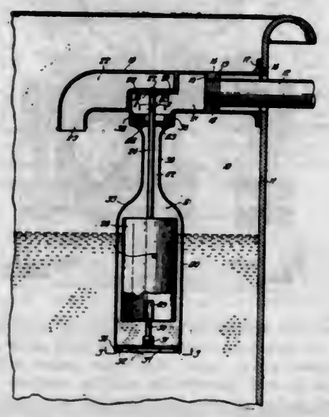
1,633,580. BEARING. CHARLES FROESCH, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 14, 1924. Serial No. 720,002. 6 Claims. (Cl. 287—93.)



1. In combination, a shaft, a bearing support, a recessed seat comprising a socket shaped portion formed on the shaft, a cooperating seat formed in the bearing support, an aperture formed in the circumferential wall

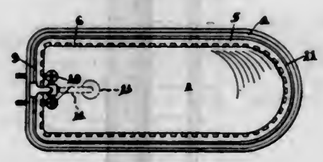
of the bearing support in register with the seat, a closure for the aperture forming part of said last named seat, and a block of yielding non-metallic material retained between the seats under compression.

1,633,581. SAFETY FAUCET. CYRIL JOSEPH GORDON and DAVID D. GOLDBERG, Chicago, Ill. Filed Jan. 21, 1926. Serial No. 82,745. 8 Claims. (Cl. 137—104.)



5. In a faucet, a liquid supply tube, a valve controlling the discharge of liquid from said tube, a stem extending rigidly therefrom, a float carried by said stem and a housing carried by said tube, said housing comprising a float chamber having openings therein and having a passage extending from said tube to said chamber, said valve stem normally closing said passage.

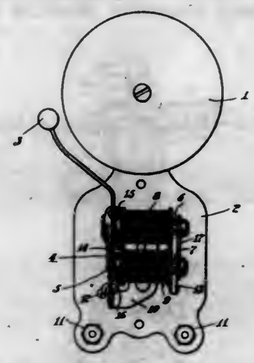
1,633,582. BATHTUB. CHARLES T. E. GOULD, Toronto, Ontario, Canada. Filed June 2, 1926. Serial No. 113,210. 3 Claims. (Cl. 4—181.)



1. A rim member for a bath tub having a main waterway and an auxiliary waterway, said waterways being separated by a rib over which water may flow from the main waterway into the auxiliary waterway, said rib having a restricted passage formed therein through which the main waterway may be drained; and a water outlet from said auxiliary waterway.

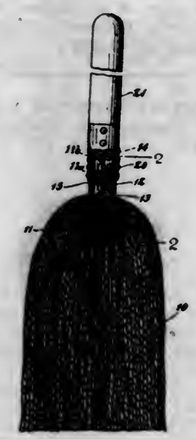
1,633,583. ELECTRIC BELL. WILLIAM F. HENDRY, Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y., a Corporation of Massachusetts. Filed July 15, 1924. Serial No. 726,181. 2 Claims. (Cl. 175—21.)

1. The method of assembling electromagnets which consists in first punching two holes in a metal plate, the metal around the holes being drawn into rings of smaller diameter than the ends of the magnet cores,



then forcing the ends of magnet cores carrying the coils through the perforations, and finally mounting the magnet by means of said plate.

1,633,584. WET MOP. WILLIAM HERTZBERG, Brooklyn, N. Y. Filed Sept. 27, 1926. Serial No. 138,020. 6 Claims. (Cl. 15—228.)

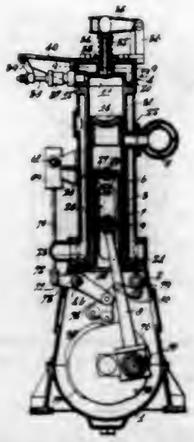


1. A mop comprising cords, a wire formed into a loop adapted to hold said cords, the end portions of said wire being wound about each other to form a stem on said loop, a tubular bushing surrounding said stem, a threaded ferrule covering the upper end of said bushing forming means to attach said mop to the socket of a mop stick and means formed by said wire to lock said loop to said ferrule.

1,633,585. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. LEONARD V. HOSFORD and DAVID DAVIDSON, Portland, Oreg., assignors, by mesne assignments, to Hosford Motor Construction Co., a Corporation of Oregon. Filed Dec. 19, 1924. Serial No. 757,064. 9 Claims. (Cl. 123—74.)

1. In two cycle internal combustion engines having piston controlled exhaust and by-pass ports and ducts, a cylinder head having a centrally located air port with a valve seat and having a compression space, a scavenging valve in said head to deliver air from the by-pass into

the working chamber, means causing the working piston to draw a fresh air charge into itself on one stroke and deliver it compressed to the by-pass duct on another stroke and again compressing the air in the working



chamber, a fuel valve on the head for injecting fuel crosswise of the head into the compressed air within the compression space of the engine, and an auxiliary valve connected with the by-pass duct for delivering compressed starting air at times.

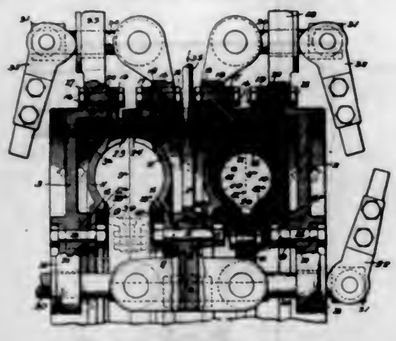
1,633,586. SUDATORY RECEPTOR PAD. WILLIAM A. HUNTER, West Orange, N. J. Filed Oct. 9, 1922. Serial No. 593,252. 2 Claims. (Cl. 2—171.)



1. A device of the character described, including a pad formed of absorbent material, said pad having one longitudinal edge substantially straight and the other longitudinal edge converging from its center toward the ends of said first-mentioned edge, and means secured to the ends of said pad adjacent said straight edge for securing the pad in position, whereby tension on said securing means holds said straight edge in snug engagement with the body and the other edge in spaced relation to the body.

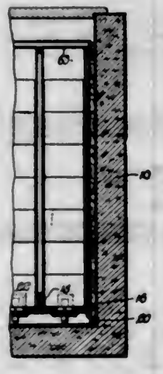
1,633,587. TIRE-VULCANIZING DEVICE. KARL B. KILBORN and WILLIAM S. WOLFE, Akron, Ohio, assignors to Seiberling Rubber Company, Akron, Ohio, a Corporation of Delaware. Filed Nov. 15, 1922. Serial No. 601,045. 3 Claims. (Cl. 18—38.)

1. A tire vulcanizing device comprising a central casing member having an annular cavity open at its opposite sides and defined by inner and outer walls having annular side seating surfaces, annular mold sections formed at their inner and outer edges with surfaces adapted to seat against said seating surfaces on the central casing member so as to close the open sides of the cavity and form in connection therewith a central heating chamber, releasable fastening devices engaging the edges of the mold sections and the inner and outer walls of the casing member and acting to hold the mold sections detachably in place, side casing members hinged to said central casing member and provided each with a cavity opening inwardly and defined by inner and outer marginal walls and an outer side wall, said marginal walls having annular side seating surfaces, an annular



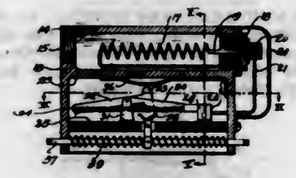
mold section applied to and closing the inner side of the cavity of each side casing member, said mold section being formed at its inner and outer edges with surfaces adapted to seat against the seating surfaces on its associated casing member and forming in connection therewith an annular heating chamber, and releasable fastening devices engaging the inner and outer edges of the last mentioned mold sections and the inner and outer walls of the outer casing members, and acting to hold said mold sections detachably in place.

1,633,588. ICE-CREAM CABINET. EDWARD KLINENBERG, Chicago, Ill. Filed Apr. 30, 1923. Serial No. 635,516. 1 Claim. (Cl. 211—8.)



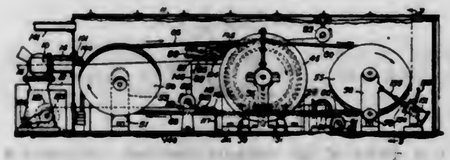
In a dispensing cabinet for bricks of ice cream in cartons, in combination, outer insulating walls, inner container walls spaced therefrom, a water tight lateral passageway out from the bottom of said container, a plurality of shelves in said passageway extending across the bottom of said container, a plurality of magazines in said container resting on said shelves, a plurality of slides, one below each magazine, said shelves having an upwardly extending portion which acts as a spacer between said magazine and horizontal leg portions, the horizontal legs of each shelf having their free edges reversely bent to form a guide for said slides.

1,633,589. THERMOSTATICALLY-CONTROLLED HEATING ELEMENT. LEWIS H. LAMONT, Chicago, Ill. Filed Feb. 12, 1925. Serial No. 8,041. 7 Claims. (Cl. 219—38.)



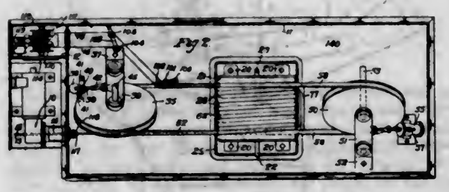
1. A fuel heating device comprising an electrical heating element, a switch controlling said heating element, a snap-over mechanism controlling said switch, and a thermostat adapted to actuate said snap-over mechanism to open the switch at a predetermined temperature.

1,633,590. METHOD OF AND APPARATUS FOR VULCANIZING RUBBER. LESLIE FAWCETT LAMPLOUGH, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,691. 13 Claims. (Cl. 18—53.)



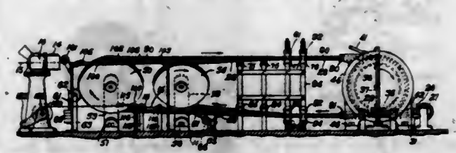
1. The method of vulcanizing material, which consists in progressively subjecting each portion of said material to mechanical pressure and then gaseous pressure during the subjection of the material to the requisite temperature and for the requisite time to vulcanize it.

1,633,591. METHOD OF AND APPARATUS FOR VULCANIZING MATERIAL. LESLIE FAWCETT LAMPLOUGH, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,692. 9 Claims. (Cl. 18—53.)



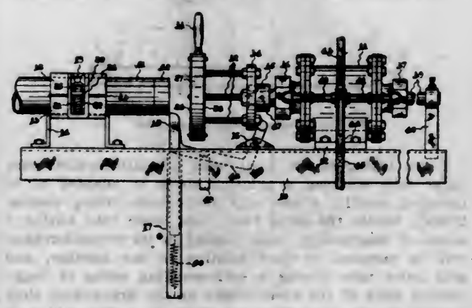
1. In a vulcanizing apparatus, means for vulcanizing strand material, a track, a conveyor for conveying a strand through the vulcanizing means, and an independent train of rollable elements for reducing the friction between the conveyor and the track.

1,633,592. METHOD OF AND APPARATUS FOR VULCANIZING MATERIAL. CARL DEMPSTER HART, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1923, Serial No. 670,693. Renewed May 6, 1927. 10 Claims. (Cl. 18—53.)



1. A method of vulcanizing strand material, which consists in continuously feeding a strand into an endless mold, and thereafter continuously passing the mold through a supply of steam to vulcanize the strand.

1,633,593. CORE-TIP-REMOVING MACHINE. ERNEST LARBALESTER, Fort William, Ontario, Canada, assignor to Fort William Paper Co., Limited, Fort William, Ontario, Canada. Filed Nov. 5, 1925. Serial No. 67,071. 10 Claims. (Cl. 29—88.2.)



1. In a core-tip removing machine, a clamp adapted to frictionally engage and hold the core, a removing member comprising a head having an opening therein of approximately the diameter of a core tip, tip-engaging means movable axially of the core to engage behind the rim of the core tip, means for actuating said tip engaging means to and from the core, and means for axially moving the core and core-tip removing means relative to one another.

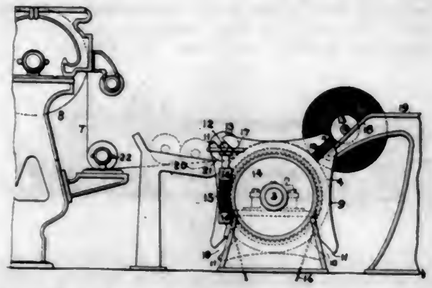
1,633,594. RETTED BAGASSE FIBER AND PROCESS OF PRODUCING SAME. ELBERT C. LATHROP, Philadelphia, Pa., and TREADWAY B. MUNROE, Forest Glen, Md., assignors, by direct and mesne assignments, to Dahlberg & Company, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 20, 1924. Serial No. 721,366. 18 Claims. (Cl. 92—5.)

1. The process of preparing fiber producing material for the production of pulp which consists in subjecting said material to the fermenting action of micro-organisms of the mushroom type.

1,633,595. DEVICE FOR MAKING ROLLS OF PAPER. HARRY LIEBECK, Swarthmore, Pa., assignor to Scott Paper Company, a Corporation of Pennsylvania. Filed Aug. 15, 1923. Serial No. 657,535. 13 Claims. (Cl. 242—65.)

10. In a mechanism of the class described, in combination with a contact drum for propelling web material, a

rotatable member for supporting a plurality of reels for simultaneous co-action with said drum, and means on



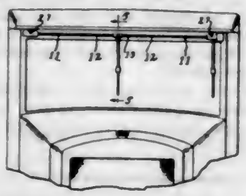
said rotatable member for permitting movement of said reels away from said drum as the web material is wound on said reels.

1,633,596. ADJUSTABLE DELIVERY INK CONTAINER FOR ROTARY DUPLICATORS. LÉON LOUIS LIEVENS, Nanterre, France, assignor to La Société d'Etudes, Constructions et Applications Mecaniques, Paris, France. Filed Aug. 23, 1926, Serial No. 131,049, and in France Nov. 4, 1925. 4 Claims. (Cl. 101—119.)



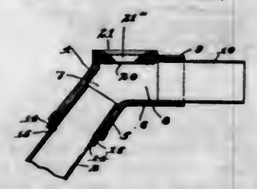
1. An inking device, comprising a relatively-stationary outer tube whereon a printing roller is adapted to be mounted axially, a rotatable inner tube fitting concentrically within the outer tube; said inner tube having a series of longitudinal slots formed in its circumferential wall in successively-offset relation to one another, and said outer tube having a corresponding series of longitudinal slots of the same length as the first-named slots formed in its circumferential wall in a line which is parallel with the common axis of the tubes; and a handle member for rotating the inner tube secured to one end of that tube to bring any selected slot therein into registration with the corresponding slot in the outer tube to the exclusion of all the other slots, said handle having markings for the individual first-named slots to determine their registration positions.

1,633,597. WINDSHIELD WIPER. HOWARD E. MARSH, Lompoc, Calif. Filed Sept. 7, 1926. Serial No. 134,021. 5 Claims. (Cl. 15—253.)



1. A wind shield wiper comprising a sectional shaft, some of the shaft sections having right and left screw threads, the end sections having grooves connecting the adjacent ends of the screw threads, a coupling means for each two adjacent shaft sections, a shoe, means to hold the shoe engaged with the threads as the shaft turns, a wiper bar connected with the shoe, means to rotatably support the shaft on a wind shield, a motor, means to secure the motor to said wind shield, and driving gearing connecting the motor with the shaft.

1,633,598. VACUUM-CLEANER DEVICE. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 7, 1921. Serial No. 459,394. 10 Claims. (Cl. 15—155.)



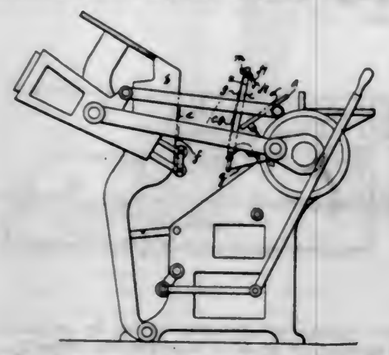
1. In vacuum cleaning apparatus, a hand nozzle formed for attachment to a hose and having an oblong inlet mouth for direct application to articles to be cleaned, in combination with a rigid hollow extension tube adapted to be secured to said first nozzle in non-leaking relation, and a suction tool carried by said extension tube, said hand nozzle constituting a handle for said tube and tool.

1,633,599. THERMOMETER. MAX E. MOELLER, Brooklyn, N. Y. Filed July 18, 1919. Serial No. 311,833. 3 Claims. (Cl. 73—52.)



1. A device of the character described, comprising a hollow casing, a thermometer mounted within said casing, and a resilient connection between said casing and the sides of said thermometer and surrounding the latter, said connection being secured to the casing at one point and secured to the thermometer at a point distant therefrom, and being of slightly less diameter than the internal diameter of the casing at the point of its connection with the said thermometer.

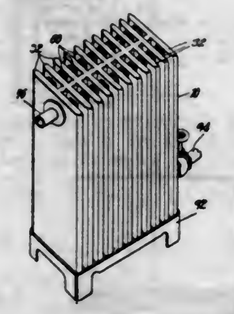
1,633,600. PRINTING PRESS. ROBERT S. MURPHY, Detroit, Mich., assignor to The Electrograph Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 25, 1926. Serial No. 97,223. 5 Claims. (Cl. 101—336.)



1. In an apparatus of the kind described, the combination of a frisket frame, a frisket thereon, the frisket frame having upper and lower cross bars, horisontal

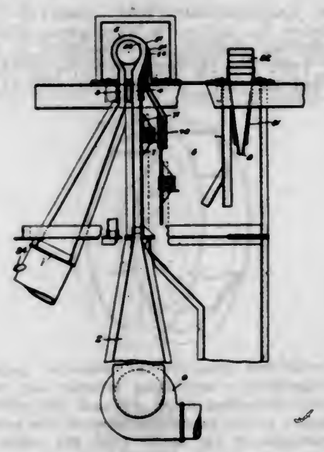
rollers adapted to be secured at various positions intermediate the ends of said cross bars, a vertically extending ribbon passing around said rollers and means for actuating said rollers to move the ribbon by the operation of the apparatus.

1,633,601. RADIATOR. THOMAS E. MURRAY, Brooklyn, N. Y. Original application filed June 7, 1923, Serial No. 643,941. Divided and this application filed Feb. 5, 1924. Serial No. 690,685. 2 Claims. (Cl. 257—139.)



2. A radiator comprising a vessel formed with a series of hollow ribs of thin sheet metal and having stiffening devices between said ribs forming air flues substantially closed in cross-section throughout their height.

1,633,602. DUST COLLECTOR. ARTHUR F. NESBIT, Wilkinsburg, Pa. Filed Dec. 2, 1925. Serial No. 72,760. 4 Claims. (Cl. 183—79.)



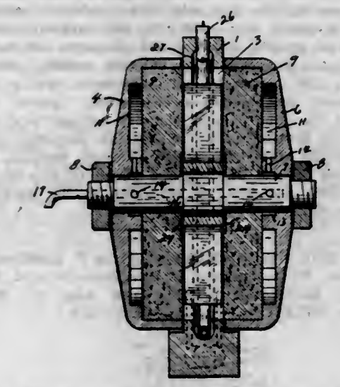
1. Means for effecting centrifugal segregation and separation of the components of a flowing stream which include a main conduit of undiminished cross-sectional area from its inlet to its outlet end, included between opposite parallel walls and curved on an axis to which such opposite walls are parallel, the walls of the conduit throughout the extent of the curve being (but for the opening to the branch conduit) continuous, a branch conduit opening through the wall of the main conduit on the outer side of the curve, such branch conduit being of increasing cross-sectional area and being curved in a widening spiral about the same axis, and means for causing fluid to stream through the conduit and the branch conduit.

1,633,603. AUTOMOBILE BUMPER. SPENCER OTIS, Barrington, Ill., assignor to The Locomotive Terminal Improvement Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 19, 1925. Serial No. 63,212. 5 Claims. (Cl. 293—55.)



1. A bumper, comprising a front bar, supporting members extending inwardly from the ends of said front bar, and spring yokes connected with said supporting members at intermediate portions of the yokes; said yokes having forwardly extending and diverging arms in position to receive the front bar when the latter is displaced rearwardly, but normally out of contact with said front bar.

1,633,604. FILTERING DEVICE. WILLIAM B. PUMPHREY, Sequoia, Calif. Filed Jan. 11, 1926. Serial No. 80,452. 2 Claims. (Cl. 210—117.)



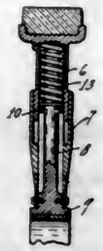
1. A filtering device comprising a ring, a centrally disposed shaft, two casing sections adapted for engagement with opposite sides of the ring, means for tightening the sections upon the ring, filtering walls within the two sections leaving the space within the ring clear, and means for connecting the said space with a water pipe, the sections being formed with recesses in opposite walls thereof adapted to receive water seeping through the filtering material, and the recesses communicating with a bore in the shaft for guiding the water outwardly.

1,633,605. CONTAINER AND COVER THEREFOR. THEODORE MITCHELL PRUDDEN, Hingham, Mass., assignor to Kalix Cup Company, Boston, Mass., a Corporation of Massachusetts. Filed June 3, 1925. Serial No. 34,682. 8 Claims. (Cl. 229—1.5.)



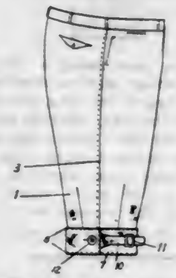
1. A paper closure for an ice cream pack or the like comprising a flat disc of paper stock scored and foldable on diverging chords to form a spoon.

1,633,606. VEHICLE WHEEL. ROBERT RIEHL, St. Louis, Mo. Filed Mar. 26, 1926. Serial No. 97,650. 1 Claim. (Cl. 152—53.)



A vehicle wheel of the class described, comprising an outer rim provided with inwardly projecting hollow housings, converging toward a common center and adapted to reciprocate within radially disposed hollow housing, radiating from a centrally located hub, a plurality of radially disposed spokes connected to said hub and of sufficient length to protrude through the said radially disposed housing into the said first-mentioned housings projecting inwardly from said rim, ball raceways firmly affixed to said spokes, balls in said raceways adapted to be held in said raceways by a suitable washer, slidably surrounding said spokes, helical compression springs surrounding said spokes, one end abutting against said washer and the opposite end abutting against said rim, a hollow hub providing an axle bearing, enclosing sides constituting the aforesaid radially disposed housing, and rigidly joined to said hub, rigidly joined to prevent the ingress of dust and dirt, as set forth in the drawings and specifications.

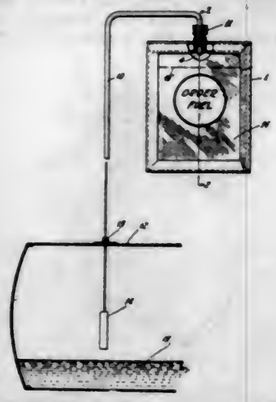
1,633,607. KNICKERBOCKERS. LESTER F. ROSENBAUM, Kalamazoo, Mich., assignor to Sam Rosenbaum & Sons Company, Kalamazoo, Mich. Filed Aug. 17, 1923. Serial No. 657,887. 1 Claim. (Cl. 2—228.)



A garment having a leg provided with a fent at the bottom thereof having overlapping edges, a band of uniform width stitched throughout its length at its top and bottom edges terminating at the edges of said fent, said band having a button-hole at its overlapping end, an adjusting strap provided with a button at one end to coact with said buttonhole, and a buckle disposed in spaced relation to the underlapping end of said band for adjustably connecting said strap to said band.

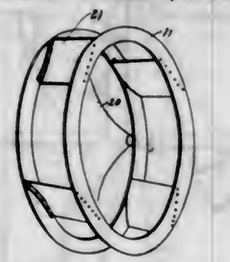
1,633,608. SIGNAL FOR FUEL-SUPPLY SYSTEMS. JACK D. SARTAKOFF, New York, N. Y., assignor of one-half to Khetah Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1926. Serial No. 139,473. 10 Claims. (Cl. 116—118.)

9. In an assembly of the character described, a compartment having transparent walls and vented, a closed reservoir positioned at the rear of the compartment and containing a liquid, a visual signal positioned between the compartment and reservoir, an inverted U tube, the arms of which extend downwardly into both the reservoir and compartment, and means to secure said parts together, in combination with a pressure bell having an open bottom and connected by a tube to the interior of the reservoir, said pressure bell being adapted to be positioned within a fuel tank, whereby the rise in level of



the fuel in the tank will seal the open bottom of the bell and place the air in the bell under pressure for the purpose of forcing the liquid from the reservoir through the U tube into the compartment to conceal the visual signal, the fall of fuel level in the tank below a predetermined minimum serving to suck said liquid back through the U tube into the reservoir to expose the visual signal.

1,633,609. RADIAL-FLOW PUMP. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 29, 1920, Serial No. 420,468. Renewed Jan. 28, 1927. 1 Claim. (Cl. 230—11.)



In a radial-flow pump of the character described, a runner comprising a supporting member and blades of progressively increasing pitch arranged circumferentially with reference to the supporting member, the sum of the angles subtended by the blades from the center of the runner being substantially 216°, the leading portion of said blades being substantially tangential to the surface generated by the leading edge of the blades in their rotation.

1,633,610. NETHER GARMENT. ALEXANDER M. SCHNEIDER, New York, N. Y., assignor to G. Sperling, New York, N. Y. Filed July 13, 1926. Serial No. 122,055. 3 Claims. (Cl. 2—224.)

1. Bloomers or pantalets having a crotch portion with a tapering end extending up the front and a tapering end extending up the back, a pair of tapered gussets having their larger ends secured respectively to the side edges of the middle of said crotch portion and extending down the inside leg portions of the garment, the adjoining edges of said crotch portion and gussets respectively being concave at the sides of the crotch portion and at the ends of the gussets to provide oppositely directed sub-



stantially arcuate edges which, where stitched together, render the garment substantially conformative to the wearer and devoid of sharp protruding seams and bulging areas.

1,633,611. MEANS FOR PREVENTING ELECTRICAL INTERFERENCE. ROY B. SHANCK, Woodside, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 6, 1922. Serial No. 559,029. 10 Claims. (Cl. 178—69.)



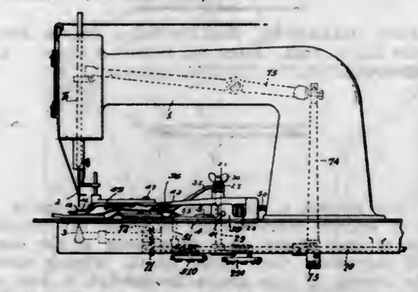
1. In a single-line Morse telegraph system, the method for substantially neutralizing cross-fire which consists in impressing a signaling impulse upon one of the circuits of the said system, causing the said impulse to create a neutralizing impulse in each of the other circuits of the said system in such directions as to prevent both the receiving-end and the sending-end cross-fire impulses.

1,633,612. AIR PROPELLER. ALBERT EUSTACE SHORT, HUGH OSWALD SHORT, and ARTHUR GOUGH, Rochester, England. Filed Oct. 11, 1926, Serial No. 140,893, and in Great Britain Mar. 1, 1926. 2 Claims. (Cl. 170—173.)



1. An air propeller with removable blades, comprising two blades with interlocking inner ends, two wedge-shaped side blocks located in opposite recesses between the blades, two wedge-shaped end blocks located in the other recesses between the blades, longitudinally arranged bolts securing the blades and blocks together by passing through the opposite end blocks and through the blades between them, and transversely arranged bolts securing the blades and blocks together by passing through the opposite side blocks and through the blades between them.

1,633,613. BUTTON-SEWING MACHINE. CHARLES T. A. SIBBALD and JOHN B. RANSOM, Troy, N. Y., assignors, by mesne assignments, to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed Apr. 27, 1922. Serial No. 557,011. 15 Claims. (Cl. 112—112.)



1. In a button sewing machine, a button holder, a material clamp, and means for creating relative movement between the button holder and material clamp following a predetermined number of stitches through the holes in a button and through material, said relative movement positioning the material to receive the stitches through the same button holes at a distance from the original stitches in the material through said button holes.

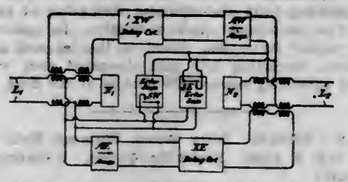
1,633,614. METHOD OF SEWING ON BUTTONS. CHARLES T. A. SIBBALD and JOHN B. RANSOM, Troy, N. Y., assignors, by mesne assignments, to Frederick Osann Company, New York, N. Y., a Corporation of New York. Original application filed Apr. 27, 1922, Serial No. 557,011. Divided and this application filed June 23, 1924. Serial No. 721,650. 14 Claims. (Cl. 112—265.)



5. The method of securing a plural hole button to material which consists in passing stitching loops through the holes in succession and diverging the loops from each hole to and through spaced points in the material.

14. Means for attaching a button to material, which comprise loop stitches passing through a hole in said button, the stitches emerging from one end of said hole diverging and extending to and engaging the material at spaced points.

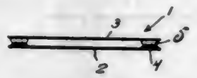
1,633,615. DELAY CIRCUITS FOR VOICE-OPERATED DEVICES. HAROLD C. SILENT, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 24, 1925. Serial No. 64,682. 4 Claims. (Cl. 178—44.)



1. In a transmission circuit, a voice operated relay for controlling the transmission over a part of said circuit, and a delay circuit operating to delay the trans-

mission of signaling currents over said part of said circuit until the voice operated relay has had time to function, said delay circuit comprising a network so designed as to compensate for the variation in the delay of the transmission circuit with respect to frequency.

1,633,616. BARRETTE. FRANCES SOKOL, Chelsea, Iowa. Filed Aug. 5, 1925. Serial No. 48,290. 1 Claim. (Cl. 132—48.)

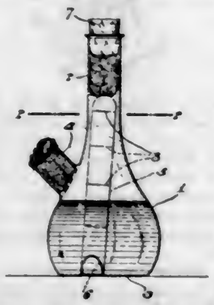


A hair barrette of the class described comprising a pair of separate complementary elongated flat metallic strips of equal length, said strips being of the same width throughout their entire length, between which strips strands of hair are to be fastened, a pair of socket members arranged on the inner face of one strip adjacent the respective ends thereof, and heads carried by the inner face of the complementary strip and adapted to be received in the respective socket members whereby the strips are detachably secured together.

1,633,617. PROCESS FOR TREATING COTTON OR OTHER THREADS CONTAINING CELLULOSE. GIOVANNI TAGLIANI, Basel, Switzerland, assignor, by mesne assignments, to Chemical Works, formerly Sandoz, Basel, Switzerland, a Joint Stock Company. Filed June 29, 1925, Serial No. 40,452, and in Germany July 3, 1924. 2 Claims. (Cl. 8—5.)

1. A process of rendering cellulose fibres, preliminarily dyed with substantive dyestuffs, indifferent to substantive dyestuffs, which comprises, alkalizing the dyed fibres and treating them with aromatic sulphonic chlorides.

1,633,618. FERMENTATION APPARATUS. GEORGE E. THOMAS, Philadelphia, Pa. Filed Oct. 15, 1926. Serial No. 141,799. 5 Claims. (Cl. 23—253.)



1. A fermentation apparatus comprising a flask having an enlarged liquid containing formation at its base, and an elongated open neck formation, extending above the enlarged formation, and a second shorter neck formation projecting from the enlarged formation at one side of the first mentioned neck formation, in combination with a tubular formation, closed at the top and open at the bottom, extending into said elongated neck with its open end extending toward the bottom of the flask.

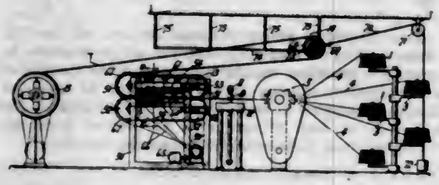
1,633,619. FENCE. JOHN WARD, Watauga Falls, N. C. Filed Jan. 4, 1926. Serial No. 79,204. 2 Claims. (Cl. 256—26.)

1. In a fence, the combination of posts, bands mounted on the posts and having offstanding portions, panels between the posts having detachable connection with the bands thereof, one of the panels having a batten at one end, in which is formed a longitudinal slot, and a flat headed bolt mounted in the offstanding portions of a band and adapted to have its flat head pass through the slot of the batten and adjusted crosswise of the slot to lock the panel in closed position.



2. A fence, comprising posts, upper and lower bands mounted upon the posts and having offstanding portions, bolts mounted in the offstanding portions of the bands, spreader means associated with the posts for holding the bands in spaced relation, and panels, comprising end battens in which are formed longitudinal slots to receive the bolts mounted in the offstanding portions of the bands.

1,633,620. PROCESS FOR THE MANUFACTURE OF TIRE BEADS. STERLING W. ALDERFER, Akron, Ohio. Filed Oct. 20, 1926. Serial No. 142,948. 15 Claims. (Cl. 154—14.)



1. The process of manufacturing tire beads, comprising leading a plurality of individual wires from separate sources, dividing the wires into groups, forcing a mass of tenacious rubber about the wires while the groups are spaced apart, reducing the wires and the rubber to a flat tape whereby the wires are brought into substantially the same plane, encasing the tape so formed with a jacket of rubber, cooling the tape, and winding a plurality of layers thereof into a ring constituting the bead.

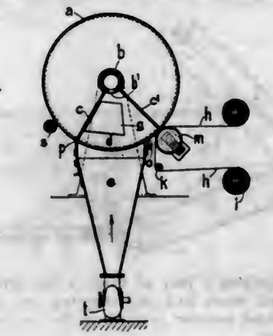
1,633,621. FILTRATION OF SOLUTIONS AND THE LIKE. JOSEPH BLUMENFELD, London, England. Filed July 28, 1924, Serial No. 728,785, and in Great Britain Aug. 3, 1923. 7 Claims. (Cl. 210—23.)

1. A process for the clarification of by the removal of suspended matter from solutions which result from chemical attack upon minerals or the like containing metallic elements of the fourth group, said process comprising adding to the solution to be clarified compounds capable of forming by reaction within said solution a colloidal metallic sulphide having an electric charge of opposite sign to that of said suspended matter.

1,633,622. APPARATUS FOR TRANSFERRING MICA ONTO A FIBROUS WEB. JOSEF BOHER, Breitenbach, near Basel, Switzerland. Filed Apr. 19, 1926. Serial No. 103,144. 3 Claims. (Cl. 154—2.5.)

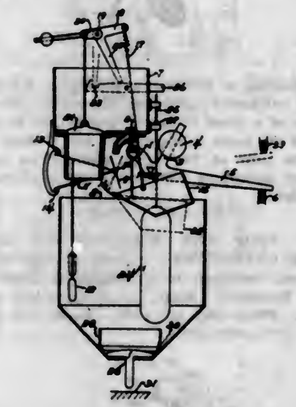
1. An apparatus for transferring mica onto a fibrous web, comprising a mica supplied trunk, means to keep mica flakes therein in suspension, a rotary perforated drum arranged above said trunk, a stationary hollow shaft carrying said drum, means to rotate said drum around this shaft, a stationary suction chamber within said drum, arranged to communicate with the hollow

space of the shaft and to draw up the mica flakes against the periphery of the drum, suction means connected to both ends of said shaft, and a heated pressure roller in



contact with the drum outside the suction area to press a fibrous web coated with an adhesive against the drum for receiving the mica layer supplied by the drum.

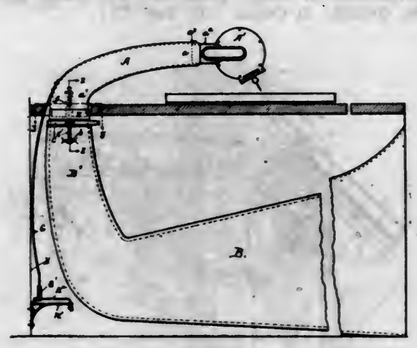
1,633,623. AUTOMATIC WEIGHING APPARATUS WITH TARE WEIGHING. BALTUS BOULOGNE, Pasoeroean, Java. Filed Mar. 9, 1926, Serial No. 93,486, and in the Netherlands Feb. 6, 1925. 4 Claims. (Cl. 249—2.)



1. In an automatic weighing apparatus, a weighing tank, a weighing beam, a main and auxiliary admission valves for the material to be weighed, a device for opening the auxiliary admission valve by the movement of the weighing beam when the weighing tank returns empty to the charging position, a tank below the auxiliary admission valve movable by the weight of the on-flowing material, and a device acting in response to movement of the second mentioned tank to cause the opening of the main admission valve.

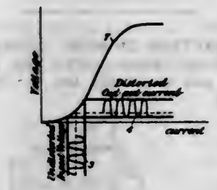
1,633,624. PHONOGRAPH TONE ARM AND RESONATOR. WILLIAM T. CARNES, Kansas City, Mo., assignor to Carnes Artificial Limb Company, Kansas City, Mo. Filed Dec. 19, 1923. Serial No. 681,512. 6 Claims. (Cl. 274—23.)

1. In an apparatus of the class described, an amplifier, a spider-ring secured upon the receiving end thereof, an upright post supported upon said ring, a swivel ring journalled on said post, means to give vertical adjustment to said ring with relation to said post, said ring having vertical slots in its upper edge at diametrically opposite points along the upper edge of its periphery, a



tone arm adapted to receive said ring, and trunnion studs secured in the wall of said arm and adapted to enter said slots.

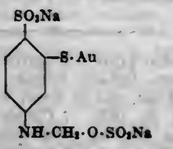
1,633,625. SECRECY SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 5, 1921, Serial No. 449,879. Renewed Oct. 9, 1925. 3 Claims. (Cl. 179—1.)



1. The method of providing secrecy in a system of communication which consists in translating original message currents into a current wave whose elements bear a non-linear relation to the corresponding elements of the original message currents, transmitting the translated wave to a receiving station, and subjecting the received wave at said station to a non-linear translation complementary to the translation at the sending station whereby the message currents will be restored to original formation.

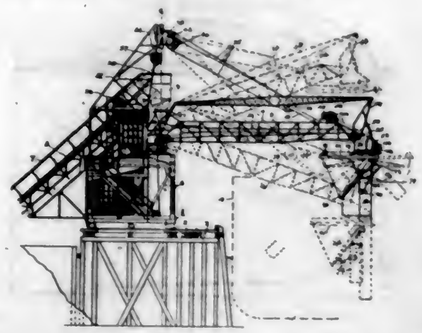
1,633,626. HEAVY METAL MERCAPTO SULPHONIC COMPOUNDS. ADOLF FELDT, Berlin-Wilmersdorf, WALTER SCHOELLER, Berlin-Westend, and ERICH BORGWARDT, Berlin, Germany, assignors to Chemische-Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed Dec. 10, 1925, Serial No. 74,632, and in Germany Dec. 15, 1924. 8 Claims. (Cl. 260—11.)

3. As a new product the disodium salt of 4-iminomethylene sulphurous acid-2-mercapteaurobenzene-1-sulphonic acid, corresponding to the formula



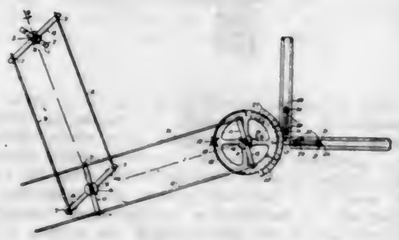
being easily soluble in water and having a gold content of about 35 percent.

1,633,627. MECHANISM FOR HANDLING MATERIAL. MAHLON E. FIRST, Lakewood, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 11, 1922. Serial No. 600,249. 21 Claims. (Cl. 198—72.)



1. In mechanism of the character described, the combination of a suitable base, a boom supported therefrom and oscillable in a vertical plane, drums at the respective ends of said boom rotatable about transverse axes, an endless conveyor passing over said drums, a spout head oscillably mounted in the outer end of said boom about the axis of the corresponding conveyor drum, and means independent of an operator for holding said head in substantially vertical position.

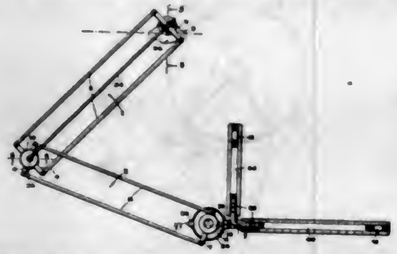
1,633,628. DRAFTING DEVICE. JOSEPH O. FORTIN, Ottawa, Ontario, Canada. Filed Oct 2, 1922, Serial No. 591,850, and in Canada Oct. 4, 1921. 6 Claims. (Cl. 33—79.)



1. A drafting machine comprising a plurality of pivotally connected parallelogram-shaped structures, each consisting of a pair of parallel short links pivotally connected by a pair of parallel longer links, an anchoring device, a single vertical pivot member on said anchoring device, means on said pivot member for clamping the short link at one end of the machine in any desired angular position to said device, a drafting member rotatable about the middle point of the short link adjacent the other end of the machine, and a vertical pivot member for connecting the other short link of each parallelogram structure to the adjacent short link of the other parallelogram structure.

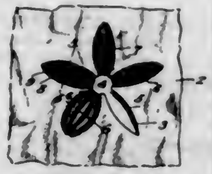
1,633,629. DRAFTING MACHINE. JOSEPH OVILA FORTIN, Ottawa, Ontario, Canada. Filed May 23, 1925, Serial No. 32,364, and in Great Britain June 24, 1924. Renewed Oct. 29, 1926. 7 Claims. (Cl. 33—79.)

1. A drafting machine comprising, in combination, a pair of pivotally connected parallelogram-shaped structures each consisting of a pair of parallel short links pivotally connected by a pair of parallel longer links, an anchoring device pivoted to the short link at one end of the machine, and a drafting member carried by the short link at the other end of the machine, said drafting



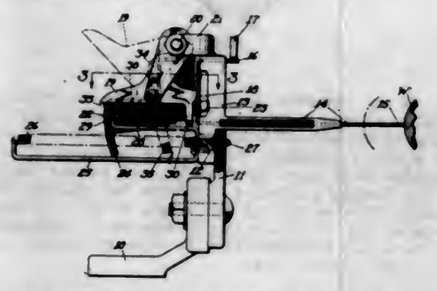
member comprising a pair of rules, a bar pivoted to the last mentioned short link and carrying one of the rules and a graduated member pivoted on the bar and carrying the other rule.

1,633,630. ORNAMENTAL FABRIC. FRIEDA E. FUHRER, Richmond, Va. Filed Mar. 21, 1924. Serial No. 700,875. 3 Claims. (Cl. 2—278.)



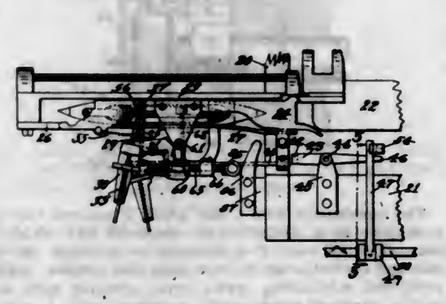
1. The process of fabric ornamentation which consists in looping successive layers of differently colored yarns at one side of a piece of fabric, connecting said yarns at the ends of the loops to the fabric, and slitting the yarns between the ends of the loops whereby an ornamental tufted effect embodying different colors is afforded on the piece of fabric.

1,633,631. STOP FOR WEIGHTS OF MULTIPLE-NEEDLE DETECTORS. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1925. Serial No. 76,823. 4 Claims. (Cl. 139—276.)



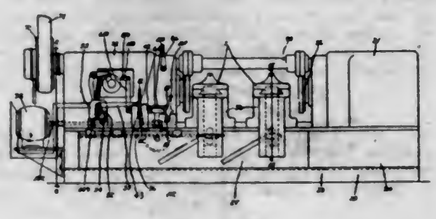
1. In a weft detector for looms, a carrier, a plurality of needle detectors slidably mounted in the carrier, a plurality of weights one for each needle detector to hold said needles rearwardly in engagement with the yarn to be detected, a stop mounted on the carrier, and a finger extending from each weight to engage the stop when said weights are moved forwardly by the needles, said stop preventing excess movement of the weights beyond the position corresponding to the foremost position assumed by the needle detectors.

1,633,632. WEFT-DETECTING MECHANISM FOR DROP-BOX LOOMS. ALBERT A. GORDON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 26, 1926. Serial No. 83,859. 7 Claims. (Cl. 139—233.)



1. In a loom having a plurality of drop boxes at one end thereof, in combination, a plurality of weft detectors corresponding in number with said boxes and associated therewith, a single actuating means effective to render any one of said detectors operative, a pattern controlled selective connector, and means to give said connector a preliminary selective movement to interpose said connector between said actuating means and a selected detector before the operating movement of said actuating means.

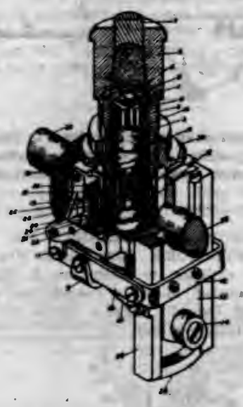
1,633,633. CRANK-SHAFT LATHE. WILLIAM F. GROENE, Cincinnati, Ohio, assignor to The R. K. Leblond Machine Tool Company, Cincinnati, Ohio, a Corporation of Delaware. Filed June 13, 1924. Serial No. 719,906. 10 Claims. (Cl. 82—9.)



1. The combination with a lathe, of means for automatically moving the cutting tools thereof into and from operation upon the work, for returning the tools to their original position, for continuing the movement of the work for a determinable period after the tools have completed their normal work and for stopping the lathe, and means for interlocking said means for precluding accidental operation of any parts thereof.

10. The combination with a lathe comprising a revolving spindle adapted to move work, tool holders for operation upon the work, means for revolving the spindle, and means for moving the tool holders relative to work associated with the spindle, the tool holders being adapted to assume a normal or beginning position, of means for arresting relative movement of the tool holders, means for rendering a determinable continuity of rotation of the spindle and for then rendering the means for revolving the spindle inoperative upon the spindle, auxiliary means for then returning the tool holders to their beginning or normal position, and interlocking means for precluding operation of the enumerated means in other than their predetermined order.

1,633,634. GLASS-FORMING MACHINE AND PROCESS. ORIN A. HANFORD, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Apr. 14, 1921. Serial No. 461,268. 6 Claims. (Cl. 49—18.)



3. The method of handling glass blanks in the making of blown glassware which comprises forcing the glass into a groove, supporting the glass by friction against force of gravity, blowing the blank while suspended from the holding device and then ejecting the glass from said groove.

1,633,635. ADVERTISING DEVICE. CHARLES NATHON HARMON and JOHN PETER DAMES, Ann Arbor, Mich. Filed June 1, 1925. Serial No. 34,120. 1 Claim. (Cl. 40—129.)

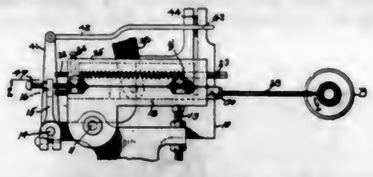


An advertising device comprising in combination with a vehicle, the body thereof including spaced vertical strips, and spaced horizontally extending strips whereby a plurality of rectangular shaped openings are formed in the sides of the body, a sign board hingedly supported in the rear of each of said openings, and providing a closure therefor, whereby the sign on the front face of each sign board is visible from the exterior of the vehicle, a glass panel supported over the front of each of the openings and covering the respective signs, incandescent electric lamps arranged on the exterior of the body directly over the openings, and reflectors associated with the lamps for directing the rays of light downwardly onto the sides.

1,633,636. WEFT DETECTOR FOR LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 1, 1924. Serial No. 741,038. 9 Claims. (Cl. 139—269.)

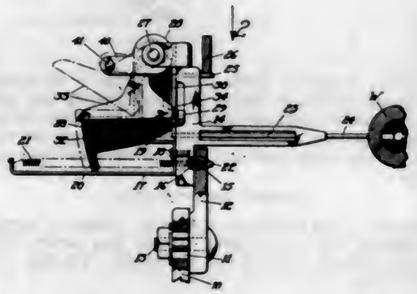
1. In a weft detector for looms operating with a bobbin having inclined surfaces, an actuator to effect a change in the operation of the loom, controller mechanism for the actuator, a detector element mounted for angular movement and normally clearing a portion of the con-

troller mechanism when moved forwardly by a sufficient supply of weft, and resilient means holding said detector in said clearing position, said detector when engaging



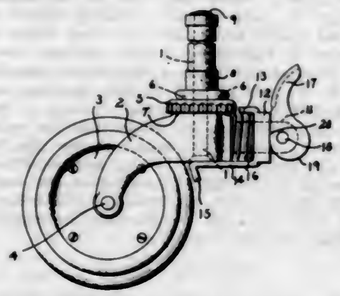
an inclined portion sliding therealong to move angularly and engage a portion of the controller mechanism as said detector is moved forwardly by the advancing bobbin.

1,633,637. STOP FOR WEIGHTS OF MULTIPLE-NEEDLE DETECTORS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1925. Serial No. 76,822. 7 Claims. (Cl. 139—276.)



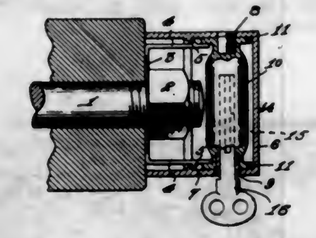
1. In a weft detector having a plurality of yarn engaging detector needles and weights for said needles to hold said needles yieldingly against the yarn, a stop yieldingly mounted and positioned to engage the weights to restrain excess movement thereof.

1,633,638. CASTER. NELSON L. JARVIS and FRANK J. JARVIS, Palmer, Mass. Filed Dec. 22, 1925. Serial No. 76,989. 6 Claims. (Cl. 16—35.)



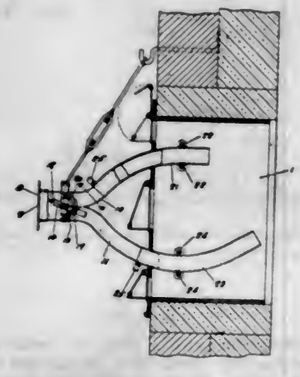
1. In a device of the character described, a roller support having a roller fork and a slide extension beyond the fork, a roller in the fork a caster stem carried by the support and extending therebeyond, a lock member on the stem having edge serrations and a slide yoke on the slide extensions of the support having a pair of arms substantially parallel to the slide extensions, one arm being adapted to engage the edge serrations of the lock member.

1,633,639. NUT ENCASEMENT. EMORY R. JOHNS, Dallas, Tex. Filed July 26, 1926. Serial No. 125,093. 1 Claim. (Cl. 70—122.)



The combination with a bolt which is screwed through a support or a device to be supported and which is engaged by a nut, of a disc-member arranged on the bolt and contacted by the nut, said disc member having peripheral outstanding spring arms provided with outwardly directed substantially V-shaped lugs, a casing section having an inner groove to receive the lugs of the spring arms therein, a barrel revoluble in the casing section, said barrel having flanged ends whose inner faces are formed with cam extensions, said barrel having a bore designed for coengagement with a removable key, all as and for the purpose set forth.

1,633,640. FURNACE-FUEL-FEEDING APPARATUS. THEODORE JOHNSON, Erie, Pa., assignor, by mesne assignments, to Erie City Iron Works, a Corporation of Pennsylvania. Filed Jan. 10, 1923. Serial No. 611,713. 5 Claims. (Cl. 110—104.)

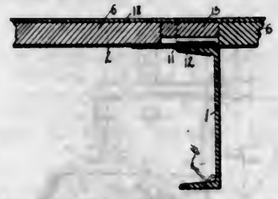


1. In a furnace fuel feeding apparatus, the combination with a furnace; of a fuel and air conduit leading to the furnace including means comprising arcuate telescoping tubes for varying through the sliding adjustment of one tube upon the other the direction of discharge of the conduit into the furnace.

1,633,641. ROOF CONSTRUCTION. FREDERICK C. KASCH, Akron, Ohio. Filed Aug. 9, 1926. Serial No. 127,990. 3 Claims. (Cl. 108—13.)

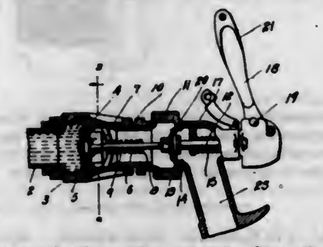
3. In a roof structure the combination of flanged purlins and a foundation comprising a plurality of metal sheets having parallel channels, the sheets being laid over the purlins with overlapping edges parallel to the purlins, the sheets being provided with apertures in the bottom of a channel through the overlapped portions arranged in register with the edges of the flanged purlins,

and U-shaped metal clips passed through the apertures, one arm of each clip bearing against the underside of a flanged purlin and the other arm bearing against the



upper surface of the upper sheet, the apertures being wider than the thickness of the clip so as to permit free contraction and expansion of the sheets.

1,633,642. TANK FOR DISPENSING LIQUIDS. ANDREW A. KRAMER, Kansas City, Mo. Filed June 9, 1922. Serial No. 567,150. 2 Claims. (Cl. 137—21.)



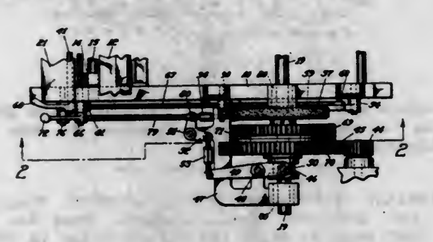
1. The combination with a tank for dispensing liquids, of a conduit leading therefrom, a valve seat within the conduit, a valve coacting with the seat, a spring acting on the valve to move it toward its seat in the direction of flow of liquid through the conduit said spring encircling a stem projecting from the valve in the direction of flow of the liquid through the conduit, a faucet on the end of the conduit, a valve therein and a handle for moving the last named valve from its seat and for engaging the said stem and moving its valve against the flow of liquid through the conduit away from its seat, the said conduit being weakened at a point between the said valves to locate a break in the conduit.

1,633,643. BRUSH ATTACHMENT FOR HOSE. ORMOND E. LOOMIS, Belmont, Mass., assignor to Dario Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 18, 1925. Serial No. 57,068. 3 Claims. (Cl. 15—128.)



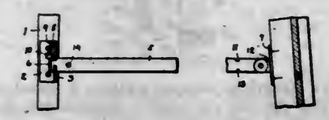
1. A brush attachment for a hose comprising a holder having a body portion which is substantially straight longitudinally and arcuate in cross-section to fit the hose and which has a pair of attaching clips adjacent each end shaped to embrace the hose, the clips being formed integrally with the body portion with their free ends spaced apart to permit the passage of the hose laterally therebetween, a pair of oppositely extending brush supporting arms at one end of the body portion and integral therewith, and a brush comprising a twisted wire core with bristles secured thereto, the brush being formed in a loop with the ends of the core projecting beyond the bristles, and the brush supporting arms being bent around the ends of said core to secure the brush to the holder.

1,633,644. AUXILIARY BRAKE FOR LOOMS. BENJAMIN F. MCGUINESS, Grafton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 4, 1925. Serial No. 73,246. 6 Claims. (Cl. 139—375.)



1. In a loom, a driving shaft, a lay connected thereto, means to drive the shaft, a pair of brakes both effective to resist motion of the shaft and lay, one of said brakes being relatively light and effective to offer slight resistance to movement of the lay and shaft whenever the shaft and means to drive are disconnected, and the other brake capable of remaining in non-braking position when the shaft and driving means therefor are disconnected, and operative connections between the brakes to cause the light brake to become operative to brake the shaft when the main brake is effective.

1,633,645. SASH ADJUSTER AND FASTENER. ALBIN E. MOLBERG, Duluth, Minn. Filed Mar. 12, 1926. Serial No. 94,175. 3 Claims. (Cl. 292—267.)

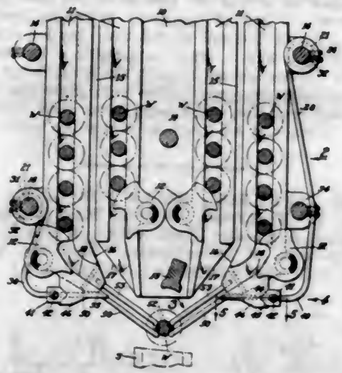


1. In combination, an angular bracket one flange of which is adapted to be secured to a window stop and the other flange having a T-shaped slot therein, an angular bracket one flange of which is adapted to be secured to a storm sash for the window and having a notch in the other flange, an operating rod one end of which is pivotally connected to the sash bracket and adapted to reciprocate in the T-shaped slot, and means for securely holding the rod or bracket from dislodgment from the T-shaped slot.

1,633,646. YIELDABLE GIVEWAY FOR WEFT-REPLENISHING LOOMS. OSCAR V. PAYNE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1926. Serial No. 148,404. 7 Claims. (Cl. 139—251.)

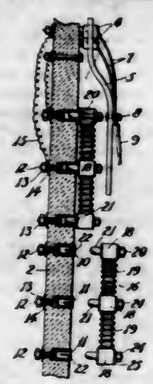
1. In a weft replenishing mechanism having a frame to hold a plurality of stacks of bobbins, a pair of yieldable supports for the tip of the bobbin, one of said supports

being formed of wire bent on itself and having two inclined portions spaced vertically and horizontally, the upper portion to engage the tip of the bobbin and prevent



endwise movement thereof and the lower portion guiding the bobbin toward and supporting the same in transfer position.

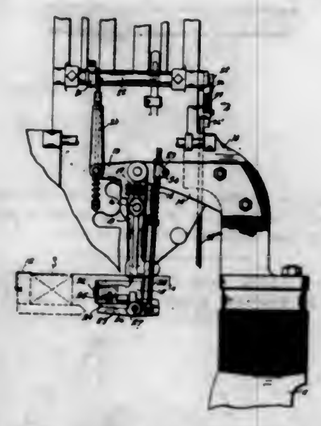
1,633,647. ELECTRICAL DIMMER SWITCH. WILLIAM ROW, Melbourne, Victoria, Australia. Filed Nov. 2, 1925, Serial No. 66,373, and in Australia Nov. 13, 1924. Renewed May 20, 1927. 3 Claims. (Cl. 201—48.)



2. In an electrical dimmer switch, a panel, contact studs carried thereby, and sockets fitted in the panel and opening to one surface of the panel, said sockets being projected to the opposite surface of the panel for the connection of conductors leading to the contact studs, and independent resistance elements formed with plugs to frictionally engage in said sockets to interconnect the sockets through said resistance, each of said resistance elements comprising a core of insulating material, screws passed through the core and formed with said plugs, and a resistance wire wound about the core of insulating material and connected to the screws.

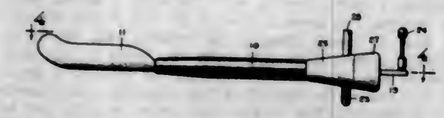
1,633,648. SHUTTLE PLACER FOR WEFT-REPLENISHING LOOMS. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 8, 1922. Serial No. 580,526. 3 Claims. (Cl. 139—253.)

1. In a loom having a weft carrier magazine, a lay and a shuttle, in combination a depending supporting member mounted on a pivot on said magazine and swinging downward in the path of the advancing shuttle, said member having movement in a single plane only and substantially perpendicular to the path of the shuttle, a shuttle positioning roll mounted on said member to rotate about a substantially vertical axis when in operative posi-



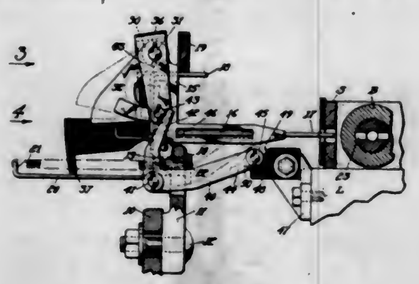
tion, said member and roll having a normal forward inoperative position, and means to move said parts rearward upon indication of weft carrier transfer to position said roll for engagement by a misplaced shuttle.

1,633,649. DIATHERMIC ELECTRODE. MAXIMILIAN STERN, New York, N. Y. Filed Jan. 12, 1926. Serial No. 80,720. 16 Claims. (Cl. 174—89.)



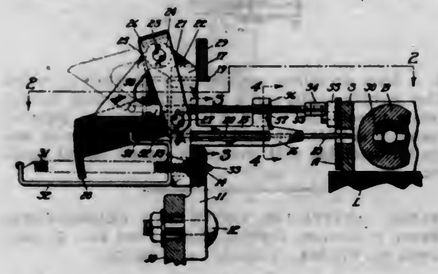
1. In an electrode of the character described, a pair of contact members which are relatively foldable like the covers of a book to permit easy insertion thereof into a body cavity when they are folded.

1,633,650. MULTIPLE-NEEDLE DETECTOR FOR LOOMS. KENNETH J. UNWIN, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1926. Serial No. 79,438. 1 Claim. (Cl. 139—276.)



In a weft detector for looms, a plurality of detectors to engage the surface to be detected, a carrier on which said detectors are mounted, a plurality of weights one for each detector, a lay, a lever pivotally mounted with respect to the carrier, a cam carried by the lay to engage a portion of the lever to set the latter in motion gradually, and connections between the lever and the weights to impart the gradually increasing motion of the lever to the weights to the end that the inertia of the weights may be overcome gradually.

1,633,651. WEIGHT-CONTROLLED DETECTOR FOR LOOMS. KENNETH J. UNWIN, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1926. Serial No. 79,437. 6 Claims. (Cl. 139—276.)

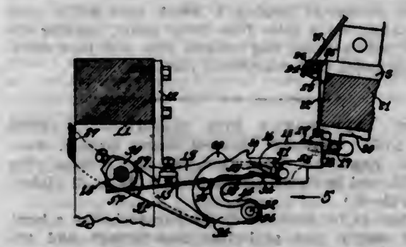


1. In a weft detector for looms, a detecting element having a movement which it derives from the moving yarn to be detected, means to return the detector to normal detecting position, and mechanism other than the detector to move said means out of operative relationship with the detector member prior to engagement of the latter with the yarn to be detected.

1,633,652. PHOTOGRAPHIC TRANSPARENCY AND METHOD OF COLORING SAME. ARTHUR G. WADDINGHAM, Jackson Heights, N. Y., assignor to Color Cinema Productions, Inc., New York, N. Y., a Corporation of Delaware. Filed May 8, 1926. Serial No. 107,789. 2 Claims. (Cl. 95—2.)

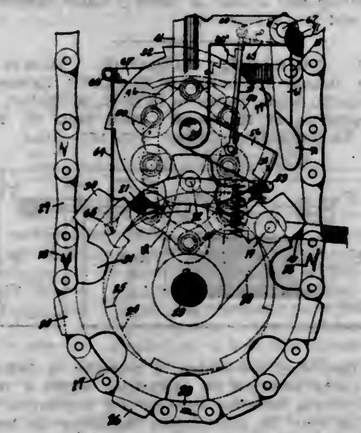
1. A process of coloring a photographic double coated motion picture film having developed images recording different color values of a scene on opposite sides of the film, which include bleaching the film on both sides, washing the film, applying to both sides of the film a bath including uranium nitrate, to color the images on both sides of the film red, washing the film, fixing the film, and, after washing the film again, subjecting the images recording the green color values of the scene to a bath composed of ferrous sulphate, ferric chloride, sulpuhric acid and water.

1,633,653. FILLING STOP MOTION FOR LOOMS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 14, 1925. Serial No. 75,183. 6 Claims. (Cl. 139—375.)



1. In a filling stop motion for looms, a shipper shaft, a movable actuating member having a pair of operating faces, a dagger movable back and forth in the loom and controlled as to its position by weft, means to shield one of said faces from the dagger when the actuating member is in initial position, means moving with the shipper shaft to hold the actuating member locked when the other face of the actuating member is in operative position with respect to the dagger, and connections to effect angular movement of the shipper shaft to stop the loom when the dagger engages said other operative face of the actuating member, the locking means moving with the shipper shaft out of locking position with respect to the actuating member when the shipper shaft moves to stop the loom.

1,633,654. CHAIN CONTROL FOR AXMINSTER LOOMS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 12, 1926. Serial No. 141,183. 10 Claims. (Cl. 139—7.)



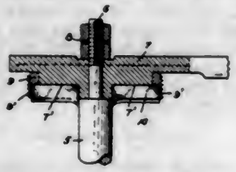
1. In an Axminster loom having a plurality of tube frames, a tube frame transporting chain, means to advance the same to present the tube frames one at a time to a position from which they are moved to the fabric being woven, and mechanism controlled by the transporting chain to arrest the movement of the latter for a plurality of picks, to the end that the same tube frame may be operative on a plurality of successive picks of the loom.

1,633,655. HAND-OPERATED CREASING DEVICE. HARRISON B. WALTER, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a Corporation of Delaware. Filed July 26, 1926. Serial No. 125,001. 5 Claims. (Cl. 92—70.)



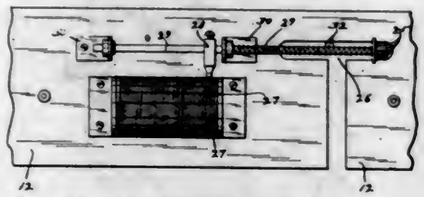
1. A creasing machine comprising a table, means providing a slot or groove in said table, a male member mounted on said table back of said slot or groove on an axis extending parallel thereto, said male member having an active element adapted to co-act with said slot or groove, and a hand lever for operating said male member.

1,633,656. APPARATUS FOR FILLING CONTAINERS WITH EXPLOSIVES. CECIL G. YOUNG, U. S. Army, Dover, N. J. Filed Feb. 8, 1926. Serial No. 86,944. 5 Claims. (Cl. 86—20.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



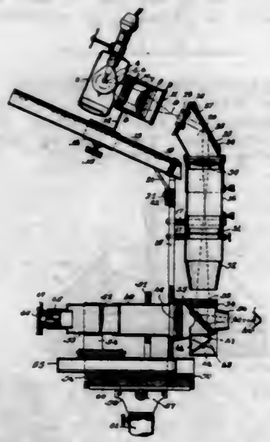
1. A former unit for use in charging containers with explosive comprising a ring securable in the loading aperture of a container, a handle member diametrically spanning the ring and fixed thereto, a member carried by the handle member centrally of the loading aperture of the container and a pair of cutting blades carried by the ring and handle members.

1,633,657. TIME-LOCK INDICATOR. THOMAS C. ADAMS, HAROLD A. NOYES, and EDWARD G. LAWRENCE, Minneapolis, Minn., assignors to O. B. McClintock Co., a Corporation of Minnesota. Filed Sept. 27, 1924. Serial No. 740,293. 7 Claims. (Cl. 177—311.)



1. In time clock mechanism, a plurality of lock-controlling clocks arranged for application within a vault, a time-of-release indicator arranged for application outside of the vault for continuously indicating the length of time remaining before release, and means whereby said indicator will be operated by the clock set for earliest lock-releasing action.

1,633,658. EYE-TESTING DEVICE. EARL J. BROWN, Chicago, Ill. Filed Oct. 26, 1922. Serial No. 596,922. 13 Claims. (Cl. 88—20.)



1. In an eye testing device, an optical lens system for observing the eye, a light transmission mirror disposed obliquely across the path of observation of said system and between said system and the eye under examination, means for projecting a beam of polarized light upon said mirror in such a manner that it will be reflected into the eye under observation, and an analyzer included in the lens system.

1,633,659. STEEL RAILING. FRANK CERNY, Berwyn, Ill. Filed Aug. 5, 1925. Serial No. 48,185. 4 Claims. (Cl. 256—72.)



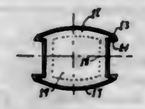
1. A fence or railing comprising a plurality of rolled-section metallic posts, and a cross rail extending through openings in said posts, said cross rail having a plurality of pairs of notches arranged to engage a portion of said posts for retaining said cross rail against lateral movement.

1,633,660. ARTIFICIAL TOOTH AND BRIDGEWORK. HENRY D. CHIPPS, Corinth, Miss. Filed Dec. 5, 1923. Serial No. 678,684. 1 Claim. (Cl. 32—9.)



In an artificial tooth having an upwardly extending front face portion, a root extension, an occlusion element, a saddle portion for the occlusion element positioned in the rear of the upwardly extending portion, a socket extending lengthwise of the tooth, a peripheral seat formed by a portion of the tooth projecting from the face of the tooth approximately at right angles to the socket, an extending portion from the seat integrally connected with the tooth for the purpose of receiving the occlusion element and holding it firmly in position, and a pin for the occlusion element adapted to interlock in the socket.

1,633,661. PROCESS OF MAKING WATCHCASES. ISIDOR DINSTMAN, New York, N. Y., assignor to Diel Watch Case Company, a Corporation of New York. Filed July 27, 1926. Serial No. 125,218. 4 Claims. (Cl. 29—179.)

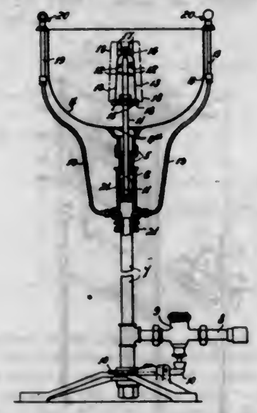


1. The process of making a watch case which comprises cutting out a piece from sheet metal, bending the edges to form a flange and integral lugs, and then thickening the metal that constitutes the lugs.

1,633,662. APPARATUS FOR WASHING GLASSES AND LIKE VESSELS. JOSEPH HENRY HARDIE, Morecambe, England. Filed Jan. 6, 1927, Serial No. 159,250, and in Great Britain Aug. 6, 1925. 2 Claims. (Cl. 141—3.)

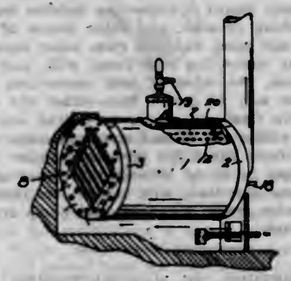
1. A washer for tumblers or the like, including a bowl, a water supply pipe projecting therethrough and terminating into a plurality of angularly disposed spray nozzles adapted to direct a spray tangentially upon the inner surface of a tumbler placed thereover, a rotary tumbler support mounted to rotate about said supply

pipe and support a tumbler to envelope said nozzles, a second supply pipe surrounding said support and adapted to direct a plurality of radial streams of water upon



the exterior of a tumbler placed upon said support, and means for connecting said supply lines to a source of water.

1,633,663. HIGH-PRESSURE STEAM BOILER. EDWIN A. HARDISON, Los Angeles, Calif., assignor to First National Bank & Trust Co., Santa Paula, Calif. Filed Apr. 18, 1921. Serial No. 462,100. 2 Claims. (Cl. 122—145.)



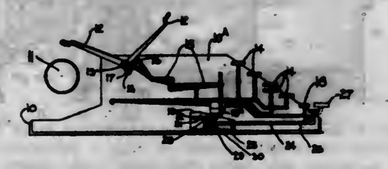
1. A steam boiler of the character set forth comprising a shell and two heads therefor to form a container, said heads provided with orifices and inner and outer grooved flanges; a flue open to said orifices and being formed with four flat sides having ends seated in said inner grooved flanges, said flue forming with said shell a chamber therebetween; criss-cross tubes for said flue communicating at their ends with said chamber; a flanged beam secured to the crown of said shell and forming a track; and a carriage secured to said flue and having an anti-friction trolley adapted to travel on said track to facilitate removal of the flue container when one of the heads is detached.

1,633,664. RADIATOR. LEWIS D. HARNETT, Columbus, Ohio, assignor to The Buckeye Blower Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 30, 1926. Serial No. 132,435. 1 Claim. (Cl. 257—139.)

In combination, headers, a plurality of pipe members connected to said headers having flat sides and rounded ends, the distance between said sides being materially less than the distance between said ends, and a series of plates having sleeves thereon adapted to fit over said pipes, and means on the ends of said plates formed at right angles thereto having inwardly turned ends, said ends engaging with the rear surface of the next adjacent plate whereby said plates are spaced from one another by broad bearing surfaces engaging the rear sides of each plate.



1,633,665. TYPEWRITER. JOHN HILGERT, Chicago, Ill. Filed July 6, 1925. Serial No. 41,586. 1 Claim. (Cl. 197—27.)



In a typewriter having a plurality of pivoted type-bars and mechanism for operating said type-bars, a pair of supports, an arm pivotally mounted on each support, a contact member connected with and extending between said arms, and adapted for movement with said arms, said contact member extending below said mechanism, a lever pivotally mounted on each of said supports below said arm, links connecting said levers with said arms, a spring connected to each of said levers for normally retaining said arms and contact member in lowered position, and a cross bar connecting said levers at their outer operative ends to afford simultaneous movement of same whereby a downward movement of the outer ends of said levers will cause an upward movement of said arms with the connecting contact member into engagement with the underside of said mechanism to thereby release the engaged type-bars.

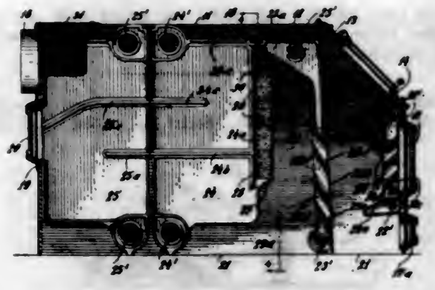
1,633,666. BOILER. FRANK B. HOWELL, Buffalo, N. Y. assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 23, 1920. Serial No. 432,687. 15 Claims. (Cl. 122—223.)



1. A boiler of the character described comprising front, rear and intermediate series of connected sections forming a fuel receptacle and a combustion chamber, and a series of connected sections constituting the back of the boiler; said series of sections disposed to the rear of the

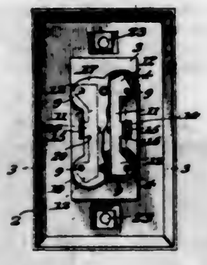
series constituting the front of said combustion chamber forming a series of flues extending from said combustion chamber to the smoke outlet of the boiler, substantially as specified.

1,633,667. BOILER. FRANK B. HOWELL, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 17, 1921. Serial No. 438,053. Renewed Nov. 22, 1926. 2 Claims. (Cl. 122—223.)



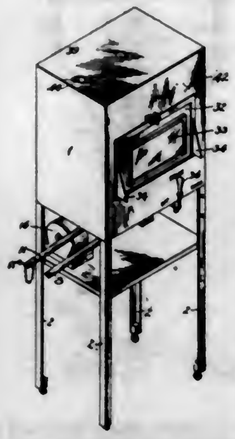
1. A boiler of the character described comprising front, rear and intermediate series of connected sections forming a fuel receptacle and a combustion chamber, and a series of connected sections constituting the back of the boiler; said series of sections disposed to the rear of the series constituting the front of said combustion chamber forming a series of flues extending from said combustion chamber to the smoke outlet of the boiler, each of said flues comprising a plurality of communicating parts arranged one above the other, substantially as specified.

1,633,668. DUPLEX RECEPTACLE. WILLIAM ILG, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed May 5, 1926. Serial No. 106,972. 3 Claims. (Cl. 173—330.)



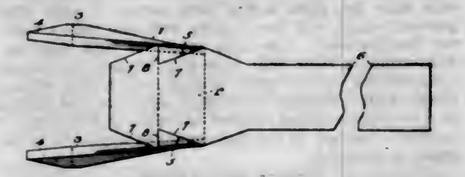
1. A duplex receptacle comprising a relatively thin face plate of insulating material provided at its inner face with spaced inwardly projecting enlargements having slots for the reception of knife contacts, spring contacts arranged within the slots of the enlargements, transversely spaced longitudinally disposed conductor bars bridging the intervening space between the enlargements and connecting the spring contacts and provided at the said intervening space between the enlargements with means for the attachment of electric wires.

1,633,669. DISHWASHING MACHINE. RUSSE J. IRVIN, Mount Vernon, N. Y., assignor to Robert C. Mitchell, Mount Vernon, N. Y. Filed May 19, 1923. Serial No. 640,035. 9 Claims. (Cl. 141—9.)



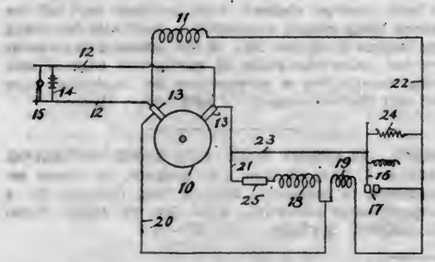
1. A dish washing machine comprising a housing, a dish washing chamber in the lower part thereof, a combined supply and rinse water tank located above said washing chamber having an overflow communicating with said dish washing chamber whereby said chamber may be filled through said tank, a movable dish support within said chamber, spraying means within the chamber for directing jets of water against dishes placed on said support, a pump, means of connection between said pump and said washing chamber, and other means of connection between said pump and said rinse water tank, means for alternately connecting said pump with, and disconnecting it from, the other of said connections at will whereby water may be drawn from either the washing chamber or the rinse water tank as desired, and a connection from said pump to said spraying means whereby water drawn from either the washing chamber or rinse water tank may be forced through said spraying means for the purpose described, with means for limiting the amount of water freely drawn by said pump from said rinse water tank.

1,633,670. METHOD OF MANUFACTURING DRAFT YOKES. BYRON W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Sept. 2, 1922. Serial No. 585,946. 8 Claims. (Cl. 29—167.)



1. The method of manufacturing a hooded draft yoke which consists in forming the hooded end portion by piercing a billet, cutting away portions of oppositely disposed walls of said pierced billet, the uncut portions of said walls forming bands for connecting the other two oppositely disposed walls, undercutting the inner faces of said outer surfaces of said bands, and finally connecting the loop member at its free ends to said bands and to the adjacent uncut walls to complete the yoke.

1,633,671. GENERATOR REGULATION. BENNETT M. LEECE, Cleveland, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 10, 1925. Serial No. 74,450. 4 Claims. (Cl. 171—229.)



1. In a system of the character described, a generator, a regulator therefor comprising a vibratory member and a coil for vibrating the same, and means for causing the ampere turns of the regulator coil to be gradually increased for a time after the generator is started.

1,633,672. INDICATING INSTRUMENT. LEWIS A. MAPEL, St. Louis, Mo., assignor to The Automatic Appliance Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 7, 1920. Serial No. 415,316. 13 Claims. (Cl. 73—54.)



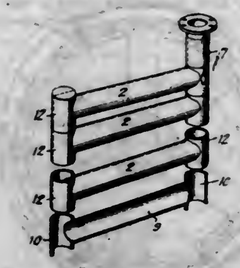
1. An apparatus for indicating the head of a liquid in a vehicle tank wherein the liquid splashes while the vehicle is in motion, comprising, an indicating device connected with the tank and having an element which is responsive to the varying head of the liquid in the tank, means cooperating with and for establishing a datum level for said indicating device, including a cup arranged within the tank and spaced from the wall thereof, and a liquid gathering element arranged to engage the wall of the tank and leading to said cup in order to maintain such datum level uniform.

1,633,673. LIQUID-LEVEL GAUGE. LEWIS A. MAPEL, St. Louis, Mo., assignor to The Automatic Appliance Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 25, 1920. Serial No. 419,552. 7 Claims. (Cl. 73—54.)



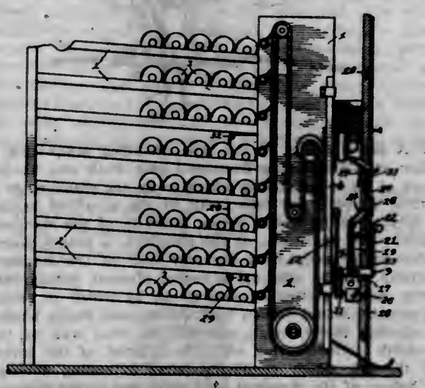
1. An apparatus for indicating the head of a liquid in a vehicle tank wherein the liquid splashes while the vehicle is in motion, comprising, an indicating device connected with the tank and having an element which is responsive to the varying head of the liquid in the tank, means cooperating with and for establishing a datum level for said indicating device, including a cup arranged within the tank and spaced from the wall thereof, and a liquid gathering element arranged to engage the wall of the tank and leading to said cup in order to maintain such datum level.

1,633,674. BOILER. THOMAS E. MURRAY, Brooklyn, N. Y. Filed July 10, 1922. Serial No. 573,928. 3 Claims. (Cl. 122—226.)



1. A boiler including in combination a number of units each comprising a pair of headers and communicating tubes spaced apart from each other and extending between said headers; each unit being formed of a number of identical sections comprising a communicating tube with a short tubular member across each end, which tubular members are butt welded to one another end to end to form the headers; and each such section being formed of two identical segments butt welded to each other along their edges, each segment being an integral piece of sheet metal of uniform thickness, the central part of which constitutes substantially one-half of a communicating tube and the ends of which constitute halves of said short tubular members.

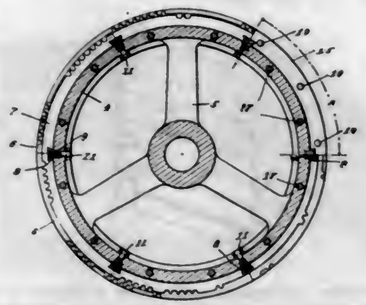
1,633,675. COIN-CONTROLLED ACTUATING MECHANISM FOR DISPENSING MACHINES. FREDERICK R. OLIVER, Los Angeles, Calif. Filed Jan. 16, 1926. Serial No. 81,682. 4 Claims. (Cl. 194—85.)



1. A coin controlled operating mechanism for dispensing machines comprising a pivotally movable arm provided with an arcuate downward lateral extension formed upon the outer end thereof and having a slot formed longitudinally therein to receive and normally retain a coin, the arcuate sides of the slots being arranged to engage the adjacent faces of the coin to hold said coin against pivotal movement within the slot; a lever pivotally mounted upon an axis in common with the arm,

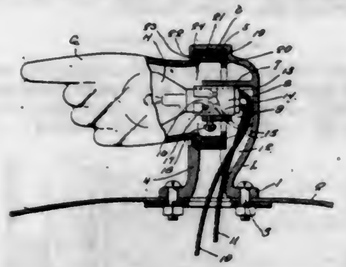
said lever being normally movable past the extension and arranged to engage a coin held in the slot of said extension; and means for pivotally moving the lever to engage the coin and thereby move the arm to operate the dispensing mechanism.

1,633,676. PATTERN CYLINDER FOR KNITTING MACHINES. WILLIAM S. PARKER, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed June 25, 1924. Serial No. 722,197. 11 Claims. (Cl. 66—66.)



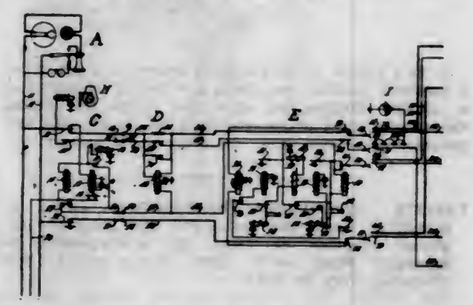
1. A pattern cylinder comprising a drum, plural series of elongated segmental pattern plates detachably mounted on the periphery of the drum, each of said plates being peripherally contoured to a predetermined desired form, and means for holding the plates of the different series in end to end alignment.

1,633,677. AUTOMOBILE SIGNAL DEVICE. FRANCIS A. PURCELL, Brooklyn, N. Y. Filed Mar. 20, 1925. Serial No. 17,099. 4 Claims. (Cl. 177—329.)



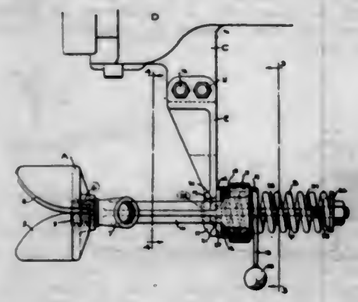
2. A signal device of the type described comprising a hollow standard having front and rear walls and having means at its lower end by which to fix the standard to a suitable support, the front wall of the standard having an opening therethrough facing laterally of the standard adjacent the upper end of the standard, a hollow sleeve projecting laterally from the rear wall of the standard centrally of said opening, a socket element within said sleeve, means carried by said sleeve by which to retain the socket element within said sleeve, said sleeve having an opening therethrough adjacent the rear wall of the standard communicating with the interior of the standard through which conductor wires extending through the hollow of the standard may reach the socket element, a lamp carried by the socket element projecting exteriorally of the standard through the opening, a hollow glass indicating element telescoping over said lamp and having an attaching portion projecting into said opening, a cushion element surrounding the attaching portion of the indicating element and fitting snugly between said attaching portion and the surrounding wall of the opening, said cushion element having a part interposed between the end edge of the indicating element and a rear wall portion of the standard to resiliently limit the movement of the indicating element into said opening, a separately formed retaining member engaging between the indicating element and a wall portion of said opening to retain the indicating element in close engagement with said cushion element, and the rear wall of the standard being shaped to provide a vertically extending recess internally at the rear of the standard continuous above and below the plane of the bottom edge of said opening constituting a passage-way for conductor wires about said cushion element to said socket element.

1,633,678. ELAPSED TIME AND ZONE METERING. ARTHUR J. RAY, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 22, 1923. Serial No. 614,093. 9 Claims. (Cl. 179—9.)



1. In a multi-office telephone system, automatic switches including a selector for setting up local connections in each exchange, a repeater for cooperating with said selector to establish inter-exchange connections, elapsed time meters for the calling subscribers, a constantly operating meter mechanism connected to certain bank contacts of the selector and directly effective, when such selector is used to set up a local connection to operate the meter of the calling party periodically for the duration of a call, an auxiliary switch associated with said repeater having a wiper connected to other bank contacts of said selector, other meter operating mechanisms accessible to said wiper, and circuit arrangements such that when an inter-exchange connection is established said auxiliary switch wiper is positioned to cause the calling party's meter to be directly operated by a particular one of said last mechanisms instead of by the first.

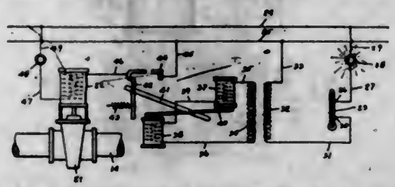
1,633,679. AUTOMATIC TRAIN-PIPE COUPLING. JOSEPH ROBINSON, New York, N. Y. Filed Nov. 23, 1920, Serial No. 426,025. Renewed Nov. 12, 1925. 18 Claims. (Cl. 285—58.)



1. In an automatic train pipe coupling, the combination of a coupling head and a supporting bracket therefor, of means for extending said head and for varying

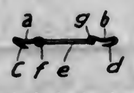
the distance between the head and said bracket, said means comprising a spring the coils of which are adapted to be deflected or constrained when mating coupling heads couple up in service, and a device engaging one end of said spring and serving to adjust said head forward of the bracket without varying the number of coils of the spring that are deflected or constrained upon coupling of said mating heads, and means for anchoring the other end of said spring to said bracket.

1,633,680. TEMPERATURE CONTROL. JOHN J. SCHLOSSER, Frankfort, Ind., assignor to Schlosser Brothers, Frankfort, Ind., a Corporation. Filed Feb. 2, 1926. Serial No. 85,529. 3 Claims. (Cl. 236—78.)



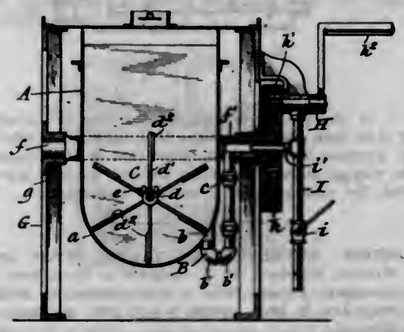
1. In a heating system, the combination of a source of energy, a source of heat, a valve therefor, an electrical circuit connected to said source of energy and controlling the valve including a switch, another circuit connected to the source of energy and including a temperature responsive switch, and a third circuit magnetically connected to the last mentioned circuit and including means mechanically connected to said first mentioned switch for controlling the same, whereby said last mentioned circuit controls said first mentioned switch.

1,633,681. FASTENER PARTICULARLY FOR BANDAGES. RICHARD SCHUFTAN, Wilmersdorf, near Berlin, Germany. Filed Apr. 5, 1926, Serial No. 99,826, and in Germany Apr. 15, 1925. 3 Claims. (Cl. 24—87.)



1. A fastening, particularly for bandages, consisting in combination of two hook shaped members having back portions curved inwardly towards the open side of the hook and oppositely disposed teeth lying somewhat parallel to the inclined portion of the back located opposite thereon; an elastic medium connecting said portions with each other; and means provided on said members serving to secure the elastic medium.

1,633,682. CONCRETE MIXER. KARL R. SCHUSTER, Hopatcong, N. J. Filed Apr. 28, 1924. Serial No. 709,483. 12 Claims. (Cl. 83—73.)

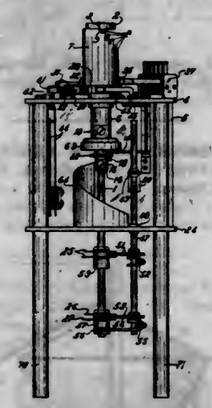


1. In a mixer, a dumpable receptacle, an agitator mounted within said receptacle and movable therewith in the discharge of a mixed mass therefrom, and means for feeding fluid under pressure, whereby the energy of said fluid is utilized for rotating said agitator and for agitating the materials composing the mass within the receptacle.

1,633,683. CELLULOSE-ESTER COMPOSITION. GEORGE L. SCHWARTZ, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 15, 1923. Serial No. 645,677. 41 Claims. (Cl. 134—79.)

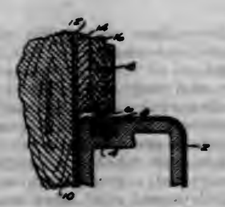
1. A composition of matter comprising nitrocellulose and a mixed ester of a lower and a higher saturated fatty acid, the alcohol radical of said ester being that of a polyhydric alcohol having between 1 and 4 hydroxyl groups.

1,633,684. AUTOMATIC TELEPHONE-SWITCHING APPARATUS. HANS SENGEBUSCH, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 27, 1925. Serial No. 52,731. 40 Claims. (Cl. 179—27.5.)



1. An automatic switching mechanism having a vertically and radially movable shaft provided with wipers, terminals arranged in horizontal rows accessible to said wipers, an electromagnet having only one pawl operated thereby, means including said electromagnet and pawl for moving said wipers vertically to select a certain desired row, and for then moving said wipers radially to select certain terminals within said row, said means also operative for moving said wipers into normal position.

1,633,685. BUILDING STRUCTURE COMPRISING WATER RECEPTORS. CHARLES W. STARK, Trenton, N. J. Filed Dec. 30, 1926. Serial No. 157,916. 3 Claims. (Cl. 72—0.5.)



1. In a building construction a wall, a water receptor of the type described having a portion built into the wall, a recess with a restricted opening formed in the upper

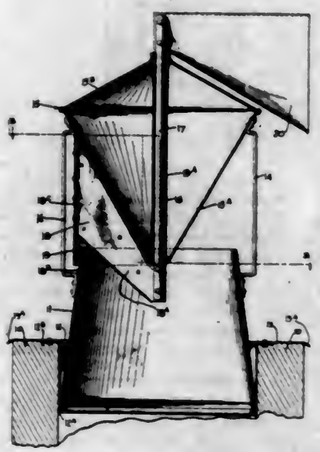
face of that portion of the receptor which extends into the wall, a metal plate anchored by cement in said recess and extending upwardly therefrom, and cement, forming part of the wall, embracing the upper portion of said metal plate but not anchored thereto, whereby a joint is formed between the receptor and the wall which will provide a water stop both at the time when the receptor is built into the wall and after relative movement of the receptor and the wall has taken place.

1,633,686. GOLF TEE. ANDREW J. STONE, Paris, France. Filed Sept. 11, 1926. Serial No. 134,788. 5 Claims. (Cl. 273—33.)



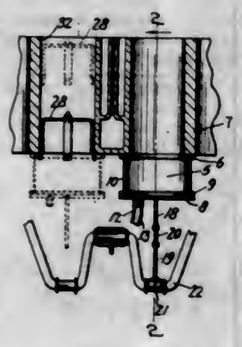
5. A golf tee comprising a pin having a cup shaped head and a subuliform rubber protective casing disposed about said pin.

1,633,687. CHIMNEY-DRAFT REGULATOR. JOSEF SUBERT, Oak Park, Ill. Filed Oct. 1, 1924. Serial No. 741,074. 5 Claims. (Cl. 98—71.)



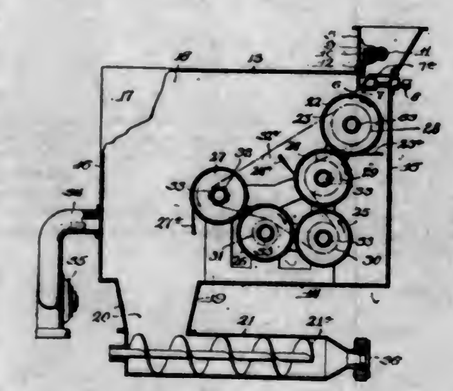
1. In a chimney draft control, the combination of a body adapted for mounting on the top of a chimney, a deflector having an inverted conical surface and being mounted above said body and rigidly thereto, a tubular member extending vertically and centrally through said deflector, a rotatably mounted mast comprising a round bar passing through said tubular member and projecting above and below said deflector, a shield positioned between said body and said deflector, said shield being rigidly connected to said mast below said deflector, and means responsive to wind pressure for controlling the position of said shield, said means comprising a sheet metal vane rigidly connected to the upper portion of said mast.

1,633,688. WASTE RECEIVER. MAXIMILIAN W. THARTE, Denver, Colo. Filed Nov. 2, 1926. Serial No. 145,868. 2 Claims. (Cl. 51—270.)



1. The combination of a waste receiver comprising a receptacle adapted to engage an open-ended engine block below the cylinder, and means cooperative with the crank shaft for holding the receptacle in engagement with the block.

1,633,689. PROCESS OF TREATING SOAP. ADOLPH F. THAL, Chicago, Ill. Filed July 16, 1925. Serial No. 44,082. 2 Claims. (Cl. 87—16.)

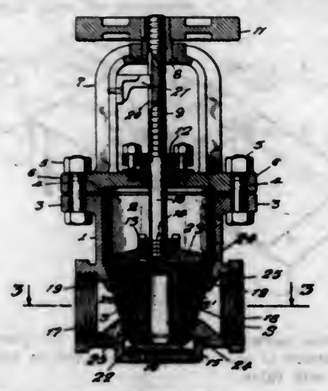


1. In the process of treating soap for the production of cake soap and soap flakes in a chamber in which the air pressure is maintained below that of the atmosphere, the step of milling saponified material as it is taken hot from the soap kettle in a rarefied atmosphere.

1,633,690. NONREVOLUBLE VALVE. WYLIE GEMMEL WILSON, Elizabeth, N. J., assignor to Loose Seat Valve Company, Dover, Del., a Corporation of Delaware. Filed Jan. 6, 1926. Serial No. 79,576. 2 Claims. (Cl. 251—61.)

1. A conical sealing member of dense, slightly compressible material; means for reciprocating said member; a cooperating, conical sealing wall provided with

ports; the sealing member having, opposable to each port, a recess longer in the direction of the movement of the sealing member than the corresponding dimension



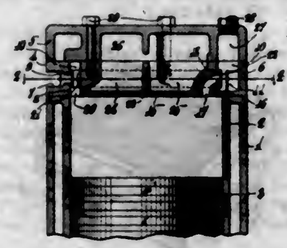
of the immediately opposable port, the recesses being spaced apart and each wholly enclosed by a sealing face contactible with the conical sealing wall around the ports.

1,633,691. PRINTING PRESS. MARTIN W. BRUESHABER, Chicago, Ill., assignor to Goss Printing Press Company, Chicago, Ill. Filed July 2, 1923. Serial No. 648,958. 11 Claims. (Cl. 101—152.)



1. An intaglio printing press including in combination a printing couple including a full width intaglio printing cylinder, a plurality of narrow width intaglio cylinders variably positionable across the press relatively to the full width intaglio cylinder and relatively to each other and a corresponding plurality of devices for individually inking the narrow intaglio cylinders, each of which is independently variably positionable across the press.

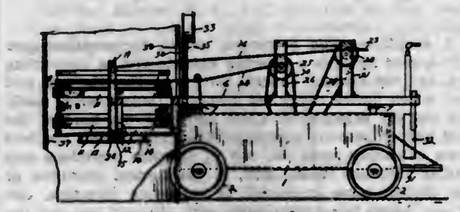
1,633,692. VALVE MECHANISM. LEWIS J. CLAPP, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 18, 1921, Serial No. 453,513. Renewed Sept. 28, 1926. 21 Claims. (Cl. 230—34.)



1. In a compressor valve mechanism, coaxial valve seating surfaces, inlet and discharge ports traversing said surfaces, and a single radially flexible valve cooperating with said ports.

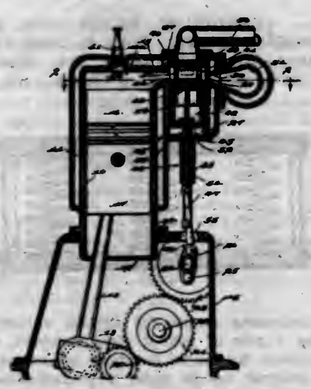
13. In a pump valve mechanism, a housing having a chamber formed therein, a portion of whose inner periphery is semi-cylindrical and also provided with a portion cut back opposite said semi-cylindrical portion, a member disposed within said chamber and having a portion of its periphery semi-cylindrical, a portion opposite said semi-cylindrical portion cut back from a cylindrical surface, the semi-cylindrical portions of said member and said housing being disposed opposite the cut back portions of the housing and member, ports traversing the semi-cylindrical portions of the peripheries of the member and housing, a single valve member cooperating with said ports, flow passages communicating with said ports, and flow passages communicating with the cut back portions of said member and housing.

1,633,693. CUPOLA-CHARGING CAR. JOSHUA K. CLUTTS, Detroit, Mich. Filed Sept. 21, 1925. Serial No. 57,586. 25 Claims. (Cl. 214—18.)



1. In combination, a receptacle having an outlet at its lower end, a pair of downwardly opening pivotal closures controlling said outlet, and a pair of toggle links connecting said closures and establishing a common control thereof, and positioned beneath said receptacle.

1,633,694. ENGINE VALVE. ARTHUR E. COLCHESTER, Dorchester, Mass. Filed Nov. 13, 1925. Serial No. 68,860. 5 Claims. (Cl. 123—79.)



1. In an internal combustion engine, the combination of a cylinder having a port, a valve casing connected with the cylinder, a stationary sleeve in the casing spaced from the casing to provide an annular passage, said sleeve having ports connecting the interior of the sleeve with said passage, an exhaust port in the casing in communication with the passage, a sleeve slidably mounted between the stationary sleeve and the casing and adapted to cover the ports in the casing, cylinder, and stationary sleeve a piston valve slidably mounted in the stationary sleeve and adapted to control the ports in said sleeve, means for reciprocating the slidable sleeve and piston valve and an intake pipe connected with the casing above the stationary sleeve, so that when the piston valve is

moved to the opposite end of the sleeve, said valve will aid in drawing in a fuel charge into the sleeve, in advance of the opening of the ports in said sleeve by the piston valve.

1,633,695. STEERING-GEAR-CENTERING DEVICE. GEORGE F. COLLEY, Richmond, Va., assignor to Hugh H. Weedon, Richmond, Va. Filed July 30, 1925. Serial No. 47,129. 1 Claim. (Cl. 280—93.)



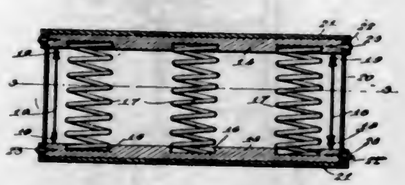
A stabilizing and protecting device for steering gear which gear includes a steering knuckle arm, a connecting rod, and the steering knuckle bolt connecting the arm and rod, which device comprises a substantially conical resilient coil for engagement about and over the head of the said bolt to prevent accidental loss thereof, and resilient arms extending from the coil in opposite directions and having terminal hooks, both, in the normal condition of the device, being presented in the same direction, one of said hooks being engageable with the said rod and the other engageable with the steering knuckle arm.

1,633,696. STENCIL SHEET. ALEX BROOKING DAVIS, Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 26, 1925. Serial No. 65,051. 18 Claims. (Cl. 41—38.6.)

1. A type-impressible stencil sheet comprising a porous base having a coating including pectin.

11. As a new article of manufacture, coagulated pectin.

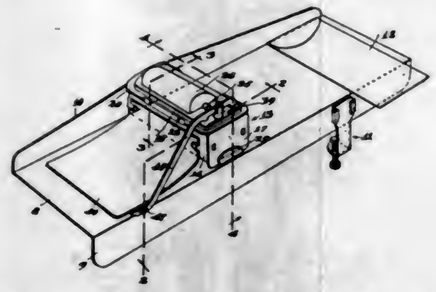
1,633,697. CUSHIONING MEANS FOR TILTABLE AUTOMOBILE SEATS. CECIL C. DAVIS and GEORGE I. CLARKE, West Palm Beach, Fla. Filed June 3, 1926. Serial No. 113,518. 2 Claims. (Cl. 267—70.)



1. A cushioning means for tiltable automobile seats comprising a pair of spaced rigid members, a resilient means between the spaced members, means for maintaining the resilient means under a predetermined tension and for retaining the rigid members in spaced relation, a covering secured to the end and side edges of the rigid members and forming a closure to house the resilient means.

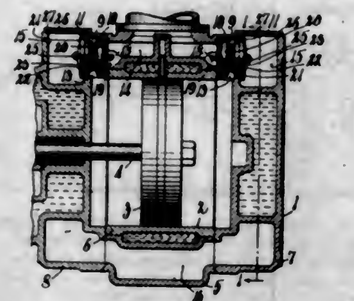
1,633,698. ENVELOPE SEALER. DWIGHT C. DAVIS, Monterey Park, Calif. Filed Feb. 16, 1925. Serial No. 9,409. 5 Claims. (Cl. 91—54.4.)

4. An envelope sealing device of the character described, comprising a base plate having an upwardly projecting side flange, a housing carried by said flange and projecting above the upper surface of the base plate in spaced relation thereto, an inclined tray arranged beneath said housing, an absorptive pad carried by said tray, a reservoir carried by said housing having a discharge orifice through which liquid may be delivered to the upper portion of said tray, a valve normally closing said orifice, and a lever for opening said valve having an



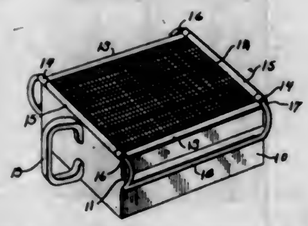
end portion normally projecting below the plane of the upper surface of said base plate adapted on being lifted to open said valve.

1,633,699. COMPRESSOR OR PUMPING MECHANISM. FRANK A. HALLECK, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 14, 1924. Serial No. 699,191. 14 Claims. (Cl. 230—34.)



1. In a pump, a cylinder, a head therefor, a valve cage, means common to said cylinder, said head and said cage for holding said several elements assembled, and means whereby said cage is removable while said head is retained in its operative relation to said cylinder.

1,633,700. GRATER. CHARLOTTE B. HAWKINS, Parkdale, Ark. Filed June 7, 1926. Serial No. 114,339. 3 Claims. (Cl. 146—180.)



1. In combination, a receptacle, a grate constituting a closure therefor and comprising a foraminated body portion, metallic members binding the edges of said body portion, a reinforcing frame-like structure forming part

of the grate and extended beyond the sides thereof to provide handles, and means carried by the receptacle and cooperating with said handles for holding the grate against displacement upon the receptacle.

1,633,701. SOUNDING LINE. ELBERT J. HAYNES, Cleveland, Ohio. Filed Jan. 18, 1926. Serial No. 82,161. 8 Claims. (Cl. 137—90.)



1. A cable comprising a hose, an elongated flexible tension member substantially covering said hose, a tubular armor embracing said tension member comprising groups of sections seating lengthwise of the cable upon each other, and abutments fixed upon said tension member beneath said groups, each abutment receiving the accumulated thrust of the armor sections of the overlying group and transmitting such thrust to said tension member.

1,633,702. BUILDING STRUCTURE. JAMES MONROE HEWLETT and RICHARD BUCKMINSTER FULLER, Lawrence, N. Y., assignors to Stockade Building System, Inc., a Corporation of New York. Filed Oct. 8, 1926. Serial No. 140,234. 5 Claims. (Cl. 72—45.)



1. A building structure comprising a stockade-like series of vertical concrete columns, horizontal concrete beams substantially integral therewith connecting said columns, and adapted to distribute a load thereto, non-integral beams having ends resting on said horizontal concrete beams and compressible fibrous blocks embracing said concrete elements and filling the air spaces between them, and also embracing the ends of said non-integral beams whereby said non-integral beams are located in proper spaced relation to each other and the spaces between the ends thereof are substantially sealed.

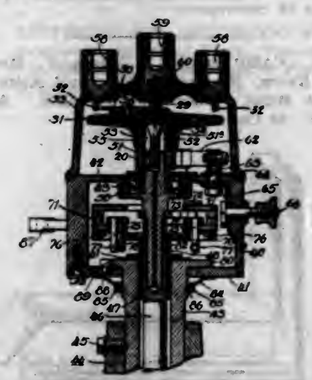
1,633,703. SIGN-MAKING DEVICE. JIRO KAJI, Vancouver, British Columbia, Canada. Filed Oct. 18, 1924. Serial No. 744,484. 2 Claims. (Cl. 33—174.)

1. A device for facilitating the painting of signs comprising a body having a straight edge and also having at its straight edge side a projection shaped to form a letter of the alphabet; said body also having on its face and



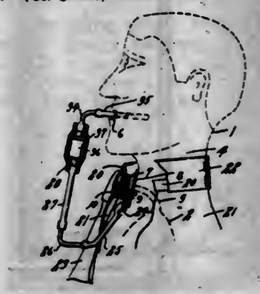
extending from its straight edge scale lines defining fractions of an inch, the scale lines being positioned at opposite sides of the projection forming the letter.

1,633,704. IGNITION APPARATUS. RAYMOND P. LANSING, Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Mar. 17, 1924. Serial No. 699,834. 3 Claims. (Cl. 200—21.)



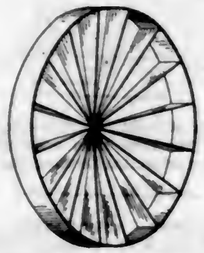
2. A breaker-distributor unit comprising a casing, a supporting sleeve mounted in fixed position and extending through a wall of said casing, said sleeve having an annular flange engaging the inner surface of said wall, a spring washer extending around said sleeve and engaging the outer surface of said wall opposite said flange, and means including a locking ring for detachably securing said spring washer in position.

1,633,705. BREATHING AND VOCAL ATTACHMENT. ELMER I. MCKESSON, Toledo, Ohio, assignor to The Vocophone Company, Toledo, Ohio, a Corporation of Ohio. Filed June 22, 1925. Serial No. 38,680. 7 Claims. (Cl. 3—1.)



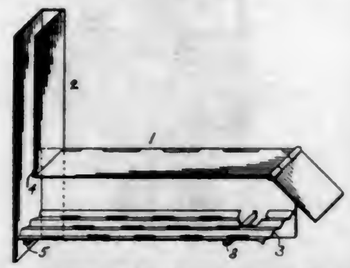
1. The combination with a lung duct connection of an air column vibrator, a duct connection thereo, of a check valve for permitting intake air to said connection to by-pass said vibrator.

1,633,706. X-RAY SCREEN FOR TAKING SKIAGRAMS. RUDOLF MANNL, Karlsbad, Czechoslovakia. Filed July 9, 1925, Serial No. 42,503, and in Czechoslovakia July 11, 1924. 4 Claims. (Cl. 250—34.)



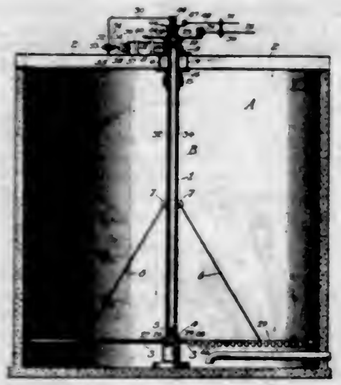
1. An X-ray screen having plates converging in a common point, said plates being of decreasing height toward said point of convergence.

1,633,707. CAMP STOVE. GEORGE F. MILLER and FLOYD KEITH, Menomonie, Wis.; said Keith assignor to said Miller. Filed May 17, 1924. Serial No. 713,910. 12 Claims. (Cl. 126—9.)



1. In a camp stove, a three-part hinged body portion, and a rigid chimney detachably coacting therewith of size permitting insertion therein of said body portion.

1,633,708. AGITATOR. ROLAND E. MINOGUE, Manitowoc, Wis., assignor of one-third to Henry Vanderwerp, Manitowoc, Wis. Filed Sept. 28, 1925. Serial No. 59,100. 22 Claims. (Cl. 259—24.)



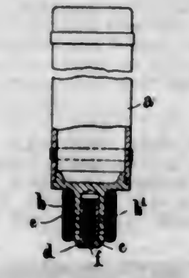
1. In an agitator, the combination of a rotatable shaft, means for rotating said shaft, an agitator bar secured to said shaft, a source of supply of air under pressure, means defining channels adapted to communicate with said source of air supply comprising pipes the discharge ends of which, respectively, are positioned on the agitator bar at different distances from the axis of the agitator shaft, and means for controlling the admission of air from said source of air supply to said distributing channels operating to admit air thereto during predetermined spaced intervals of time.

1,633,709. FILTERING ELEMENT. JOHN J. NAUDLE, Brooklyn, N. Y. Filed Jan. 12, 1924. Serial No. 685,822. 23 Claims. (Cl. 210—195.)



1. A filtering element comprising a metal screen provided with an edge binding of U-shaped cross-section and consisting of perforated metal.

1,633,710. TRENCH MORTAR AND THE LIKE. HENRY NEWTON, Darley, near Derby, England. Original application filed Nov. 17, 1917, Serial No. 202,475, and in Great Britain Mar. 22, 1916. Divided and this application filed Mar. 11, 1922. Serial No. 543,001. 5 Claims. (Cl. 102—29.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A charge for trench mortars and other low pressure guns comprising a metal container having gas apertures, a primary charge within said container, and a secondary charge spaced from said primary charge by said container.

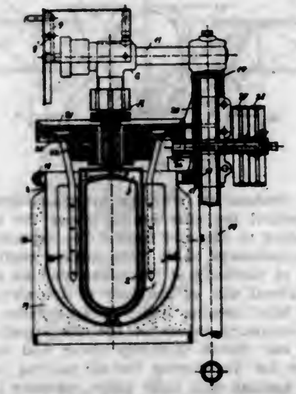
3. A projectile for trench mortars and other low pressure guns comprising a body portion containing explosive, tail vanes secured upon the end of said body portion, and a propellant charge located and retained between said vanes.

1,633,711. VITAMIN FOOD PRODUCT AND METHOD. ROBERT K. PRINCE, Westfield, Mass., assignor to Vitamin Food Co., Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 2, 1925. Serial No. 280. 12 Claims. (Cl. 99—11.)

3. A vitamin food product consisting of granules of dried yeast, each granule being impregnated with an oil rich in vitamin A and coated with a film of edible air-excluding substance.

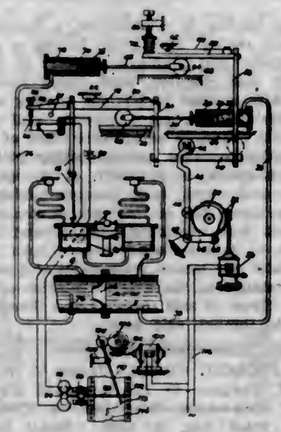
10. The method of producing a vitamin-containing foodstuff which consists in mixing a dried yeast in granular form with an oil rich in vitamin A until the granules absorb the oil and thereafter thoroughly stirring into the mass of oil-impregnated granules a solution of Karaya gum and then drying said mass, whereby each granule is provided with an air-excluding film.

1,633,712. ICE-MAKING MACHINE. MAX RIBI, Zurich, Switzerland, assignor to Catharina Ribi, Zurich, Switzerland. Filed Sept. 14, 1925, Serial No. 56,854, and in Switzerland Sept. 29, 1924. 5 Claims. (Cl. 62—105.)



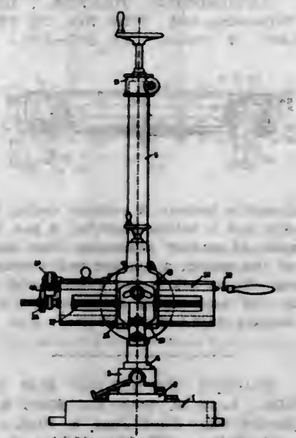
1. In an ice making machine, an upright support, a pair of superposed horizontal supporting members carried by said upright support, a valve casing mounted upon the upright support above the upper horizontal supporting member, an outer receptacle detachably suspended from the lower horizontal supporting member, a pair of cylinders disposed one within the other and forming an expansion chamber between them, said cylinder being arranged with the receptacle so as to form a freezing chamber between the receptacle and the inner cylinder, suspending means for said cylinders extending upwardly through the upper horizontal supporting member and fastened to the valve casing, said suspending means being provided with refrigerant flow passages connecting said valve casing and expansion chamber, and valve means in the valve casing for controlling the flow of the refrigerant.

1,633,713. COMPOUND SYSTEM FOR TRANSMITTING A PLURALITY OF VALUES. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Jan. 15, 1924, Serial No. 686,329, and in Czechoslovakia Jan. 15, 1923. 2 Claims. (Cl. 177—351.)



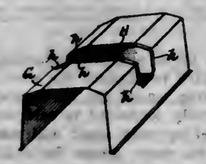
1. In a system for transmitting variable conditions, the combination of a plurality of sensitive devices each movable responsive to and corresponding to variations in the magnitude of one of a plurality of different component conditions, a lever system including a plurality of levers, means connecting one end of one of said levers to one of said devices, means connecting the other end of said lever to one end of a second lever, means connecting the other end of said second lever to one end of a third lever, means for applying a constant auxiliary force to the other end of said third lever, a movable fulcrum intermediate the end of each of said levers, means for varying the position of the fulcrum of the second lever in regular cycles of equal intervals of time, means cooperating with the first-mentioned end of said first-mentioned lever for producing impulses of auxiliary energy, and operative connections between each of the fulcrums of the first-mentioned lever and the third lever and two others of said sensitive devices respectively for varying the positions of said fulcrums corresponding to the magnitudes of the respective component conditions, whereby during each of said cycles an impulse of auxiliary energy is produced the time position of which in said cycle is a function of the resultant value produced by compound action of said component conditions.

1,633,714. UNIVERSAL AND AUTOMATIC MACHINE TOOL. ALEXANDER SCHWOB, Paris, France. Filed June 6, 1923, Serial No. 643,699, and in France June 2, 1922. 6 Claims. (Cl. 29—33.)



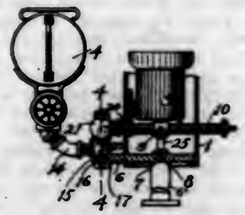
1. In a universal and automatic machine tool, a base plate, a column on the base plate, a sleeve on the column, collars on the sleeve, rods movable in said collars, a plate fixed to said rods to serve as carrier for interchangeable tools, means to adjust the latter, means to ensure the automatic advance and stroke of the tool, in the necessary direction, and means to operate the machine.

1,633,715. CONCRETE FORM FOR BUILDING CONSTRUCTION. ELWYN EGGLESTON SEELYE, New York, N. Y., assignor of one-half to National Concrete Metal Forms Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 23, 1924. Serial No. 708,379. 7 Claims. (Cl. 25—131.5.)



1. In a structure of the class described, a mold provided with a transverse slot and a header-beam mold positioned in said slot and separable from said mold.

1,633,716. BURNER FOR HOT-WATER HEATERS. PETER S. SINCLAIR, Holyoke, Mass. Filed May 8, 1923, Serial No. 637,478. Renewed Sept. 22, 1926. 8 Claims. (Cl. 158—36.)



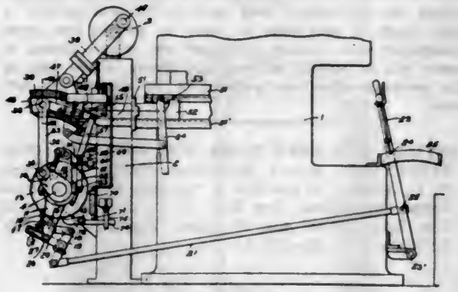
1. In a burner, a burner element, a bearing plate for supporting the burner, said plate having an arc-shaped groove therein and an opening concentric with said groove, an oil supply pipe on which the burner element is mounted, pivotally secured in the opening in the bearing plate, and a support for the burner element secured to the oil supply pipe and disposed in the arc-shaped groove.

1,633,717. AUTOMOBILE HEATER. HERBERT B. TYLER, Valparaiso, Ind. Filed Nov. 22, 1923. Serial No. 676,452. 9 Claims. (Cl. 257—136.)



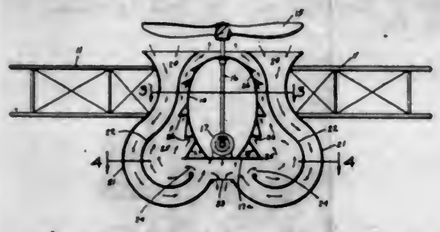
4. In automobile heaters, a suitable casing having side and end walls and a bottom therefor, a pan having side and end walls of smaller dimension than the side and end walls of the casing, a heating unit contained in the pan, pivoted elbows below the casing, and means for holding the pan and casing in assembled relation between the heating unit and the elbows.

1,633,718. SPACING MECHANISM FOR PUNCHING MACHINES. LARS H. VOLD and KARL R. HAMMERSTROM, Butler, Pa. Filed June 2, 1926. Serial No. 113,152. 21 Claims. (Cl. 164—116.)



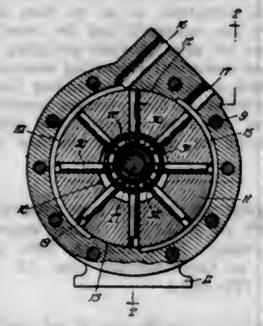
1. In a punch press a feed mechanism comprising a work carrier adapted to advance the work in the path of the punch, actuating means for the carrier comprising a feed shaft operatively connected to said carrier, a ratchet mechanism carried by said shaft and adapted to intermittently rotate the same, means for automatically operating said ratchet mechanism, manually operated means for said ratchet mechanism to advance the work carrier to a predetermined starting point.

1,633,719. AIRPLANE. HENRY WISSE, Anderson, Ind. Filed Sept. 28, 1926. Serial No. 138,205. 4 Claims. (Cl. 244—18.)



1. The combination with an airplane having a body, of a horizontal propeller central above the body of the plane tending to lift and control the vertical movement thereof, a horizontal baffle plate secured centrally on the underside of the body of the plane, and an air chamber on each lateral side of the body of the airplane having an upper inlet opening under said propeller for receiving the downward thrust of the air therefrom and at its lower end curved upwardly under and towards said baffle plate for discharging the air passing therethrough upwardly against said baffle plate, whereby the air currents through said chambers will tend to lift the body of the airplane and resist swaying movement of the airplane while rising or descending.

1,633,720. PUMP. IRVEN H. WILSEY, Chicago, Ill., assignor to J. B. Tuthill, Chicago, Ill. Filed Aug. 24, 1925. Serial No. 51,917. 6 Claims. (Cl. 103—120.)



1. A pump having, in combination, a hollow casing, a rotor in said casing, said rotor having a central cylindrical chamber and having a plurality of radial bores opening into said chamber, said casing having a pair of diametrically opposed projections bearing against said rotor and dividing the space between said casing and said rotor into chambers at opposite sides of said rotor, inlet and outlet passages communicating with said last mentioned chambers, a plurality of plungers slidably mounted in said bores, each plunger having a lateral notch on its inner end, and adjustable cam means positioned in said first mentioned chamber and engaging in said notches to actuate said plungers upon rotation of said rotor, said cam means being adjustable between said projections relative to the axis of rotation of said rotor to vary the throw of said plungers and thereby vary the flow of liquid through said pump.

1,633,721. FOLDING CHAIR. JAMES V. YOUNG, Rushville, Ind., assignor to The Standard Manufacturing Company, Cambridge City, Ind., a Corporation of Indiana. Filed Aug. 8, 1923. Serial No. 656,398. 1 Claim. (Cl. 155—142.)

A folding chair comprising spaced front legs, a back fixed to and between the upper end portions of said front legs, rear legs having their upper ends between the front legs and pivoted to said front legs beneath the lower end of the back, a seat extending between the front legs and pivoted between its front and rear ends to the front legs below the back and below the pivotal connection of the rear legs with the front legs,



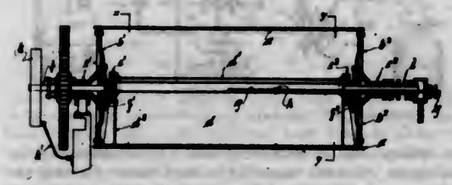
the main body of said seat extending between the rear legs and having sliding interlocking connections with said rear legs, said seat body when in operative position being spaced below the lower end of the back and between the rear legs.

1,633,722. CLOTHESLINE FASTENER. FREDERICK ALEXANDER, East St. Louis, Ill. Filed Mar. 28, 1927. Serial No. 178,932. 1 Claim. (Cl. 24—129.)



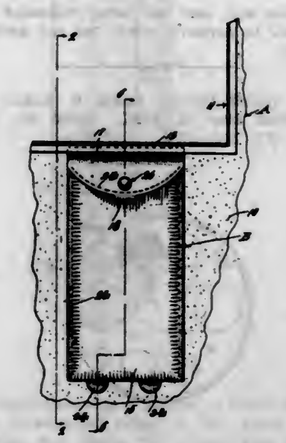
A device of the class described adapted to hold a rope and comprising a support, a body member bent on a transverse line intermediate its ends to form two branches one of which has a notch in its end, and means for fastening the member to the support at a plurality of points lying in said transverse line, said fastening being loose enough to permit slight oscillation of said member about said transverse line, but preventing other movement.

1,633,723. STEAM-HEATED CYLINDER AND THE LIKE AND MEANS FOR DRAINING THE SAME. JOHN MELROSE ARNOT, Bury, England. Filed Jan. 6, 1925, Serial No. 881, and in Great Britain Dec. 1, 1924. 4 Claims. (Cl. 34—4.)



1. In steam-heated cylinders and the like, an axially mounted scoop extending the full length of the cylinder, and means exterior to the cylinder for either holding same stationary or rotating same, the scoop embodying a scroll by which the water of condensation may be caught as it is caused to pass to same by the rotations of the scoop, or by the centrifugal momentum of the cylinder when the cylinder is rotated at a high speed, and means for conveying the water from the scroll to the exterior of the cylinder, as set forth.

1,633,724. MAINTENANCE RECORD. CARL BURRIS, Clayton, Mo. Filed June 21, 1926. Serial No. 117,511. 5 Claims. (Cl. 224—29.)



1. In a maintenance record, the combination of a receptacle, means for attaching the receptacle to an automotive vehicle, an account book carried by the receptacle, and means formed from a single blank of material and secured to said book for carrying a pencil and for facilitating the removal of the book from said receptacle.

1,633,725. BUTTON RECEPTACLE. JAMES C. DAY, South Orange, N. J., assignor to The Whitehead & Hoag Company, Newark, N. J., a Corporation of New Jersey. Filed Nov. 23, 1926. Serial No. 150,219. 1 Claim. (Cl. 40—1.5.)

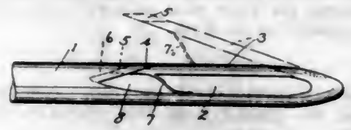


A button comprising a front plate and a rear plate having a dished central portion, and an open-ended receptacle positioned in the dished central portion, the edge of the dished central portion extending outwardly to form a partial closure of the open end of the receptacle.

1,633,726. NEEDLE. EDMUND DZIUK, Detroit, Mich. Filed Oct. 13, 1923. Serial No. 668,290. 2 Claims. (Cl. 223—87.)

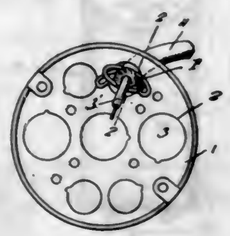
1. A needle having an elongated eye and having one wall of said eye slit adjacent one end of the eye and

outwardly flexible about its other end, the body portion of the needle being formed with a seat for the free end



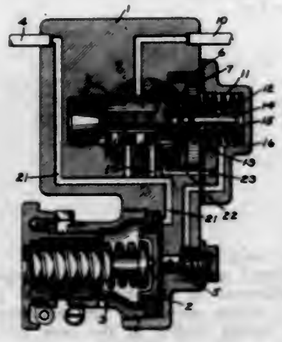
of the flexible wall, said seat being channeled lengthwise of the needle to normally retain the end portion of the flexible wall.

1,633,727. LOOM LOCK. REESE B. EARLY, Riverside, Calif. Filed May 12, 1925. Serial No. 29,710. 5 Claims. (Cl. 247—25.)



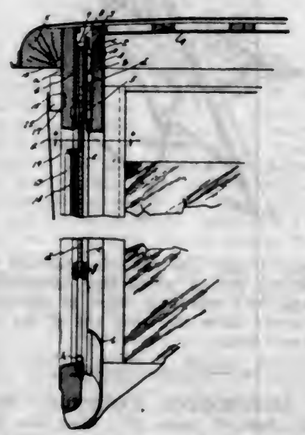
2. A loom fastener formed of a circular looped wire substantially square in cross section, its ends bent to form laterally extending yielding arms, and terminating in loops.

1,633,728. FEED-VALVE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1924. Serial No. 752,973. 5 Claims. (Cl. 50—11.)



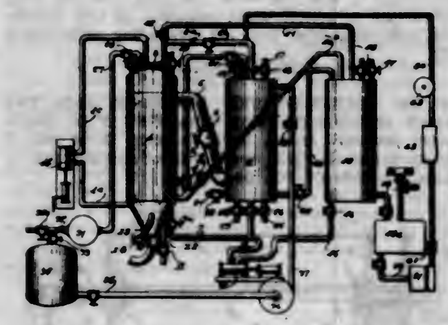
2. A feed or reducing valve device including a fluid supply portion for supplying fluid under pressure to an outlet and comprising a piston, a valve operated by said piston and having a position providing a restricted communication through which fluid under pressure is supplied to said outlet, a spring for yieldingly limiting the movement of said piston beyond said position, and an additional spring acting on said piston.

1,633,729. AUTOMOBILE BODY CONSTRUCTION. GEORGE FAUSER, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 26, 1924. Serial No. 701,908. 12 Claims. (Cl. 296—89.)



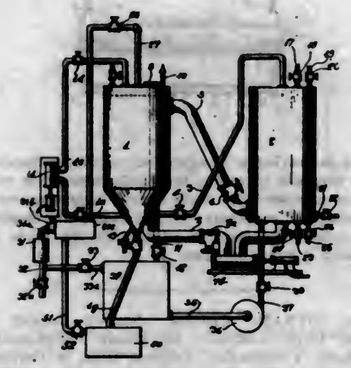
8. In an automobile body construction, a windshield comprising pillars, sill and a header forming a header chamber, and provided with removable inner header board, means for removably fastening the inner header board in place, a windshield panel movable from opened to closed position between said pillars and a window regulator supported on the inside of the removable header board for operating the said movable panel.

1,633,730. APPARATUS AND PROCESS FOR MAKING PAPER PULP. FREDERICK K. FISH, Jr., San Francisco, Calif. Filed July 11, 1925, Serial No. 42,960, and in Canada Dec. 22, 1924. 15 Claims. (Cl. 92—13.)



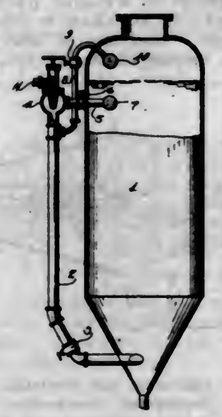
1. The process of producing fibre pulp consisting in removing air from the material to be treated, treating the air free material with liquor charged with volatile extractives of plant material, and subjecting the so treated material to a second digesting operation with a renewed and strengthened liquor containing solvent extractives.

1,633,731. PROCESS FOR TREATING PLANT MATERIAL. FREDERICK K. FISH, Jr., San Francisco, Calif. Filed July 11, 1925, Serial No. 42,961, and in Canada Dec. 20, 1924. 36 Claims. (Cl. 92—13.)



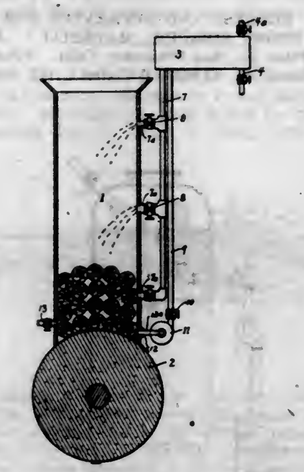
1. The process of treating plant material comprising impregnating the plant material with heated liquor initially charged with an alkali and volatile and other solvent extractives of plant material to remove from the material being treated solvent extractives and other by-products of the plant material.

1,633,732. PROCESS AND APPARATUS FOR MAKING PULP FROM FIBROUS MATERIAL. FREDERICK K. FISH, Jr., San Francisco, Calif. Filed July 14, 1925, Serial No. 43,595. Renewed May 24, 1927. 8 Claims. (Cl. 92—7.)



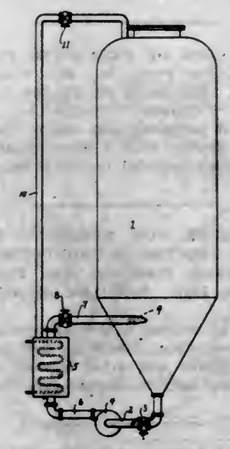
1. The process of making pulp from fibrous material in a digester, consisting in cooking the material in a heated liquor under pressure and with a space above the body of said liquor, withdrawing gases and volatile extractives from said space and liquor from the upper portion of the body of liquor in the digester by means of steam under pressure, mixing the gases and volatile extractives with the withdrawn liquid and returning the mixture to the lower portion of the digester for use in the same cook.

1,633,733. PROCESS AND APPARATUS FOR MANUFACTURING GROUND-WOOD PULP. FREDERICK K. FISH, Jr., San Francisco, Calif. Filed July 14, 1925, Serial No. 43,596, and in Canada Mar. 21, 1925. 15 Claims. (Cl. 92—6.)



1. In combination with a grinder, a liquor supply tank, means for distributing liquor in the upper portion of the magazine, and means for withdrawing liquor from the lower portion of the grinder and discharging it into said tank.

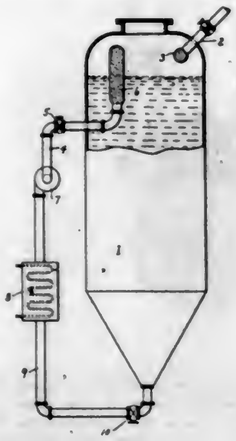
1,633,734. PROCESS AND APPARATUS FOR DIGESTING OR COOKING FIBROUS MATERIAL. FREDERICK K. FISH, Jr., San Francisco, Calif. Filed July 14, 1925, Serial No. 43,597. Renewed May 24, 1927. 10 Claims. (Cl. 92—7.)



1. A process of digesting fibrous material which consists in treating the material with a cooking liquor in a digester, withdrawing a portion of the liquor from the bottom of the digester, raising the temperature of the

withdrawn portion of liquor and returning it to the lower conical part of the digester, and there releasing it in a manner to cause agitation without any substantial compacting of the charge.

1,633,735. PROCESS AND APPARATUS FOR MAKING PULP FROM FIBROUS MATERIAL. FREDERICK KNAPP FISH, Jr., San Francisco, Calif. Filed July 15, 1925. Serial No. 43,852. 6 Claims. (Cl. 92—7.)



1. In a process of making pulp from fibrous material the steps which consist in mixing and removing gases, volatile solvent extractives, and liquor in liquid form from the upper portion of the digester in which the material is being treated, mixing the said gases and liquor and returning the same to the lower portion of the digester for use in the same cook.

1,633,736. PROCESS OF PREPARING PAPER PULP. FREDERICK KNAPP FISH, Jr., San Francisco, Calif. Filed May 24, 1926, Serial No. 111,368, and in Canada July 7, 1925. 8 Claims. (Cl. 92—9.)

1. A process of producing ppip which consists in cooking chips in a digester with a liquor containing solvent extractives of plant material to which sulphur has been added.

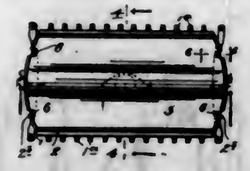
1,633,737. LIQUOR FOR TREATING PLANT MATERIAL AND PROCESS OF PRODUCING THE SAME. FREDERICK KNAPP FISH, Jr., San Francisco, Calif. Filed May 24, 1926. Serial No. 111,457. 7 Claims. (Cl. 92—11.)

1. A process of making liquor for treating plant material, which comprises dissolving soda ash in water charged with volatile and other solvent extractives of wood and passing sulphur dioxide into the solution so formed.

1,633,738. PULP FIBER. FREDERICK KNAPP FISH, Jr., San Francisco, Calif. Filed May 24, 1926. Serial No. 111,458. 9 Claims. (Cl. 92—3.)

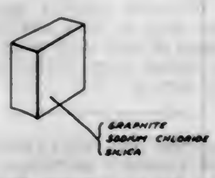
1. As a new article of manufacture, wood fiber, mechanically produced, having a substantially white color and evenly permeated before grinding with the natural preservatives of the wood treated.

1,633,739. SAFETY RAZOR. HENRY J. GAISMAN, New York, N. Y. Filed Nov. 21, 1922. Serial No. 602,378. 8 Claims. (Cl. 30—12.)



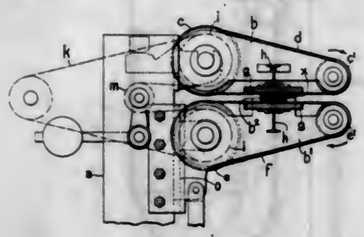
1. A blade having a non-circular opening substantially centrally disposed to retain the blade in shaving relation to a guard member, said blade having means spaced from said opening to cooperate with a clamping member to retain the latter in shaving relation to the blade to cooperate with a guard member.

1,633,740. DYNAMO BRUSH. NELSON ROBERT HAAS, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 1, 1924. Serial No. 753,407. 5 Claims. (Cl. 171—325.)



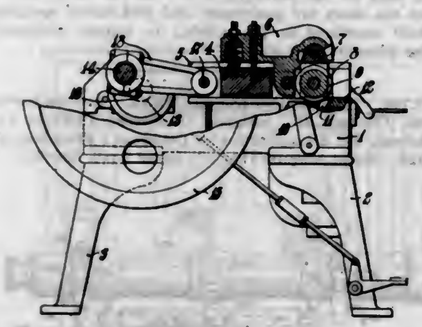
4. A dynamo brush including graphite and silica.

1,633,741. MACHINE FOR TIGHTENING THE INSULATION APPLIED ON WINDING BARS OF ELECTRIC MACHINES AND APPARATUS. EMIL HAEFELY, Basel, Switzerland. Filed Mar. 8, 1923, Serial No. 623,814, and in Switzerland Mar. 9, 1922. 1 Claim. (Cl. 173—244.)



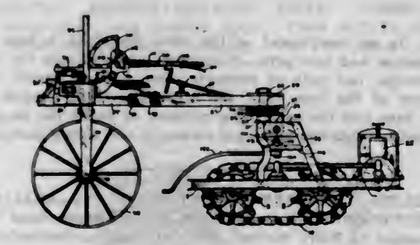
A machine for tightening the insulation applied on winding bars of rectangular cross-section for electric machines and apparatus, comprising two rows of movable narrow smoothing bands, a movable carrier for one of said rows of smoothing bands, a driving device to cause the smoothing bands of the two rows to run in opposite directions, said two rows of bands constituting a free space between them throughout their operative length, and means to receive an insulated winding bar within said space in such a position as to present their wide sides only to said smoothing bands, while their narrow sides remain free, so that the smoothing bands when moving over the said wide sides of the winding bar produce a continuous smoothing and tightening of the insulating material round about the same.

1,633,742. FORGING MACHINE. HALBERT B. HALVORSEN, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 20, 1925. Serial No. 24,420. 4 Claims. (Cl. 76—5.)



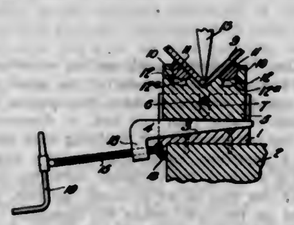
4. A cutter bit forging machine comprising a crosshead carrying forging die means movable in a straight line, and a crank and connecting rod for actuating the same disposed to the rear thereof, said crank being so disposed as to impart at the moment of forging an actuating force to said crosshead in substantial alinement with the path of movement thereof.

1,633,743. TRACTOR. HARVEY C. HUBBELL, Cincinnati, Ohio. Filed Mar. 10, 1922. Serial No. 542,644. 8 Claims. (Cl. 180—9.1.)



1. In a power driven tractor, rear and front frames, struts mounted on said front frame, a fifth wheel connected to said struts, a fulcrum horizontally mounted in said struts and pivotally supporting said fifth wheel whereby the front driving members and frame are adapted to assume varying positions in relation to said rear frame.

1,633,744. APPARATUS FOR FLANGING AND BENDING METAL PLATES. GEORGE HUGHES, Southampton, England. Filed Jan. 29, 1926. Serial No. 84,652. 7 Claims. (Cl. 153—12.)



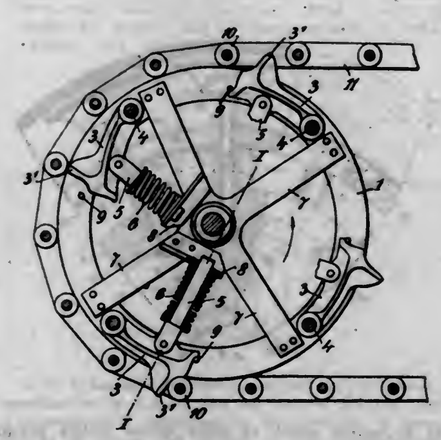
1. In apparatus of the type specified for forming or modifying angles in metal plates a metal block, part circular section rollers in correspondingly radiused recesses in said block, the metal block being provided with transverse channels with which projections carried by the part circular section rollers co-operate for positioning the rollers and limiting their axial rotation in said recesses, and a channel section open ended bracket in which said block is supported and guided.

1,633,745. TALKING MACHINE. ISAAK JACOBSOHN, Spandau, Germany, assignor to Bruno Muller, Gorlitz, Germany. Filed May 29, 1924, Serial No. 716,789, and in Germany June 2, 1923. 1 Claim. (Cl. 274—11.)



In a talking machine of the character described, the combination with a sound reproducing needle and with a record carrier composed of an endless travelling steel band having the record on one edge, of a pair of distanced supporting pulleys on which the band is wound so as to form a coil having a plurality of strands, a deflecting pulley arranged coaxially with and connected to one of said supporting pulleys so that it can be used for transferring the band from the inside to the outside of the coil, said deflecting pulley being made narrower than the band so that the record edge of the latter will be held in a projecting position relative to the same, for contact with the needle.

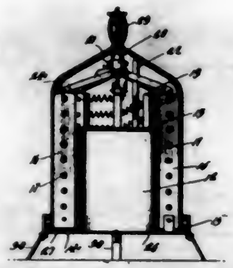
1,633,746. CHAIN WHEEL FOR CHAIN-TRACK DRIVES. VIKTOR JERECZEK, Weissensee, near Berlin, Germany, assignor to Stock Motorpflug Aktiengesellschaft, Berlin, Germany, a Corporation of Germany. Filed Feb. 24, 1927, Serial No. 170,672, and in Germany Dec. 17, 1925. 2 Claims. (Cl. 74—61.)



2. In a driving toothed wheel, the combination of a rim comprising a pair of spaced members, a number of peripherally spaced lever arms arranged between said

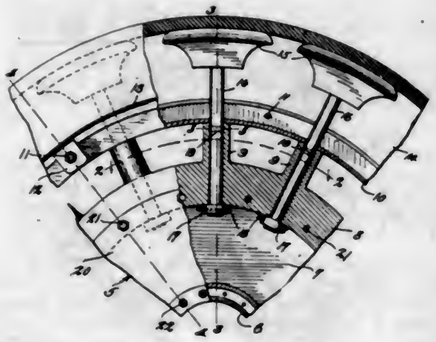
rim members, pins connecting said rim members and on which said lever arms are spaced, spokes extending to said rim members, plates on said spokes, guide rods slidably mounted in said plates and pivotally connected at their outer ends to said lever arms, and coiled springs arranged around the guide rods and exerting their thrust against said plates and said rods to move the latter and the said lever arms radially outward.

1,633,747. ELECTRIC HEATING APPARATUS. CARL E. JOHNSON, Detroit, Mich. Filed July 30, 1925. Serial No. 47,109. 4 Claims. (Cl. 219—34.)



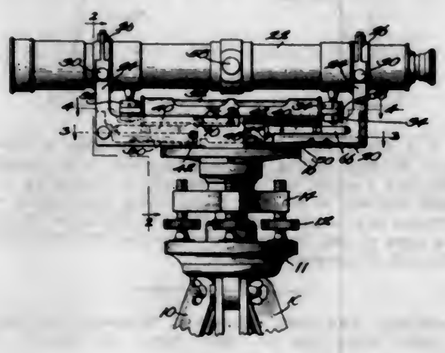
1. A device of the class described including, in combination, a cylindrical outer casing, a cylindrical inner casing, a plurality of support bars interposed between the inner and outer casings, a supporting stand formed on the lower end of the casings, a brace frame connected to the upper extremities of the support bars, and a heating element arranged spirally between the inner and outer casings and extending through suitable apertures formed on the said bars.

1,633,748. PNEUMATIC CUSHION WHEEL. JOHN BOBBY KEAR and JACOB R. YOUNG, Albuquerque, N. Mex. Filed June 18, 1926. Serial No. 116,929. 1 Claim. (Cl. 152—29.)



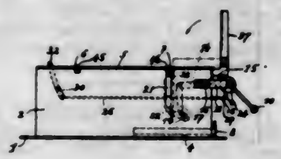
In a cushion wheel, an inner hollow section having integral spokes, said spokes being hollow, the inner section having openings communicating with the hollow spokes, plates secured to the inner section and providing a housing with the inner section, plungers operating through the hollow spokes, means on the plungers for providing fluid-tight connections between the plungers and walls of the hollow spokes, heads on the inner ends of the plungers and operating between the plates, a felloe having openings, secured to the spokes, shoes on the outer ends of the plungers, a tire on the felloe and in which the shoes are positioned, and said heads operating in fluid contained in the housing to restrict movement of the plungers.

1,633,749. SURVEYING INSTRUMENT. ADOLPH LANGSNER, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a Corporation of Delaware. Filed May 17, 1926. Serial No. 109,477. 8 Claims. (Cl. 33—73.)



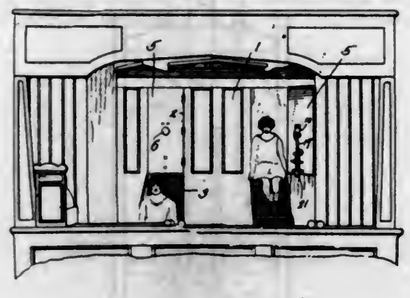
1. In an instrument of the class described, a base, a telescope and two pairs of supports on said base for the telescope, one pair of supports being located nearer the center of the base than the other and being hinged to the base and the base being recessed to house the hinged supports when the latter are swung to non-acting position.

1,633,750. MACHINE FOR CLOSING AND SEALING ENVELOPES. RUDOLF MOHN, Sulgen, Switzerland, assignor to Willy Muller, Thal, St. Gallen, Switzerland. Filed Mar. 3, 1926, Serial No. 92,080, and in Switzerland Dec. 31, 1925. 3 Claims. (Cl. 120—6.)



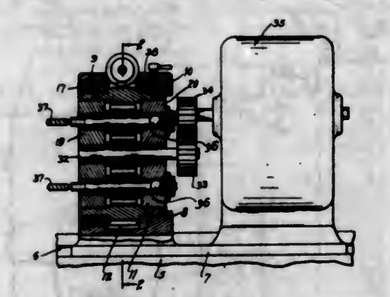
1. A machine for closing and sealing envelopes, comprising a box having a straight slotted top plate on which an envelope can be supported with the sealing flap projecting through a slot into the box, a dampening pad arranged in the box, means for applying said pad to the sealing flap, a partition supporting the flap against the pad, means for feeding the envelope forwards along the top plate over the slot so as to close the flap, a presser plate mounted on the box, means for clamping the envelope between said presser plate and the top plate of the box for sticking the closed flap in position, and means for delivering the closed envelope.

1,633,751. AMUSEMENT APPARATUS. JOHN D. PONTIOUS, Hammond, Ind., assignor of one-half to Lizzie Pontious, Hammond, Ind. Filed Sept. 9, 1926. Serial No. 134,441. 2 Claims. (Cl. 273—102.)



1. An amusement apparatus including an enclosure having a door opening, a chute inclined downwardly and forwardly beyond the enclosure from the opening, said chute extending into the enclosure, a door for closing the opening and retaining an object on that portion of the chute within the enclosure, means for holding the door in closed position, a target movably mounted on the door, and means actuated by the target when shifted from normal position, for releasing the door.

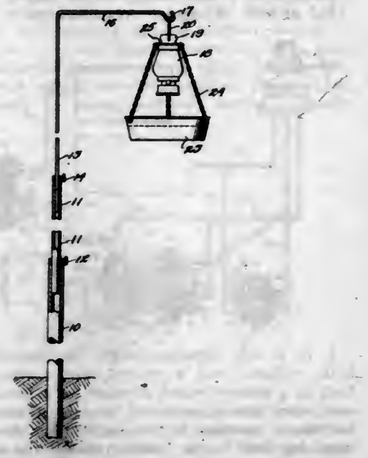
1,633,752. BORING-MACHINE HEAD. ALBERT V. RACKSTRAW, Los Angeles, Calif. Filed Oct. 27, 1926. Serial No. 144,558. 2 Claims. (Cl. 144—110.)



1. A boring machine comprising a casing, a sleeve journaled in said casing, a centrally disposed shaft journaled in said sleeve provided with a gear, a plurality of irregularly spaced spindles journaled in said sleeve surrounding said centrally disposed shaft provided with gears meshing with the gear on said centrally disposed shaft, worm teeth on the periphery of said sleeve, a worm journaled in said casing adapted to engage with said worm teeth, and means for rotating said worm.

1,633,753. INSECT-DESTROYING DEVICE. MATT RAY, Arkadelphia, Ark. Filed Sept. 29, 1926. Serial No. 138,452. 4 Claims. (Cl. 43—113.)

1. In a device of the class described, a standard including a plurality of relatively adjustable elements, an illuminating device carried by the standard, said device last named including a cap, an oil receptacle, and means for suspending the oil receptacle from the cap, said means comprising a frame including resilient outwardly extending and interlocking end portions, and flexible members connected with the frame.

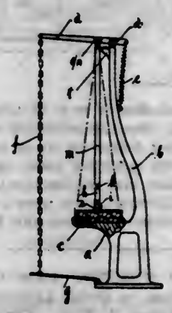


1,633,754. METHOD OF MAKING PRECIPITATED ANTIMONY SULPHIDE. RAWSON E. STARK, Elyria, Ohio, assignor to The Stibium Products Company, Elyria, Ohio, a Corporation of Ohio. Filed Dec. 26, 1922. Serial No. 608,917. 17 Claims. (Cl. 134—58.)

1. A process of making antimony sulphide, which includes treating an oxy-compound of antimony with sulphur and an agent supplying a combinable metal, and subjecting the reaction-product to a precipitating action.

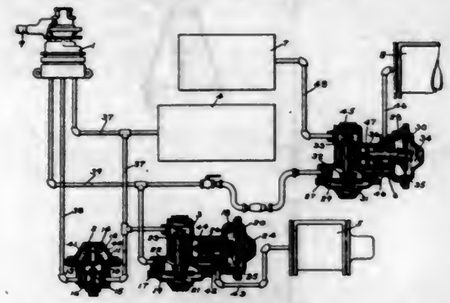
2. A process of making antimony sulphide, which includes treating an oxy-compound of antimony with sulphur and an agent supplying a combinable metal, and subjecting the reaction-product to a precipitating agent comprising an inorganic acid.

1,633,755. CUTTING MACHINE. PAUL WOLKOGON-WOLYNSKI, Bielefeld, Germany. Filed Nov. 6, 1925, Serial No. 67,307, and in Germany Nov. 6, 1924. 3 Claims. (Cl. 164—26.)



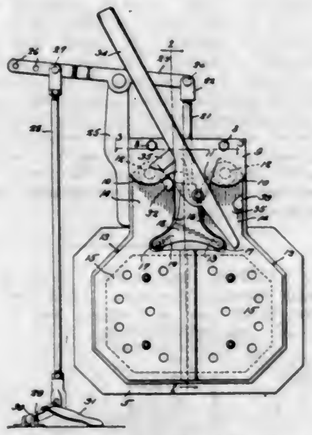
1. In a machine for cutting shaped leather pieces, the combination of a table and an integral bracket thereon, a pressure-lever fulcrumed on said bracket, a pressure-bar at its upper end pivoted to said pressure-lever so as to be movable over the whole table and adapted to be depressed by said lever and a cutter on the lower end of said pressure-bar, substantially as set forth.

1,633,756. FLUID-PRESSURE-BRAKE SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 7, 1925. Serial No. 42,016. 9 Claims. (Cl. 303—25.)



1. In a fluid pressure brake, the combination with a brake cylinder and a control pipe normally containing fluid at a predetermined pressure, of a movable abutment and valve means operated by said abutment upon an increase in pressure in the control pipe above normal for supplying fluid to the brake cylinder, and a second movable abutment and valve means operated by said abutment upon a reduction in pressure in the control pipe below normal for supplying fluid to the brake cylinder.

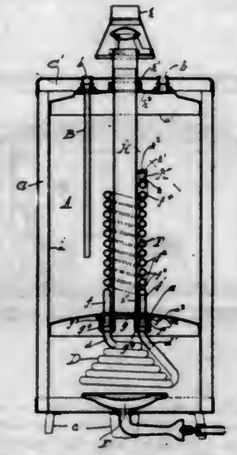
1,633,757. FIRE DOOR. HENRY D. BABBEE, Greensboro, N. C. Filed Aug. 26, 1926. Serial No. 131,670. 2 Claims. (Cl. 110—176.)



1. A fire door including a pair of pivotally supported door sections having upwardly extended end portions, the adjacent edges thereof being cut away to define cams, a head having laterally extended arms operating between the upwardly extended end portions, rollers at the ends of the arms and adapted to move over the cams to move the door sections outwardly when the head is elevated.

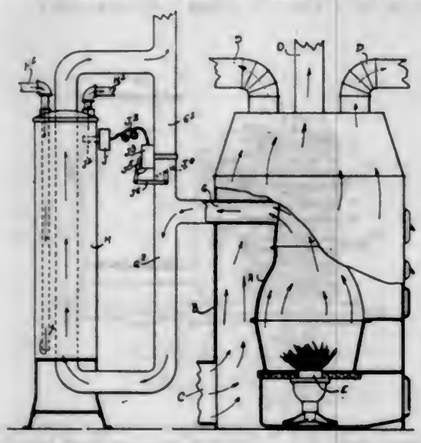
1,633,758. LIQUID HEATER. FRED W. BIRTCH, Buffalo, N. Y., assignor to Birtch Laboratories Inc., Buffalo, N. Y. Filed Sept. 1, 1925. Serial No. 53,959. 9 Claims. (Cl. 122—32.)

1. A water heater including a container for the water to be heated, and a heating circuit in which water may circulate without mixing with the water in said container, said heating circuit including a portion arranged exterior to said container and to which heat is applied for heating the water in said circuit, a part arranged within said container and through which the heated water circulates and imparts its heat to the water in said container, means for mounting said circuit on said container and a passage in said mounting means connecting



the interior of said circuit with said container and through which water may flow for filling said circuit and during expansion and contraction of the water in said circuit.

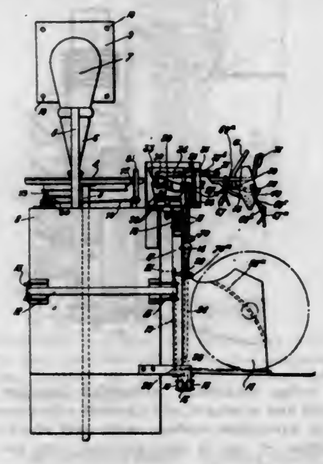
1,633,759. THERMOSTATIC CONTROL FOR DOMESTIC AND HOT-WATER HEATERS. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1926. Serial No. 94,141. 3 Claims. (Cl. 236—20.)



1. In association with a domestic heating plant, a domestic hot water supply tank, a chimney passage for said heating plant, a bypass therefrom adapted to heat said tank, and thermostatic means for regulating the passage of flue gases through said bypass in response to the temperature of the water in said tank.

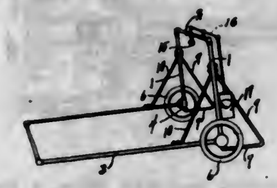
1,633,760. SOUND-REPRODUCING INSTRUMENT. THOMAS BREWIN, Fife, Scotland. Filed Oct. 20, 1923, Serial No. 669,770, and in Great Britain Oct. 25, 1922. 7 Claims. (Cl. 274—10.)

1. In a sound reproducing machine having a rotating table and a tone arm, a number of record compartments for storing records, a sliding carrier capable of being positioned opposite any one of said compartments, a support on said sliding carrier, a swinging arm capable of executing vertical and horizontal swinging movements about said support, a record gripping device mounted on said swinging arm, means for transferring a record from a record compartment to said record gripping device and for returning the record from said record gripping device to the record compartment, means for moving said swinging arm into and out of engagement with said transferring means and for moving said swinging



arm into and out of position over said rotating table, means for transferring a record from said record gripping device to said rotating table and for returning the record to said record gripping device, means controlled from a distance for shifting said sliding carrier into position opposite any one of said record compartments, and means controlled from a distance for actuating said means for moving said swinging arm including means actuated by said record gripping device for manipulating said tone arm.

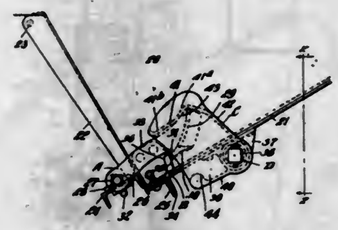
1,633,761. COMBINATION TRUCK AND WEIGHER. EMETT L. BYRNS, Mineral Wells, Tex., assignor to G. C. Briscoe, Mineral Wells, Tex. Filed June 7, 1924. Serial No. 718,474. 6 Claims. (Cl. 265—52.)



1. A combination weigher and truck comprising upright frame members and spindles rigid therewith, wheels supporting said spindles, a supporting member carried by said uprights directly above said spindles, a lifting member rigid with said upright members, and weighing and carrying devices carried by said supporting member.

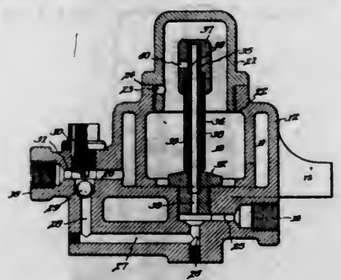
1,633,762. CAR-DOOR-LOCKING MECHANISM. ARGYLE CAMPBELL and ALBERT E. ZIMMER, Chicago, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 26, 1921. Serial No. 495,665. 17 Claims. (Cl. 105—308.)

1. In a car having a fixed member and a door member pivoted to swing about an axis extending transversely of the car, the combination with an element having a fixed shoulder mounted on one of said members; of a second shouldered element pivotally mounted on the other of said members to swing about an axis paralleling the pivotal axis of the door member and cooperable with said first named shouldered element to lock the door in fully closed position, said pivoted locking element having a cam edge at the free end thereof cooperable with said first named shouldered element and by which the two elements are guided into cooperative relation as the door member is swung to closed position; means, operable



from either side of the car, for effecting disengagement of said two shouldered elements by positively imparting pivotal movement to said second named element, and means limiting the movement of said pivotally mounted element to a predetermined position when disengaged from said element having a fixed shoulder such that, the said cam edge of said pivoted element will necessarily engage said element having a fixed shoulder and be guided thereby as the door member is moved to closed position.

1,633,763. LUBRICATOR. CHARLES A. CAMPBELL, Watertown, N. Y., assignor to The New York Air Brake Company, a Corporation of New York. Filed June 6, 1923. Serial No. 643,691. 10 Claims. (Cl. 184—55.)

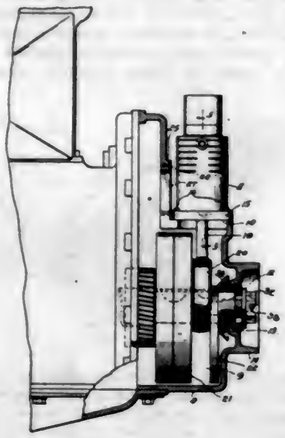


8. The combination of a closed shell adapted to contain oil and a confined body of air; a duct leading from a point below the level of oil to a point above the same, within said shell; a second duct arranged to discharge into the confined air within said shell in aspirative jet relation with the upper end of said first duct; and means for connecting said second duct with the working space of a reciprocative compressor.

1,633,764. AUTOMOTIVE COMPRESSOR. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Aug. 3, 1925. Serial No. 47,933. 8 Claims. (Cl. 230—39.)

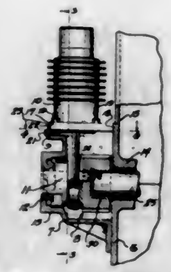
1. In an automotive engine, the combination of a front cover plate forming a closure for the front end of the engine crank case having a forwardly extending compressor crank case portion, an engine crank shaft extending into such portion, said cover plate having a cyl-

inder-supporting portion, an air compressor cylinder mounted on said cylinder-supporting portion, a piston working in said cylinder, a crank member within said



compressor crank case mounted directly on and continuously driven by said crank shaft, and a driving connection between said piston and said crank member.

1,633,765. COMPRESSOR MOUNTING. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Nov. 9, 1925. Serial No. 67,923. 5 Claims. (Cl. 230—39.)

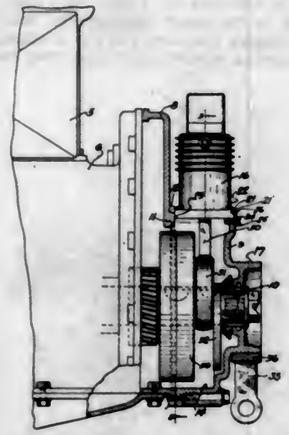


1. In an automotive type engine, the combination with the crankcase of the engine having a pad portion at its front end, of a detachable front cover plate having a part forming the crankcase of an air compressor and a compressor-cylinder-supporting portion for said compressor, and a compressor cylinder having its base portion mounted on said cylinder-supporting portion of said front cover plate and its rear edge abutting against said pad portion of said engine crankcase.

1,633,766. ENGINE-DRIVEN COMPRESSOR. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Nov. 23, 1925. Serial No. 70,908. 5 Claims. (Cl. 123—195.)

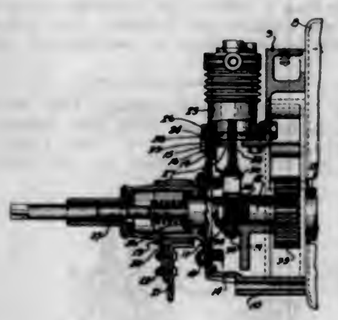
1. In an internal combustion engine, the combination with the engine crank case and an engine shaft, of a sectional front cover plate secured to the crank case of the engine and providing a compressor crank case and a compressor cylinder-supporting portion, a compressor

cylinder mounted upon said cylinder-supporting portion, a piston working in said cylinder, and a driving connection between said piston and said shaft including a connecting-rod having an adjustable big end bearing, said



sections being detachably connected together and so constructed and arranged as to permit adjustment of said bearing in assembled relation with said shaft upon the disconnection of one of said sections from the other.

1,633,767. DIRECT-DRIVE COMPRESSOR. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed Dec. 10, 1925. Serial No. 74,551. 2 Claims. (Cl. 230—39.)

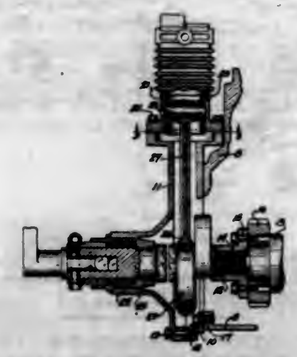


1. In an internal combustion engine, a front cover-plate comprising a cover section detachably secured to the crankcase of the engine and provided with a compressor crankcase portion, a compressor-cylinder-supporting portion and an open end, and a cover section detachably secured over the open end of said first-named section and having a trunnion-bearing extension.

1,633,768. AUTOMOTIVE ENGINE COMPRESSOR. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed Jan. 18, 1926. Serial No. 82,095. 5 Claims. (Cl. 123—195.)

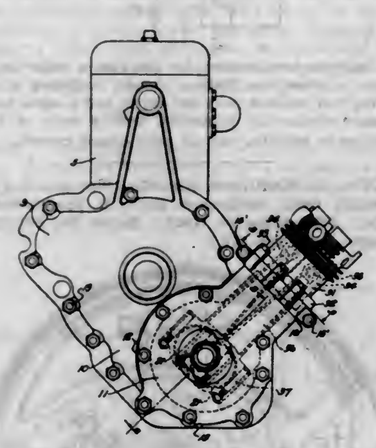
1. In an internal combustion engine, a front cover-plate forming a compressor crank case and compressor cylinder support, comprising a cover section detachably secured to the crank case of the engine, and a cover section detachably secured to said first-named cover section,

said sections, being joined together along a plane extending through the compressor crank case and the compressor cylinder support whereby the removal of the second-named cover section provides access to the drive



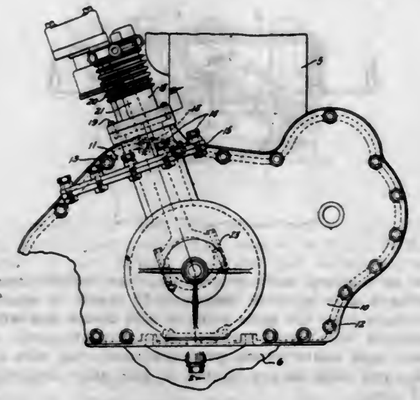
for the compressor including the connecting rod and its drive shaft and permits inspection and adjustment of the big end bearing of said connecting-rod while assembled to its drive shaft.

1,633,769. MULTICYLINDER AUTOMOTIVE COMPRESSOR. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed Apr. 29, 1926. Serial No. 105,452. 1 Claim. (Cl. 230—39.)



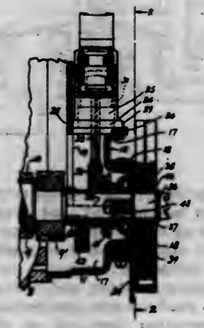
In an automotive engine, the combination with the crank case and crank shaft of the engine, of a front cover plate forming a closure for the front end of the engine crank case and having a forwardly extending compressor crank case portion into which the front end of the engine crank shaft projects, said cover plate havig a cylinder-supporting portion, air compressor cylinders mounted on said cylinder-supporting portion, a piston working in each cylinder, and crank members mounted on and continuously driven by said crank shaft and operatively connected to said pistons, the moving parts of said compressor being dynamically balanced whereby to relieve the extended end of said engine crank shaft of vibrational forces.

1,633,770. AUTOMOTIVE ENGINE COMPRESSOR. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed May 10, 1926. Serial No. 108,056. 4 Claims. (Cl. 123—195.)



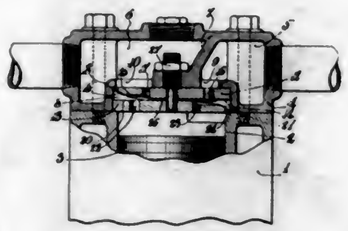
1. In an automotive engine, the combination with the drive connection of the compressor of a detachable front cover plate comprising a plurality of sections detachably secured to the crank case of the engine and detachably secured together at an angle to the plane of their connection with the crank case of the engine whereby removal of one of said sections permits ready inspection of the drive connection for the compressor.

1,633,771. FRONT END COMPRESSOR. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed June 7, 1926. Serial No. 114,210. 4 Claims. (Cl. 123—2.)



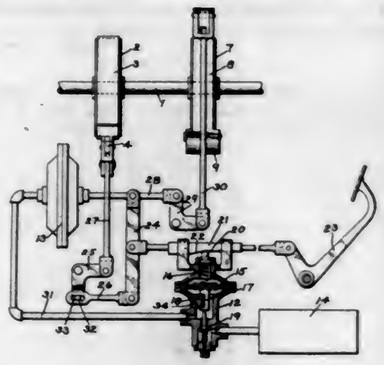
1. In an automotive engine, a front cover plate detachably secured to the engine crank case and comprising a plurality of sections secured together to provide a compressor crank case portion, a compressor-cylinder-supporting portion and a trunnion-bearing portion, said sections being joined in a vertical plane and in a plane within the diameter of the trunnion-bearing whereby access to the crank case portion of the compressor is obtained upon the removal of one of the sections without jacking the engine up from its trunnion.

1,633,772. VALVE MECHANISM. LEWIS J. CLAPP, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 18, 1921. Serial No. 453,512. 43 Claims. (Cl. 230—231.)



1. In a pump valve mechanism, cage forming means having a pair of slots increasing in depth in opposite directions from the same point in said means and which terminate with their greatest depths substantially adjacent, said means having ports communicating with said slots, and valve means located in said slots controlling said ports.

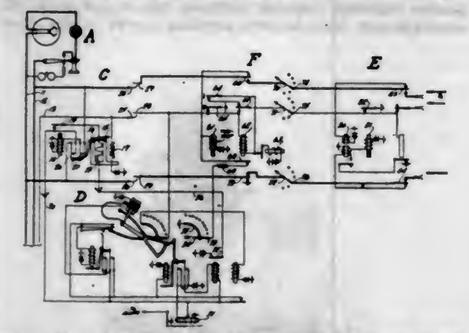
1,633,773. VEHICLE BRAKE MECHANISM. JOHN F. CRAIG, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1922. Serial No. 589,764. 4 Claims. (Cl. 188—151.)



3. In a vehicle brake, the combination with two sets of brake applying members, of fluid pressure means for operating one set of brake applying members, mechanical means movable to control said fluid pressure means and adapted upon a further movement to operate the other set of brake applying members, and means operated upon movement of the fluid pressure controlled brake applying members for preventing operation of the mechanically controlled brake applying members upon said further movement of the mechanical means.

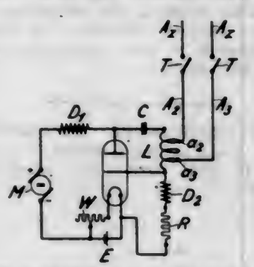
1,633,774. AUTOMATIC TELEPHONE SYSTEM. RALPH W. ENOSBERG, Lake Mills, Wis., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 10, 1925. Serial No. 49,219. 12 Claims. (Cl. 179—18.)

1. In a telephone system, a non-numerical switch having wipers which normally stand on the trunk line last used, a plunger line switch controlled over a calling subscriber's line for seizing said non-numerical switch, a master switch for positioning said line switch before said



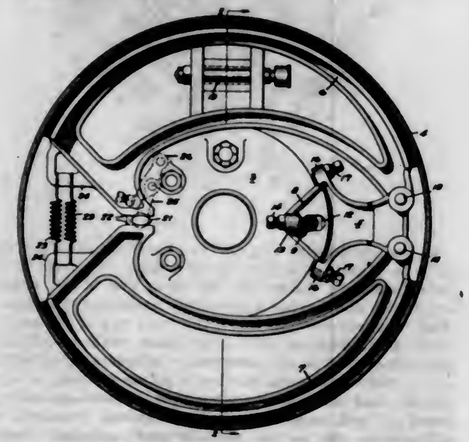
non-numerical switch, and means responsive to the operation of said master switch for causing said non-numerical switch to seek an idle trunk line.

1,633,775. ANTENNA ARRANGEMENT FOR SHORT-WAVE APPARATUS. ABRAHAM ESAU, Jena, Germany. Filed Oct. 8, 1926, Serial No. 140,378, and in Germany Oct. 7, 1925. 4 Claims. (Cl. 250—33.)



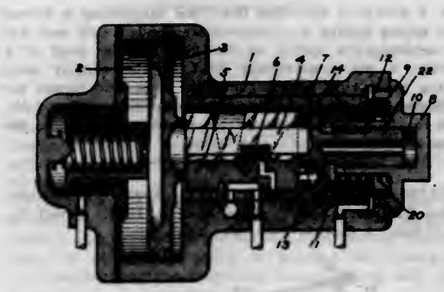
1. Antenna arrangement for short-wave radiation, comprising a closed oscillation circuit including a wave-carrying coil isolated from the earth, and a wave radiator in direct conducting connection with a node of voltage of the wave carrying coil in said closed circuit.

1,633,776. AUTOMOBILE BRAKE. WILLIAM B. FAGEOL, Oakland, Calif., assignor to Rollie B. Fageol, Oakland, Calif. Filed June 18, 1923. Serial No. 646,028. 9 Claims. (Cl. 188—78.)



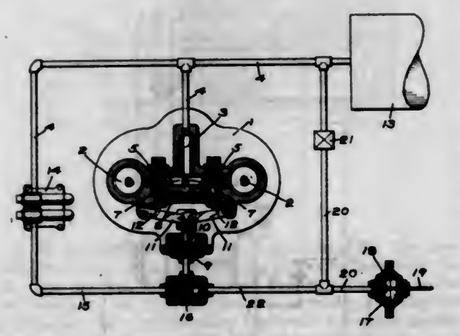
1. The combination with a rear axle and its housing which housing is provided on its end with a flange, a brake actuating cam journalled in said flange, a wheel associated with the axle and a brake drum secured to the wheel of a bracket rigidly secured to said flange and extending radially therefrom, means for adjusting the position of the bracket with respect to the flange and brake shoes pivoted to the bracket and engaging said cam.

1,633,777. RETARDED RELEASE-VALVE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1925. Serial No. 54,887. 2 Claims. (Cl. 303—72.)



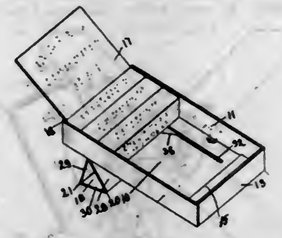
1. A triple valve device comprising a casing having a piston chamber and a valve chamber, a piston in said piston chamber, a slide valve mounted in said valve chamber, a piston stem carried by said piston for operating said valve, a guide member extending rearwardly of said stem, a collar disposed between said stem and said extension, and a tubular stop member engaging said valve and having a flange engaging said collar.

1,633,778. COMPRESSOR-CONTROLLING DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1926. Serial No. 131,924. 8 Claims. (Cl. 303—11.)



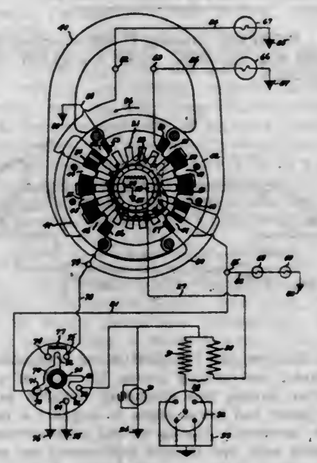
1. The combination with a motor vehicle clutch controlling device and a fluid compressor, of means for unloading the compressor upon operating said controlling device to disengage the clutch.

1,633,779. DISPLAY PACKAGE. FREDERICK-GEORGE FISHER, Quincy, Mass. Filed Feb. 23, 1923. Serial No. 620,706. 10 Claims. (Cl. 206—44.)



1. A display box comprising a box body having a slot in its bottom, and a supporting member having a portion adapted to pass through such slot and having notches arranged to receive portions of the box bottom adjacent to the ends of said slot, whereby the supporting member is interlocked with the box.

1,633,780. ELECTRICAL GENERATING SYSTEM. JOHN T. FITZSIMMONS, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 14, 1925. Serial No. 15,639. 7 Claims. (Cl. 290—41.)

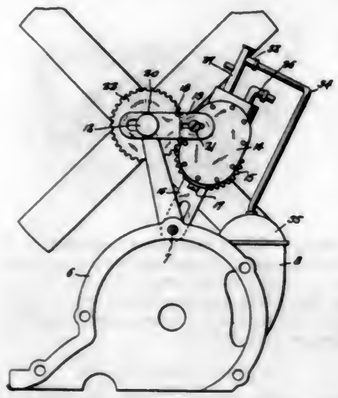


1. An electrical system comprising, in combination, a generator having a rotor and a field magnet provided with pole teeth carrying windings; electrical translation devices; and circuits and a controller therefor operable to one position to cause the devices to be operated by current from said pole windings, and operable to another position to discontinue operation of said devices and for causing certain of the pole windings to be short circuited.

1,633,781. OIL-PUMP MECHANISM. ALFRED FRANK FRANCA, Sandy Ridge, Pa. Filed July 28, 1926. Serial No. 125,561. 3 Claims. (Cl. 184—1.)

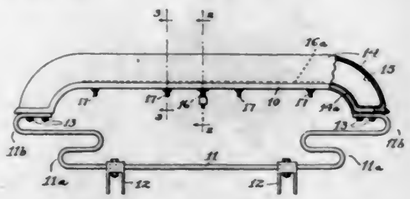
1. Means for supporting an oil pump on an engine; wherein the engine includes a crank case, a timing gear cover plate, bolts holding the cover plate to the crank case, an arm on one of said bolts terminating in a bearing, a fan shaft journaled in the bearing, and an oil cup associated with the bearing; comprising an L-shaped bracket having its ends slotted, one slotted end being

pierced by said bolt which mounts the arm, a screw piercing the other slotted end of the bracket for engaging the same with the oil pump, a plate having offset



slotted ends, one of the slotted ends of the plates being pierced by the oil cup, a screw piercing the other slotted end of the plate and engaged with the gear pump.

1,633,782. BUMPER. GEORGE C. GEANOPULOS, Evanston, Ill. Filed Aug. 10, 1925. Serial No. 49,250. 8 Claims. (Cl. 293—55.)



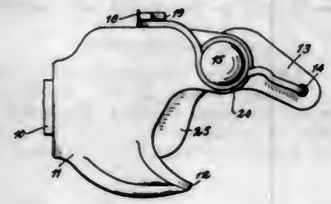
1. In a bumper, the combination of a mounting member to extend horizontally across the end of a vehicle, said member having lips extending towards each other along its upper and lower edges to support a cushioning element, a pneumatic casing having edge extensions engaging under said lips to hold said casing on said member, a pneumatic tube in said casing, and a retaining bar in said casing between its edge extensions clamping said casing in place on said member.

1,633,783. CUTLERY ARTICLE. DAVID J. GILES, Latrobe, Pa., assignor to Latrobe Electric Steel Company, Latrobe, Pa., a Corporation of Pennsylvania. Filed Mar. 25, 1925. Serial No. 18,155. 4 Claims. (Cl. 30—9.)



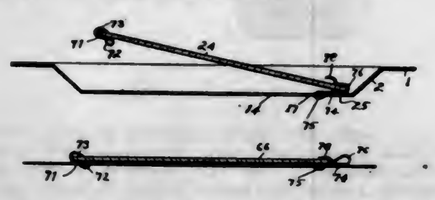
1. An article of cutlery comprising a steel blade and a silver handle separated from the blade by a body of metal having an exteriorly exposed portion, and which body is electro-positive to both the steel blade and silver handle when the article is subjected to an electrolyte.

1,633,784. DEVICE FOR HOLDING THE MOVABLE JAWS OF COUPLERS OPEN. JAKOB HOJNOWSKI, Nekoosa, Wis. Filed Dec. 24, 1926. Serial No. 156,861. 2 Claims. (Cl. 213—116.)



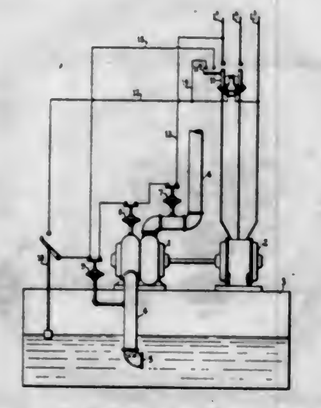
1. A device of the class described comprising a strong wire spring having an intermediate bend, a bolt and nut for securing the spring at the bend to the head of a coupler, a pin transversely held in the coupler head having the spring wound about its ends, and means for anchoring the outer extreme angularly bent ends of the wire in the swinging jaw of the coupler for holding the same open.

1,633,785. ILLUMINATED SIGN. JOSEPH HOTCHNER, San Francisco, Calif. Filed June 9, 1926. Serial No. 114,625. 4 Claims. (Cl. 40—133.)



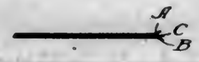
3. An illuminated sign comprising clips for securing a translucent plate to letter plates, each clip consisting of a spring member having a plain hook on one side and having a hook with a shoulder portion formed at its opposite end.

1,633,786. CONTROLLER FOR POWER-DRIVEN PUMPS. BAYARD M. HORTER, Kingston, Pa., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 22, 1924. Serial No. 745,180. 15 Claims. (Cl. 103—26.)



1. The combination with a hydraulic pump, of driving means therefor, means for initiating the operation of said driving means, and means in the discharge side of said pump subject to control in accordance with priming conditions in the pump to render said first mentioned means inoperative.

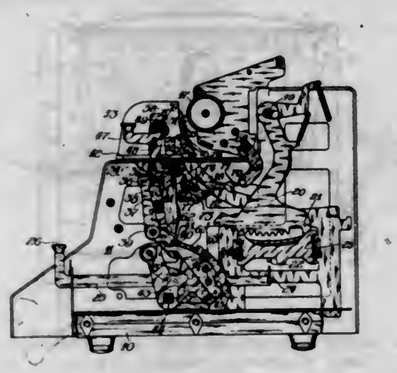
1,633,787. OIL AND GREASE PROOF PAPER AND CONTAINER MADE THEREFROM. OTTO KRESS, Appleton, Wis., assignor to American Lakes Paper Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 1, 1925. Serial No. 47,439. 9 Claims. (Cl. 154—40.)



1. A composite oil and grease proof sheet comprising two sheets of paper permanently united together by a non-drying cement insoluble in oil and carrying water in sufficient quantity to prevent the passage of oil therethrough.

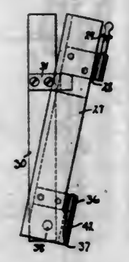
9. The method of making an oil and grease proof container that consists in interposing between two sheets of paper a non-drying cement insoluble in oil and carrying water in sufficient quantity to prevent the passage of oil therethrough, and thereafter incorporating said sheet in the form of a container.

1,633,788. NONPRINT MECHANISM FOR ADDING MACHINES. HARRY LANDSIEDEL, Cincinnati, Ohio, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 4, 1922, Serial No. 592,197. Renewed Sept. 18, 1926. 9 Claims. (Cl. 235—58.)



1. In a mechanism of the class described, the combination of a main shaft, type carriers, hammers for the type carriers, latching means for the hammers, means controlled by the type carriers for normally effecting unlatching of the corresponding hammers, non-print mechanism for blocking the normal operation of the latch releasing mechanism, means actuated by the main shaft for automatically restoring the non-print mechanism to normal position, locking means for counteracting the effect of said restoring means, a platen, means for normally rotating the platen, and means actuated by the non-print mechanism for rendering ineffective the action of said platen rotating means, substantially as described.

1,633,789. COMBINED SLIDING AND SWINGING WINDOW. CLAUDE A. LEWIS, Houston, Tex., assignor to American Window Company, Houston, Tex., a Corporation of Delaware. Filed Sept. 21, 1926. Serial No. 136,748. 6 Claims. (Cl. 20—50.)

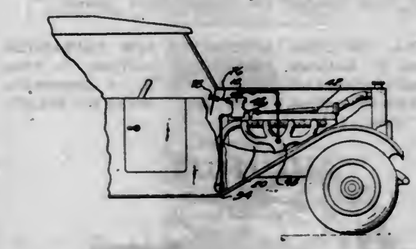


1. In a window, a casing, opposite riders slidable vertically in said casing, an upper sash mounted on said riders to swing inwardly on both a vertical and a horizontal axis.

1,633,790. CEMENT COMPOSITION. ROBERT SETH LINDSTROM, Chicago, Ill. Filed May 31, 1924. Serial No. 716,958. 2 Claims. (Cl. 106—24.)

1. A composition adapted, when admixed as described with sand or like aggregate and water, to form a water and wear-resisting, non-dusting, concrete surfacing, for floors, walks, and the like, comprising an intimate admixture in dry powdered form of Portland cement ground to a fineness such that substantially 90 percent will pass through a 200 mesh sieve, and from 5 to 10 per cent by weight of an iron free abrasive of substantially the hardness and specific gravity of carborundum and of about 100 mesh fineness, substantially as described.

1,633,791. INTERNAL-COMBUSTION-ENGINE DECARBONIZER. ARLINGTON MOORE, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 27, 1922. Serial No. 590,859. 6 Claims. (Cl. 123—25.)



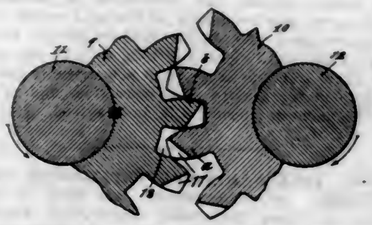
1. A decarboniser for an internal combustion engine comprising a hollow steam chamber supported on the exhaust manifold of the engine, a heat conductor projecting into said steam chamber and also into said exhaust manifold, means for supplying water from the circulation system to the steam chamber, means for conducting the steam to the intake manifold, and a valve in said steam chamber for controlling the generation of steam and the supplying thereof to the intake manifold.

1,633,792. TOWROPE. GEORGE M. PETE and CLAYTON F. PETE, Toledo, Ohio. Filed Apr. 24, 1925. Serial No. 25,550. 2 Claims. (Cl. 280—33.14.)



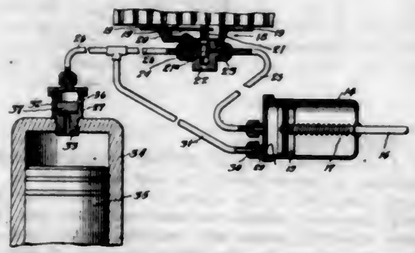
1. A tow rope having an eye at an end thereof and a hitch having an eye at an end thereof interengaged with the rope eye, a relatively straight portion on said hitch adjacent said eye, and a plurality of helical convolutions integral with said straight portion and surrounding said rope whereby tension is directly exerted on the straight shank portion.

1,633,793. GEAR PUMP. FREDERIC PORST, Chicago, Ill., assignor to Hardinge Brothers, Inc., a Corporation of Illinois. Filed Jan. 25, 1924. Serial No. 688,463. 4 Claims. (Cl. 103—126.)



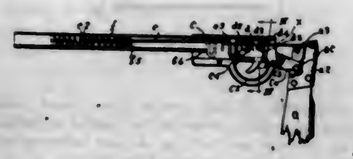
1. A gear pump comprising a pair of meshing involute gears, the teeth of said gears each having a slot therein extending from a point on the leading face of and adjacent the end of said tooth, to a point on the trailing face of said tooth adjacent the pitched circle thereof.

1,633,794. SHUTTER APPARATUS FOR RADIATORS. JAMES F. RALEIGH, Chicago, Ill., assignor to Pines Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 22, 1923. Serial No. 682,219. 15 Claims. (Cl. 123—174.)



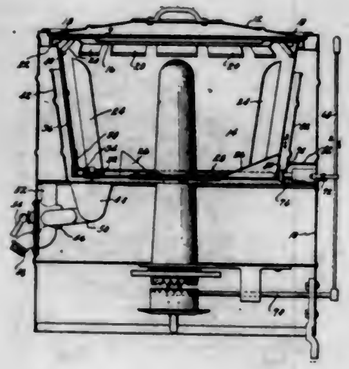
1. In a shutter attachment unit, the combination of a shell, shutters supported by said shell, an expansible chamber supported by said shell, operating connections between the movable wall of said expansible chamber and said shutters, a thermostatic unit supported by said shell, a conduit connecting with said expansible chamber, a valve actuated by said thermostatic unit and controlling the passage of fluid through said conduit, and an engine-operated fluid pump connected to said conduit.

1,633,795. SPRING GUN. WILLIAM F. SCHMIDT, Wyandotte, Mich., assignor to The All-Metal Products Company, Wyandotte, Mich., a Corporation of Michigan. Filed June 4, 1921. Serial No. 475,093. 3 Claims. (Cl. 124—10.)



2. In an apparatus of the kind described, a barrel having a slot b^2 b^3 in its rear wall and an aperture b^4, a spring piece having a pivot pin adapted to slide therein and to engage in said slot and aperture for the purpose described.

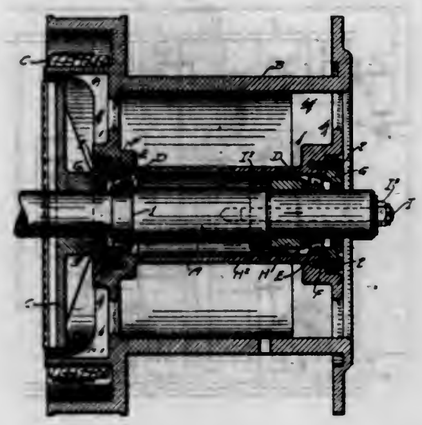
1,633,796. WASHING MACHINE. CYRIL G. SINCLAIR, Toronto, Ontario, Canada, assignor, by mesne assignments, to Reliance Storage and Warehouse Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 31, 1925. Serial No. 19,710. 9 Claims. (Cl. 68—18.)



9. In a washing machine, a vat, a clothes basket rotatably supported therein, said basket provided in proximity its upper edge with a discharge aperture through its side wall and a shroud open at each end extending from the side wall over such discharge aperture.

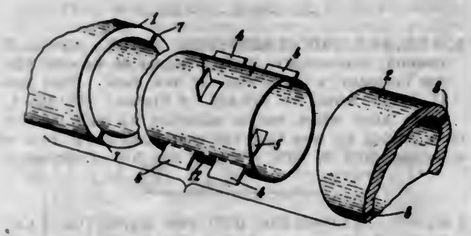
1,633,797. ADJUSTABLE BEARING MECHANISM FOR DRUMS, SLEEVES, AND THE LIKE. GEORGE R. TAAFFE, Joplin, Mo., assignor to United Iron Works, Inc., Joplin, Mo., a Corporation of Missouri. Filed June 21, 1924. Serial No. 721,467. 4 Claims. (Cl. 308—207.)

1. The combination of a shaft, a sleeve surrounding said shaft, friction-reducing bearings arranged between said shaft and sleeve at the opposite ends of the sleeve and comprising inner members mounted on said shaft, and a device arranged between the bearings and operable from one end of the sleeve for moving the inner member of



one bearing longitudinally of the shaft away from the inner member of the other bearing so as to simultaneously adjust both bearings to compensate for wear.

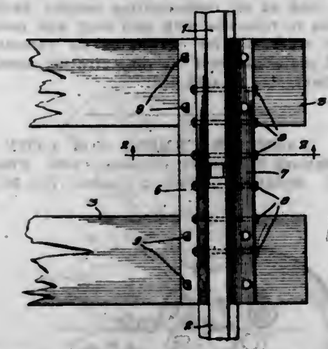
1,633,798. METHOD AND MEANS FOR CONNECTING TUBES. JAMES A. TAYLOR, Portland, Me. Filed Mar. 31, 1926. Serial No. 98,851. 8 Claims. (Cl. 285—197.)



1. A connector for tubes comprising a tubular member of an external diameter substantially equal to the internal diameter of the tubes to be connected, said member having axially extending flanges projectable through slots in said tubes, and means independent of said slots for limiting the extent to which said connector may be forced into each of said tubes.

1,633,799. RAIL JOINT. AUGUST WASS, Mellerud, Sweden. Filed Sept. 17, 1924. Serial No. 738,285. 1 Claim. (Cl. 238—244.)

In a rail joint, fish plates formed with longitudinal recessed faces adapted for disposal adjacent the web of the rail and extending obliquely downward over and beyond the rail base to rest upon the tie, an angle iron received by one fish plate upon one side of the rail, said angle iron being co-extensive with and resting upon the inclined portion of said fish plate, a bar received by the other fish plate upon the opposite side of the rail, said bar being co-extensive with and resting upon the inclined portion of said fish plate, adjusting bolts connecting said angle iron, fish plates and bar to the web of the rail, and spikes for securing said members to the rail ties.

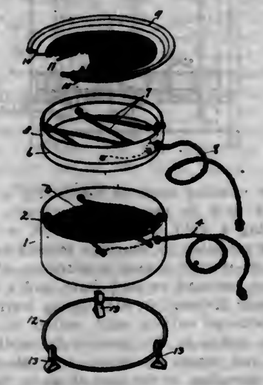


1,633,800. DISHWASHING DEVICE. FRED A. WILCOX, La Porte, Ind. Filed Jan. 12, 1925. Serial No. 1,958. 6 Claims. (Cl. 299—84.)



1. A device of the character described comprising a soap receptacle, a discharge pipe extending axially through said soap receptacle, a handle member having a water passage therethrough, a valve casing carried by said handle member and secured to one end of the soap receptacle, a disc valve carried by the handle member and seated on the adjacent end of the soap receptacle, said disc valve cooperating with ports carried by the adjacent end of the soap receptacle and by the valve, whereby water passing through the handle member may be selectively directed longitudinally through the discharge pipe or by-passed through the soap receptacle and then longitudinally through the discharge pipe.

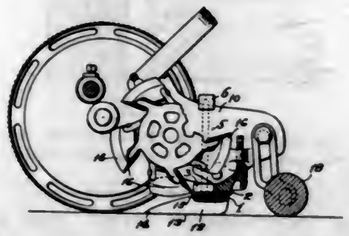
1,633,801. ELECTRICAL HEATING APPLIANCE. MAUDE S. WILLIAMS, Los Angeles, Calif. Filed June 9, 1925. Serial No. 35,911. 5 Claims. (Cl. 219—42.)



5. An electrical appliance including a body member open at both ends and adapted at one end to telescope over a motor fan and at its other end adapted to have

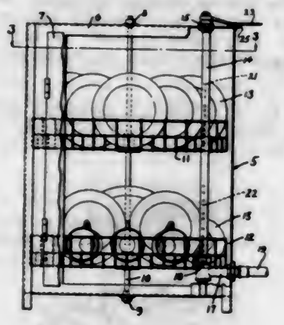
other elements telescoped detachably therewith, a heating element within said body, a combination guard and grate adapted to be telescoped with the outer end of said body, and an air concentrating member having one end adapted to telescope with said body and reduced in size at its other end for converging air currents, said guard and grate and said air concentrating member being interchangeable in said body.

1,633,802. RAKE ATTACHMENT FOR LAWN MOWERS. EDWARD S. WRIGHT, Glendale, Calif. Filed Sept. 26, 1925. Serial No. 58,760. 2 Claims. (Cl. 56—294.)



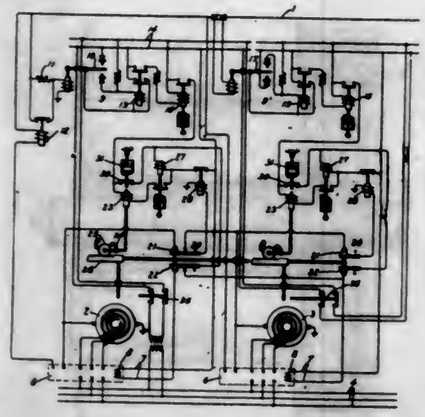
1. An attachment for lawn mowers set forth comprising an attachment bar having runners on its under face and adapted on its upper face to fit against the under side of the cutter bar of a lawn mower and provided at its ends with slotted lugs; bolts bent at the upper ends to form hooks to hook over the frame of the lawn mower and having the lower end portions threaded and adapted to enter the slots of the lugs; and nuts screwed onto the lower ends of the bolts to tighten the bar against the under side of the lawn mower cutter bar.

1,633,803. DISHWASHING MACHINE. FREDERICK A. BALLIN, Los Angeles, Calif. Filed Aug. 1, 1925. Serial No. 47,402. 3 Claims. (Cl. 141—9.)



1. A dish washing machine comprising a casing having in its front wall an opening and closure therefor, said casing having a fluid discharge outlet, a vertically disposed shaft mounted in bearings formed on the top and bottom walls of said casing, a plurality of dish carriers spaced apart mounted on said shaft, and a fluid discharge pipe vertically disposed in said casing having a plurality of fluid discharge outlets, said outlets discharging fluid against the dishes in the carriers to rotate and cleanse the same, and means to rotate said discharge pipe to change the direction of the jets of water issuing through the discharge outlets formed therein, whereby to increase or diminish the velocity of rotation of the carriers or to reverse their direction of rotation.

1,633,804. SYSTEM OF ELECTRICAL DISTRIBUTION. EARL M. BILL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 8, 1921. Serial No. 443,435. 13 Claims. (Cl. 171—118.)

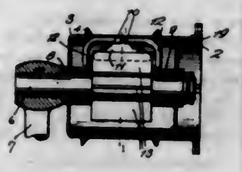


1. In a system of distribution, a distribution circuit, a plurality of dynamo electric machines adapted to be started and subsequently to be connected automatically to said distribution circuit to supply current thereto, a plurality of control devices adapted to be operated in a predetermined sequence, each one of said control devices normally being adapted to control the starting of a different one of said machines, and means associated with each control device and operative in response to a predetermined condition of the machine normally controlled thereby for placing a different machine under the control of such control device and all of the other control devices following such control device in said predetermined sequence.

1,633,805. HEAT-RESISTING ALLOY. GERALD R. BROPHY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 17, 1921. Serial No. 478,422. 8 Claims. (Cl. 75—1.)

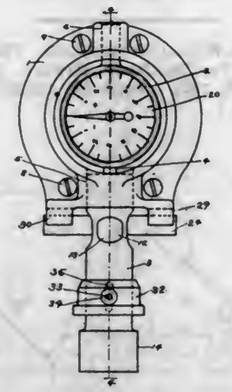
8. An alloy which resists oxidation at high temperatures having an iron base and containing about 10% of aluminum 30% to 40% of nickel and 5% of chromium.

1,633,806. SELF-OILING HUB FOR RADIATOR FANS. RALPH F. CRAWFORD, Salina, Kans. Filed Sept. 28, 1925. Serial No. 59,087. 2 Claims. (Cl. 308—117.)



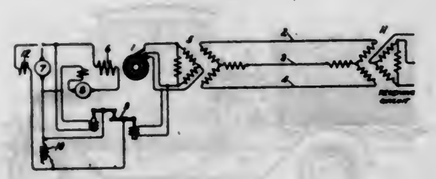
1. A self oiling hub for radiator fans and the like, consisting of a hollow hub having spaced rotary bearings upon the fan shaft and provided with means for deflecting in opposite directions the oil contained in said hub and delivering the same simultaneously to said spaced bearings including a scoop device having its mouth located centrally of said hub adjacent the concave inner surface of the hub and oppositely extending channels leading from said mouth to and terminating adjacent said spaced bearings.

1,633,807. INTERNAL MICROMETER CALIPER. PHILIP J. DARLINGTON, Brookline, Mass. Filed Aug. 16, 1926. Serial No. 129,394. 6 Claims. (Cl. 33—178.)



1. In a micrometer caliper having a frame, a plug with an expansible and contractible measuring end extending from said frame, said plug having a bore with a tapering section within its measuring end, a plunger longitudinally movable in the bore of the plug, said plunger having a tapering end adapted to engage the tapering section of the bore and expand the plug, means for moving the plunger longitudinally within the plug, and an indicator adjustably held by the frame and adapted to be engaged by and to indicate the position of the plunger.

1,633,808. REGULATING SYSTEM FOR DYNAMO-ELECTRIC MACHINES. ROBERT E. DOHERTY, Scotia, N. Y., assignor to General Electric Company, a New York Corporation. Filed May 9, 1925. Serial No. 29,246. 10 Claims. (Cl. 171—119.)



1. The combination of a synchronous dynamo-electric machine, an excitation circuit therefor, a main source of electrical energy for said excitation circuit, and an auxiliary source of excitation interposed in said excitation circuit responsive to current transients induced in the excitation circuit of said synchronous machine.

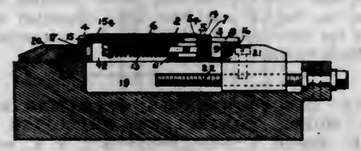
1,633,809. FIGURE WHEELED TOY. JOHN A. EKELUND, Minneapolis, Minn. Filed Oct. 4, 1926. Serial No. 139,353. 7 Claims. (Cl. 46—45.)

1. A toy comprising a base, an axle shaft journaled in said base, said shaft having a crank portion formed therein, traction wheels secured to said shaft, a pivot secured to said base, a member having a portion adapted to hook over said pivot for swinging movement thereabout, said member having another portion adapted to be engaged with the crank portion of said shaft, whereby as said traction wheels are rotated oscillatory motion



will be imparted to said member about said pivot as an axis, said member being releasable from said pivot and said shaft.

1,633,810. PLATE HOLDER FOR PRINTING PRESSES. WALTER C. FELLOWS, Philadelphia, Pa., assignor to C. R. Carver Company, a Corporation of Pennsylvania. Filed Feb. 18, 1926. Serial No. 88,996. 8 Claims. (Cl. 101—383.)

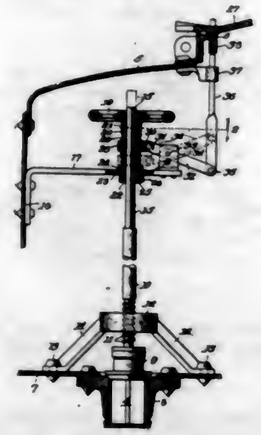


1. An engraved plate holder for printing and embossing presses, consisting of a holder bed rabbeted at front and back portions and having a flat upper surface bounded at one end by an undercut shoulder and having at the opposite end a slot at right angles to the alinement of the undercut shoulder, a sliding clamping block movable in said slot and having an undercut edge facing in the opposite direction to the undercut shoulder on the bed, and spring devices enclosed within the bed for moving the sliding clamping block toward the undercut shoulder with a yielding pressure, combined with a chuck having a flat upper surface and a stationary jaw of a height to fit under the rabbeted portion of the holder bed at one side, a movable jaw adjustable upon the chuck toward and from the fixed jaw and having a height above the surface of the chuck so as to fit under the rabbeted portion of the holder bed and clamp the same tightly against the fixed jaw, and adjusting means for the chuck arranged below the level of the supporting surface for the plate holder.

1,633,811. TANK CAR. FRED G. GARLICK, Chicago, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed July 12, 1926. Serial No. 121,847. 6 Claims. (Cl. 137—21.)

1. In a tank structure having an opening in its upper portion and an outlet, a cover for said opening, a valve for said outlet, a stem operatively connected with said valve and having a threaded portion, a stationary member with which said threaded portion engages, a second

member operatively engaged by, and rotatable with, said stem and relative to which said stem is movable lengthwise, said second member being threaded reversely to said first-referred-to threaded portion, a nut engaging the threads on said second member, a fulcrum mounted



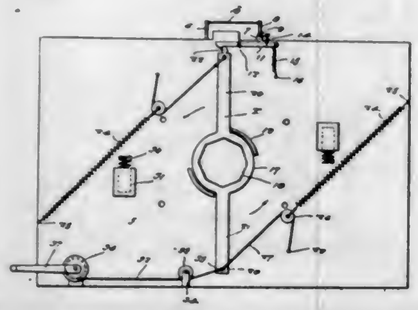
contiguous to said second member, a telltale device mounted near said fulcrum, and a lever mounted on said fulcrum, one end of said lever being connected to said nut and the other end of said lever being connected with said telltale device.

1,633,812. ELECTROMAGNETIC OPERATING MEANS AND MOTOR CONTROLLER EMPLOYING THE SAME. ROBERT W. GOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 18, 1925. Serial No. 24,247. 7 Claims. (Cl. 200—104.)



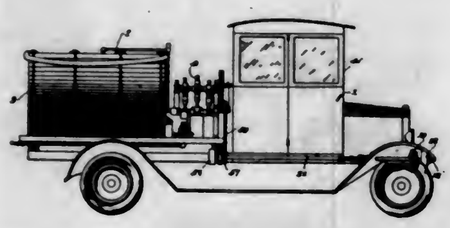
1. Operating means for a device having a normal and two operative positions comprising an operating member, an electromagnet having a magnetic movable element for operating the said member, and means comprising a resilient connection interposed between said member and said element through which, upon the intial energization of said electromagnet, the said member is operated from the normal position to the first operative position and is held therein with the member put under a strain to the second operative position which becomes effective to initiate the operation of the member to the second position upon a momentary deenergization of said electromagnet and through which the said electromagnet completes the movement of the member to the second position upon a reenergization of the electromagnet.

1,633,813. OIL-WELL-CONTROLLED FIRE EXTINGUISHER. TED BENJAMIN HAWLEY, Kevin, Mont. Filed Sept. 17, 1926. Serial No. 136,151. 6 Claims. (Cl. 137—162.)



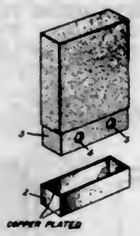
1. A device of the class described including a plate, a valve shut-off tool rotatable above the plate and adapted to operatively engage a valve, means associated with said tool tending to swing it to shut off the valve, a latch associated with said tool for holding it in its valve open position, means tending to release the latch from engagement with said tool, and fuse means for holding said latch in an engaged position with said tool.

1,633,814. POWER TAKE-OFF. THOMAS A. JONES, Walla Walla, Wash. Filed Feb. 25, 1926. Serial No. 90,467. 2 Claims. (Cl. 180—53.)



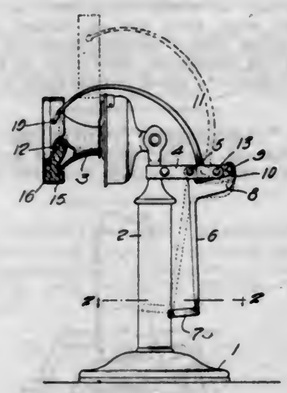
1. In a power take off mechanism, a frame, a hanger mounted on said frame and arranged to mount antifriction bearings, a shaft rotatably mounted in said hanger and provided with a flexible coupling attachable to the crank shaft of an engine, and provided with clutch mechanism, a counter shaft operated in said hanger, means for operating said clutch mechanism simultaneously with the control of said engine, means operably connecting said shaft and said counter shaft, an auxiliary butterfly valve positioned within the intake manifold of said engine, a governor mounted on said counter shaft and detachably attached to said butterfly valve, and means to frictionally secure said butterfly valve in an open position when said governor is detached therefrom.

1,633,815. ELECTRIC TERMINAL. FLOYD C. KELLEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Continuation in part of my copending application, Serial No. 728,977, filed July 29, 1924. This application filed Sept. 14, 1925. Serial No. 56,163. 4 Claims. (Cl. 171—325.)



2. A brush for a dynamo electric machine comprising a body of carbonaceous material, a sheet metal cap frictionally engaging with said body and metallic anchors engaging with depressions in said carbonaceous body and joined by a layer of copper to said cap.

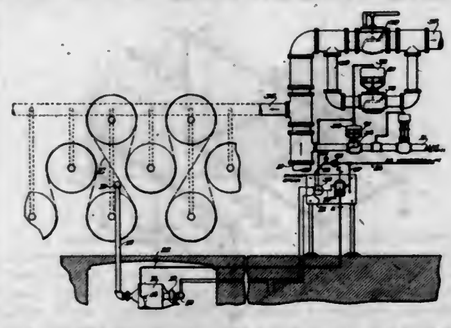
1,633,816. DEVICE FOR USE WITH TELEPHONES. CHARLES B. KINKEAD, Huntington, W. Va. Filed Mar. 26, 1927. Serial No. 178,699. 5 Claims. (Cl. 179—185.)



5. In combination, a telephone having a standard and a mouthpiece, an arm mechanically attached to the standard having an antiseptic container attached to one end, means to manually raise the container to a point above the mouthpiece, release of said manual means allowing the container to drop back into position under the action of gravity.

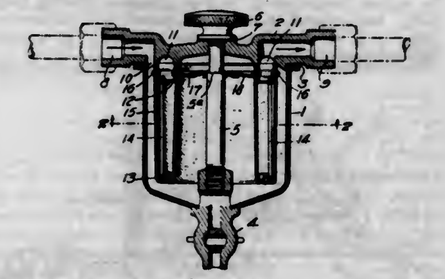
1,633,817. METHOD OF AND APPARATUS FOR CONTROLLING THE MOISTURE CONTENT OF PAPER. FRANK E. P. KLAGES, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 4, 1926. Serial No. 92,185. 8 Claims. (Cl. 34—48.)

1. The method of regulating the moisture content of a sheet of paper during the process of manufacture, which consists in drying said sheet by a continuous process, delivering a body of air over and in intimate contact with the moving sheet at a point a substantial distance short of the point of completion of said drying process, then continuously testing the moisture content of said body



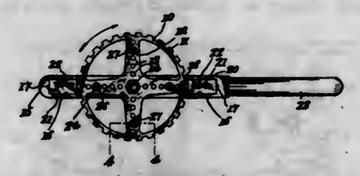
of air, then controlling the heat supplied to said sheet of paper during the process of drying in accordance with the moisture content of said body of air.

1,633,818. FILTER. AXEL W. KOGSTROM, Upper Darby, Pa., assignor of one-half to Allison F. H. Scott, Philadelphia, Pa. Filed June 4, 1925. Serial No. 35,019. 12 Claims. (Cl. 210—165.)



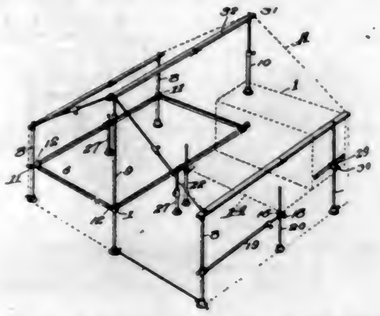
1. A filter comprising a settling chamber and a cap therefor provided with inlet and outlet passages, means for clamping the cap to the chamber, a filter element, and means including said clamping means and a flexible spider supported thereon for resiliently holding the filter element over the outlet passage.

1,633,819. RATCHET FLANGE SETTER. HENRY N. LONG, Roanoke, Va., assignor to Walter K. Queen, Needham Heights, Mass. Filed Feb. 8, 1926. Serial No. 86,960. 3 Claims. (Cl. 81—60.)



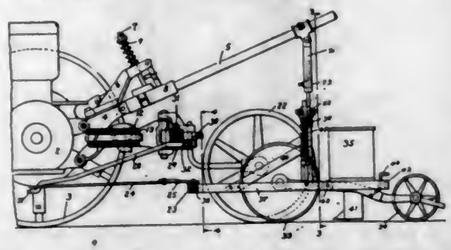
1. A flange setter comprising a wheel, adjustable centering means mounted on the wheel for engaging a pipe flange, means carried by the wheel for binding the pipe flange thereto, a handle member axially pivoted to the wheel, and independently adjustable pawls carried by the handle member for interlocking engagement with the wheel for rotating the same in opposite directions upon the reciprocation of the handle member.

1,633,820. ADJUSTABLE TRUNK-RACK CAMPING OUTFIT. THOMAS J. LONG and JAMES L. TUTTLE, Wellington, Kans. Filed May 14, 1926. Serial No. 109,102. 4 Claims. (Cl. 5—119.)



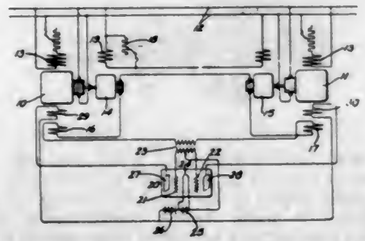
1. In an adjustable trunk rack camping outfit, the combination of a box container provided with a rack bar attached to its outside, a bed frame provided with a hook resting on said rack bar for partly supporting the bed frame on said box container, and additional supporting means for said bed frame.

1,633,821. TRACTION-MACHINE HITCH FOR SEEDERS. JOSEPH MADER, Minneapolis, Minn., assignor, by mesne assignments, to New Beeman Tractor Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Jan. 8, 1920. Serial No. 350,103. 15 Claims. (Cl. 97—48.)



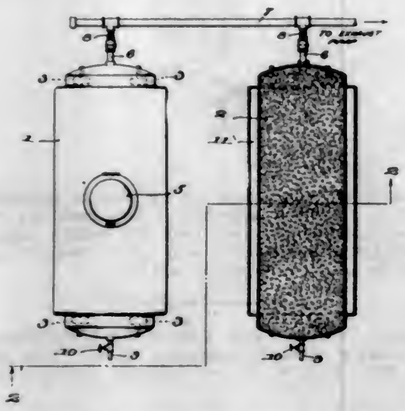
11. The combination, with a traction machine, a draft bar supported at either end by a wheel and connected to said machine and having a forwardly and downwardly projecting draft rod, of an implement frame between said wheels and a draft member connected with said implement frame and having its forward end loosely connected with the forward portion of said draft rod.

1,633,822. SYSTEM OF MOTOR CONTROL. NICOLAS MINORSKY, Philadelphia, Pa., assignor to General Electric Company, a Corporation of New York. Filed Sept. 1, 1925. Serial No. 53,899. 5 Claims. (Cl. 172—293.)



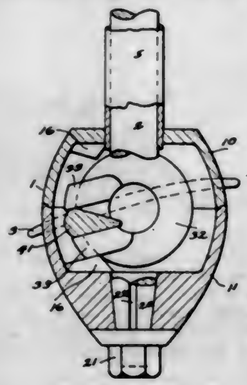
1. In combination, a plurality of mechanically independent electric motors, and speed regulating means for each of said motors, said means including thermionic means connected with the motors to respond to the rate of variation of the speeds of the motors from a predetermined relation for controlling the speeds of the motors to restore the said speed relation and cause the motors to operate practically as if they were mechanically connected.

1,633,823. PROCESS OF SULPHURIZING, DEHYDRATING, AND DESULPHURIZING FRUIT. CHARLES C. MOORE, San Francisco, Calif. Filed Feb. 15, 1926. Serial No. 88,204. 4 Claims. (Cl. 99—9.)



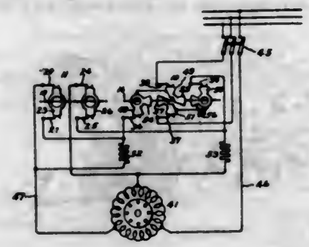
1. A process of desulphurizing fruit which has been sulphurized while fresh for the purpose of arresting enzymic action during dehydration which consists in subjecting the sulphurized dried fruit to a vacuum of about 25 inches for a period of from three to six hours.

1,633,824. REVERSIBLE PROPELLER. WILHELM NIEDERGESAESS, Seattle, Wash. Filed Sept. 16, 1926. Serial No. 135,764. 4 Claims. (Cl. 170—163.)



1. In a reversible propeller, a hollow hub, blades mounted to turn upon the hub about radial axes when reversing, the hub ends of the blades having holding lugs located within the hollow of the hub and eccentric of their reversing axes, a blade controlling member movable within said hollow lengthwise of the propeller axis, said controlling member having lugs engaging the lugs on the hub ends of the blades, the active engaging faces of said lugs being angularly positioned to make plane contacts between the acting faces when in adjusted positions.

1,633,825. REVERSING CONTROLLER. ARTHUR C. PRESCOTT, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed Jan. 30, 1926. Serial No. 84,997. 6 Claims. (Cl. 172—240.)

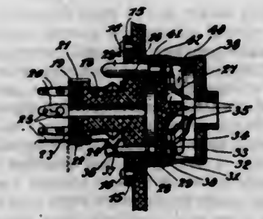


3. A controller for periodically reversing an electric motor comprising two independently rotatable shafts one of which is journalled in the other, reversing contact mechanism operated by the first of said shafts between two positions, resilient biasing means for effecting a snap action movement of said mechanism and for holding said mechanism in the position to which last operated by said first shaft, a second contact mechanism biased to one position and operated by the second of said shafts to a second position, a common operating means for said shafts, a direct driving connection between said second shaft and said operating means, and a resilient driving connection between said first shaft and said operating means.

1,633,826. ALLOY. WILLIAM E. RUDER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 7, 1923, Serial No. 644,057. Renewed Apr. 29, 1927. 6 Claims. (Cl. 75—1.)

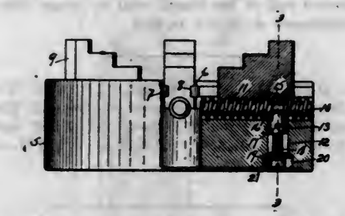
2. A heat resisting alloy having an iron base and containing from 25 to 40% of nickel, from 7 to 9% of aluminum and from 7 to 15% of chromium.

1,633,827. CONNECTER FOR RADIORECEIVERS. SAMUEL SIEGEL, New York, N. Y., assignor to Aerovox Wireless Corporation, a Corporation of New York. Filed Nov. 20, 1924. Serial No. 750,966. 3 Claims. (Cl. 173—332.)



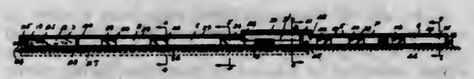
1. A multiple contact socket for use with a panel having an opening and adapted to be secured in said opening with its outer face exposed and substantially flush with the outer face of the panel, comprising a face portion having a plurality of plug receiving openings therethrough circumferentially arranged, and a hub having an outer diameter less than the diameter of the circle in which the plug receiving openings are arranged, said hub portion having a plurality of spring contacts in alignment with the openings and adapted to engage plugs projected through said openings.

1,633,828. CHUCK. HARRY E. SLOAN, Hartford, Conn., assignor to The Cushman Chuck Company, Hartford, Conn., a Corporation of Connecticut. Filed May 5, 1922. Serial No. 558,560. 2 Claims. (Cl. 279—112.)



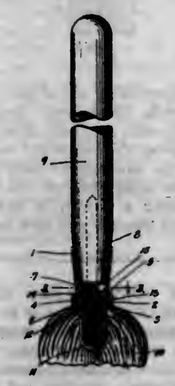
1. A chuck comprising a body and a chuck jaw slidably mounted thereon, one of said members having a hole therethrough including a counterbored portion, a feed screw support comprising two members engaging a feed screw from opposite sides to afford a support therefor, said members fitting said hole whereby they are held together, a retaining screw fitting a threaded opening in said support, a tensioning device located underneath the head of said screw to exert pressure thereagainst that is resisted by the bottom of said counterbored part, and a jaw feeding screw engaged by said support and held thereby.

1,633,829. TUNNEL KILN. HALVER R. STRAIGHT, Adel, Iowa. Filed May 8, 1925. Serial No. 28,848. 9 Claims. (Cl. 25—142.)



1. In combination, a kiln tunnel, a series of ware bearing cars adapted to travel longitudinally through said tunnel, each of said cars being provided with a fire proof floor having a series of horizontally arranged grooves in its upper surface, said car floor being designed to support and carry ware to be burned, said ware being arranged so as to form vertical passages having their lower ends communicating with said horizontal grooves of said floor, means for forcing a cooling medium through said horizontal passages from each end and thence upwardly through the vertical passages as the ware is being cooled.

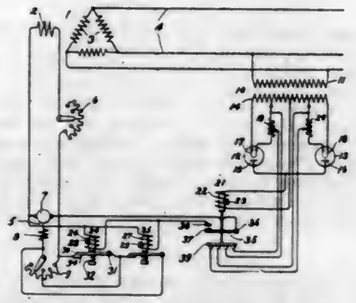
1,633,830. MOP. HERBERT M. STURGIS, Kansas City, Mo. Filed Apr. 20, 1925. Serial No. 24,466. 3 Claims. (Cl. 15—228.)



1. A mop comprising a conical ferrule having an annular internal socket, a disc engaged in said socket and having an axial threaded opening, a mop swab secured

to said disc, a handle having a tapered end receivable in the conical ferrule, and a threaded pin in the end of the handle engageable with the threaded opening of the disc whereby upon screwing the threaded pin in the opening the tapered end of the handle will be drawn into frictional engagement with the ferrule.

1,633,831. REGULATING SYSTEM. LOUIS W. THOMPSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 21, 1924. Serial No. 707,850. 8 Claims. (Cl. 171—229.)



1. An electric circuit regulator comprising a relay for causing a change to be produced in an electrical condition of a circuit to be regulated, an electron discharge device connected to respond to variations in the electrical condition of said circuit for controlling the actuation of said relay, and means operable in response to actuation of said relay for controlling said device to prevent hunting.

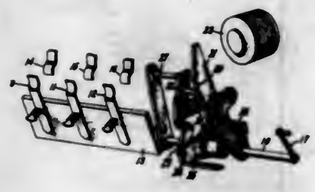
1,633,832. FUSE PLUG. JULIUS C. TOURNIER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 2, 1924. Serial No. 710,641. 5 Claims. (Cl. 200—130.)



1. A fuse plug comprising a contact member provided with external contacts respectively connected to spaced internal contacts thereon, a handle member provided with means adapted to press the respective ends of a fuse link into engagement with said spaced internal contacts, and a central screw extending through one of said external contacts and engaging a thread in the handle member whereby said contact member and said handle member are clamped together.

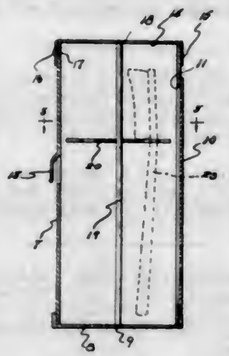
1,633,833. MOTOR CONTROLLER. GEORGE R. TOWNSEND, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 1, 1925. Serial No. 19,980. 2 Claims. (Cl. 200—106.)

1. A motor controller having a plurality of cooperating contacts for establishing starting and running connections, an operating shaft having a handle for operating the contacts, an electromagnet having an armature for holding the said contacts in the running position, the said armature being mounted on the said shaft for rotation with respect thereto, a lever carried by and pivotally mounted with respect to said armature, the said lever having one end operatively connected with said contacts and the other end operatively connected with said shaft, and a spring associated with said lever, the connections being such that operating the said handle from the initial



position to a second position moves the said armature to the attracted position, places the said spring under strain and moves the said contacts to establish the starting connections, the strain of the spring being thereupon effective by reason of the holding effect of said armature to operate the said lever and move the said contacts to establish the running connections when the said handle is released.

1,633,834. TOOTHBRUSH HOLDER. CHARLES VAITULIS, Detroit, Mich. Filed Aug. 28, 1925. Serial No. 52,991. 1 Claim. (Cl. 206—15.1.)

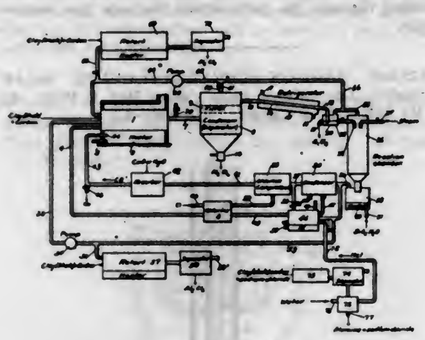


A tooth brush holder of the class described, comprising a receptacle having an opening formed centrally in its bottom; a tongue punched from said receptacle and outwardly offset therefrom for engagement with a supporting member; a removable cap mounted on said receptacle and having an opening formed centrally therein in registration with the opening in said bottom; a shaft rotatably mounted at opposite ends of said openings; a disc fixedly mounted on said shaft and provided with a plurality of peripheral notches each adapted for the reception of a tooth brush handle, said shaft and said disc being removable from said receptacle upon removal of said cap from said receptacle.

1,633,835. ALUMINUM-CHLORIDE PRODUCTION. EDSON R. WOLCOTT, Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 2, 1921. Serial No. 441,783. 18 Claims. (Cl. 23—95.)

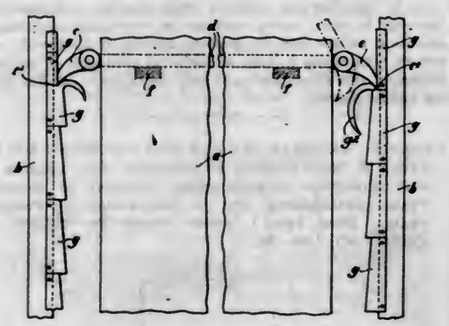
1. The process for producing aluminum chloride which consists in heating aluminum silicate material in the presence of carbon and chlorine to produce aluminum chloride and silicon tetrachloride, withdrawing the gases

resulting from such reaction, cooling the gases to condense and collect the aluminum chloride and then to condense and collect silicon tetrachloride, and maintaining



a body of silicon tetrachloride so condensed in the path of the effluent gases to produce a liquid seal to prevent access of moisture to the aluminum chloride.

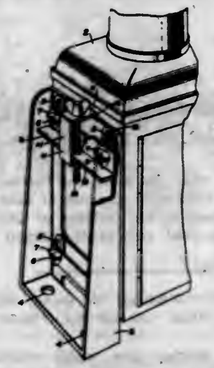
1,633,836. SAFETY CATCH FOR ELEVATORS, LIFTS, OR THE LIKE. JULIUS WÜSTENHÖFER, Dortmund, Germany. Filed Sept. 23, 1926, Serial No. 137,196, and in Germany Dec. 27, 1924. 6 Claims. (Cl. 187—85.)



1. A device for catching falling cages comprising in combination with the cage and with the guide bars for the cage, tools on the cage and adapted to be brought automatically into the operative position when the rope breaks, and work pieces or elements detachably fixed in a continuous row on said guide bars and designed to be worked upon by said tools.

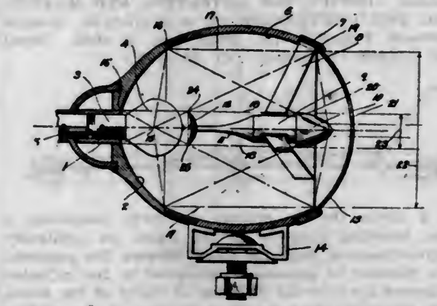
1,633,837. PROJECTION LANTERN. JESSE PAUL YOUTZ, Rio de Janeiro, Brazil, assignor to General Electric Company, a Corporation of New York. Filed Apr. 30, 1924. Serial No. 710,149. 1 Claim. (Cl. 88—24.)

In a projector, a frame, a housing, an upright plate adapted to be screwed to the frame of the projector, guide openings in the plate, a pair of bolts projecting through said guides, a cross beam suspended between said bolts behind the plate whereby the housing may be raised and lowered by raising and lowering said beam, and sliding said bolts in said guides, a support for said beam in the form of an angle piece with one leg of the piece supported by the plate and the other leg of the piece resting against said beam and in sliding engagement therewith, and a threaded element between the piece and the beam for raising and lowering the beam



and thereby operating the housing, said threaded element being supported by the angle piece and in threaded engagement with said beam.

1,633,838. LIGHT-PROJECTING DEVICE. HENRY R. ZIMMERMAN, Topeka, Kans. Filed Mar. 2, 1925. Serial No. 12,709. 1 Claim. (Cl. 240—41.)

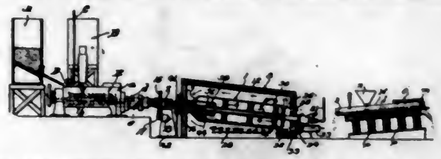


In a lamp, a light source, a concave parabolical reflector in rear of the light source and having its focal point substantially coinciding with the light source for directing rays into parallelism to form a beam, a concave ellipsoidal reflector having one of its focal points substantially coinciding with that of the parabolical reflector and its other focal point located forwardly on a straight line passing through the focal point and the vertex of the parabolical reflector for reflecting rays of light not encompassed by the parabolical reflector into converging lines toward its forward focal point, and a convex parabolical reflector whose focal point coincides substantially with the forward focal point of the ellipsoidal reflector and whose vertex is directed away from the vertex of the concave parabolical reflector and so disposed with respect to the ellipsoidal reflector as to intercept the light rays received from the ellipsoidal reflector and direct them forwardly into parallelism to form a condensed beam substantially concentric with the beam projected by the concave parabolical reflector.

1,633,839. APPARATUS FOR UTILIZING LOW-GRADE IRON ORE. HENRY HAVELOCK HINDSHAW, Minneapolis, Minn., assignor to Hindshaw Engineering & Development Company, Minneapolis, Minn. Filed Jan. 24, 1921. Serial No. 439,343. 5 Claims. (Cl. 263—34.)

1. An apparatus for treating low grade iron ore comprising a heating chamber, an inclined open-ended cylindrical kiln rotatably mounted therein, a hollow shaft

supporting said member, means for feeding material into said hollow shaft and thence into the kiln at the upper end thereof, heating means disposed in said chamber below said kiln, a circular plate of smaller diameter than



said kiln disposed near the open end thereof, whereby an annular outlet is formed at the end of said cylinder, the ore being discharged at the bottom of said outlet, and gases which are formed will be discharged at the upper end of said outlet.

1,633,840. GLUE. WILLIAM R. LONG, St. Louis, Mo. Filed Sept. 24, 1924. Serial No. 739,707. 1 Claim. (Cl. 87—17.)

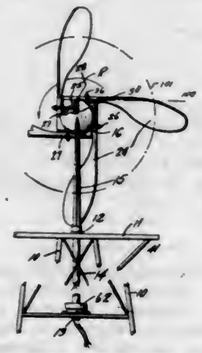
The process of making glue, which consists in mixing together in the cold, a specially converted starch, 8% finely ground caustic soda, and 4% granulated borax, the converted starch being a product formed by heating and agitating a mixture of corn starch and a small amount of a dilute solution of muriatic acid at temperatures above 212° F. and thereafter neutralizing it with soda ash.

1,633,841. DEVICE FOR DETECTING AND MEASURING THE UNEVENNESS OF A SURFACE. HAROLD ANDREW, Princeton, Ill. Filed Sept. 4, 1924. Serial No. 735,968. 5 Claims. (Cl. 33—174.)



1. A device for the purpose set forth comprising a frame, traveling supports for the frame, an oscillatory indicator mounted upon the frame between the supports, and a plurality of gage elements carried by the indicator and spaced apart in the direction of travel of the frame to be separately actuated by variations in the surface over which the frame travels and respectively locate depressions and elevations therein.

1,633,842. WIND MOTOR. GARRIE R. BISHOP, Runnells, Iowa. Filed Oct. 12, 1925. Serial No. 62,013. 4 Claims. (Cl. 170—163.)



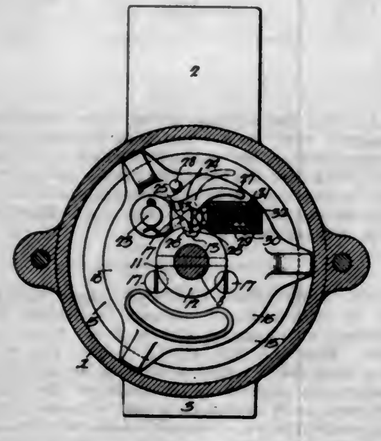
1. In a device of the class described, a shaft, a hub mounted thereon, a blade having at one end a stub shaft mounted rotatably in the hub, said blade having the greater part of its area on the following side of the line of the axis of the stub shaft and having a substantial area on such side and radially beyond the line of a circle having its center in the stub shaft and its circumference passing through the point where the axis line leaves the blade.

1,633,843. SNAP-ON SUCKER-ROD GUIDE. RALPH R. BOSTIC, Los Angeles, Calif. Filed May 1, 1926. Serial No. 105,996. 8 Claims. (Cl. 308—4.)



1. In combination with a well casing, a sucker rod movable in said casing and means engaging said casing and said sucker rod to prevent flexing of said rod, said means comprising a strip of material arranged to entirely surround and to engage said rod throughout substantially its entire length.

1,633,844. RELEASE CLUTCH FOR GRINDING MILLS. JACOB S. BUCKWALTER, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 1, 1924. Serial No. 723,534. 1 Claim. (Cl. 192—56.)



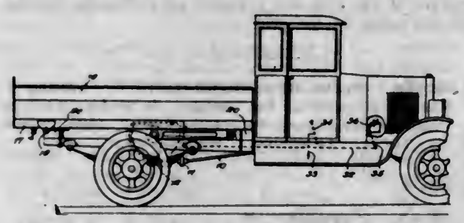
The combination in clutch release mechanism, of a shaft; a collar on the shaft having a transverse groove therein; a movable member mounted on the shaft; a latch pivoted to said member and having a projection extending into the groove in the collar and having a beveled wall in which is a beveled notch, and a spring-pressed plunger mounted on the movable member and having a beveled end arranged to engage the notch in the latch to retain the latch in engagement with the collar, or with the beveled wall to hold the latch out of engagement with the collar.

1,633,845. GRINDER FOR THE CUTTERS OF PENCIL SHARPENERS. GEORGE E. BURTON, Philadelphia, Pa. Filed Aug. 25, 1923. Serial No. 659,297. 8 Claims. (Cl. 51—250.)



1. In a pencil sharpener having a rotary carrier and rotary cutters therein, of grinders rotated with said carrier and movable into and out of engagement with said cutters, and means for holding said grinders in either position.

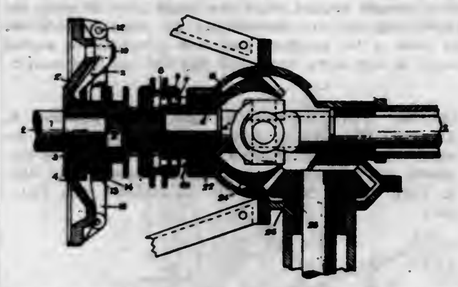
1,633,846. POWER HOIST FOR DUMP TRUCKS. RALPH F. CRAWFORD, Salina, Kans. Filed May 5, 1926. Serial No. 106,944. 1 Claim. (Cl. 298—21.)



In a hoist for dump truck bodies, the combination with a motor, fuel supply means therefor having a throttle, a pivoted dump body, hoisting mechanism therefor, and a power connection between said motor and said hoisting mechanism including a clutch, of means operable by said hoisting mechanism to operate the throttle in said fuel supply means and to disengage said clutch.

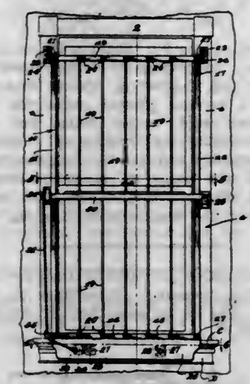
1,633,847. POWER TAKE-OFF MECHANISM FOR MOTOR VEHICLES. RALPH F. CRAWFORD, Salina, Kans. Filed Aug. 12, 1926. Serial No. 128,813. 5 Claims. (Cl. 74—7.)

1. In power take off mechanism for motor vehicles, a drive shaft in two sections, the forward shaft section having a clutch member loose thereon and a clutch member fast thereon and carrying an annular series of clutch springs acting to press the two members of the clutch together, a manually operable device including a shiftable collar upon the forward shaft section for exerting tension upon one end of said springs to release the clutch, the rear shaft section carrying one member of the universal and having clutch teeth, a countershaft, a sleeve upon said rear shaft section provided with clutch teeth and a gearing connection with said countershaft, and means for selectively driving said rear shaft section or said sleeve



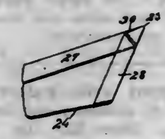
including shiftable clutch means upon the forward shaft section having clutch teeth and located between the rear shaft section and said shiftable collar.

1,633,848. WINDOW BARRIER. LIZZIE DANDRIDGE, Wichita, Kans. Filed Sept. 15, 1926. Serial No. 135,631. 10 Claims. (Cl. 20—71.)



1. In combination with a window frame of a barrier frame constructed of openwork having eyes at its upper end, prong members carried by the window frame for engaging into said eyes, a shield arranged on the lower portion of said barrier frame and extending below the window opening, and securing elements arranged under said shield for attaching the lower end of the barrier frame to the window frame, said securing elements preventing upward movement of the barrier frame for disengaging said prongs from said eyes.

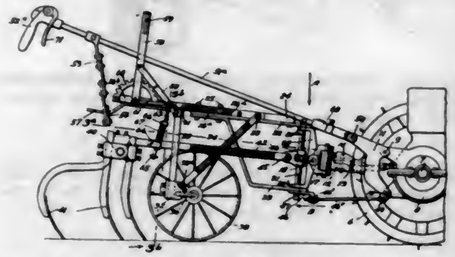
1,633,849. FOLDING METHOD AND PRODUCT. WALTER L. DIXON, Boston, Mass., assignor to Reece Folding Machine Company, Boston, Mass., a Corporation of Maine. Original application filed Apr. 3, 1924, Serial No. 703,951. Divided and this application filed June 9, 1924. Serial No. 718,834. 2 Claims. (Cl. 2—143.)



1. The method of producing an infolded blank having an acute angled corner, formed by the fold lines of two infolded margins, comprising infolding the first of the

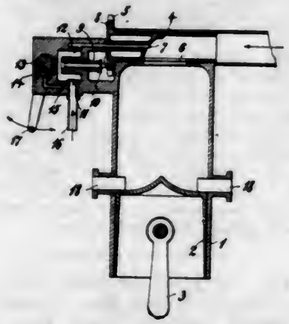
two lineal margins adjacent such corner and forming the excess corner material into a doubled flap with its base hinged directly to the infolded first margin and the unfolded second margin with the hinge line between the doubled flap and the infolded margin lying between the fold lines of the margins, and then infolding the second margin in and down upon such flap and the first margin.

1,633,850. FOUR-WHEELED TRACTOR. FORREST V. DONALD, Minneapolis, Minn., assignor, by mesne assignments, to New Beeman Tractor Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Jan. 3, 1921. Serial No. 434,562. 15 Claims. (Cl. 180—19.)



1. A four-wheel tractor comprising an internal combustion engine, supporting tractive means therefor, a trailer frame and supporting wheels therefor, a king-bolt forming a vertical pivotal connection substantially midway between said trailer frame and said engine, means for oscillating said engine on a vertical axis to steer the machine, and means cooperating with said king-bolt and said frame to resist buckling downward thrust on said king-bolt resulting from the reactive forces of the torque of the engine while turning the machine.

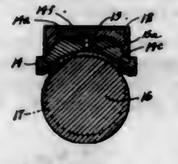
1,633,851. INTERNAL-COMBUSTION ENGINE. FRITZ DÜRR, Munich, Germany. Filed July 23, 1926, Serial No. 124,381, and in Germany July 27, 1925. 4 Claims. (Cl. 123—29.)



1. In an internal combustion engine, in combination, a rotary tubular valve for controlling the scavenging and the charging air, a fuel injecting nozzle opening axially into said valve and a fuel supply pump adapted to operate in the cycle of said valve and to supply the fuel to the charge air in countercurrent.

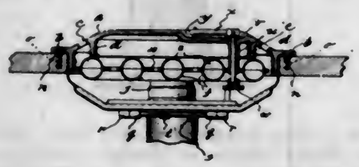
1,633,852. BEARING FOR RAILWAY-AXLE JOURNALS. GEORGE F. ENDICOTT and GEORGE H. GOODELL, St. Paul, Minn. Filed Nov. 19, 1924. Serial No. 750,773. 2 Claims. (Cl. 308—56.)

1. A bearing for a railway journal comprising a member having a continuous semi-cylindrical surface adapted to engage the anti-friction metal next to the journal, said member having a longitudinal groove formed in its top portion dividing said member substantially into segments having a connecting portion of small cross section, said semi-cylindrical surface being formed to fit a full sized axle journal and said member having laterally spaced



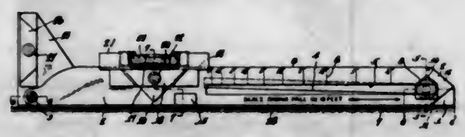
relatively high portions adapted to carry the load on said journal whereby when said journal wears said connecting portion will be distorted under load and said sections will conform approximately to the worn journal.

1,633,853. EXHAUST GAS HEATER. CHARLES FORTH, Detroit, Mich., assignor to Capital Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Sept. 10, 1923. Serial No. 661,896. 9 Claims. (Cl. 257—136.)



1. In an exhaust heater, the combination of a grid and a pan forming a housing, an exhaust gas heating element comprising a plurality of separated pipes united by a header, said heating element supported in the pan, and a depending flange depending from the bottom of the grid and resting on the heating element to divide the interior of the housing into an air intake chamber along the margin of the grid and a heated air delivering chamber on the inside of the grid.

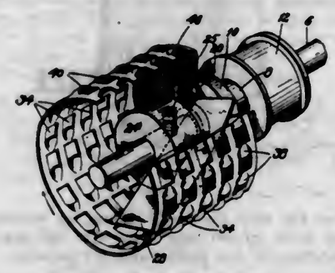
1,633,854. GRADE-MEASURING DEVICE. GROVER C. FRANTZ, Harrisburg, Pa., assignor to Modern Utilities Company, Harrisburg, Pa. Filed Jan. 2, 1926. Serial No. 78,794. 14 Claims. (Cl. 33—88.)



1. A grade indicator including an elongated base of inverted T-cross section having a slot extending longitudinally thereof in the vertical part thereof; a leveling bar pivoted to the base, having a slot inclined relatively to the slot in the base, and means slidable in the slots for angularly adjusting the base relatively to the bar.

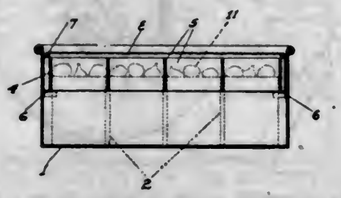
1,633,855. MACHINE FOR REMOVING SURPLUS MATERIAL FROM BOOTS AND SHOES. ROBERT P. FRYE, Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 21, 1924. Serial No. 694,265. 11 Claims. (Cl. 12—83.5.)

9. A machine for removing surplus material from the bottoms of boots and shoes, comprising a shaft, a sleeve on the shaft, means for rotating the sleeve, a hollow shell secured to said sleeve and having abrading projections and perforations and an open end, a scraper blade having one edge secured to said shaft and its opposite edge adjacent to the interior of the shell and inclined to the axis of the shaft, and means to rotate



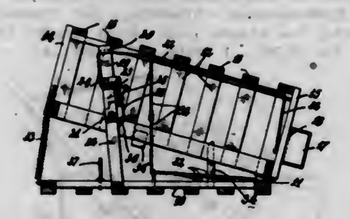
the blade to cause it to remove material from the interior of the shell and create a current of air inwardly through the perforations of the shell and outwardly through the open end of the shell.

1,633,856. CONTAINER FOR FRUIT-CANNING APPARATUS. ALBERT T. GAHAN, Stockton, Calif. Filed Sept. 27, 1926. Serial No. 137,908. 8 Claims. (Cl. 53—1.)



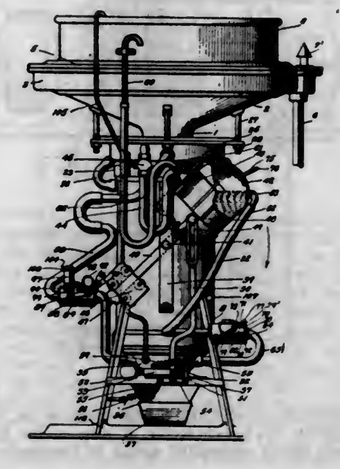
1. In fruit canning apparatus, an open topped container to receive a number of cans in horizontally alined relation, a frame member divided into a number of vertical-sided compartments to be supported in the container so that the compartment-sides project part way between adjacent cans, and a foraminous cover over and adjacent said frame.

1,633,857. ANIMAL AND BIRD TRAP. DANIEL GONZALEZ, Gallup, N. Mex. Filed Oct. 21, 1926. Serial No. 143,054. 2 Claims. (Cl. 43—62.)



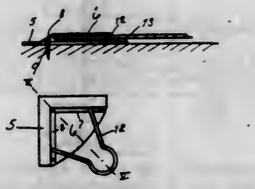
1. In an animal and bird trap of the class described, a base having a cage hinged thereto, a container adapted to hold bait attached to the said cage, an upper support pivotally attached to the top of the said cage, a lower support pivotally attached to the said upper support, a trap proper attached to the said upper support, adapted to hold the said cage in an open position, flexible members attached to the said trap proper as a means of closing the said cage, so as to entrap animals or birds enticed therein, said cage provided with a locking means, so as to prevent the escape of the said animals or birds entrapped therein.

1,633,858. APPARATUS FOR SEPARATING FLUIDS. HOWARD T. GROVES and JOSEPH W. CUSHMAN, Parsons, Kans., assignors to G & C. Oil Separator Corporation, Parsons, Kans., a Corporation of Kansas. Filed Jan. 2, 1925. Serial No. 73. 18 Claims. (Cl. 210—51.)



1. An apparatus for separating materials of different specific gravity comprising an upper chamber having an over-flow for the lightest material, an over-flow chamber for heavier material and a discharge for the heaviest material and a liquid accumulating, weight overbalancing motor for mechanically controlling the last named discharge.

1,633,859. FASTENING DEVICE. VERNON L. HARVEY, San Francisco, Calif. Filed Jan. 31, 1925. Serial No. 6,084. 4 Claims. (Cl. 40—156.)

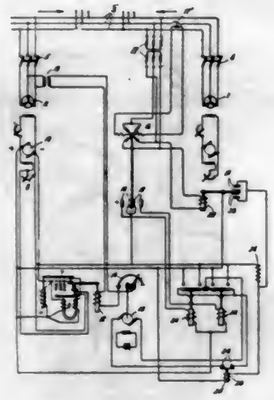


3. A print holding device comprising a plate provided with a flat portion adapted to lie against a wall and a raised portion providing a free space to the wall therebeneath connected to said flat portion by an intermediate portion extending angularly from one to the other, and a tack point projecting rearwardly from said intermediate portion.

1,633,860. SYSTEM OF DISTRIBUTION. MAX HERKLOTZ, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 20, 1924, Serial No. 700,550, and in Germany Mar. 27, 1923. 6 Claims. (Cl. 171—119.)

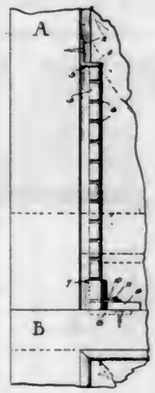
1. In a system of distribution, an alternating current load circuit, a plurality of sources of current adapted to supply current to said circuit, voltage regulating means for maintaining constant the voltage of one of said

sources, and means operative in response to the power factor of one of said sources to change the setting of said regulating means to adjust the value of voltage main-



tained constant by said regulating means so as to maintain constant the power factor of said source to which said power factor responsive means is responsive.

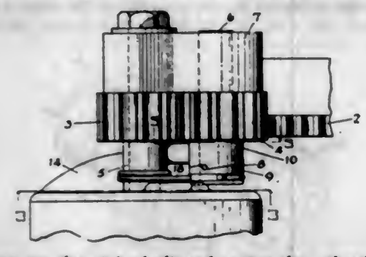
1,633,861. ADJUSTABLE WINDOW-SASH-FASTENING DEVICE. ANDREW INGMAN, Marshfield, Oreg. Filed Oct. 16, 1926. Serial No. 141,993. 4 Claims. (Cl. 292—57.)



1. In a window sash fastener, a bar having brackets at opposite ends thereof for attachment to the upper window sash, said bar having a series of horizontal slots in one side thereof, a sash fastening member slidably mounted on said bar, and a cam member pivoted on said fastening member and operable to engage the slots in said bar.

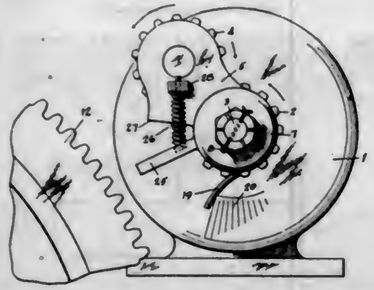
1,633,862. ENGINE STARTER. SHERMAN L. KELLY and LAWRENCE E. KOOS, Toledo, Ohio. Filed Aug. 1, 1925. Serial No. 47,478. 5 Claims. (Cl. 74—7.)

1. In an engine starter, a motor shaft, a pinion on the motor shaft, a member supported on the motor shaft and oscillatable about the axis of the motor shaft, a stub shaft secured to the member, an idler rotatably supported on the stub shaft and meshing with the pinion, means located on the stub shaft for locking the idler from



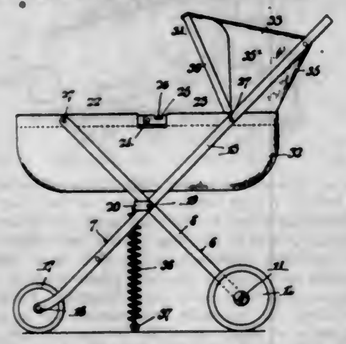
rotation on the stub shaft and means for releasing the idler when it is carried into mesh with the gear wheel by the rotation of the pinion and the member.

1,633,863. ENGINE-STARTER DEVICE. SHERMAN L. KELLY and LAWRENCE E. KOOS, Toledo, Ohio. Filed Mar. 29, 1926. Serial No. 98,127. 6 Claims. (Cl. 74—7.)



1. In an engine starter, a motor shaft, a pinion on the motor shaft, an arm located on the motor shaft, an idler pivotally supported on the arm and meshing with the pinion, a friction clutch member, the arm and the clutch member having a cam surface for movement of the arm and member longitudinally with respect to the shaft, a friction member secured to the shaft for frictionally engaging the clutch member for rotating the arm and the clutch member with the shaft, a means for operating the clutch member to release the arm, and the clutch member when the gears are in mesh.

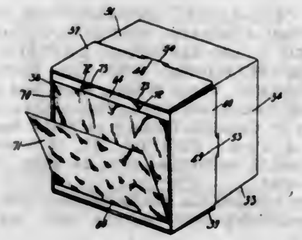
1,633,864. COLLAPSIBLE BABY CARRIAGE. STUART L. KLINGELSMITH, Alhambra, and FREDERICK J. KOEPKE, Los Angeles, Calif. Filed May 12, 1925. Serial No. 29,702. 1 Claim. (Cl. 280—41.)



In a baby carriage structure, a pair of supporting frames pivoted together inwardly of their ends, a collapsible body structure carried by said supporting frames,

a strut, angular members at the outer ends of said strut, said angular members overlying the outer faces of said supporting frames at their points of crossing, the pivots connecting said supporting frames together also passing through said angular members, whereby portions of said strut operate to limit the movement of said frames in one direction, and wheels at the lower ends of said supporting frames.

1,633,865. DISPENSER BOX. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 18, 1924. Serial No. 686,993. 6 Claims. (Cl. 206—57.)

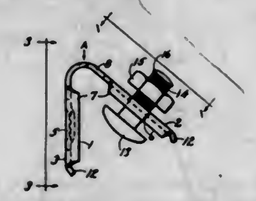


5. A dispenser box for dispensing articles, having four walls and a back, and having a front, said front being provided with four flaps, each having a projecting lock, and each of the four walls being provided with slots into which the locks engage when the said flaps are folded back in order to keep the flaps open, and having a rod or rods fixed in the box at its back to enable articles to be strung thereon.

1,633,866. MANUFACTURE OF CONDENSATION PRODUCTS AND DYESTUFFS OF THE BENZANTHRONE SERIES. ARTHUR LÜTTRINGHAUS, Mannheim, HEINRICH NERESHEIMER, Ludwigshafen-on-the-Rhine, and HUGO WOLFF, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed Oct. 16, 1925, Serial No. 62,934, and in Germany Oct. 25, 1924. 4 Claims. (Cl. 260—61.)

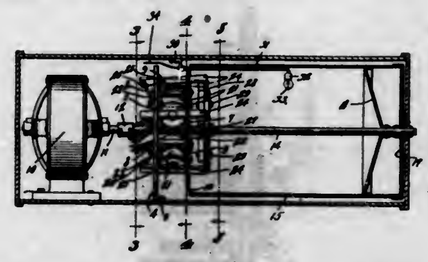
3. As new articles of manufacture, 2.Bzl'-dibenzanthronyls.

1,633,867. CONDUCTOR SUPPORT. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 2, 1925. Serial No. 54,013. 10 Claims. (Cl. 191—43.)



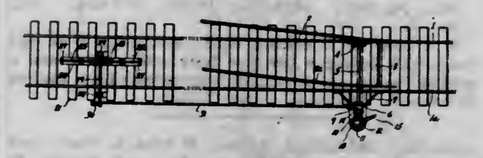
1. A suspension clamp for a conductor comprising a unitary body member bent midway its length to form sides with the opposite edges adjacent to grip the conductor, registering transverse passages through the sides, fastening means positioned within the passages to draw the gripping edges into and maintain them in engagement with the conductor and a weakened portion adjacent and to one side of the center of the bight to permit one side of the clamp to move relative to the other side and the edge thereof into engagement with the conductor.

1,633,868. SIGNALING DEVICE. CHARLES E. MYERS, Vancouver, Wash. Filed Jan. 4, 1922. Serial No. 526,891. 1 Claim. (Cl. 177—327.)



In a device of the class described, a tubular casing, a first transverse plate secured to the casing and located within the casing, a second transverse plate disposed parallel to the first plate, both plates having openings, securing elements connecting the plates and supporting the second plate from the first plate in spaced relation to the casing, a shaft journaled in the plates, electromagnets located radially with respect to the shaft and disposed between the plates, means for mounting the magnets on the second plate independently of the first plate, armature levers extended through the openings of both plates and fulcrumed intermediate their ends on the first plate, springs located outwardly of the first plate and connecting the ends of the armatures with the first plate, a stop projecting from the shaft, the springs constituting means for holding the opposite ends of the armatures out of the path of the stop, the armatures being mounted to swing radially of the shaft and being responsive to the electro-magnets to dispose the last-specified ends of the armatures in the path of the stop, a signal carried by the shaft, and a motor connected to the shaft, the signal and the motor being located within the casing.

1,633,869. SWITCH-OPERATING MECHANISM. PETE PETERSON, Monroe, Wash. Filed Mar. 25, 1926. Serial No. 97,293. 2 Claims. (Cl. 246—323.)



1. A switch actuating mechanism comprising a fixed support, a bearing sleeve rotatable in the said support, a shaft operatively connected with the switch and extending in a threaded connection through the said bearing, a lever arm extending from the bearing whereby it may be rotated in opposite directions to effect longitudinal movement of the shaft for opening or closing the switch, a rocker shaft mounted transversely of the track at some distance from the switch, a rocker lever mounted on the rocker shaft in position to be engaged and actuated by a control member on a car moving along the track, a lever fixed to the latter shaft and a link operatively connecting the lever with the rotating arm of the said bearing.

1,633,870. CONDENSER. EARL F. POTTER, Glencoe, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1923. Serial No. 614,964. 7 Claims. (Cl. 175—41.5.)

1. In a device of the character described including a fixed element and a rotatable element, a shaft for said

rotatable element, a second fixed element, a movable element associated with said second fixed element, a shaft for said movable element extending through the shaft of



said rotatable element, and means rotatably secured in said first shaft for moving the shaft of said movable element longitudinally in the first said shaft.

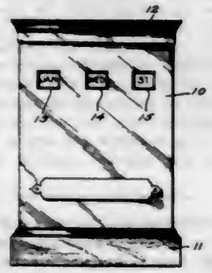
1,633,871. METHOD OF REVIVIFYING SPENT ADSORBENTS FOR OIL TREATMENTS. PAUL W. PRUTZMAN, Los Angeles, Calif., assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif., a Corporation of Delaware. Filed Sept. 2, 1922. Serial No. 586,031. 7 Claims. (Cl. 252—2.)

1. The method of revivifying spent oil purifying adsorbents for the production of a mudded body for the decolorization of oils, which consists in washing from the spent adsorbent the entrained oil with an organic solvent for the oil, then washing out the adsorbed bodies with an organic solvent for such bodies, then separating any excess quantity of such solvent and finally treating the adsorbent with water for the separation of the remainder of such solvent and leaving the revivified spent adsorbent in a thickened mudded or plastic condition.

1,633,872. PROCESS OF PRODUCING CRACKERS AND THE PRODUCTS OF SAID PROCESS. HUGH F. RIPPEY, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a Corporation of Washington. Filed Mar. 26, 1925. Serial No. 18,637. 8 Claims. (Cl. 99—10.)

8. A base for a cracker dough comprising flour and coconut oil having a low free fatty acid content and a melting point of seventy-two to seventy-four degrees Fahrenheit.

1,633,873. CALENDAR BANK. WALTER E. SMILY and THOMAS HANNAH, Pittsburgh, Pa., and MILTON E. WINANS, Irvington, N. J.; said Hannah and Winans assignors to said Smily. Filed Oct. 29, 1926. Serial No. 144,972. 3 Claims. (Cl. 194—94.)



1. A calendar bank comprising, in combination: a casing having a plurality of coin slots therein; a separate registering wheel for each slot, each of said registering wheels being mounted within said casing for advancement by direct engagement with an inserted coin, each of said registering wheels having a series of teeth thereon; a spring mounted adjacent each coin slot and its respective series of teeth, each of said springs being adapted to hold an inserted coin in its slot so that one portion thereof is in restraining engagement with the teeth of its respective registering wheel while another portion of said coin is within the confines of its slot until another coin is inserted in said slot, and each of said springs also engaging the teeth of its respective registering wheel to prevent backward rotation of its registering wheel, substantially as specified.

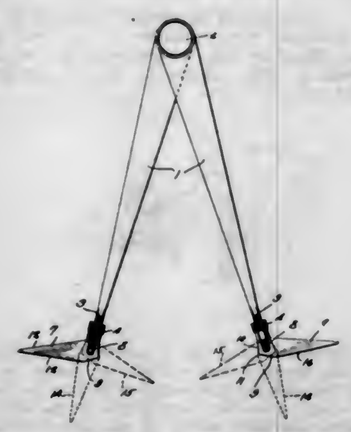
1,633,874. CHROMABLE AZODYESTUFFS DERIVED FROM FORMALDEHYDE SULPHUROUS ACID AND NITRATED 1-(AZO-NAPHTHOL)-2-HYDROXY-NAPHTHALENE-4-SULPHONIC ACID AND PROCESS OF MAKING SAME. FRITZ STRAUB, Basel, and HERMANN SCHNEIDER, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Firm. Filed July 21, 1926, Serial No. 124,097, and in Switzerland Sept. 24, 1925. 4 Claims. (Cl. 260—89.)

3. As new products the herein described new azo dyestuffs corresponding very probably with the general formula:



wherein R stands for the residue of an unsulphonated naphthol, which products form black powders which dissolve in water to violet-brown solutions, in dilute caustic soda solution to black and in concentrated sulphuric acid to blue solutions, and which dye wool, when afterchromed, very fast black shades which are particularly fast to potting.

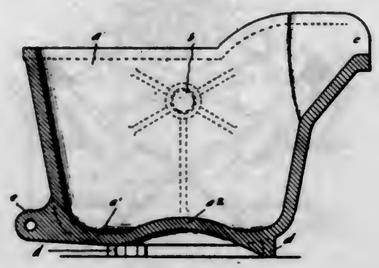
1,633,875. COMBINED CALIPER AND DIVIDER. ULYSSES G. SWEENEY, Mount Bullion, Calif. Filed Jan. 18, 1927. Serial No. 161,862. 1 Claim. (Cl. 33—149.)



A pair of calipers comprising pivotally connected arms, and points pivoted to the free ends of the arms respectively, each point having similar, angularly-related end edges, said edges defining corner angles, and a nut

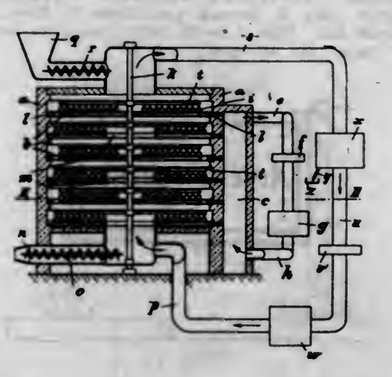
threaded on each arm, each adapted to bear at its end upon one of said edges to hold its respective point in adjusted position, the nuts having threaded bores for the reception of the arms, and the corner angles being receivable in the bores of the nuts thereby to hold the points in still other adjusted positions.

1,633,876. CAST-STEEL LADLE. ERNEST G. SWIGERT, Portland, Oreg. Filed Aug. 31, 1925. Serial No. 53,525. 1 Claim. (Cl. 22—81.)



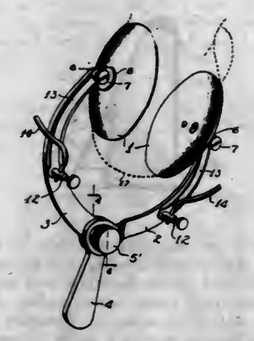
A ladle adapted for carrying molten metal inducing interior heating, the bottom of the ladle being formed of substantially uniform thickness, and with an incurved area whereby the linear dimensions of the bottom between diametrically opposed points in the side walls of the ladle are increased to permit unequal expansion and shrinkage of the bottom and neutralize the strains tending to cause crasing and cracking of the bottom.

1,633,877. PROCESS OF RECOVERING HYDROCHLORIC ACID. HENRI TERRISSE and MARCEL LEVY, Geneva, Switzerland. Filed Mar. 15, 1921, Serial No. 452,414, and in Switzerland Mar. 25, 1920. 1 Claim. (Cl. 23—154.)



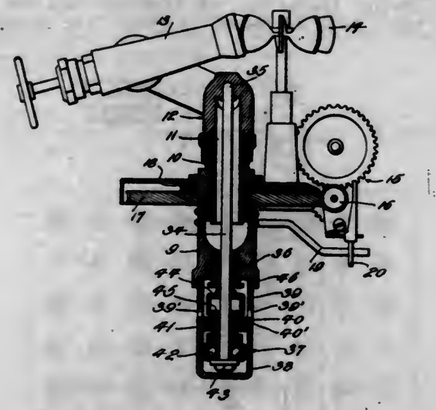
A process for separating and recovering hydrochloric acid solution from a powdery mixture of lignine, dextrine and glucose, comprising indirectly heating the mixture by conveying the same in thin layers in one direction and in direct contact with a gaseous current which has been previously heated sufficiently to remove the hydrochloric acid in a vaporized state from the solid material without deteriorating the same and to dry the remaining solid material, then condensing and separating the vaporized hydrochloric acid from the gaseous current, and reheating the gaseous current and again using it as before for removing the hydrochloric acid of the powdery mixture.

1,633,878. ELECTRICAL THERAPEUTIC DEVICE. GEORGE W. WALLERICH, Chicago, Ill. Filed Feb. 9, 1925. Serial No. 7,965. 2 Claims. (Cl. 174—89.)



1. A therapeutic device adapted for application to a pathologic organism, said device comprising a pair of arms hinged together, mutually insulated electrodes on the distal ends of said arms formed to snugly fit and to embrace said organism, means to secure the setting of said arms, and means to supply electric current to said electrodes for transmission through the said organism.

1,633,879. LAWN-SPRINKLER BEARING ASSEMBLY. GEORGE ZINT, Wapakoneta, Ohio. Original application filed Mar. 8, 1926, Serial No. 93,238. Divided and this application filed Dec. 13, 1926. Serial No. 154,537. 3 Claims. (Cl. 286—7.)



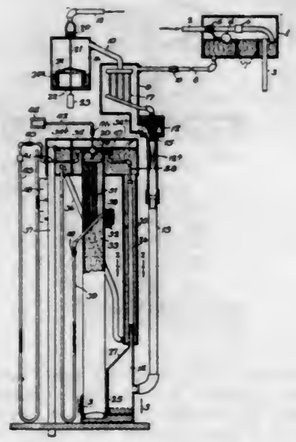
1. An assembly of the class set forth comprising a hollow liquid-conducting body having a stuffing box at its lower end, a rod passing downwardly through said stuffing box, a housing abutting the lower end of said body and formed of upper and lower cup-like sections detachably connected with each other, the upper section having an opening in its bottom through which said rod passes into the lower section, a thrust bearing within said lower section having operative connection with said rod to hold the latter against upward movement, and means within said upper cup-like housing section to prevent liquid from running down the rod into the lower housing section, said upper section having an outlet for the arrested liquid.

1,633,880. POULTRY FEEDER. HARM AHLRICHS, Sherman, Ill. Filed Oct. 28, 1926. Serial No. 144,786. 4 Claims. (Cl. 119—61.)



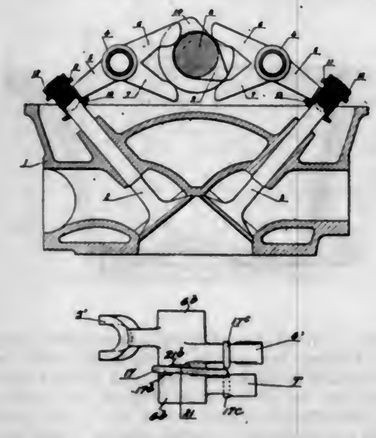
1. In a device of the class described, a substantially weather tight container consisting of a bottom, a pair of triangular side walls rising therefrom and having vertical front edges and rear edges which incline forwardly, a vertical front wall terminating in upwardly spaced relation with said bottom leaving a space to accommodate a pan, a narrow top between the upper end portions of said side walls and downwardly spaced from their upper extremities, said top inclining rearwardly, a back wall contacting with said inclined rear edges of said side walls and having flanges lying against the outer sides of the latter, the upper end of said back wall having a forwardly projecting rearwardly inclined flange lying on said rearwardly inclined top, and pivots connecting the upper ends of the first named flanges with the upper ends of said side walls at points somewhat above said top, said pivots permitting rearward and upward swinging of said back wall.

1,633,881. APPARATUS FOR ANALYZING GASES. JULIUS ALSBERG, New York, N. Y., and PAUL J. RALPH, Trenton, N. J.; said Ralph assignor to said Alsberg. Original application filed May 18, 1917, Serial No. 169,475. Divided and this application filed Feb. 5, 1924. Serial No. 690,855. 8 Claims. (Cl. 23—256.)



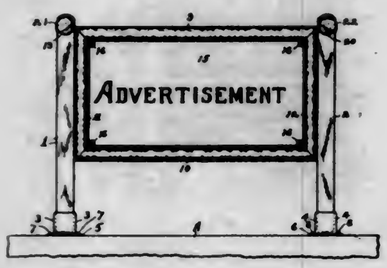
1. In an apparatus for analyzing a mixture of gases, a gas inlet, a water inlet, means adapted to cooperate with said gas inlet to control the pressure of the gases as they are drawn into said apparatus, means for equalizing the temperature between said gases and the water flowing through said water inlet, means for causing the absorption of one of said gases in said water, means for separating the unabsorbed gases from said water, a restricted outlet for said unabsorbed gases, and means whereby the pressure required to force said unabsorbed gases through said outlet acts to indicate the proportion said absorbed gas bears to said unabsorbed gases.

1,633,882. VALVE-OPERATING MECHANISM. ERNEST MAURICE BALLOT, Paris, France. Filed Oct. 26, 1925. Serial No. 64,952, and in France Nov. 17, 1924. 1 Claim. (Cl. 123—90.)



Valve operating mechanism comprising a pair of rocker arms each provided with a hub portion, a lug on one of said hub portions arranged for slight play in a recess in the other hub portion and a spring having a coil arranged around the hub portions and having hook shaped ends engaging said arms to yieldably force the same toward each other.

1,633,883. MINIATURE ELECTRIC ADVERTISING SIGN. ROY E. BENHAM and HOMER B. ROSS, Richmond, Ind. Filed June 15, 1923. Serial No. 645,673. 1 Claim. (Cl. 40—130.)



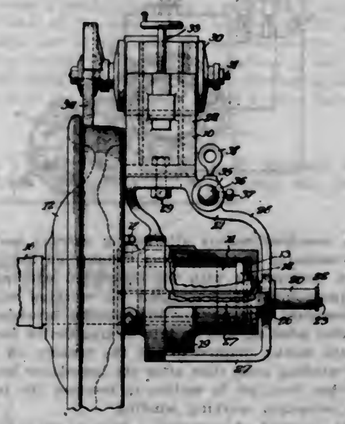
A miniature electric advertising sign comprising a pair of spaced apart vertical posts, a socket for the lower end of each post, means for rigidly securing the sockets to a flat surface, a pair of rails, a pair of stiles located at right-angles to the rails and rigidly connected therewith, the rails and the stiles forming a frame located between said posts, backing secured to the rear sides of the frame members and extending out over the rear sides of the posts and secured thereto thereby rigidly securing the frame to the posts, a sheet of material attached to the face of the backing and extending between the members of the frame and adapted to have an advertisement printed thereon, a light fixture extending out from the upper portion of each post, and a reflector connected to each post and arranged to direct the light from the respective fixtures onto said sheet which carries an advertisement.

1,633,884. PAPER CAN. RAYMOND A. BENNETT, Roxbury, and ALBION M. BOOTHBY, Watertown, Mass., assignors to Boothby Fibre Can Company, Boston, Mass., a Corporation of Massachusetts. Filed June 21, 1922. Serial No. 569,909. 2 Claims. (Cl. 229—5.5.)



1. A paper container comprising the combination, with a shell, of a cover closing the end of the shell and having a central body portion within the hollow of the shell and terminating in a flange extending in the outward direction of the axis from said central portion and fitting closely the inside of the shell; the said body portion of the cover being dished inward and adapted under pressure from within to press said flange more tightly against the shell.

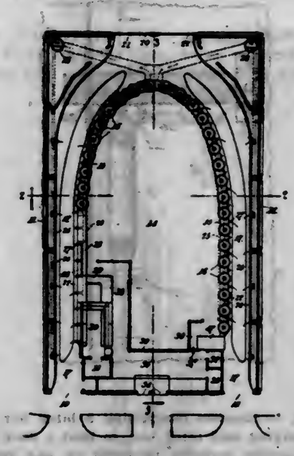
1,633,885. PORTABLE GRINDER. MIGUEL CASTILLO, Mexico City, Mexico, assignor of one-half to S. W. Fisher, Chicago, Ill. Filed Mar. 27, 1924, Serial No. 702,338, and in Mexico June 19, 1923. 1 Claim. (Cl. 51—254.)



1. In an apparatus for removing flat spots from railroad car wheels, an eccentric bearing member adapted to be fixedly mounted on the axle of the wheel, a pedestal revolubly mounted on said bearing member to rotate and slide freely axially both directly thereon, and a grinding unit mounted on said pedestal.

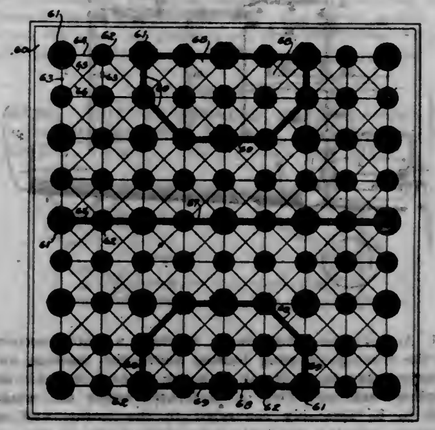
10. A portable grinder for removing flat spots from railroad car wheels comprising a pedestal having an eccentric bearing member by which it is revolubly and slidably mounted on the axle of the car wheel and having a portion adjacent its other end offset in the direction of the plane of the wheel, and a grinding unit adjustably mounted on said offset portion with its axis aligned with a vertical radius of the car wheel when the pedestal is vertically disposed and in a plane passing through the highest point of the eccentric mounting and axis thereof, said axis being disposed below the axis of the wheel.

1,633,886. SELF-SERVING STORE. JAMES R. DUFFIN, Louisville, Ky. Filed Dec. 4, 1926. Serial No. 152,602. 13 Claims. (Cl. 186—1.)



1. In a store structure of the character set forth, the combination with a display means for goods, of a vehicle driveway along one side of the same that gives occupants of vehicles traversing the same access to the goods, an area for pedestrians along the opposite side of said display means and affording access to the goods on said means, and an entryway to said area.

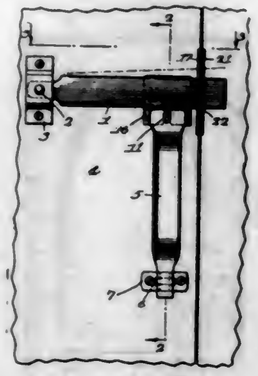
1,633,887. GAME. LOUIS ESPITALLIER, Jennings, La. Filed Sept. 3, 1925. Serial No. 54,329. 5 Claims. (Cl. 273—131.)



1. A game comprising a board having a plurality of spaces upon the face thereof, said spaces being connected by vertical, horizontal and diagonal lines, a de-

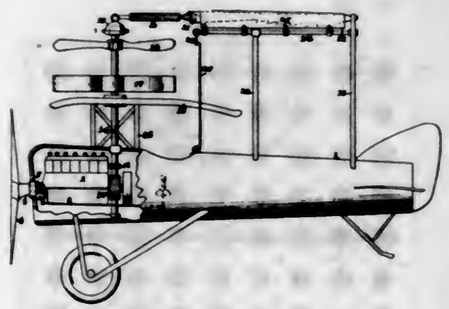
termined number of spaces being bounded by heavy vertical, horizontal and diagonal lines for segregating a determined area, and a plurality of game pieces of different game values adapted for movement over the lines and into the spaces.

1,633,888. DOOR LATCH. WILLIAM D. FERRIS, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a Corporation of Illinois. Filed Jan. 28, 1926. Serial No. 84,316. 3 Claims. (Cl. 292—234.)



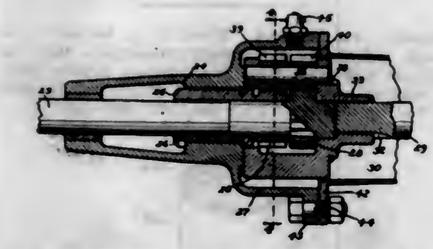
1. A latch mechanism comprising a latch bar, a strike piece for engaging said latch bar, to hold a door in closed position, a handle movably mounted on one side of the door, adapted for use in opening and closing the door, and engaging means rigid with said handle and thereby having movement in unison therewith to automatically lift the latch when the door is opened.

1,633,889. AIRPLANE. GERMANO FIGLIETTI, San Francisco, Calif. Filed Nov. 29, 1926. Serial No. 151,570. 4 Claims. (Cl. 244—15.)



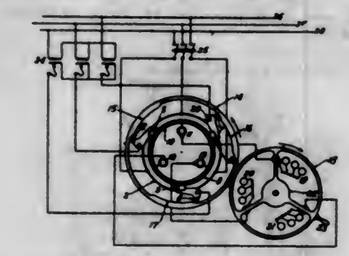
1. An airplane comprising a fuselage, a motor, secured to the fuselage, a wing located above the fuselage and attached thereto, a lifting propeller adapted to raise the airplane, said propeller to be located above the wings, and to be rotatably connected to the motor, and an exhaust propeller rotatably connected to the motor and located between said lifting propeller and the wing, thereby to prevent the inrushing of the air below the lifting propeller and to maintain a low atmospheric pressure above the wing.

1,633,890. STEERING-GEAR REDUCTION. HENRY FORD, Dearborn, Mich. Filed June 1, 1926. Serial No. 112,763. 2 Claims. (Cl. 74—34.)



1. In a steering gear reduction device, a two part housing having a gear housing portion and a steering column portion, the gear housing portion having an enlargement at the upper end thereof, a sleeve fixed in said gear housing and having a stationary gear at the inner end thereof, a driven shaft extended through said sleeve into the gear housing and having a gear formed at the inner end thereof, a driving shaft extended into said housing, a planetary spider of generally cylindrical shape having spaced recesses in its walls and pairs of aligned parallel openings adjacent to said recesses, said spider also having a sleeve extended from one end thereof and a groove adjacent to said sleeve, means for securing the driving shaft in the sleeve, pins mounted in said pairs of openings, resilient means mounted in the groove to lock said pins in the spider, and pairs of planetary gears mounted in said recesses on said pins in position to coact with the stationary gear and said second gear to impart rotation from the driving to the driven shaft.

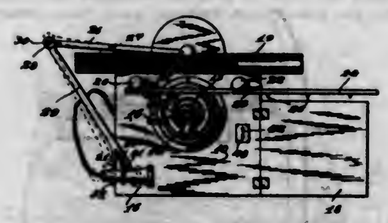
1,633,891. NONSYNCHRONOUS MOTOR. VALÈRE A. FYNN, St. Louis, Mo. Filed Oct. 22, 1926. Serial No. 143,429. 4 Claims. (Cl. 172—280.)



1. A non-synchronous alternating current motor, having a commuted and a working winding on its secondary, brushes cooperating with the commuted winding, means for introducing impedance into the working winding on the secondary, means for raising the brushes off the commuted winding, and an interlocking device for the two aforesaid means adapted to lift the brushes off the commuted winding some time after the impedance introducing means has been set in motion to increase the impedance of the secondary working winding.

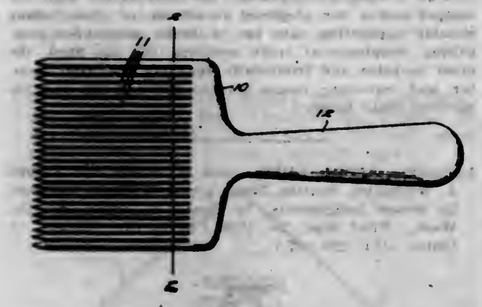
4. The method of operating a phase compensated alternating current induction motor having a commutator and cooperating brushes, comprising, starting the machine by impressing an alternating voltage on the primary and introducing impedance into its secondary member, decreasing said impedance and shortcircuiting the secondary member, concurrently interrupting the compensating circuits at starting by lifting the brushes off the winding with which they cooperate, and reestablishing cooperative relation between the commuted winding and the brushes after the machine has reached a sufficient speed.

1,633,892. TELEPHONE EQUIPMENT. MARTIN D. GARNER, Tulsa, Okla. Filed Aug. 31, 1925. Serial No. 53,713. 5 Claims. (Cl. 179—81.)



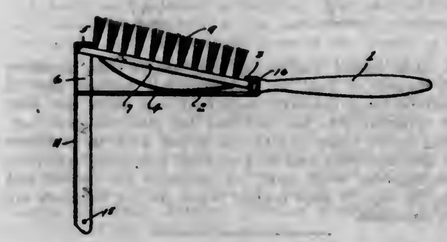
1. In telephone equipment, a telephone circuit switch, a light circuit controlled thereby, a manually operable switch to control the light circuit, a booth closure and means operatively associated therewith to reset the last named switch in initial position when said closure is opened.

1,633,893. COMB. RALPH N. HYMER, Newberg, Oreg. Filed Sept. 7,. 1926. Serial No. 134,096. 2 Claims. (Cl. 132—11.)



1. A barber's comb comprising a body, teeth extending from one side of the body, and a handle extending from the opposite side of the body, the toothed portion of the comb being arcuate transversely to conform to the curvature of the head, whereby the hair projecting beyond the convex face of the comb may be cut off to even lengths.

1,633,894. HAIR BRUSH. FRANK W. KELLOGG, Reedsport, Oreg. Filed May 1, 1926. Serial No. 106,095. 3 Claims. (Cl. 15—202.)

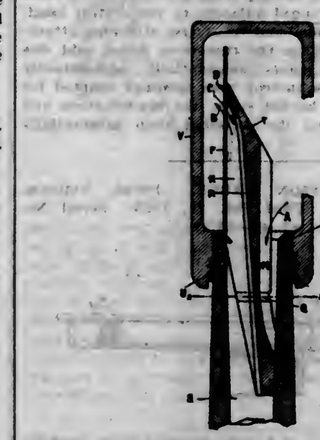


1. A hair brush embodying an inner back, including a handle; an outer back embracing the inner back; an inwardly turned end wall formed upon the outer back; an inwardly projecting portion formed on the inner back; one or more brush elements disposed upon said inner back and having the ends thereof positioned below the inwardly turned end wall and the inwardly projecting portion aforesaid; and a yielding element disposed between said brush elements and said inner back, and causing the ends of said brush elements to engage, the inwardly turned end wall and the inwardly projecting portion aforesaid.

1,633,895. METHOD OF WORKING SUGAR CANE. ALBERT EMIL KIENZLE, Cairo, Egypt. Filed Mar. 25, 1925, Serial No. 18,300, and in Germany Jan. 19, 1923. 1 Claim. (Cl. 99—11.)

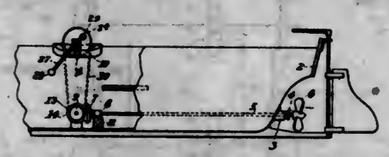
Process of treating sugar-cane which comprises reducing the cane to flour and dividing the flour into a plurality of grades with respect to sugar content by sifting.

1,633,896. FOUNTAIN PEN. THEODOR KOVÁCS, Meran, Italy. Filed June 16, 1924, Serial No. 720,430, and in Germany July 17, 1923. 1 Claim. (Cl. 120—50.)



A fountain pen, comprising, in combination, an ink receptacle and a feed immovably located therein and extending from the open end thereof to below the pen, said insert having in its upper side an air-channel having capillary grooves in its bottom, and in its lower side an ink filling channel communicating constantly with said ink receptacle, this communication being at least partly so narrow as to be adapted to prevent the passage of air therethrough if closed by ink, the first mentioned air-channel being however, so wide that it is unable to retain ink when the fountain pen is in practically vertical position, substantially and for the purpose set forth.

1,633,897. BOAT-PROPELLING DEVICE. OTTO LEWETZKI, Detroit, Mich. Filed Aug. 21, 1926. Serial No. 130,592. 4 Claims. (Cl. 115—21.)



1. A boat propelling device comprising a propeller shaft having a propeller on one end, said shaft being adapted to project through the stern of a boat, a cross shaft, means for driving said propeller shaft from said cross shaft, discs rotatably mounted in bearings adapted to be secured to the sides of a boat; an eccentric opening in each of said discs, operating handles having outer ends taking into said eccentric openings, means for mounting said operating handles intermediately of their

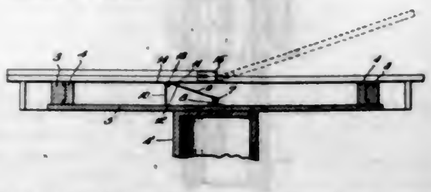
length so that as their inner ends are moved through a substantially circular path said discs will be rotated, and means for driving said cross shaft by the rotation of said discs.

1,633,898. COMBINED BRUSH AND POLISHER. FRANK A. LISI, Philadelphia, Pa. Filed May 29, 1926. Serial No. 112,568. 2 Claims. (Cl. 15—114.)



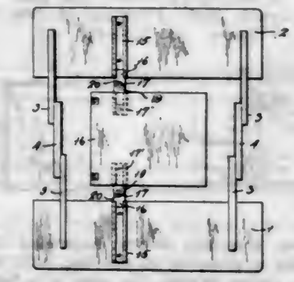
1. The combination with a block, of a polishing strip to be used in connection therewith, provided at its ends with transverse hems, headed studs attached to the ends of the block and arranged adjacent to the central longitudinal axis of the same, and transverse stiffening attaching ribs arranged within the transverse hems, said ribs being provided at points substantially equi-distantly spaced from the ends thereof with openings adapted for the reception of the headed studs, the headed studs and stiffening ribs holding the polishing strip substantially flat upon the block.

1,633,899. EXTENSION TABLE. PETER NYHOLM, Edgewood, Wash. Filed Feb. 21, 1925. Serial No. 10,873. 2 Claims. (Cl. 45—112.)



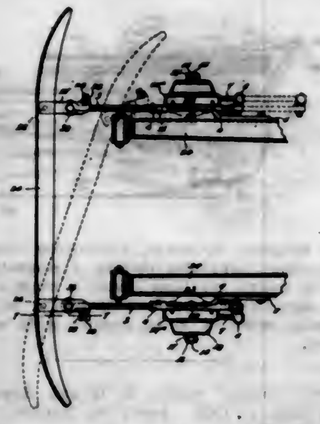
2. A filler leaf support for an extension table comprising a link or hinge adapted to be permanently connected at one end to the table structure and at its other end to a filler leaf, a prop pivotally connected with the link or hinge, a stop extending from the prop and engaging the upper face of the link to prevent collapsing of the link and prop in their elevated positions, and a support also extending from the prop and adapted to engage the under face of the filler leaf.

1,633,900. REVOLVING-LEAF EXTENSION TABLE. PETER NYHOLM, Edgewood, Wash. Filed Feb. 21, 1925. Serial No. 10,874. 4 Claims. (Cl. 45—112.)



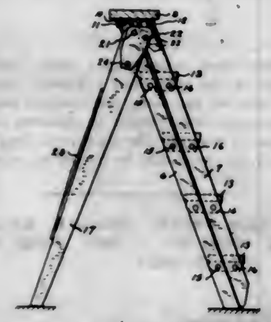
1. In an extension table, the combination with the permanent top sections, a slideway secured to the underface of each section, a filler leaf, slideways secured to the underface of said leaf, a slide mounted in each of said slideways and means pivotally connecting the slide of the filler leaf to the slides of the top sections.

1,633,901. BUMPER MECHANISM. EMIL P. OHLENDORF, Moline, Ill. Filed Sept. 10, 1926. Serial No. 134,701. 11 Claims. (Cl. 293—55.)



1. In a bumper mechanism, the combination with the bumper and a bar projected therefrom, of guide means slidably supporting said bar, a brake mechanism comprising complemental brake members, the one fixed, the other movable and frictionally engaging the fixed member, and connecting means between the said bar and the movable brake member.

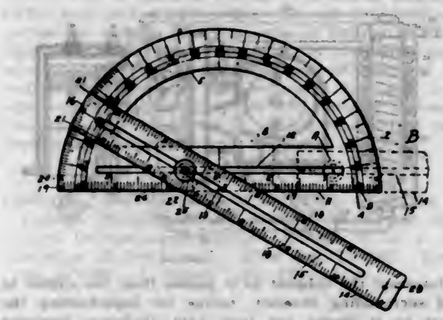
1,633,902. STEPLADDER. GUS E. OLSON and ALFRED J. WILLIAMS, Seattle, Wash.; said Williams assignor, by mesne assignments, to Daniel O. Olson, Seattle, Wash. Filed Sept. 20, 1926. Serial No. 136,468. 1 Claim. (Cl. 228—37.)



A step ladder embodying two spaced side members each formed of two relatively movable parallel bars, a transverse step pivotally connected near each end with each adjacent side bar and two leg members each connected at its upper end by two pivots with the adjacent two side bars said two bars at each side being relatively close together when said leg members are folded and being in edge to edge contact when the leg members are fully extended.

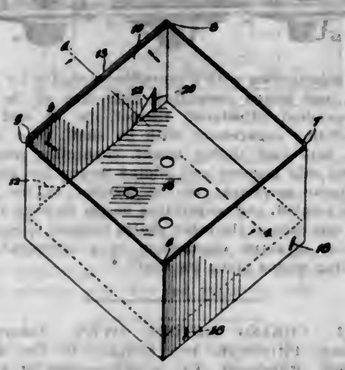
1,633,903. PROTRACTOR DRAWING INSTRUMENT. FRANK N. PERRIN, Detroit, Mich. Filed Mar. 26, 1926. Serial No. 97,547. 4 Claims. (Cl. 33—101.)

1. A drawing instrument comprising a semi-circular shaped protractor frame with one straight side positioned along the diameter line of the protractor circle, a slotted recess formed near the straight side of the frame, said slot being positioned parallel to the straight side of said frame and extended nearly the entire width thereof, a thin scale member, having a slotted recess nearly the entire length thereof, attached to the protractor frame by a central pivot engaging the slots of both the scale and protractor, said pivot provided with means for locking



the said scale in any desired position on the protractor frame, also having a sharp engaging point projecting from the bottom side of the pivot for engaging a supporting sheet to establish a center point thereon, and the scale being provided with a pencil hole in one end thereof for describing circles about said centerpoint.

1,633,904. COLLAPSIBLE BERRY BOX. HANS PETERSEN, Minneapolis, Minn., assignor to William H. Schafer, Minneapolis, Minn. Filed July 27, 1926. Serial No. 125,229. 1 Claim. (Cl. 229—23.)

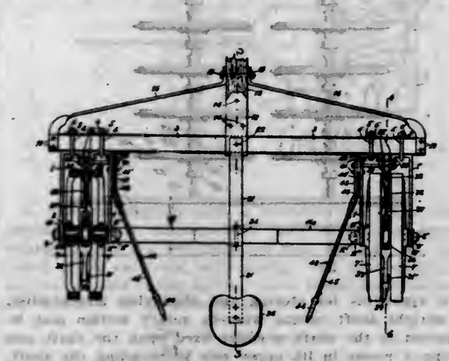


A berry box including a length of sheet material having transversely disposed scored portions for providing a rectangular body portion, the ends of the length of the sheet material being positioned one on the other to provide a double wall including an inner and outer section, said inner section having an elongated opening extending to points adjacent to the edges of the body portion, said elongated opening having widened end portions, the outer section having an elongated opening communicating with the first mentioned opening and a bottom member having a tongue fitted in the last mentioned opening and having cut away portions defining shoulders engaging the ends of the elongated opening.

1,633,905. FARMING IMPLEMENT. JOSE B. RAMOS, Habana, Cuba. Filed June 12, 1923, Serial No. 644,976, and in Cuba Mar. 28, 1928. 1 Claim. (Cl. 55—60.)

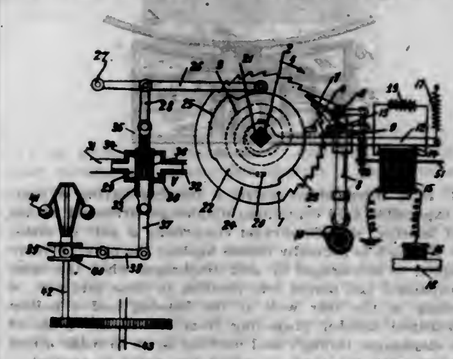
Apparatus of the class described, comprising a frame having a transverse bar and a draft tongue, pairs of rearwardly extending brackets connected to said bar adja-

cent its ends, an axle carried by each pair of brackets, spaced supporting wheels mounted on said axles, a frame element arranged between the brackets of each pair, connected at its front end to said brackets and provided with a vertical longitudinal slot at the point through which the associated axle extends, a lever pivotally mounted on each axle and arranged in the slot of one of said frame elements, a cutting knife pivotally connected to the lower end of each lever, a rigid link pivotally con-



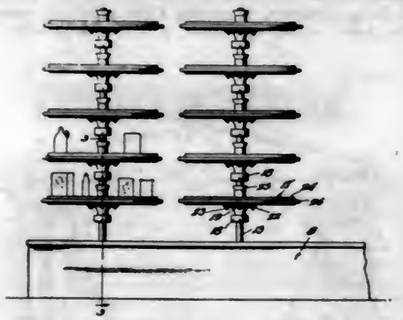
necting the rear portion of each cutting knife with the rear end of one of said frame elements, a hand lever associated with each of said levers and having a pivotal shaft provided with an arm, said pivotal shafts having bearings in said brackets, a segment plate secured to the innermost of each of said brackets, a dog on each of said hand levers arranged for engagement with one of said segment plates to lock said hand lever in adjusted position and links connecting said arms with the upper portions of the first named levers.

1,633,906. SAFETY DEVICE FOR RAILWAYS. JULES JOSEPH HENRI MOREL-REVOIL, Paris, France. Filed Jan. 21, 1926, Serial No. 82,786, and in France Jan. 27, 1925. 4 Claims. (Cl. 246—182.)



1. A safety device for railways comprising an engine, a toothed wheel borne by same, a spiral spring urging same, a catch device controlled by the engine wheels and adapted to give the toothed wheel a step by step motion against the action of the spring, a part borne by the said wheel, an arrangement adapted to actuate the braking device when it is pushed by the part borne by the toothed wheel, a device adapted to release the catches from the toothed wheel a polarized electromagnet adapted when it is excited to actuate the last mentioned device and track apparatus fed with D. C. and feeding the electromagnet when the engine passes over said apparatus.

1,633,907. STORAGE AND DISPLAY APPARATUS FOR MERCHANDISE. WILLIAM P. RYLANDER, Austin, Tex., assignor of one-third to Thomas F. Caldwell, Austin, Tex., and one-third to Parrish H. Rylander, San Antonio, Tex. Filed July 3, 1926. Serial No. 120,480. 1 Claim. (Cl. 211—20.)



In apparatus for storing and displaying merchandise, an upright shaft, means whereby rotary motion may be imparted to the shaft, a collar fixed upon the shaft and having a recess in its upper side surrounding the shaft, a hub having a bore fitting the said shaft and engaging at its lower end in the recess of the collar, a flange outstanding from the said hub circumferentially thereof, and a shelf disposed centrally upon the said flange and secured thereto and rotatable with the shaft through frictional engagement of the hub with the said collar and with the shaft, the upper end of the hub being extended above the shelf and provided with a pocket for receiving oil to be conducted to the recess of the collar.

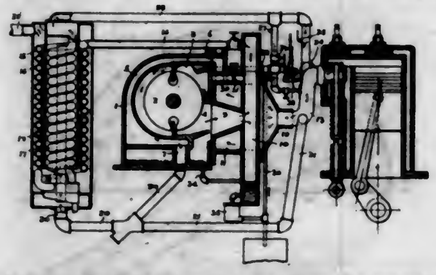
1,633,908. THERMOSTATIC VALVE. LOUIS W. SCHNEPP, Huntington Beach, Calif., assignor, by direct and mesne assignments, to First National Bank of Anaheim, trustee for Snap-O-Stat Company, a Copartnership, Anaheim, Calif. Filed May 28, 1925. Serial No. 33,409. 5 Claims. (Cl. 236—32.)



1. In a thermostatic valve, a housing having a port, an expansible fluid containing diaphragm arranged within said housing, said diaphragm comprising a pair of disks, one of which is normally dished against the other, a valve adapted to be engaged by said diaphragm when the same is expanded and moved into position to close said port, a bushing in the rear wall of the housing and a hollow cup-shaped member projecting from one of the walls of the diaphragm through said bushing so as to make direct contact with the tank to which the valve is applied.

1,633,909. INTERNAL-COMBUSTION ENGINE. WILLIAM E. SHORE, Staten Island, N. Y. Filed Feb. 9, 1924. Serial No. 691,610. 4 Claims. (Cl. 123—133.)

1. The combination with an internal combustion engine, of a vapor expanding mechanism having a chamber extending therearound immediately contacting with the inner wall thereof and connected with the exhaust from the engine, means for feeding a hydrocarbon in the presence of a restricted quantity of an expansible suspension medium to said vapor expanding mechanism, a discharge conduit leading from said vapor expanding mechanism and extending through said surrounding chamber, a chamber having an opening in one wall connected with said discharge conduit and having the wall opposite interposed in the path of the engine exhaust and adapted



to intercept the exhaust as it passes from the engine to said surrounding chamber, means for superheating the vapor as it passes out from said discharge receiving chamber and a conduit leading from said superheating means to the intake manifold of the engine.

1,633,910. SHAFT-ADJUSTING MECHANISM. ANDRO E. SHOWALTER and JAMES WARD JOHNSON, Richvalley, Ind. Filed May 21, 1926. Serial No. 110,743. 8 Claims. (Cl. 74—7.)



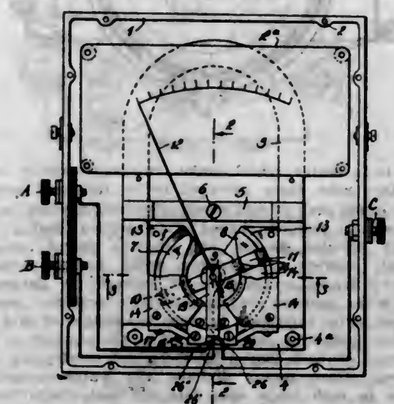
1. In combination with a plurality of shafts for a radio receiver, and means associated with each of the shafts for independent adjustment thereof, one of said means having sliding engagement with its shaft, of a member movable with said sliding means, connecting means between the said member and sliding means for imparting a rectilinear movement to the member as the sliding means is rotated, and cooperating means between the said member and each of the other shafts adapted to be thrown into or out of active engagement by a movement of the said sliding means along its shaft.

1,633,911. COKING RETORT OVEN. JOSEPH VAN ACKEREN, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 18, 1921. Serial No. 438,222. 6 Claims. (Cl. 202—9.)



1. In a coking retort oven, in combination: coking-chambers; heating-walls contiguous thereto and each constituted of vertical combustion flues disposed in groups operating alternately for upflow combustion and downflow of combustion-products, such vertical flues extending upward substantially to the top of the coal-charge space in the adjacent coking-chambers; horizontal flues immediately above and each directly communicating with vertical flues within one of said groups; a connection-flue above said horizontal flues of each heating-wall and disposed higher than the coking-chambers, said connection-flue connecting the aforesaid horizontal flue of one group with the horizontal flue of a reversely flowing group of vertical flues of the same heating-wall, each of said horizontal flues porting intermediate its ends into said connection-flue whereby each part of said horizontal flue is required to accommodate the volume of combustion products collecting from or distributing to only part of the vertical flues served by such horizontal flue; and cross-regenerators respectively serving the mutually connected burning and off-flow groups of vertical flues of each such heating-wall; substantially as specified.

1,633,912. INDICATING OHMMETER. CHARLES E. VAWTER, Philadelphia, Pa., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a Corporation of New Jersey. Filed Jan. 7, 1922. Serial No. 527,705. 6 Claims. (Cl. 171—95.)



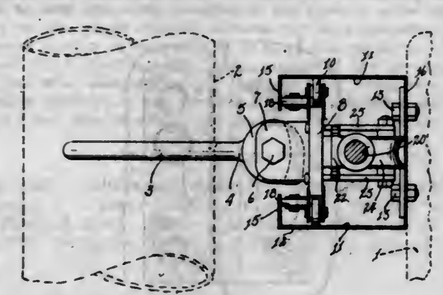
2. An instrument of the class described, comprising a magnet for producing the magnetic field of the instrument, a core intermediate the poles of the magnet for determining the distribution of flux in said field, said core being stationary relative to the magnet, and a shunt path of variable reluctance between the magnet and the core for regulating the density of the magnetic flux in the gap between said core and magnetic pole.

1,633,913. SCREW CUTTER. EDUARD WILLE, Kronenberg, Germany. Filed Nov. 25, 1924. Serial No. 752,105, and in Germany Sept. 5, 1924. 9 Claims. (Cl. 10—141.)



2. A screw cutter comprising for each turn of the screw a pair of first teeth, adapted to cut a normal screw thread profile, and a plurality of second teeth, the bases of which being substantially equal to those of the first teeth while the lengths of these second teeth in the direction of the diameter being greater than those of the first teeth, the cutting edges of the first and the second teeth being substantially arranged in the projection on the periphery of one and the same circle.

1,633,914. COAL-SPOUT-OPERATING DEVICE. GEORGE M. WUTZLER, Waukegan, Ill. Filed Jan. 29, 1925. Serial No. 5,614. 2 Claims. (Cl. 214—35.)



1. The combination with a movable coal spout, of a carriage loosely connected to said spout and having wheels, means for reciprocating said carriage, an elongated casing enclosing said carriage and said reciprocating means, said casing having walls whose inner surfaces are adapted to guide said wheels.

1,633,915. CONDENSER. GEORGE A. YANOCHOWSKI, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 25, 1923. Serial No. 614,752. 15 Claims. (Cl. 175—41.5.)

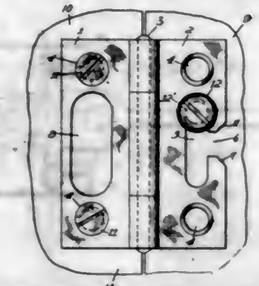


1. In a device of the character described, including a fixed element and a rotatable element, a shaft for said rotatable element having a central opening, a second fixed element, a movable element associated with said second fixed element, a second shaft extending into the opening in said first shaft, means secured on said first shaft for effecting rotation of said first shaft, and means secured in said first means for causing endwise movement of said second shaft independently of said first shaft to regulate the operative relation of said second fixed element and said second movable element.

1,633,916. HINGE. FRANK ZOUPAL, Cicero, Ill., assignor of one-half to William P. Pondelicek, Berwyn, Ill. Filed Apr. 16, 1926. Serial No. 102,499. 1 Claim. (Cl. 16—149.)

A hinge comprising a pair of hinge members, each of said members having a pair of aligned screw openings, one of said members having a slot in alignment with certain of said screw openings and extending above and below the central portion of the member, a second slot communicating with said first named slot and extending to the edge of the member, the outer portions of the slot

being flared to provide a guide edge, the companion hinge member having a slot extending above and below the central portion of the hinge to equal distances, and being



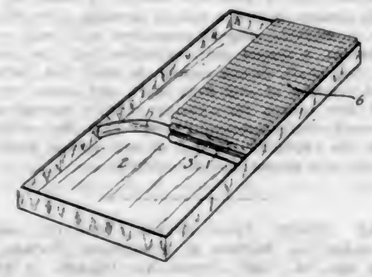
arranged to receive the head of a retaining member when the latter is in either end of the first named slot of the other hinge member.

1,633,917. CHICKEN FEEDER. HERMANN C. BADENHOP, Wauseon, Ohio. Filed Aug. 25, 1926. Serial No. 131,453. 3 Claims. (Cl. 119—61.)



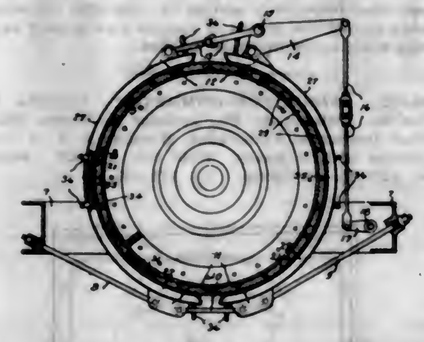
1. In a device of the class described, a base tray comprising ends and sides, the tray being provided with upstanding intermediate and terminal arches, the terminal arches bearing against the ends of the tray, and ties connecting the sides of the tray and holding the terminal arches engaged with the ends of the tray.

1,633,918. GALLEY TYPE CLAMP. EDWIN W. BEEDLE, San Francisco, Calif. Filed Aug. 20, 1925. Serial No. 51,369. 3 Claims. (Cl. 276—43.)



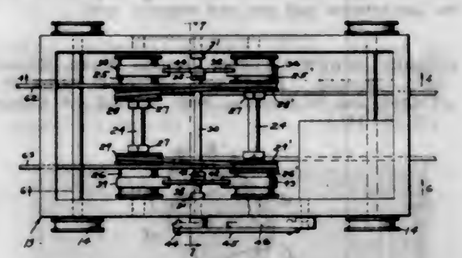
1. A galley type-clamp, comprising a stiff handle-like body, adapted to engage the type with its side and one wall of the galley with its end; and a blade, rigidly secured to and extending axially from the other end of said stiff body, said stiff body and blade being together longer than the width of the galley, and said blade being laterally flexible in said extended portion, and adapted to be bent into flexed position when the stiff body is brought into engagement with the type, and thus to engage the other wall of the galley, thereby forcing said stiff body laterally against the type to hold it in place and clamping the body in said holding position.

1,633,919. BRAKE MECHANISM. KNUTE BERGER, Seattle, Wash. Filed Aug. 2, 1926. Serial No. 126,609. 2 Claims. (Cl. 188—264.)



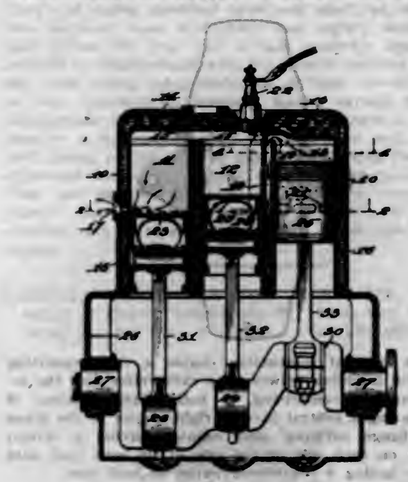
2. In a water cooled brake, two substantially semi-circular brake shoes arranged to be tightened onto a brake drum, each of said shoes comprising a wider curved member of channel shaped cross section having outwardly directed flanges, and another curved, channel shaped, member of narrower width having inwardly directed flanges arranged to fit between the flanges of said wider member to form water circulation spaces, packing strips interposed between the flanges of said two members, retaining plates secured to the exterior of said narrower channel shaped members and overlapping said packing strips, means dividing the water-circulation spaces in each brake shoe into different compartments and water circulation pipes connected with each compartment.

1,633,920. SAWMILL CARRIAGE. EARLY T. BRADFORD, Three Notch, Ala. Filed Apr. 19, 1926. Serial No. 102,967. 6 Claims. (Cl. 143—105.)



5. In a saw mill carriage feed mechanism, a track, a carriage to travel thereon, a pair of separate endless belts extending longitudinally of the track, means to continuously drive the belts in opposite directions, pairs of pulleys rotatably mounted upon the carriage, the pulleys in one pair engaging one belt and the pulleys in the other pair engaging the other belt, each belt passing about the outer portions only of the pulleys which they engage, pairs of drums attached to the pairs of pulleys, a pair of brake devices for each pair of drums, and means to alternately render one pair of brake devices active and the other pair inactive.

1,633,921. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif. (a Voluntary Trust). Filed Oct. 26, 1922. Serial No. 596,953. 1 Claim. (Cl. 123—53.)



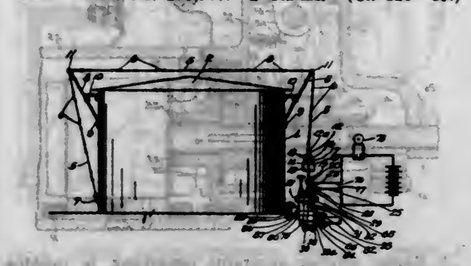
In a two stroke cycle power development and charge induction unit, a series of three cylinders arranged in a row, each cylinder having a straight diameter bore, the cylinder at one end of the row functioning as a pump cylinder, the head or inner ends of the chambers in the other two cylinders being connected by a common compression and combustion clearance chamber and functioning as combustion chambers, a transfer duct leading from the head end of the chamber in the pumping cylinder to the intermediate portion of the adjacent combustion chamber, there being exhaust ports formed through the intermediate portion of the wall surrounding the other one of the combustion chambers, pistons arranged for reciprocatory movement within the chambers of the three cylinders, a crank shaft having three crank pins, to which the three pistons are respectively connected by separate connections, the pins of said crank shaft to which the piston in the pumping cylinder and the piston in the immediately adjacent combustion cylinder are connected being arranged 180° apart and the crank pin to which the piston that operates within the combustion chamber having the exhaust ports, being disposed 120° to the rear, in the direction of crank rotation, from the pin to which the piston in the pumping chamber is connected.

1,633,922. MANUFACTURE OF COMMUTATORS. JOHN J. CARTER, Lansing, Mich., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 21, 1925. Serial No. 31,960. 5 Claims. (Cl. 29—155.5.)



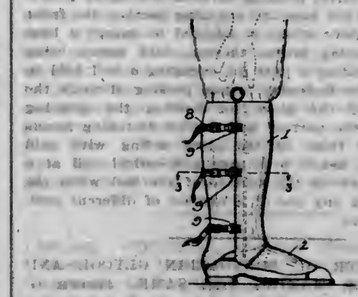
1. The method of manufacture of commutators which includes shaping a cylindrical tube of ductile metal having a cylindrical bore into a tube having a plurality of spaced, longitudinally extending tangs by means of suitable dies which cause sections of the metal of the tube to be forced out leaving spaces between the tang-forming portions of the tube, and which cause the metal forced out to flow into other portions of the tube in order to add to the length thereof, slotting the tube through a greater portion of its length so as to provide segments of equal width, held together by the unslotted end portion of the tube, securely joining the tube to a metal core, located centrally of the tube, by a molded insulating material, and then removing the unslotted end of the tube.

1,633,923. AUTOMATIC WEIGHT OPENING VALVE. JOHN W. CASEY, Oklahoma City, Okla., assignor to Minnie E. Casey, Oklahoma City, Okla. Filed July 30, 1926. Serial No. 125,960. 2 Claims. (Cl. 220—89.)



1. A device of the character described, comprising a wedge shaped valve block slidable in a similar shaped way in a housing therearound, and having entrance ports and exit ports adapted to connect similar ports in said valve, said last named ports adapted to be connected by a suitable means to a tank and to a discharge line; a valve stem having a weight therearound, both being adapted to connect with a wire having a plurality of fusible links therein, and surrounding a tank; means for keeping said wire and said links from the sides and top of said tank, an insulating gasket and a copper ring on said valve stem, a second copper ring therebelow, and a second insulating gasket, the second ring being adapted to contact said first ring and to close an electric circuit thereby to sound an alarm; a gate in a second housing of said valve, adapted to shut off the liquid in the tank from the valve and discharge line; means normally holding said gate in inoperative position, and means for sealing said last mentioned means.

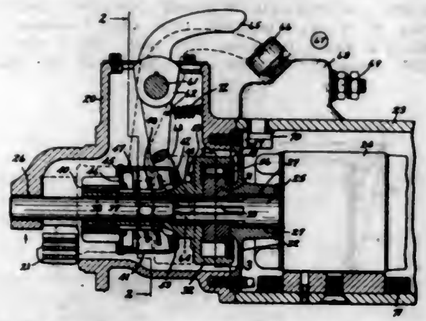
1,633,924. LEGGING. HOWARD F. CHESTER, Brooklyn Heights Village, Ohio. Filed Sept. 6, 1924. Serial No. 736,204. 5 Claims. (Cl. 36—2.)



5. A legging comprising a body portion of flexible material adapted to be wrapped around the limb of a wearer, a fold along one edge of said legging forming a casing,

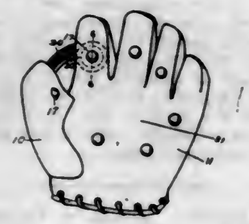
portions of said casing being notched out, a pin occupying said casing, and fastening members attached to said legging and adapted to co-operate with the pin at the notches in the casing, said pin being slidable to release the fastening members.

1,633,925. ENGINE-STARTING APPARATUS. WILLIAM A. CHRYST, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 17, 1925. Serial No. 16,206. 6 Claims. (Cl. 74—7.)



1. Engine starting apparatus comprising, in combination, a motor, a shaft driven by the motor, an overrunning clutch connected with the shaft for rotation therewith and sliding movement thereon, a pinion including a hub splined to the clutch and adapted to mesh with a gear of the engine to be started, and means for moving the clutch along the shaft.

1,633,926. BASEBALL GLOVE. BURNIE J. CRAIG, Los Angeles, Calif. Filed Jan. 8, 1923. Serial No. 611,229. 4 Claims. (Cl. 2—19.)

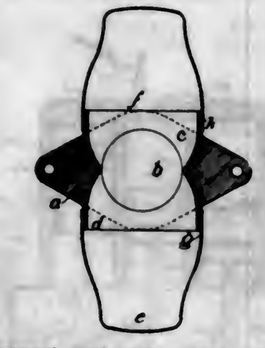


1. A base ball glove having a front portion to engage a base ball and a rear portion to receive the thumb and fingers of the wearer, padding between the finger receiving portions and the base ball engaging portion, the front portion of the glove which is adapted to engage a base ball having gripping means thereon, said means being flexible and including a part for engaging a ball held in the glove, flexible fastening means passing through the front portion of the glove for holding the gripping means in place, the part of said flexible fastening means exposed on the front of the glove acting with said flexible gripping means to engage a spherical ball at a plurality of places on the surface of the ball when the ball is gripped in any one of a number of different positions by the glove.

1,633,927. ETHER OF POLYOLEFIN GLYCOL AND PROCESS FOR MAKING THE SAME. JOSEPH G. DAVIDSON, Yonkers, N. Y., assignor to Carbide & Carbon Chemicals Corporation, a Corporation of New York. Filed July 20, 1925. Serial No. 44,930. 5 Claims. (Cl. 260—1.51.)

1. A polyolefin glycol ether.

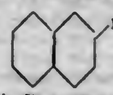
1,633,928. FUEL-REGULATION DEVICE FOR INTERNAL-COMBUSTION ENGINES. RICHARD OWEN DONNELLY, Victoria, British Columbia, Canada. Filed June 22, 1922, Serial No. 570,266, and in Canada Jan. 31, 1922. 1 Claim. (Cl. 123—119.)



In an internal combustion engine a fuel regulating device for insertion between the carburetter and the intake manifold comprising, a hollow-flange-member of metal having a central bore at right angles to the plane of its flange surfaces, said member having a lateral chamber on each side of the axis of its bore, each said chamber having a constricted outlet to said bore.

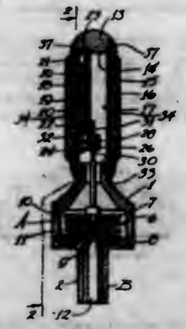
1,633,929. OMEGA-AMINOALKYL-AMINONAPHTHALENES. WALTER DUISBERG, Leverkusen, near Cologne, and WINFRID HENTRICH, LUDWIG ZEH, and JOHANN HUIRMANN, Wiesdorf, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 17, 1925, Serial No. 23,962, and in Germany May 21, 1924. 10 Claims. (Cl. 260—127.)

9. As new products omega-aminoalkyl-2-aminonaphthalenes of the general formula



in which formula R represents an alkylene group, which products are greyish white solid substances, difficultly soluble in water, easily soluble in dilute mineral acids, forming well crystallized salts with mineral acids and reacting with nitrous acid with formation of colored solutions.

1,633,930. DETECTORMETER. HARLEY H. DULEY, Chicago, Ill. Filed Sept. 28, 1925. Serial No. 59,218. 1 Claim. (Cl. 116—114.)



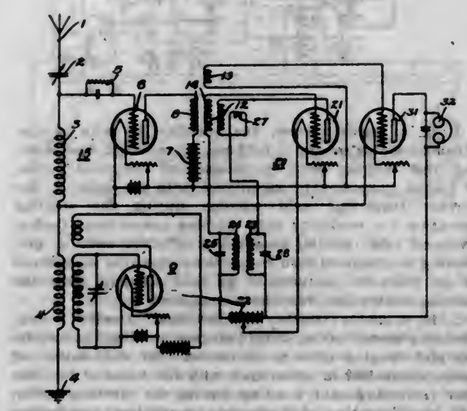
A device of the type described comprising a casing, a transparent dial having colored portions thereon disposed in said casing, a thermostatic member carried by said casing, a vertically disposed rack carried by said thermostatic member and provided with a guide and stop portions, strips horizontally disposed in said casing, a shaft rotatably disposed in said strips, a pinion disposed between said rack, said guide and said stop portions and rigidly mounted upon said shaft, an indicator arm disposed upon said shaft and rigidly secured to said pinion, the free end of said indicator arm being adapted to communicate with the colored portions of said dial, said casing being fashioned to limit the expansion of said thermostatic member, means carried by said thermostatic member for limiting the contraction of said member, a transparent glass disposed upon each side of said casing, an opaque disc having an opening therein in alignment with said indicator arm and said colored portions and disposed adjacent each of said transparent glasses whereby said indicator arm and said colored portions may be readily viewed from either side of said casing.

1,633,931. GRATE BAR FOR FINE FUEL. HUMPHREY A. ELLIS, Philadelphia, Pa. Filed Mar. 7, 1924. Serial No. 697,456. 6 Claims. (Cl. 126—163.)



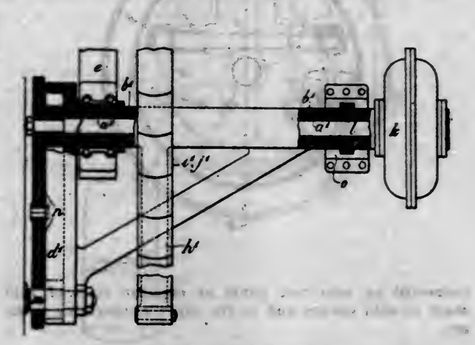
1. A grate bar having longitudinally extending strengthening ribs on the under surface thereof and diagonal openings sloping upwardly and away from each other from common inlets on the under side of the bar between the ribs and communicating with spaced vertically extending openings to the upper face of the grate.

1,633,932. WIRELESS RECEIVING SYSTEM. FRANK B. FALKNOR, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,727. 3 Claims. (Cl. 250—20.)



1. A radio receiving system comprising a radio receptor circuit, a heterodyne generator and a beat-resolving means cooperating therewith, and a super-regenerative detector operatively associated with the output of said beat-resolving means.

1,633,933. SPRING SUSPENSION OF VEHICLES. FRANK SMEDLEY FARNSWORTH, London, England. Filed Dec. 5, 1923, Serial No. 678,743, and in Great Britain Dec. 15, 1922. 2 Claims. (Cl. 267—19.)



1. A vehicle spring suspension system including a rear axle, an elongated sleeve mounted for free rotation on the axle for substantially half the length of the latter, bearings carried by the vehicle frame for supporting the respective ends of the sleeve, a crank arm connected to the sleeve and supporting the wheels, a second crank arm connected to the sleeve and projected therefrom in a direction substantially at right angles to the sleeve, a vehicle spring supporting means, and a connection between said supporting means and the free end of the second crank arm.

1,633,934. STRIKING PLATE FOR CARS. BENJAMIN F. FAUNCE, Westmont, and HENRY C. DORRIS, Johnstown, Pa., assignors to Bethlehem Steel Company. Filed June 1, 1925. Serial No. 33,968. 3 Claims. (Cl. 213—60.)

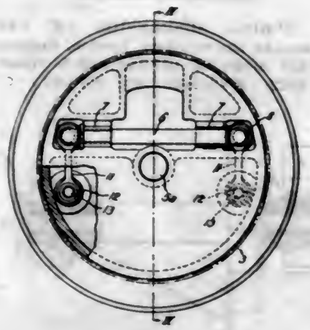


1. A pressed steel striking plate for the end sill of a railway car comprising a horizontal body portion and a pair of integral laterally-extending leg portions, said body portion having an uninterrupted substantially rectangular recess dished in one face thereof and also having a laterally-disposed channel open to said recess and sloping from the bottom of said recess to the normal plane of the plate, said leg portions having flanges at their inner and bottom marginal edges which extend at right lines from the face of said leg portions in the general direction of said dished portion.

1,633,935. COUPLING. GEORGE HERBERT FLETCHER, Sheffield, and HERMANN RUSBY, Stocksbridge, England, assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1925, Serial No. 49,876, and in Great Britain Aug. 14, 1924. 7 Claims. (Cl. 64—27.)

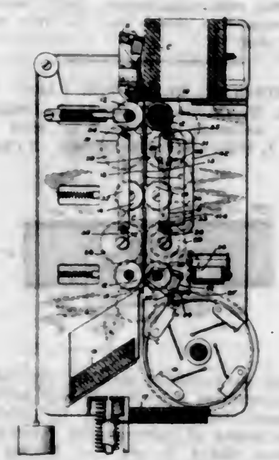
1. A coupling comprising a pair of co-operating members to be coupled, a shaft journalled in one of said

members transversely to the axis thereof, a plurality of cranks on said shaft, and a pair of links respectively



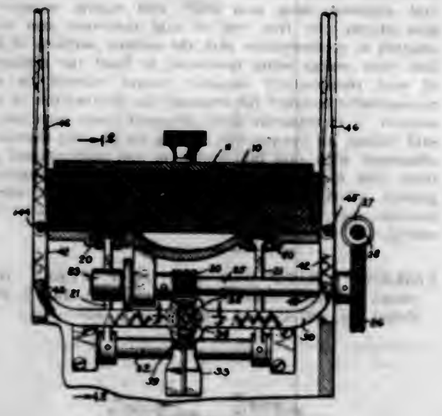
connected by universal joints at opposite ends of said shaft to said cranks and to the other co-operating member.

1,633,936. PERFORATION-READING DEVICE FOR SORTING MACHINES AND THE LIKE. EUGENE A. FORD, West Newton, Mass., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Feb. 25, 1924. Serial No. 695,000. 18 Claims. (Cl. 209—110.)



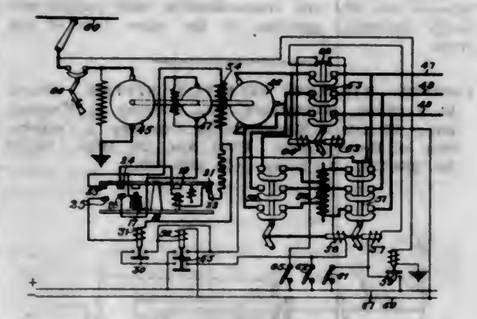
1. In a card controlled machine adapted for reading the index point perforations of passing record cards and determining the control of the machine upon the passage of all cards having predetermined index point punched designations therein, said machine comprising in combination, means for feeding record cards through the machine, means for simultaneously sensing at one reading operation a plurality of the perforations of each passing record card while the card is in motion, means for setting the aforesaid sensing means in accordance with desired index point values, and means for controlling the operation of the machine upon the passage of a record card which has punchings therein corresponding to the set-up of the sensing devices.

1,633,937. CARD-FEEDING APPARATUS. EUGENE A. FORD, Scarsdale, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Aug. 13, 1925. Serial No. 50,093. 9 Claims. (Cl. 271—44.)



1. In a card feeding apparatus, a card magazine having oppositely disposed movable walls, and means to vibrate both of said walls to jog both edges of the cards which are disposed in a stack between said walls.

1,633,938. SYNCHRONOUS-MOTOR STARTER. WALTER C. GOODWIN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,141. 5 Claims. (Cl. 171—118.)



1. In a motor starter, the combination with a synchronous motor having a field-magnet winding, and starting and running primary connections for said motor, of means controlled in accordance with the value of the current traversing said winding during the starting operation for rendering said starting connections ineffective and said running connections effective and for preventing a change in said connections upon the occurrence of an inductive disturbance in said winding after the running connections have been completed.

2. In a motor starter, the combination with a synchronous motor having a field-magnet winding, and starting and running primary connections for said motor, of means controlled in accordance with the value of the current traversing said winding during the starting operation for rendering said starting connections ineffective and said running connections effective and for preventing a change in said connections upon the occurrence of an inductive disturbance in said winding after the running connections have been completed, said means comprising a circuit-controlling device, actuating and holding means therefor and a relay for controlling said actuating means.

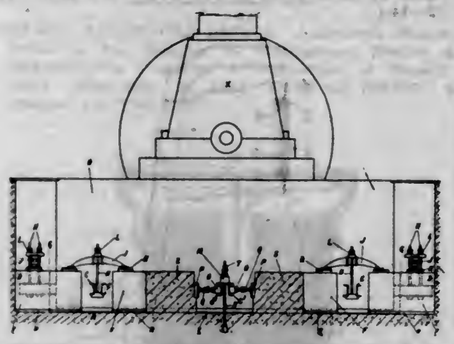
3. In a motor starter, the combination with a synchronous motor having a field-magnet winding, and starting and running primary connections for said motor, of means controlled in accordance with the value of the current traversing said winding during the starting operating for readering said starting connections ineffective and said running connections effective and for preventing a change in said connections upon the occurrence of an inductive disturbance in said winding after the running connections have been completed, said means comprising a circuit-controlling device, actuating and holding means therefor and a relay having an actuating coil in circuit with said field-magnet winding.

1,633,939. BELT CONNECTER. GEORGE G. GRACE, Los Angeles, Calif., assignor of one-half to Richard E. Kline, Los Angeles, Calif. Filed Oct. 26, 1925. Serial No. 64,814. 4 Claims. (Cl. 24—33.)



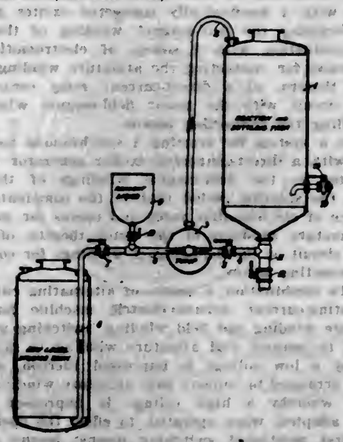
1. A belt connecter embodying a pair of hingedly connected leaves, said leaves having bolt holes and being countersunk to provide conical depressions on the undersides of the leaves, and attachment bolts whose shanks extend through the belt at the underside of the leaves and through said bolt holes, the bolt heads being disposed at the under side of the belt, and nuts on the bolts at the upper side of the leaves, said bolts being adapted to be taken up to press the belt into said conical depressions, said bolt shanks being of a diameter to extend through the bolt holes with appreciable clearance, and lock-washers on the bolts between the leaves and nuts, said washers having annular flanges adapted to extend into the bolt holes around the bolt shanks.

1,633,940. MACHINERY FOUNDATION. ROBERT BERTRAM GREY, London, England. Filed Apr. 7, 1926, Serial No. 100,213, and in Great Britain Apr. 29, 1925. 1 Claim. (Cl. 248—16.)



In a foundation for machinery or the like, the combination of a concrete raft, a foundation structure, joists embedded in and projecting in directions at right angles to one another from said structure, supporting blocks spaced laterally from said structure and supported on said raft, tension means by which said structure is suspended, said tension means being secured to said joists, resilient means for supporting said tension means, said resilient means being supported by said blocks, conveniently adjustable means permitting alteration of the periodicity of vertical vibrations of said structure, and spring means and associated adjustable devices for controlling horizontal movements of said structure.

1,633,941. PROCESS FOR REMOVING SUSPENDED MATTERS FROM OILS AND ORGANIC SOLVENTS. HARRY HEY, Dewsbury, England. Filed Nov. 26, 1921, Serial No. 517,875, and in Great Britain Dec. 16, 1920. 4 Claims. (Cl. 196—16.)

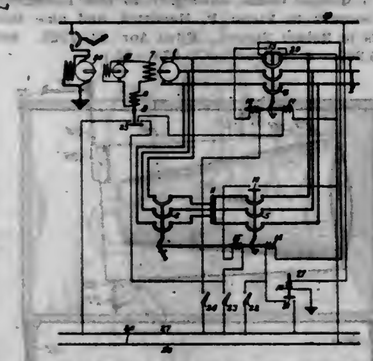


1. The process of reclaiming a used mineral oil or organic solvent containing suspended matter comprising the steps of mixing a sulphonated unsaturated oil intimately with said mineral oil or solvent to be treated and allowing the suspended matter thus precipitated to separate by gravity.

1,633,942. PROCESS FOR REMOVING SUSPENDED MATTERS FROM OILS AND ORGANIC SOLVENTS. HARRY HEY, Dewsbury, England. Original application filed Nov. 26, 1921, Serial No. 517,875, and in Great Britain Dec. 16, 1920. Divided and this application filed Mar. 11, 1924. Serial No. 698,570. 2 Claims. (Cl. 196—16.)

1. The process of reclaiming a used mineral oil or organic solvent containing suspended matter comprising the steps of mixing a sulphonated unsaturated oil diluted with a hydrocarbon solvent intimately with said mineral oil or organic solvent to be treated and allowing the suspended matter thus precipitated to separate by gravity.

1,633,943. MOTOR-STARTING SYSTEM. CLARENCE A. JOHNSON, Larimer, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1920. Serial No. 386,222. 15 Claims. (Cl. 171—118.)



1. In a system for starting a synchronous motor provided with a direct-connected exciter generator for energizing the field-magnet winding of the motor, the combination with a source of electromotive force and means

for connecting the armature windings of the motor thereto, of means responsive to the energization of the motor field-magnet from the generator winding for controlling the connecting means.

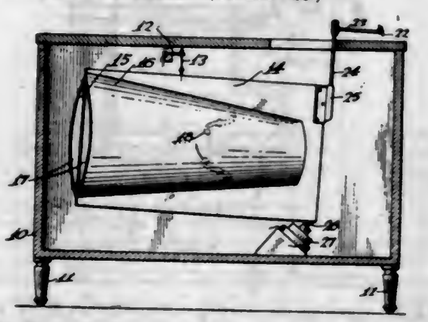
2. In a system for starting a synchronous motor providing with a mechanically connected exciter generator for energizing the field-magnet winding of the motor, the combination with a source of electromotive force and means for connecting the armature windings of the motor thereto, of a direct-current relay connected in series circuit with the motor field-magnet winding for controlling the connecting means.

3. In a system for starting a synchronous motor provided with a direct-connected exciter generator normally connected to the field-magnet windings of the motor during the starting period thereof, the combination with a source of electromotive force and means for connecting the armature windings of the motor thereto, of a relay in the circuit of the field-magnet windings for controlling the connecting means.

14. In combination, a source of alternating current, an alternating-current dynamo-electric machine having an armature winding and field winding, switching means arranged to connect said armature winding to said source whereby a low voltage is impressed thereon, switching means arranged to connect said armature winding to said source whereby a high voltage is impressed thereon, means adapted, when operated, to effect the operation of said first mentioned switching means, means arranged to supply direct current to said field winding after the operation of said first mentioned switching means, and means responsive to the current through said field winding to effect the operation of said second mentioned switching means.

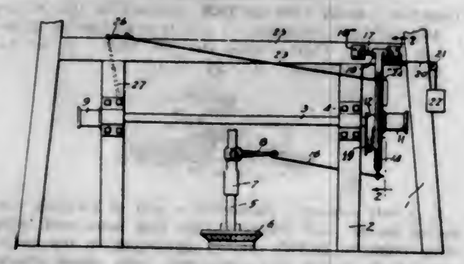
15. In combination, a source of alternating current, an alternating-current dynamo-electric machine having an armature winding and a field winding, switching means arranged to connect said armature winding to said source whereby a low voltage is impressed thereon, switching means arranged to connect said armature winding to said source whereby a high voltage is impressed thereon, means adapted, when operated, to effect the operation of said first mentioned switching means, means arranged to supply direct current to said field winding after the operation of said first mentioned switching means, and means responsive to a predetermined amount of direct current through said field winding to effect the operation of said first mentioned switching means to disconnect said armature winding from said source and the operation of said second mentioned switching means to connect said armature winding to said source.

1,633,944. SOUNDING BOARD FOR RADIO RECEIVING SETS AND PHONOGRAPHS. GEORGE C. LINDSEY, Los Angeles, Calif., assignor of seven thirty-seconds to Michael Gozzo, one-eighth to Don Eminger, six thirty-seconds to Victor P. Hendrick, and nine thirty-seconds to Robert Turner. Filed Apr. 23, 1925. Serial No. 25,269. 6 Claims. (Cl. 274—26.)



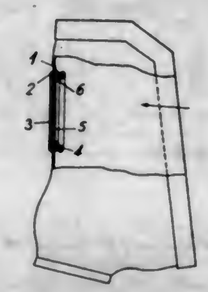
1. A device of the character described comprising a support, a sounding board of wood freely suspended from the support for vibration throughout its area at audible frequency, a stylus mounted on the support and engaging the sounding board for vibrating the latter, means for reproducing and transmitting sound vibrations to the stylus, and tapered sheet material upon the side of the board with its medial portion spaced from the board to form a sound amplifying chamber, the converging sides of the sheet material being fixed to the board with the ends of the sheet material spaced from the board to form open ends for the sound amplifying chamber, and there being an aperture in the board opposite the sound amplifying chamber.

1,633,945. WELL-DRILLING APPARATUS. JOHN W. MACCLATCHIE, Compton, Calif. Filed Nov. 18, 1925. Serial No. 69,731. 23 Claims. (Cl. 255—35.)



1. Means for converting rotary movement to reciprocating motion, comprising an eccentric, means for rotating the eccentric, a swinging arm, means for axially shifting the arm so that its swinging end is engaged by the eccentric for swinging the arm, and an operating connection secured to the swinging end of the arm.

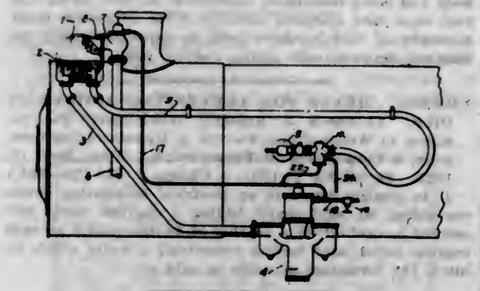
1,633,946. EYEGLASS. MAX MAYER, KARL FINCKH, and FRITZ KOBEP, Berlin, Germany, assignors to the Firm Chemische Werke vormals Auergesellschaft m. b. H. Kommanditgesellschaft, Berlin, Germany. Filed Aug. 12, 1921, Serial No. 491,752, and in Germany May 23, 1916. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.) 7 Claims. (Cl. 2—14.)



1. Eyeglasses, replaceable sheets of overcasting-proof substance behind the eyeglasses, means for pressing the said sheets toward the eyeglasses, and waterproof transparent layers between the said sheets and the eyeglasses.

1,633,947. FEED-WATER-HEATER ARRANGEMENT. NEAL TRIMBLE MCKEE, Bronxville, N. Y., assignor to The Super-Heater Company, New York, N. Y. Filed Mar. 19, 1924. Serial No. 700,276. 2 Claims. (Cl. 122—441.)

1. In apparatus of the class described the combination of a feed water heater for heating water for a boiler, a pipe to supply water to it, a second pipe to carry the water from the heater to the boiler, a third pipe delivering exhaust steam to the heater, a steam-driven pump delivering water to the first pipe, a valved steam-pipe supplying steam to the pump, a valve in said second pipe, resilient means tending to keep said valve closed, steam actunted means to open it in opposition to said resilient means, a pipe connecting said steam actuated means to the pipe supplying steam to the pump so that the steam

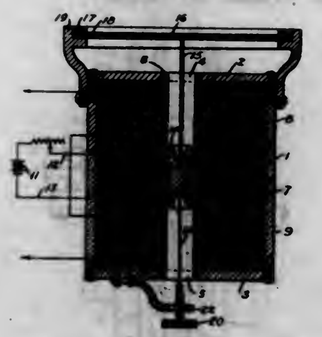


actuated means receive steam only when the pump does, a valve in the pipe supplying heating steam to the heater, resilient means tending to close it, steam actuated means holding it open in opposition to the resilient means, and a conduit to supply steam to the last named steam actuated means at times when the pump is receiving steam; whereby no steam reaches the heater at times when the pump is not receiving steam.

1,633,948. PRODUCING LEAD COMPOUNDS OF CHROMIC ACIDS. ALEXANDER NATHANSOHN, Bad Harsburg, Germany. Filed Nov. 19, 1924, Serial No. 750,960, and in Germany Sept. 18, 1924. 1 Claim. (Cl. 23—57.)

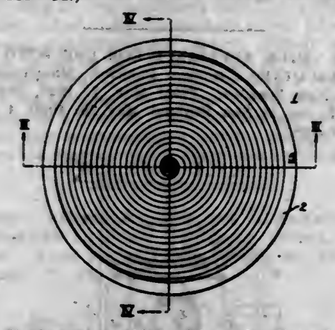
The process for manufacturing lead compounds of chromic acids which consists in lixiviating lead containing materials with a saturated solution of chloride of an alkali forming metal and precipitating the said solution with water soluble compounds containing the acid radicle of chromium.

1,633,949. TELEPHONE DEVICE. ALEXANDER NYMAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 20, 1923. Serial No. 663,787. 9 Claims. (Cl. 179—112.)



5. In a telephone receiver, a signal-receiving circuit including two coils wound and positioned to produce opposing fluxes, and a flux-responsive device located between said coils, said device being arranged for translational movement along an axis common to said coils.

1,633,950. DIAPHRAGM. ALEXANDER NYMAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 20, 1923. Serial No. 663,788. 12 Claims. (Cl. 181—32.)



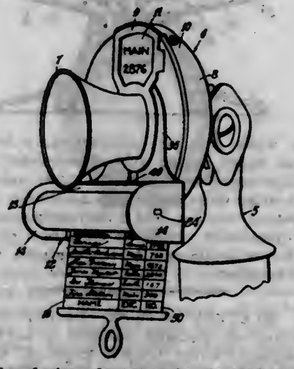
1. A diaphragm provided with a plurality of series of spiral corrugations, and also with a substantially smooth central portion disposed intermediate the opposite surfaces of said diaphragm, said series of corrugations terminating in said central portion.

1,633,951. FLOOR MAT. JOHN JOSEPH O'TOOLE, Bellevue, Pa. Filed Aug. 10, 1925. Serial No. 49,490. 5 Claims. (Cl. 4—185.)



1. A floor mat comprising a body of sheet-like material having a permanently-defined portion substantially conforming to the base contour of any one of objects for disposition on the floor and having bases of slightly varying contour which the mat is to embrace and a portion inside said defined portion adapted to be reshaped in accordance with any one of said contours.

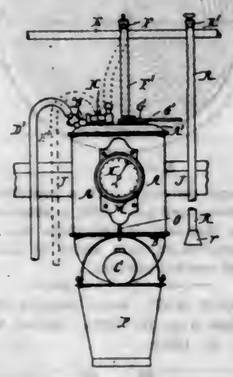
1,633,952. TELEPHONE INDEX. GEORGE D. POGUE and WEBSTER V. POGUE, Mount Vernon, N. Y., assignors to Pacquin, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 18, 1924. Serial No. 686,965. 3 Claims. (Cl. 40—10.5.)



1. An index device adapted to be clamped to a suitable support comprising an index-strip-carrying element, a frame supporting said carrying element, relatively movable

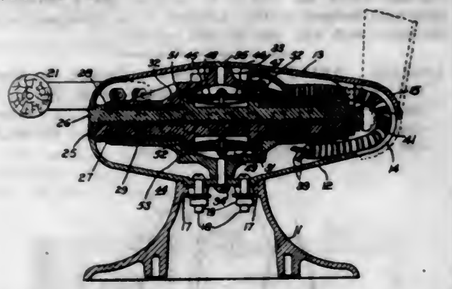
clamping elements carried by said frame and adapted to engage said support whereby said frame is adapted to be connected to said support, said clamping elements being in the form of relatively movable jaws, and spring tension means for effecting relative movement between said jaws.

1,633,953. MILK APPLIANCE FOR USE WITH MILKING MACHINES. ROBERT PRESTON, Mangapapa, Gisborne, New Zealand. Filed Mar. 7, 1921, Serial No. 450,297, and in New Zealand May 20, 1920. 4 Claims. (Cl. 31—58.)



1. Means for the purposes herein described consisting in the combination of an airtight can having means for its connection with the cow being milked, and having an outlet for the milk controlled by a normally closed gravity valve, of a valve upon such can constructed to connect the can with a source of vacuum or with the atmosphere, at will, and a means for suspending a receptacle beneath the said outlet, substantially as specified.

1,633,954. WAFFLE IRON. JOSEPH H. PROCTER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 12, 1925. Serial No. 55,896. 7 Claims. (Cl. 219—19.)



6. In a waffle iron, in combination, a lower baking surface, an upper baking surface subjected to varying rates of heat-interchange with the lower surface, a plurality of heating units operatively associated with the respective baking surfaces, and a thermally-actuable switch assembly operatively associated with each of the baking surfaces for maintaining the temperatures thereof substantially constant.

1,633,955. ELECTRICAL FUSE. DOUGLAS GWYN ROBINSON, Weymouth, England, assignor of one-half to William Sheridan Collins, London, England. Filed Apr. 7, 1925, Serial No. 21,260, and in Great Britain Apr. 10, 1924. 7 Claims. (Cl. 200—131.)

1. In an electrical fuse, the combination of spring contact clips, an insulator body, a fuse wire arranged upon the exterior of said body and metal clamping members slidably arranged upon said body, said clamping members pressing said fuse wire against said insulator

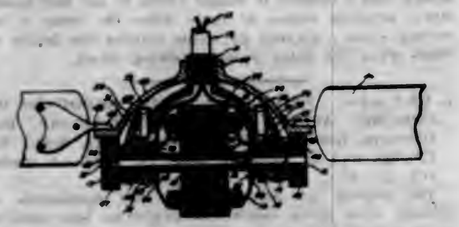


body and being detachably engageable in said spring contact clips, said clamping members being adjustable longitudinally of said insulator body to correspond with the distance between said spring contact clips.

1,633,956. MEANS FOR PREVENTING ACIDITY IN OILS. CLARENCE J. RODMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 12, 1925. Serial No. 15,169. 4 Claims. (Cl. 175—361.)

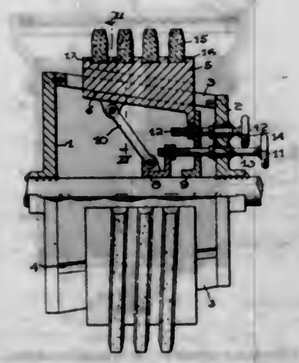
1. In combination with an electrical translating device containing oil, said device having a cuprous metal submerged in said oil, of a coating of another metal on said cuprous metal, said coating comprising a metal which inhibits the formation of acids in said oil.

1,633,957. FAN. GEORGE H. SCHLEICHER, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 7, 1926. Serial No. 133,799. 10 Claims. (Cl. 230—1.)



1. In a fan, in combination, a stationary motor provided with rotatably mounted field and armature windings, drive wheels disposed for operation by the field and armature windings, a rotatable track engaging the drive wheels, and fan blades carried by the track.

1,633,958. MEANS FOR GRINDING GEARS. ROBERT W. SCHROTT, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1923. Serial No. 672,700. 7 Claims. (Cl. 51—206.)

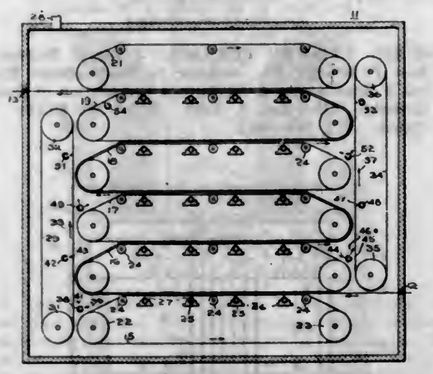


1. An abrasive device comprising a slotted hub member, abrasive material secured in supports movably mounted in said slots and means for adjusting said abrasive material.

1,633,959. METHOD FOR IMPARTING TO DRYING MEANS A LARGE SUPERFICIAL AREA. EDUARD SMOLCZYK, Biesdorf-Sud, near Berlin, Germany. Filed June 3, 1926, Serial No. 113,588, and in Germany June 8, 1925. 1 Claim. (Cl. 34—24.)

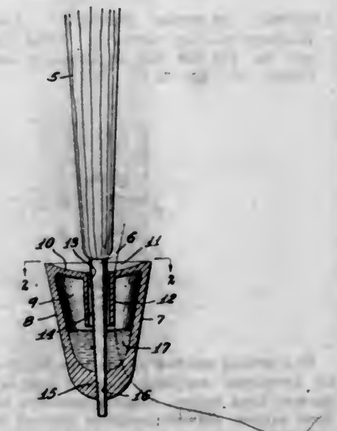
Method for imparting to drying means a large superficial area comprising depositing said means upon a porous carrier, and employing as binder between the carrier and the drying agent a hydrate of the latter.

1,633,960. PAPER-MAKING DEVICE. STEPHEN A. STABOS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1925. Serial No. 43,204. 6 Claims. (Cl. 34—48.)



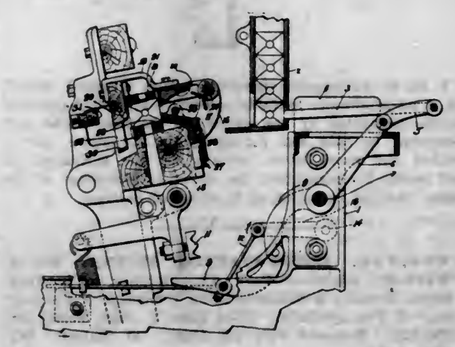
1. In a paper machine, the combination with upper and lower horizontal belts for moving a web of paper, of means moving in a vertical plane for effecting movement of the web in that direction, and pneumatic means for directing the web towards and away from said moving means and away from and towards the moving belts.

1,633,961. UMBRELLA ATTACHMENT. EARL B. SWEETING, New York, N. Y. Filed Sept. 17, 1925. Serial No. 56,845. 2 Claims. (Cl. 135—48.)



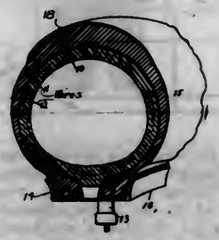
1. A device of the class described comprising a thimble-shaped body having straight and flared walls, the contracted end portion of said body being provided with a comparatively thick portion in which is an elongated aperture opening into said body and outwardly through the contracted end thereof, the enlarged end portion having a flat peripheral edge forming a closure for the chamber within said body, an inwardly directed tubular member centrally of said crosshead and in spaced relation with the contracted end of said body, the bore of said member being in axial alinement with the aperture in the contracted end of said body, the bore of said tubular member having circumferentially spaced radially projecting members to center the umbrella tip in said bore, and the enlarged end of said body forming a suction cup whereby the same may be retained against accidental displacement on a floor or other surface, and whereby an umbrella may be supported in upright position by insertion into the aperture in the contracted end of said body.

1,633,962. SHUTTLE-CHANGING APPARATUS FOR AUTOMATIC LOOMS. KIICHIRO TOYODA, Nagoya, Japan. Filed Apr. 24, 1926. Serial No. 104,272. 5 Claims. (Cl. 139—238.)



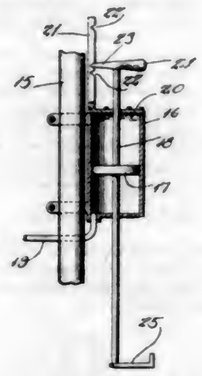
1. A shuttle changing apparatus for automatic looms, comprising in combination with the slay, a shuttle box formed by a front plate and a back plate, the front face of said front plate being provided with an inclined guide, and a common rocker arm for said front plate and said back plate to open and close the same in unison, the said front and back plates being opened simultaneously by a fresh shuttle and closed again simultaneously upon the completion of the shuttle changing operation.

1,633,963. PNEUMATIC TIRE. DANIEL M. WEIGEL, Trenton, N. J., assignor, by mesne assignments, to The American Wire Cord Tire Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 20, 1921. Serial No. 493,887. 6 Claims. (Cl. 152—13.)



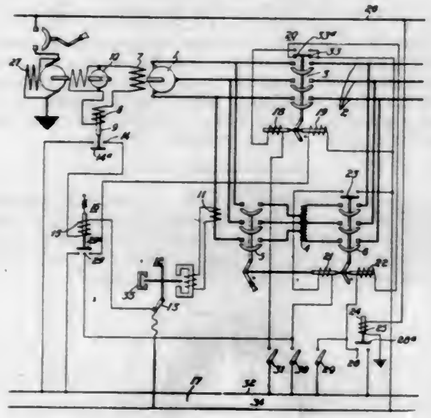
1. An inner tube for use in cooperation with an extensible casing, said tube having a rubber portion and spaced wires embedded therein, extending entirely helicoidally around the said tube and said wires being independent of each other throughout their length; said rubber portion and said wires in themselves constituting the sole means for resisting the tendency of the contained air to rupture the tube and casing.

1,633,964. VEHICLE SIGNAL. ANTON WELLERT, Binghamton, N. Y. Filed Dec. 27, 1926. Serial No. 157,394. 3 Claims. (Cl. 116—39.)



1. In an automobile signaling device, a signal including a longitudinally movable operating rod, fluid pressure means controlled by the driver of the automobile and connected to said rod for operating the same, and a ratchet and pawl device actuated by the movement of said means for regulating the extent of movement of the means and for retaining it in adjusted position.

1,633,965. MOTOR-STARTING SYSTEM. ROY J. WENSLEY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1920, Serial No. 386,322. Renewed July 25, 1923. 20 Claims. (Cl. 171—118.)

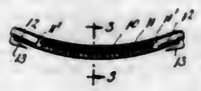


3. A system for starting a synchronous motor comprising a relay responsive to the energization of the motor-field-magnet windings and a relay responsive to the minimum value of current in the armature windings.

19. A system for starting a synchronous motor comprising a relay energized in accordance with the direct-current energization of the motor-field-magnet windings and a relay energized to a degree depending upon the speed of the motor.

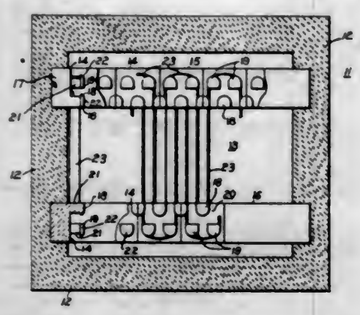
20. A system for starting a synchronous motor comprising a relay and means responsive to the direct-current energization of the motor-field-magnet windings co-operating with means responsive to the speed of the motor to control the relay.

1,633,966. FASTENER. FRANZ WOLF, New York, N. Y. Filed Mar. 21, 1927. Serial No. 176,853. 1 Claim. (Cl. 24—87.)



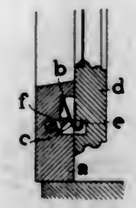
A fastener of the character described, consisting of a hollow pin, a spring mounted therein, plunger like members slidably mounted in said pin and attached to the ends of said spring, the ends of said members projecting outwardly from said pin and having hooks extending longitudinally in opposite directions over the front faces of the end portions of said pin.

1,633,967. ELECTRIC FURNACE. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 1, 1925. Serial No. 59,761. 6 Claims. (Cl. 204—64.)



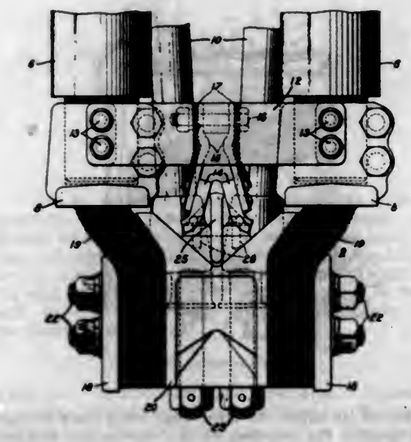
1. In an electric furnace, the combination with a furnace chamber, of a plurality of refractory wall members and a plurality of resistors supported by said refractory wall members in such manner that the depending loop portions along each of the walls are alternately similar.

1,633,968. SLIDING WINDOW. ARTHUR ZEHMAN, Rossberg-Beuthen, Germany. Filed Aug. 27, 1926, Serial No. 131,839, and in Germany July 16, 1925. 1 Claim. (Cl. 20—52.)



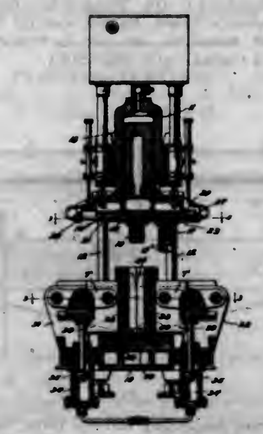
In a sliding window of the type made to slide laterally on horizontal supports, movable sashes made to slide against fixed sashes, channel members hinged on to the fixed sashes, channel members secured to the said sliding sashes and adapted to slide along in the said first channel members, springs acting on the said first channel members, means for locking the said sliding sashes together, and means for preventing the said sliding sashes from moving when the same are locked together.

1,633,969. CIRCUIT BREAKER. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 15, 1922. Serial No. 543,909. 3 Claims. (Cl. 200—166.)



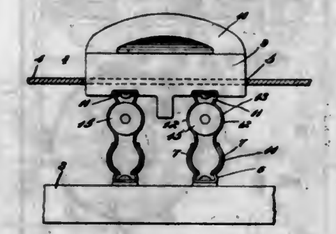
1. The combination, in a circuit breaker, of a pair of conductors provided with a stationary contact member constituting one pole of the breaker, a similar pair of conductors and contact member constituting another pole of the breaker, a bridging member provided with a pair of transversely flared portions, arcing tips located between such flared portions, and an arcing tip carried by each of the said conductors for co-operating with the last named arcing tips.

1,633,970. APPARATUS FOR COMPRESSING INGOTS. SAMUEL S. BALL, Bethlehem, Pa. Filed Apr. 24, 1922. Serial No. 556,242. 10 Claims. (Cl. 78—42.)



1. In mechanism of the class described, in combination, a base for supporting an ingot, a plunger movable relatively to the base for axially compressing the ingot, a die for engaging and supporting the side walls of the ingot during its axial compression, said die comprising a plurality of separable portions which constitute, together with the base, a confining chamber, a horizontally movable carriage supporting each of said separable portions of the die, and means including toggle mechanism for simultaneously operating said carriages.

1,633,971. FUSE MECHANISM. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1921. Serial No. 438,572. 4 Claims. (Cl. 175—298.)



1. In a panel board, the combination with a board having a fuse clip thereon and a cover having an opening opposite the fuse clip, of a carrier for closing the opening and provided with a clip for yieldingly and releasably supporting a fuse thereon, the said clip having portions extending beyond the fuse for engaging the interior of the fuse clip on the board for preventing release of the fuse from the carrier when the carrier is in closed position.

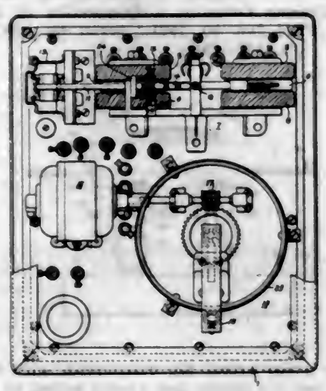
1,633,972. UNION UNDERGARMENT. ALTHEA T. BERRY, Wolfeboro, N. H. Filed Jan. 5, 1926. Serial No. 79,445. 2 Claims. (Cl. 2—78.)



1. A union undergarment comprising a waist portion and two combined lower body and leg portions, the waist portion including front and back sections united by longitudinal side seams, and being of knitted fabric which is relatively inelastic lengthwise of its wales, and elastic crosswise thereof, the wales of the back section extending horizontally throughout the area thereof so that said section is adapted to expand and contract vertically and conform to various movements of the portion of the wearer's body above the waist, while the wales throughout the area of the front section extend vertically, so that said section is adapted to expand and contract horizontally, the combined lower body and leg portions being united to the waist portion by a circumferential seam at the waist line of the garment and

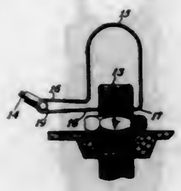
each combined lower body and leg portion being slitted downward from its upper end along the longitudinal median line thereof to form two vent slits extending from the waist line of the garment to the leg portions thereof.

1,633,973. REMOTE METERING SYSTEM. PERRY A. BORDEN, Toronto, Ontario, Canada. Filed Nov. 22, 1924. Serial No. 751,532. 9 Claims. (Cl. 171—34.)



6. A remote metering system comprising current-impulse device operating in accordance with the power and reactive components of the volt-amperes traversing a circuit, respectively, relays controlled thereby and a Kelvin balance having a winding intermittently energized by each relay.

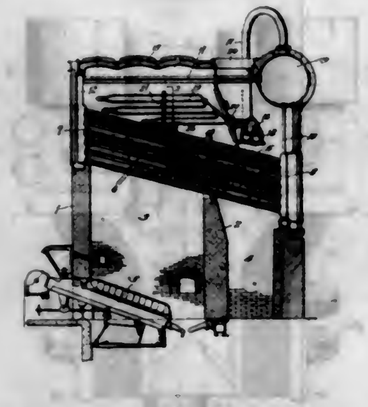
1,633,974. ELECTRICAL CONNECTER. EDGAR W. BREISCH, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 23, 1920. Serial No. 419,023. 1 Claim. (Cl. 173—273.)



A connecter comprising a unitary flexible metallic strip of substantially inverted U-shape having two legs provided with inwardly bent end portions in substantially the same plane to constitute oppositely disposed cooperating contact jaws for yieldingly gripping a terminal, one of the said jaws being of greater length than the other and constituting one portion of a flap loop extending at right angles to one leg of the strip which constitutes a combined handle and socket for receiving a permanently attached conductor.

1,633,975. SUPERHEATER BAFFLE. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Mar. 11, 1924. Serial No. 698,385. 3 Claims. (Cl. 122—478.)

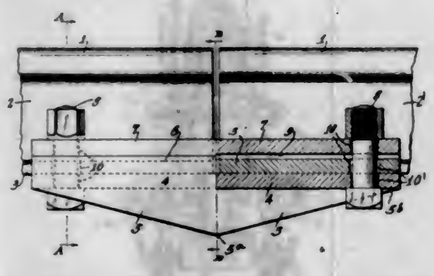
1. In a device of the class described the combination of a plurality of tubular superheater elements each comprising a plurality of parallel horizontal branches all in one plane, and a baffle made up of a plurality of baffle units each comprising a plane portion, said baffle units each having a number of notches one to each branch of the associated superheater element extending inward from one of its edges, the other edge being plain through which notches the branches of the superheater elements extend, the notched edge of each unit lying against the plain edge of the adjacent unit.



1,633,976. FLEXIBLE COMPOSITE ARTICLE AND METHOD OF FORMING THE SAME. ARTHUR L. BROWN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920, Serial No. 412,564. Renewed Nov. 8, 1926. 15 Claims. (Cl. 106—22.)

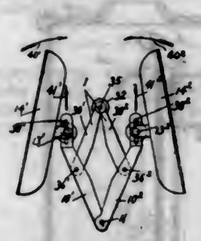
1. A condensation product comprising a phenolic body, a substance containing a methylene group, substantial proportion of a polymerizable vegetable oil less than the proportion of said phenolic body, and a drier for catalyzing the condensation reaction.

1,633,977. RAILWAY OR TRAMWAY RAIL JOINT. EDWIN AUGUSTUS BYRDE, Nagpur, Central India. Filed Jan. 7, 1925, Serial No. 963, and in British India Oct. 14, 1924. 5 Claims. (Cl. 238—210.)



2. A structure for joining railway rails, comprising an upper arch plate bolted to a lower girder plate over the flange of the rail ends, the inner edge of said upper plate having for its skew-back the web of the rail and also alternatively contacting upon the rail flange, and the outer edge of the upper plate having for its skew-back an upward extension of said bottom plate.

1,633,978. APPARATUS FOR THE CUT OF THE MUSTACHE. PIERRE LEON MARTIN VICTOR CALMELS, Tours, France. Filed Dec. 1, 1926, Serial No. 152,006, and in France Dec. 10, 1925. 7 Claims. (Cl. 132—45.)



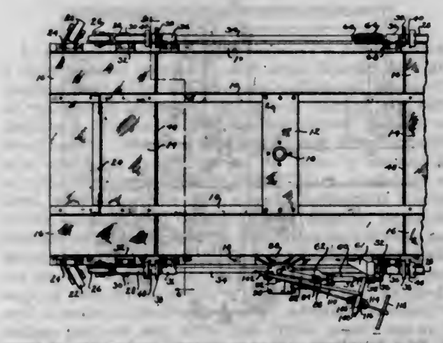
1. In an apparatus for determining the trim of a mustache the combination of the following parts: an arc formed by two arms adapted to be placed in front of the lips, two guide members and means of articulation inserted between said guides and the ends of the arc allowing said guide-members to be inclined relative to said arc, and, thereby, the line for trimming the points of the mustache, to be altered.

1,633,979. DISCONNECTING SWITCH. HERBERT J. CRABBS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 20, 1923. Serial No. 663,732. 4 Claims. (Cl. 200—169.)



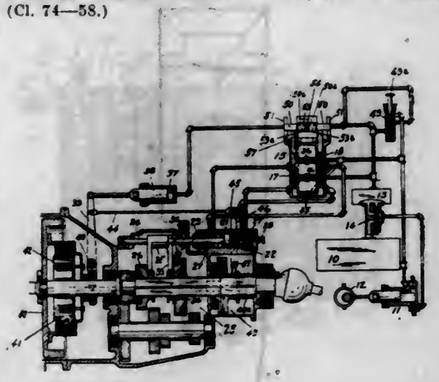
1. A unitary stamped latch for a switch blade comprising a main body portion in one plane, a lug bent into a second plane, and a hook member bent laterally from and then reversely towards said main body portion.

1,633,980. TRANSFER TURNTABLE. ROBERT CRAIG, Maplewood, N. J. Filed Oct. 7, 1926. Serial No. 140,052. 10 Claims. (Cl. 104—44.)



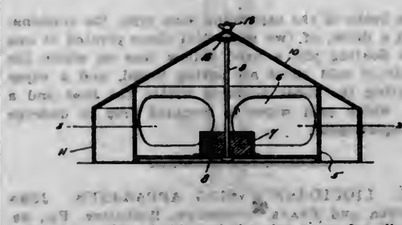
1. In a turntable for vehicles, in combination, a set of wheels adapted to support said turntable for rotation, a set of transfer wheels, and means for rendering either set of wheels effective; said means including a lifting device, an operating device with a variable ratio, and settable means for changing said ratio.

1,633,981. FLUID-PRESSURE CONTROL FOR POWER TRANSMISSIONS. ROGER Q. DAVIS, Akron, Ohio. Filed Jan. 20, 1926. Serial No. 82,497. 10 Claims. (Cl. 74—58.)



4. A fluid pressure control for power transmissions comprising a double acting piston connected to each shiftable gear of the transmission, means normally holding each double acting piston in neutral, a piston connected to the clutch thereof, means normally engaging the clutch, means for providing a supply of fluid pressure, and shiftable means for connecting fluid pressure from the supply means to the one side or the other of either gear operating piston and for connecting the supply means to the clutch operating piston during shifting of the gear and disconnecting the supply means therefrom when the gear has been shifted, said means comprising double acting valves connected to the double acting pistons, a valve connected to the clutch operating piston, and a single means for operating the valves adapted to operate the clutch valve during the shifting of either one of the double acting valves and the latter in either direction.

1,633,982. RAT-POISON HOLDER. TIMON DAVIS, Mauston, Wis. Filed Feb. 18, 1927. Serial No. 169,382. 2 Claims. (Cl. 43—131.)



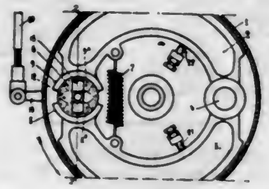
1. In a poison holder of the character described, a pan having spaced oblong openings at its sides, a poison holding cup arranged in the center of the pan, an inverted conical lid for disposition over the top of the pan and being of an area so that the edge of the lid will overlap the edge of the pan, spaced depending legs on the edge of the lid and resting upon the floor surface, and means interconnecting the center of the pan and the apex of said lid.

1,633,983. DISPENSING-CUP CARTON. CECIL F. DAWSON, East Orange, and EDWIN G. WESSMAN, Boonton, N. J., assignors, by mesne assignments, to Individual Drinking Cup Co. Inc., Easton, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1920. Serial No. 421,981. 26 Claims. (Cl. 206—56.)



3. A carton having a delivery end portion square in cross section, and yieldable fingers extending inwardly from the corner portions at the lower marginal edges of said delivery end portion.

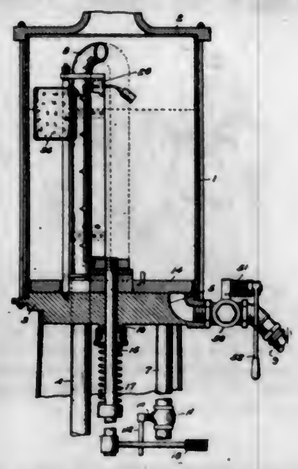
1,633,984. BRAKE OF THE EXPANDING-SHOE TYPE. GUIDO FORNACA, Turin, Italy. Filed Aug. 8, 1925, Serial No. 48,968, and in Italy Aug. 29, 1924. 4 Claims. (Cl. 188—78.)



1. In a brake of the expanding shoe type, the combination with a drum, of two segmental shoes pivoted at one end on a floating pin, a fixed hollow boss on which the other ends of said shoes are spring urged, and a wiper for actuating the shoes mounted within the boss and a shaft on which said wiper is mounted free to undergo lateral displacement.

1,633,985. LIQUID-DISPENSING APPARATUS. JOHN R. FOSTER and FRANK WOODRUFF, Rochester, Pa., assignors to Correct Measure Company, Rochester, Pa., a Corporation of Pennsylvania. Filed Oct. 17, 1925. Serial No. 63,041. 3 Claims. (Cl. 221—100.)

1. In liquid-dispensing apparatus a measuring chamber provided with a delivery orifice and a return orifice, a return conduit leading from the return orifice, a valve in the return conduit, a valve within the measuring chamber provided with a plurality of orifices opening at different levels within the measuring chamber, said valve being movable from return position to successive positions of registry of its orifices with the delivery orifice, and back again to return position, the said valve in the



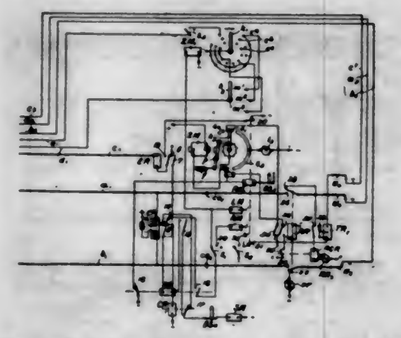
return pipe, otherwise closed, being movable from its normally closed to its open position by the shifting of the said valve in the measuring chamber to return position.

1,633,986. ARTIFICIAL EYE. RICHARD GREINER, Berlin, Germany. Filed July 24, 1926, Serial No. 124,780, and in Germany Nov. 17, 1925. 3 Claims. (Cl. 3—13.)



1. An artificial eye, wherein the white cornea or sclerotic of opalescent glass, is covered with a thin layer of colourless crystal glass.

1,633,987. SEMIAUTOMATIC OR AUTOMATIC GRADED-SERVICE TELEPHONE SYSTEM. GEORG HEIMANN, deceased, Charlottenburg, Germany, by Else Hecht, née Heimann, administratrix, Charlottenburg, Germany. Filed Aug. 16, 1921, Serial No. 492,760½, and in Austria Dec. 30, 1913. 32 Claims. (Cl. 179—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a telephone exchange system, a plurality of lines divided into different traffic zones, means for establishing connections between calling and called lines, toll devices

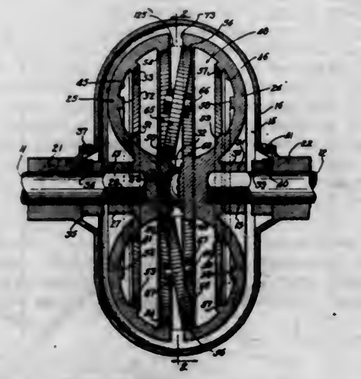
normally inert operating mechanism for said devices and rendered operable upon the establishment of any connections, and means for preventing the establishment of a connection between a calling line and a called line belonging to a certain zone.

1,633,988. PROTECTOR FOR GLASS AND METAL DOOR KNOBS AND AUTOMOBILE HANDLES. GEORGE JONES, Flushing, N. Y. Filed Sept. 2, 1926. Serial No. 133,220. 1 Claim. (Cl. 150—52.)



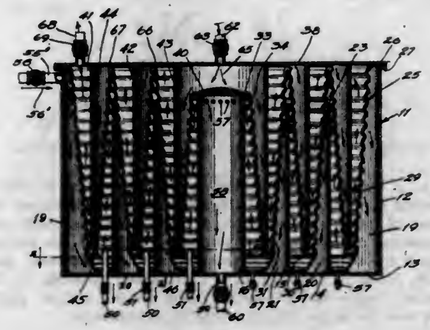
A device of the class described including a hollow flexible body adapted to receive a door knob and shaped in conformity therewith and provided with an opening sufficiently large to pass the knob therethrough and having a hem directly at its edge, and an elastic band in the hem adapted to draw the edge of the opening tightly about the shank of the knob.

1,633,989. TRANSMISSION. RICHARD GIRARD JONES, Hynes, Calif. Filed Dec. 5, 1925. Serial No. 73,373. 3 Claims. (Cl. 74—26.)
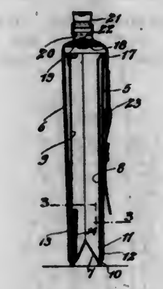


1. In combination: a drive element; a driven element; a drive member secured to said drive element, said drive member having an annular semi-cylindrical channel; a driven member secured to said driven element, said driven member having an annular semi-cylindrical channel, said annular semi-cylindrical channels of said drive and driven members being located so as to form a substantially annular cylindrical channel; drive gears carried by said drive member within said annular cylindrical channel; driven gears carried by said driven member within said annular cylindrical channel, said drive and driven gears being arranged in pairs in said annular cylindrical channel so that a drive gear is placed diametrically opposite each of said driven gears; a transmitter gear situated in said annular cylindrical channel adapted to selectively engage pairs of said drive and driven gears; means for moving said transmitter gear into engagement with any pair of said drive and driven gears; guides extending into said annular cylindrical channel; a bracket slidable on said guides; back gear means carried by said bracket, said back gear means being adapted to engage adjacent drive and driven gears; and means for bringing said back gear means into engagement position.

1,633,990. DEPHLEGMATOR. RICHARD GIRARD JONES, Hynes, Calif. Filed Jan. 13, 1926. Serial No. 80,890. 5 Claims. (Cl. 257—243.)



1. In an oil vapor condensing and rectifying device, the combination of: a series of collection chambers each having an inlet and an outlet near the top thereof; a hollow partition member in each chamber through which cooling fluid is circulated; a perforated member depending from the bottom of said hollow partition; and an inverted U-shaped outlet pipe disposed in each chamber, said pipe extending upwardly to substantially the same level as the bottom of the hollow partition, with its inner end disposed near the bottom of the chamber, and an opening in the bend thereof whereby the condensate while being drawn off from near the bottom of the compartment is maintained at a constant level, and is rectified as to boiling point by the hot vapor mixture bubbling through the submerged perforated member.

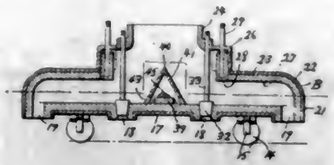
1,633,991. BRIEF CASE. SAMUEL H. LIFTON, Brooklyn, N. Y. Filed May 29, 1924. Serial No. 716,582. 5 Claims. (Cl. 150—1.6.)



1. A brief case comprising front and rear body walls connected at their side and bottom edges by a flexible bellows fold, a rigid strip arranged within the case body at the bottom portion thereof and extending substantially the full width and length thereof, and means for flexibly attaching said strip along one of its longitudinal edges to the base of the case body to thereby permit of the movement of said strip from a position substantially in

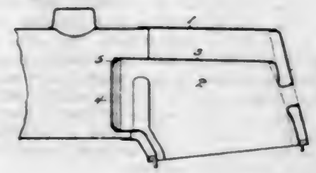
parallel relation with the case walls to an angular position therebetween whereby said bellows fold is expanded and the case walls retained in maximum spaced relation, said strip coinciding with the bottom wall of the case.

1,633,992. BOX FOR POURING STEEL INGOTS. BERNARD J. MADDEN, Duluth, Minn. Filed Jan. 14, 1927. Serial No. 161,166. 4 Claims. (Cl. 22—79.)



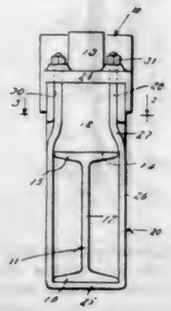
1. A box for pouring steel ingots comprising a bottom having a plurality of openings, means for controlling the flow of molten steel through said openings, said box including an entrance hopper, and a baffle on the bottom below the hopper to split the stream of molten steel, said baffle being in the form of a roof having openings in the bottom edges thereof, and a brick on the bottom under the roof for supporting a quantity of aluminum.

1,633,993. LOCOMOTIVE BOILER. HUGH MCCABE, Lawrence, Mass., assignor to McCabe Manufacturing Company, Lawrence, Mass., a Partnership. Filed Aug. 17, 1926. Serial No. 129,760. 1 Claim. (Cl. 122—512.



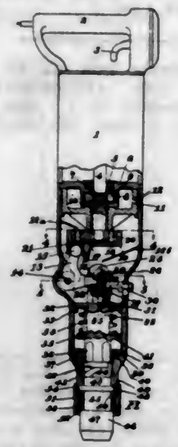
A tube sheet for fire boxes of locomotives having a tube sheet proper formed with a flange at its edges, the angle between the tube sheet and the flange being thicker than the tube sheet proper to enable it to bear the stresses of expansion and contraction due to fluctuations in the temperature.

1,633,994. BEARING MOUNTING. IRA J. MCCULLOUGH, Huntington Park, Calif. Filed Jan. 4, 1926. Serial No. 79,085. 3 Claims. (Cl. 308—15.)



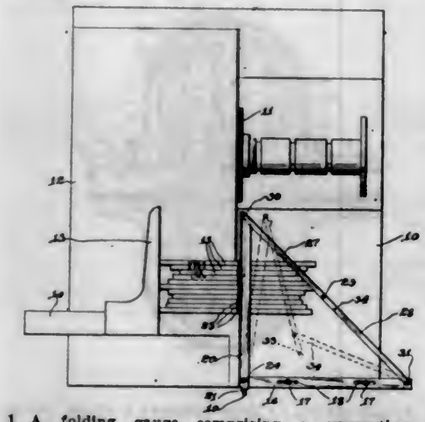
1. A bearing mounting including a support, a bearing, and a U-bolt engaging around the support and having its end portions offset inwardly and engaging the bearing to hold it on the support.

1,633,995. POWER HAMMER. HARRY H. MILLER, Youngstown, Ohio, assignor to Miller-Smythe Electric Company, Youngstown, Ohio. Filed Sept. 15, 1924. Serial No. 737,728. 20 Claims. (Cl. 125—33.)



1. A power hammer comprising a percussion member, a drive gear, a pivoted member having one end at all times connected with said gear, the other end being adapted to alternately engage and disengage with said percussion member.

1,633,996. SAW GAUGE. ANTON H. NARROW, Memphis, Tenn. Filed Jan. 30, 1925. Serial No. 5,815. 7 Claims. (Cl. 29—69.)

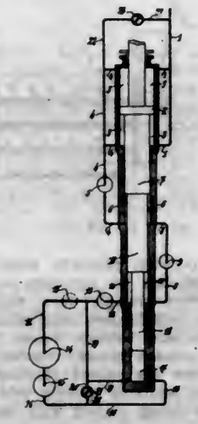


1. A folding gauge comprising a supporting bar, spaced blocks on the supporting bar, a straight edge pivoted to one of said blocks for movement into and out of parallel relation to the supporting bar, said straight edge having one end reduced to receive one of said blocks, and a toggle for locking the straight edge in position at right-angles to the supporting bar, substantially as set forth.

1,633,997. MANUFACTURE OF VAT DYESTUFFS. PAUL NAWIASKY, Ludwigshafen-on-the-Rhine, KARL ZAHN, Hochst-on-the-Main, and KARL SAURWEIN, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed Nov. 23, 1925, Serial No. 71,020, and in Germany Dec. 13, 1924. 3 Claims. (Cl. 260—61.)

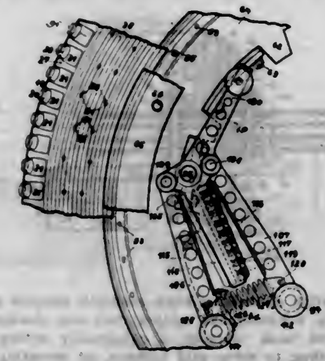
3. As a new article of manufacture a vat dyestuff which can be obtained by acting on Bz-1-chlor-Bz-2-methoxy-benzanthrone with an alkaline condensing agent and which dissolves in concentrated sulfuric acid with a claret red coloration and dyes cotton from a blue vat blue shades which by oxidation turn to a bright greenish blue.

1,633,998. DEVICE FOR THE SIMULTANEOUS OBTAINMENT OF THE COMPRESSION AND THE CIRCULATION OF GASEOUS MIXTURES. GEORGES LÉON EMILE PATART, Paris, France. Filed Jan. 14, 1925, Serial No. 2,445, and in France Jan. 17, 1924. 3 Claims. (Cl. 230—183.)



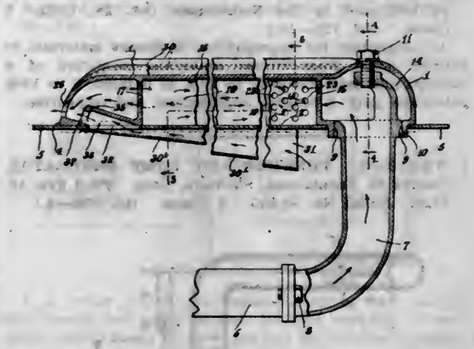
1. A device for effecting the compression and the circulation of gaseous mixtures, comprising a compressor having a plurality of cylinders in series, a circulation pump whereof the cylinder is contiguous to the cylinder of the compressor which operates under the maximum pressure and the piston is secured to the piston of the said compressor, the discharge conduit of the cylinder of the high pressure compressor opening into the discharge conduit of the pump, piping connecting together the suction conduits and the delivery conduits of the said pump, and controlling means provided in the said piping whereby the output of the said circulation pump may be varied without any change in the operation of the compressor.

1,633,999. ELASTIC TIRE. CURT RISSBACK, Berlin-Friedenau, Germany. Filed Nov. 3, 1922, Serial No. 598,732, and in Germany Nov. 17, 1921. 3 Claims. (Cl. 152—28.)



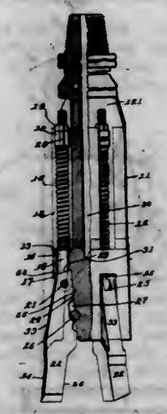
2. An elastic tire having a yielding tread, a plurality of tensioning means, means whereby said tensioning means are supported within the tread, a rigid ring and mechanism to provide resilient resistance between the tire and the ring, varying in magnitude with the angular position of the said ring, said means including a cam and a pair of arms having a resilient cushion therebetween.

1,634,000. EXHAUST MANIFOLD AND MUFFLER. WILLIAM F. SMITH, Poughkeepsie, N. Y., assignor of one-half to Herman A. Schatz, Poughkeepsie, N. Y. Filed Jan. 12, 1925. Serial No. 1,904. 4 Claims. (Cl. 137—160.)



1. In an exhaust manifold for internal combustion engines, a casing having cooling fins on one side thereof and an air duct on the other side thereof, two baffle plates projecting from opposite side walls partly across said casing, two longitudinal walls between said baffle plates and substantially parallel with the side walls of the casing, one of said longitudinal walls being provided with apertures only near one and the other only near the other baffle plate, an exhaust gas intake port between one of said baffle plates and the rear wall of said casing, and an exhaust gas exit port in the front wall of said casing.

1,634,001. UNDERREAMER. EDWARD TIMBS, Los Angeles, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Aug. 4, 1923. Serial No. 655,678. 5 Claims. (Cl. 255—75.)



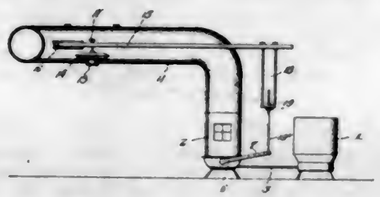
1. An underreamer comprising a body provided in its peripheral face with longitudinally extending open grooves and cutter pockets in one end, there being holes connecting the grooves and pockets, mandrels extending from

the grooves through the holes, springs in the grooves surrounding the mandrels, nuts on the mandrels to retain the springs, and cutters collapsibly mounted in the pockets and pivotally connected with the mandrels, and cooperating means on the mandrels and walls of the grooves to guide the mandrels.

1,634,002. COMPOSITION FOR IMPREGNATING FIBROUS MATERIALS. WILLEM TOM, Katwijk aan Zee, Netherlands. Filed Nov. 1, 1926, Serial No. 145,696, and in the Netherlands Oct. 28, 1925. 1 Claim. (Cl. 134—15.)

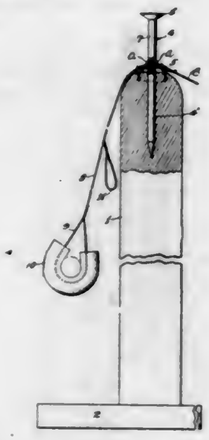
A composition for impregnation of fibrous materials or articles made from fibrous materials consisting of a homogeneous mixture of 15 to 30% of paraffin, 6 to 15% petroleum jelly, 3 to 10% naphthalene, and turpentine.

1,634,003. THERMOSTATIC LAMP REGULATOR. GEORGE M. TROLLINGER, Shelburn, Oreg. Filed Feb. 16, 1926. Serial No. 88,645. 1 Claim. (Cl. 236—4.)



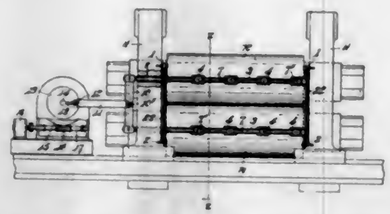
An adjustable connector adapted to be interposed between a thermostatically controlled lever and a lamp controlling lever comprising a U-shaped bail having a bight portion, a rod slidable through the opening, and a nut threaded on the rod to engage the bight portion so that the rod may be adjusted in relation to the bail, said bail adapted to be connected with one lever and said rod adapted to be connected to the other lever.

1,634,004. UNIVERSAL FRUIT-TREE PROP-LINE SUPPORT. JOHN L. UHLIK, Los Angeles, Calif. Filed Jan. 16, 1923. Serial No. 612,942. 1 Claim. (Cl. 85—10.)



In a device of the character described, a spike having a head, said spike being adapted to be driven into a standard, an integral cup shaped flange arranged to penetrate the material of the standard to serve as a ferrule for the end of said standard; the head of said spike being spaced from said flange to form an elongated shank adapted to receive one end of a supporting line.

1,634,005. ROLL POLISHER. HENRY D. WEISGERBER, Wheeling, W. Va., assignor, by direct and mesne assignments, of one-fourth to V. P. Wendle and one-fourth to L. W. Rose, Dover, Ohio. Filed Dec. 9, 1925. Serial No. 74,321. 4 Claims. (Cl. 80—1.)

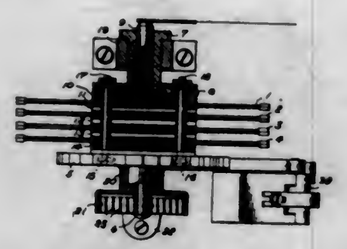


4. In a roll polisher, pivotally mounted levers, bars disposed in parallelism to the rolls and supported by said levers, holders slidable upon said bars, abrasive blocks carried by said holders, longitudinally reciprocable rods attached to said holders, means for reciprocating said rods, and tension means attached to said levers whereby the latter are caused yieldingly to hold said bars advanced to positions wherein said holders present said blocks in yielding contact with the rolls.

1,634,006. DRY CELL. VICTOR YNGVE, South Orange, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 12, 1925. Serial No. 1,922. 3 Claims. (Cl. 136—139.)

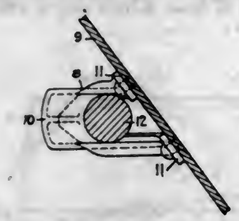
1. The method of preparing dry cell mixture which consists in milling together separate dry depolarizing and carbonaceous materials and a salt, and then adding to the milled product electrolyte.

1,634,007. AUTOMATIC SWITCHING SYSTEM. FRITZ ALDENDORFF, Wilmersdorf, near Berlin, Germany, assignor of one-fourth to Paul Kollsch, New York, N. Y. Filed Jan. 29, 1923, Serial No. 615,627, and in Germany Feb. 2, 1922. 10 Claims. (Cl. 179—27.5.)



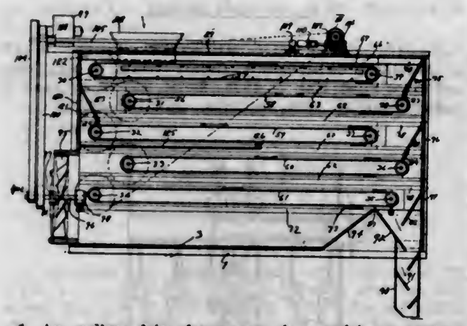
1. A switch comprising bank contacts, brushes adapted to glide in a continuous motion over any desired number of said bank contacts, a continually acting power device tending to move said brushes, an arresting means both for holding the brushes in an initial position against the action of said power and for positively stopping the power-driven brushes on any desired bank contact.

1,634,008. RAILWAY CAR. HARRY T. ANDERSON, Butler, Pa. Filed Jan. 8, 1925. Serial No. 1,295. 3 Claims. (Cl. 105—247.)



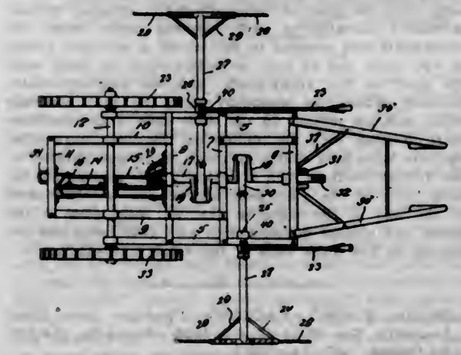
1. The combination with a railway car body, of an impact receiving member secured thereto, comprising a base portion and a nose portion, the said member being provided with a recess for the reception of a shaft intermediate the nose portion and the base portion.

1,634,009. ENDLESS DRIER FOR MACARONI. GIUSEPPE BAGNANI, San Francisco, Calif. Filed Feb. 15, 1926. Serial No. 88,256. 2 Claims. (Cl. 34—12.)



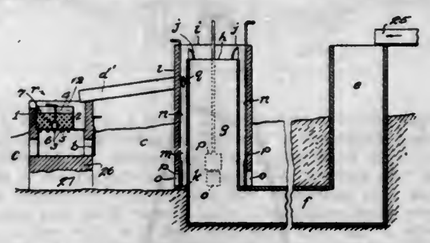
1. An endless drier for macaroni comprising a casing, a series of endless screen belts mounted therein, grooves in both sides of the casing above each belt, slides in said grooves, brushes carried by said slides and adapted to bear on the tops of said belts adjacent the edges thereof, a fan in one end of said casing and means to drive said fan and said endless belts.

1,634,010. COTTON CHOPPER AND WEEDER. EDWIN WORTH BEASLEY, Durham, N. C. Filed Dec. 3, 1926. Serial No. 152,422. 3 Claims. (Cl. 97—18.)



1. In a device of the class described, including a frame, wheels on the frame, a crank shaft journaled longitudinally of the frame, means for imparting intermittent rotation through the crank shaft from the wheels, supporting members depending from the frame, levers pivoted on the supporting members, bearings pivoted on the levers, shanks slidable through the bearings laterally of the machine, blades on the outer ends of the shanks, and connecting rods engaging the inner ends of the shanks and the cranks of the crank shafts.

1,634,011. IRRIGATING AND MINING WATER METER. GEORGE W. BEATTIE, Highland, Calif. Filed Sept. 16, 1922. Serial No. 588,712. 5 Claims. (Cl. 73—167.)

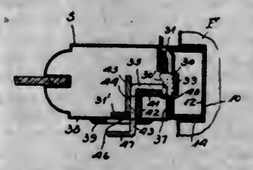


1. A water meter comprising a stilling box having inlet means and outlet means, the flow capacity of said outlet means being in such relation to the flow capacity of the inlet means that liquid will raise to a height above the outlet means sufficient to cause the flow through the outlet means to equal the flow through the inlet means; means to regulate the outflow to cause the water to rise to a predetermined level in said stilling box; and means extending below the predetermined water level adapted to prevent whirlpool effects, said outlet means arranged above an open air chamber.

1,634,012. PROCESS OF WEIGHTING FIBERS. OLAV BERG, Paterson, and MAX IMHOFF, Clifton, N. J. Filed Feb. 25, 1926. Serial No. 90,701. 7 Claims. (Cl. 8—13.)

7. A step in the process for weighting silk fabrics which comprises treating silk fabrics with a weak solution of acetic acid, treating the fabrics with a solution of lead acetate, and then treating the fabrics with a solution of sodium phosphate.

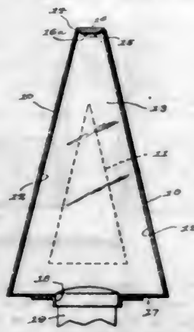
1,634,013. LATCH MECHANISM. CHARLES F. BOUCEK, Chicago, Ill., assignor to Ruda Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 18, 1926. Serial No. 88,995. 2 Claims. (Cl. 292—254.)



1. In combination, a window frame, a window sash hinged to the frame to swing to either open or closed position, a latch plate member on said sash, a yieldable latch tongue projecting into the path of said latch plate member when said sash is moved to closing position, cooperation of said latch plate member with said latch tongue causing first inward shift of said latch tongue and then release thereof into position in front of the latch plate member to thereby lock the sash in closed position, a key member shiftable on said latch plate member in a direction at right angles to said sash, said latch tongue and key member having wedging surfaces

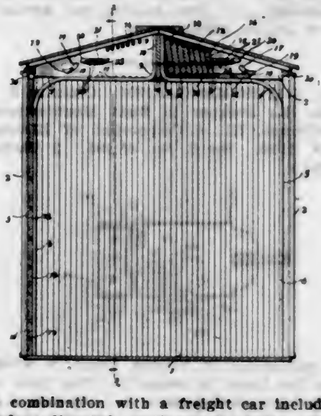
adapted to co-operate upon movement of said key member in inward direction to cause the latch tongue to be shifted away from the path of said latch plate member whereby to permit opening of said sash, said wedging surfaces co-operating when said sash is being closed to shift the key member in outward direction to permit locking engagement of said cam plate with said tongue.

1,634,014. MOTOR-VEHICLE SIGNAL. SAMUEL L. BRAYMAN, New York, N. Y. Filed May 13, 1926. Serial No. 108,952. 2 Claims. (Cl. 40—132.)



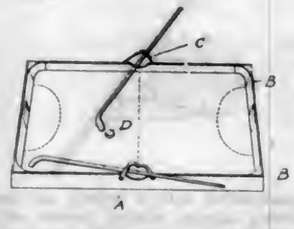
1. In a signaling device, the combination with a flashlight, of a truncated casing having openings simulating the human hand, disposed in the opposite faces thereof, and a second set of openings in the sides of said casing, the apex of said casing being apertured to permit the passage of light from said flashlight therethrough and there being an aperture arranged in the base of said casing for the reception of said flashlight, and means adapted to seat within and close the first-mentioned aperture, said means being rabbetted to engage the sides of said aperture to assure a snug fit.

1,634,015. GRAIN DOOR FOR FREIGHT CARS. NORRIS E. BRAY, Kimball, S. Dak. Filed July 14, 1926. Serial No. 122,432. 5 Claims. (Cl. 20—32.)



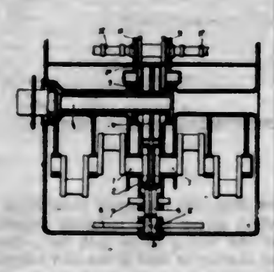
1. The combination with a freight car including transverse girders disposed at the roof of the car and extending between the sides of the opposite door openings, door sections adapted to extend across the respective door openings in superposed relation and to move into a position between the girders, elements at the lower edges of the girders to deflect the door sections moving thereover into approximately upright positions, and means on the girders to engage the sections and retain them in such approximately upright positions.

1,634,016. APPARATUS FOR PLAYING A TABLE GAME OF HOCKEY. EDWIN ORMOND BROWN, West Croydon, England. Filed Oct. 14, 1926, Serial No. 141,652, and in Great Britain Jan. 8, 1926. 2 Claims. (Cl. 273—85.)



1. Apparatus for playing a table game comprising a board having raised sides and ends and representations of goals at the ends, said board being marked to represent a hockey field, a disk adapted to slide freely upon said board, recesses in the side walls of the board, sticks adapted to project over the board and lie within said recesses for moving said disk over the board and flexible closures to said recesses to limit the usage of said sticks.

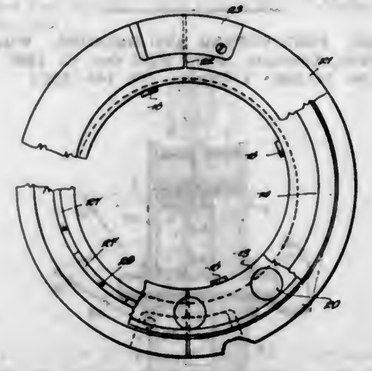
1,634,017. INTERNAL-COMBUSTION ENGINE WITH INCLINED CYLINDERS. GIULIO CESARE CAPPA, Turin, Italy. Filed Mar. 5, 1925, Serial No. 13,276, and in Italy Mar. 12, 1924. 1 Claim. (Cl. 123—55.)



An internal combustion engine of the V-type comprising a two-part crank-shaft mounted in the plane bisecting the angle formed by the two rows of the engine cylinders, a single gear in the middle cross plane of the engine connecting the two parts of the crank-shaft, a driving-shaft mounted above the crank-shaft parallel to and in the same vertical plane of the latter, a single reducing gear centrally mounted on the driving-shaft in mesh with the gear on the crank-shaft, separate secondary-shafts mounted in said bisecting plane below the crank-shaft and parallel to the latter, a separate pinion on the inner end of each secondary-shaft in mesh with the gear on the crank-shaft, separate auxiliary-shafts mounted below the secondary-shafts in said bisecting plane, separate pinions on the inner ends of the auxiliary shaft in mesh with the pinions on the secondary-shafts, separate valve-gear shafts mounted above and parallel to the driving shaft in said bisecting plane, pinions on the inner ends of the valve-gear shafts, gear teeth formed on the hub of the reducing gear on both sides of the latter, and pinions meshing with said gear teeth and the pinions on the inner ends of the valve gear shafts.

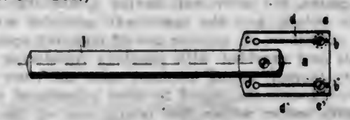
1,634,018. PISTON PACKING. CHARLES LEE COOK, Louisville, Ky. Filed June 8, 1926. Serial No. 114,538. 10 Claims. (Cl. 74—109.)

1. A piston packing comprising a bull ring formed of separable sections, an expansible packing ring associated with each section, and a plurality of separately removable and insertible holding elements of material softer than the bull ring sections and packing rings and interposed between portions thereof, said holding elements being



deformed by being compressed between said portions of the sections and packing rings due to the expansion of the packing rings.

1,634,019. CALIPER. HENRI COULLERY, La Chaux de Fonds, Switzerland. Filed Mar. 19, 1923, Serial No. 626,150½, and in Switzerland Mar. 21, 1922. 2 Claims. (Cl. 33—163.)



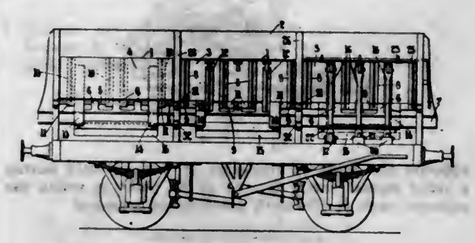
1. A caliper gage having a slot intersecting one of its edges, a conical shaped wedge, a beveled seat for said wedge, the axis of said seat and said wedge coinciding with the median line of said slot, and means for drawing said wedge into said seat for increasing the length of the intersected edge.

1,634,020. STEAM BOILER. CHARLES WAKEFIELD CROWELL, Salisbury, N. C. Filed Mar. 1, 1921. Serial No. 448,863. 8 Claims. (Cl. 122—42.)



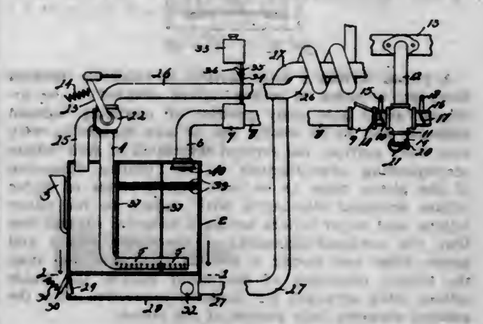
4. A cylindrical boiler, a cylindrical fire box therein having its longitudinal central axis disposed below the longitudinal central axis of the boiler, a head closing one end of the boiler, a tube sheet at the opposite end thereof and forming one wall of a smoke box disposed in advance of the boiler, the bottom of the boiler and fire box, adjacent one end, being cut away to provide a grate opening, a mud frame around said grate opening and attached to the edges of the opening in the fire box and boiler whereby the bottom of the fire box is on a level with the top of the mud frame, a bridge wall extending up from the bottom of the fire box and intermediate the ends thereof, water tubes extending longitudinally through the fire box and through the tube sheets thereof and disposed in the upper portion of the fire box, and fire tubes extending through the front tube sheets of the boiler and fire box respectively and communicating with the smoke box and fire box respectively and disposed in the lower portion of the fire box.

1,634,021. VEHICLE. EUGENE CURRAN, Cardiff, and JOHN JOSEPH HICKEY, Llanishen, near Cardiff, Wales. Filed Sept. 4, 1925, Serial No. 54,569, and in Great Britain June 30, 1925. 12 Claims. (Cl. 105—251.)



1. In a vehicle, a frame, a bottom formed in two parts, said parts constituting the full area of the bottom transversely of the vehicle, one part sloping down from the side of the vehicle to the middle, and the other part being hinged relatively to the first mentioned part, said hinged part being adapted to be held symmetrically with or in line with said first mentioned part, and a strut pivotally mounted to the free edge of the hinged member and adapted to rest on said frame to support said part in the symmetrical position.

1,634,022. COMBINED TANK AND CARBURETOR. HARRY DALTON, Sr., Philadelphia, Pa. Filed Nov. 15, 1920. Serial No. 424,325. 1 Claim. (Cl. 261—124.)

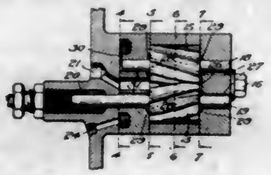


The combination with a fuel tank, partitions dividing the same into compartments, said compartments communicating at their lower corners beneath the fuel and at their upper corners above the fuel, of a heating compartment beneath the tank, warm air conduits entering the tank from the top of one of the compartments, with the lower portion of one of the conduits passing through the partitions at the bottoms thereof, said lower portion of this conduit having perforations within those compartments adjacent that through which the conduit enters, the other conduit extending above the fuel within the tank with its extremity terminating remote from the top of the tank, an exit pipe communicating with that compartment remote from that receiving the warm air conduits, and means connected to the exit pipe and warm air conduits for controlling the flow therethrough.

1,634,023. PUMP. CLARENCE MARION DAVISON, Baltimore, Md., assignor to Poole Engineering & Machine Company, Baltimore, Md., a Corporation of Maryland. Filed Mar. 15, 1926. Serial No. 94,894. 12 Claims. (Cl. 230—141.)

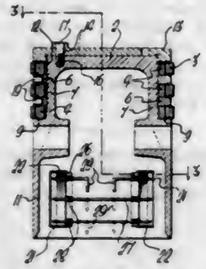
1. In a pump, the combination with the pump chamber casing, of intermeshing spirally cut gears, means for introducing the pump fluid into spaces between inter-

meshing teeth at one end of the gears, means for introducing a sealing liquid into said spaces, and end plates enclosing the ends of the gears, the plate at the end



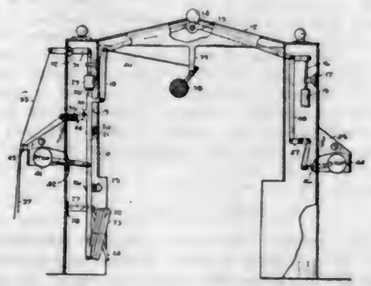
opposite the point of admission of pumped fluid having a relief recess therein located at the point at which the adjacent ends of the teeth are fully intermeshed.

1,634,024. PISTON. GEORGE SEXTON EVANS, Middle Brighton, Victoria, Australia. Filed Nov. 18, 1925, Serial No. 69,883, and in Australia June 24, 1925. 1 Claim. (Cl. 74—108.)



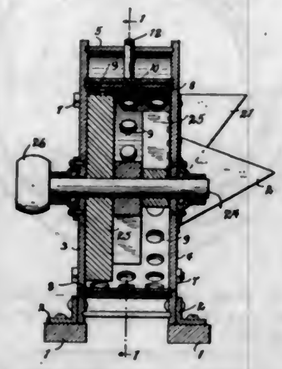
A piston having a body portion of relatively reduced diameter, a series of minor collars adapted to be arranged about said body portion of relatively reduced diameter and to be wholly free of any connection with such body portion, the vertical dimension of said collars corresponding approximately to the similar dimension of the piston rings to be used, and a series of major collars arranged alternately with respect to the minor collars, said major collars having a diameter slightly less than the combined diameters of the minor collars and piston rings and having a vertical dimension less than the similar dimension of the minor collars, the major collars being arranged for threaded connection with the reduced diameter body portion of the piston.

1,634,025. AUTOMATIC GATE. RUPERT IGNATIUS FARRELL, Montreal, Quebec, Canada. Filed Feb. 10, 1926. Serial No. 87,236. 4 Claims. (Cl. 39—27.)



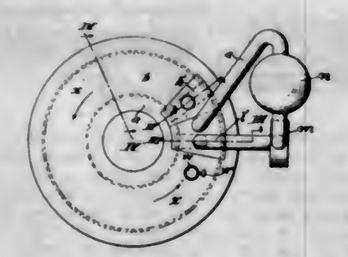
1. In a gate, a plurality of crossed bars pivotally secured to operate in lazy tong fashion, an anchoring bracket pivotally secured to an end bar of said gate, a vertical lever pivotally secured to the coacting end bar, a latch mechanism connected with said lever, a weight bearing on the lever, a pivoted cross arm operatively connected with said lever, and a weight connected with said cross arm.

1,634,026. FEED CUTTER AND GRINDER. WILLIAM E. FRITZ, Indianola, Nebr. Filed Oct. 12, 1926. Serial No. 141,195. 4 Claims. (Cl. 142—122.)



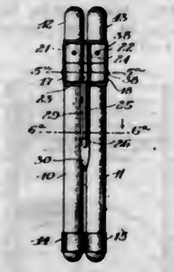
4. A machine of the character specified comprising side plates, inner and outer circular walls clamped between the side plates, the outer wall having a discharge opening in its bottom and the inner wall provided with a plurality of outlets, an annular cut-off mounted upon the inner wall and provided with openings registering with the outlets thereof, means mounted upon the outer wall and connected with the cut-off to effect adjustment thereof, a rotary cutter within the casing, one of the side walls having upper and lower feed openings, hoppers associated with the respective feed openings, and a hinge valve in the lower hopper and normally closing the same and free to swing inward at its lower end.

1,634,027. FURNACE FOR THE HEAT TREATMENT OF PULVERULENT, GRANULAR, OR PULPY MATERIAL. LUDWIG HONIGMANN, Bad Tolz, and FRIEDRICH BARTLING, Munich, Germany. Filed Oct. 16, 1925, Serial No. 62,832, and in Germany Oct. 8, 1924. 5 Claims. (Cl. 263—35.)



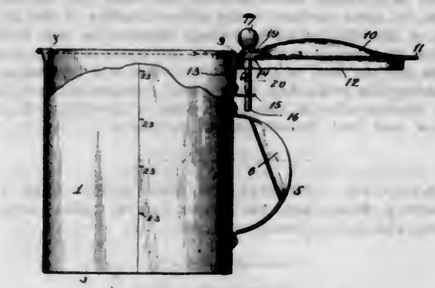
1. A furnace for the heat treatment of pulverulent, granular or pulpy material comprising an annular furnace chamber, a rotatable hearth in said chamber to continuously transport the charging material from a charging point to a discharging point, and means for supporting and rotating said hearth, said hearth having annular projections on its upper surface to form grooves within which the charging material is placed, and means to remove the dried material from said grooves individually.

1,634,028. RECEPTACLE OR CASE FOR THERMOMETERS. GEORGE B. IRELAND and ROE T. SOULE, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Jan. 16, 1925. Serial No. 2,867. 3 Claims. (Cl. 206—16.5.)



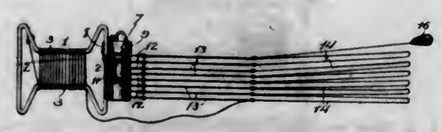
1. In a device of the class described, a container unit defining two sections, a closure unit defining two cap sections, a slidable connection between the two units, symmetrically disposed relatively to the sections of each unit, said connection permitting relative axial and rotary movement of the units, and means for acting upon the sliding connection, when the closure unit is in closing position, to resist disengagement of the units.

1,634,029. FOOD CONTAINER. JOE KORKAMES, Temple, Tex. Filed June 21, 1926. Serial No. 117,512. 4 Claims. (Cl. 220—33.)



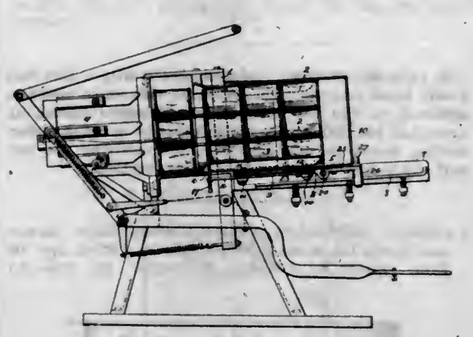
4. The combination with a portable container body and a cover, of a bracket secured to the body, a spindle secured to the cover and supported by said bracket for rotary and longitudinal movement, and a handle secured to the cover under said bracket and spindle, whereby the user when grasping the handle, may apply upward pressure to the spindle to raise the cover.

1,634,030. FISHING LINE. JOE KORKAMES, Temple, Tex. Filed Sept. 22, 1926. Serial No. 137,057. 5 Claims. (Cl. 43—31.)



1. A fishing-line holder comprising a reel provided with a hook-receiving housing at one end, said housing being disposed in angular relation to the longitudinal axis of the reel, and means within the housing to maintain hooks received therein in radial relation to the housing and prevent withdrawal thereof through the side of the housing.

1,634,031. MACHINE FOR BOXING OR CASING CANS. ALBERT H. KYLER, Westminster, Md. Filed July 6, 1926. Serial No. 120,742. 9 Claims. (Cl. 226—15.)



1. In a machine of the character described, the combination with box filling means, and a carriage movable to and from the filling means, of means to permit the tilting of a box on the carriage for facilitating removal of a filled box from the carriage.

1,634,032. NECKTIE AND LINING THEREFOR. HUGO LEONI, New York, N. Y., assignor to Super-Rubber Lining Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1926. Serial No. 156,659. 10 Claims. (Cl. 2—146.)



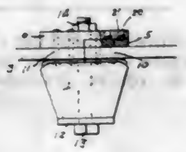
1. A necktie including a body material, a strip of uncreasable elastic material stretchable in all directions and means allowing for and limiting the stretch of the same in the direction of the length of the tie.

1,634,033. BELT SPLICER. DARCY E. LEWELLEN, Columbus, Ind. Filed May 3, 1926. Serial No. 106,256. 6 Claims. (Cl. 24—37.)



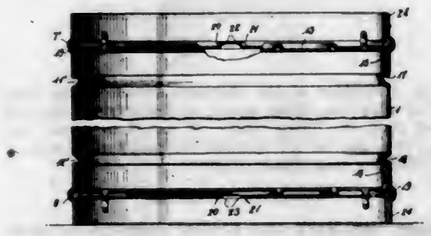
1. In a belt splicer, the combination with a belt and a belt block associated therewith, of a pair of members at the meeting ends of the belt, means interlocking with said members for holding them in fixed position, and means for locking said parts together.

1,634,034. BELT FASTENER. DARCY E. LEWELLEN, Columbus, Ind. Filed May 3, 1926. Serial No. 106,257. 7 Claims. (Cl. 24—37.)



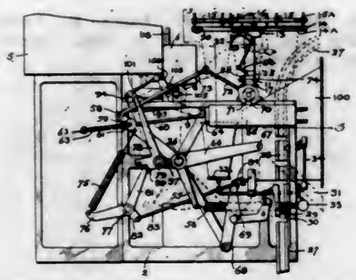
1. In a belt fastener, the combination with a belt, and a belt block associated therewith, of transverse members attached to said belt, one of said members having an extension adapted to span the adjacent member, interlocking means on the extension, for receiving the belt pull and means for locking said parts together.

1,634,035. METALLIC KEG. EDWARD DEAN MAHAN and JAMES IRA MAHAN, Pittsburgh, Pa. Filed Apr. 10, 1924. Serial No. 705,507. 5 Claims. (Cl. 220—5.)



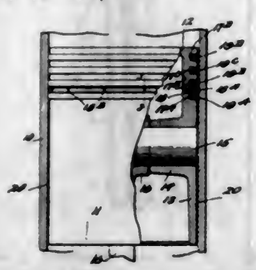
1. A metallic receptacle, comprising a body portion provided with longitudinal interlocking means, said body portion being normally of a substantially semi-circular shape, but said body portion being adapted to be sprung into substantially a circular formation and being retained in such position by the engagement of said interlocking means, a closure removably positioned within each end of the body, and means in each end for retaining the closures in place and for preventing relative longitudinal shifting of the engaged interlocking means.

1,634,036. DRINK-DISPENSING MACHINE. JAMES HOWARD MCLELLAN, Vancouver, British Columbia, Canada. Filed July 6, 1925. Serial No. 41,721. 11 Claims. (Cl. 225—21.)



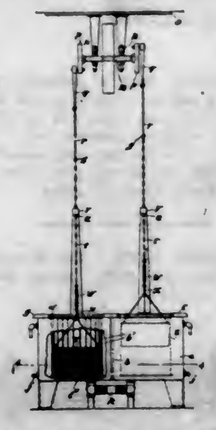
1. A drink dispensing machine comprising a motive power adapted to be set in motion, a cup delivery recess, having a rear opening, a liquid valve, means for supporting a cup adjacent thereto, means as the motive power is set in motion for discharging liquid into the cup, means for moving the filled cups horizontally through the rear opening into the cup, and for depositing another cup adjacent liquid valve after delivery.

1,634,037. PISTON. WELLINGTON W. MUIR, Lockport, N. Y. Filed Nov. 19, 1926. Serial No. 149,479. 4 Claims. (Cl. 74—108.)



1. In an internal combustion engine, the combination of a cylinder, a hollow piston arranged therein and having a head and an integral depending skirt, said skirt having a wrist pin bore therein extending transversely thereof, the outer surface of said skirt having a circumferential groove therein above said wrist pin bore, said skirt also having a second circumferential groove therein above said first groove, said grooves being disposed relatively close to each other to provide a narrow rib therebetween which is integral with the skirt, a packing ring in each of said grooves, said narrow rib having a plurality of relatively small openings extending therethrough from its outer surface to the hollow interior of the piston, a plurality of packing rings disposed in said skirt above said second named groove, the space between said skirt and the wall of the cylinder below said first named packing ring being free from direct communication with the interior of said piston, whereby accumulation of oil below said first named ring is prevented.

1,634,038. DISHWASHING MACHINE. JOHN J. OWENS, Blacksburg, Va. Filed July 9, 1925. Serial No. 42,510. 2 Claims. (Cl. 141—9.)



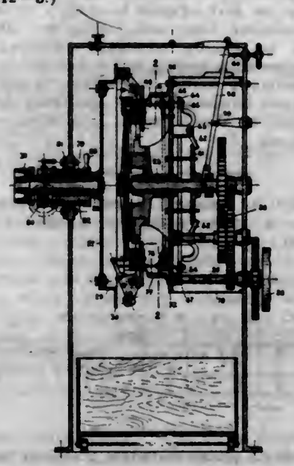
1. A dish washing machine comprising a tank for containing water, a plate secured to the upper edge of the tank and provided with an opening and a counter-sink surrounding the opening, a disk carrying receptacle cage arranged in the tank, including a rim which rests in the counter-sink, vertical guide bars depending from said rim and having a foraminous bottom secured to said bars, a reciprocable dish carrying receptacle arranged in the cage and contacting with the latter and means for reciprocating said receptacle in said cage.

1,634,039. COMBINATION CLOCK AND SCALE. FITZ EDWARD FARKLER, Chicago Heights, Ill. Filed July 27, 1925. Serial No. 46,285. 4 Claims. (Cl. 265—68.)



1. In a scale mechanism, a frame; a scale standard vertically and reciprocatingly mounted through the frame, the said standard having a spindle slot formed laterally therethrough; a scale hand spindle passed through said slot and journaled in said frame; an equalizer bar pivoted horizontally upon the scale standard below and transversely to the scale hand spindle; means extended from the frame for resiliently and adjustably supporting the ends of the equalizer bar respectively; and means connecting the scale standard with the scale hand spindle for causing the latter to rotate under the reciprocatory movement of the former.

1,634,040. MACHINE FOR THE MANUFACTURE OF CORK TAPS. ARMANDO PARENTI and GIOVANNI BOLOGNINI, Genoa, Italy. Filed Aug. 29, 1924, Serial No. 734,971, and in Italy Sept. 6, 1923. 6 Claims. (Cl. 142—3.)



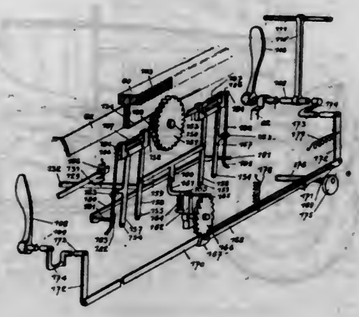
1. In a cork machine, a rotatable support, a stationary support, pivoted brackets carried by the rotatable support, cork clamping means carried by the brackets, abrading means arranged adjacent the rotatable support, means normally tending to swing the brackets into a position for causing the corks held in the clamping means to engage the abrading means, and means for retracting the bracket to displace corks from the abrading means, said retracting means including a plurality of cam plates, rods engaging the cam plates and movable thereover and connected with the brackets, means connecting the cam plates with the stationary support, and means for adjusting the cam plates with respect to the stationary support.

1,634,041. CHEESE MOLD. CHARLES PAULY, Port Washington, Wis., assignor to Pauly and Pauly Cheese Company, Manitowoc, Wis. Filed May 21, 1926. Serial No. 110,644. 1 Claim. (Cl. 100—55.5.)



A cheese mold comprising a bottom portion and a top portion arranged telescopically and adapted to compress a cheese between them, said top portion having a filling aperture and a removable plate covering said filling aperture, and having a positioning tongue adapted to be passed through said aperture and to engage a marginal portion adjacent such aperture.

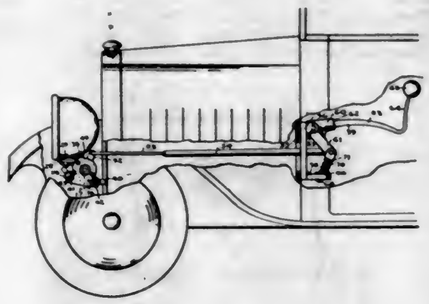
1,634,042. TYPEWRITER. HENRY PEETERS, Warcoing, Belgium. Filed Feb. 20, 1924, Serial No. 694,078, and in Belgium Dec. 21, 1923. 9 Claims. (Cl. 197—82.)



1. An escapement mechanism for typewriters, comprising a power driven carriage, a toothed escapement wheel constantly urged to rotate in one direction by the carriage, control means acting on the escapement wheel, release means normally restraining said control means and actuated by a key or the spacer bar to release the control means, the control means holding the escapement wheel stationary until released by the release means, the control and release means automatically reimmobilizing the escapement wheel after the latter has turned through an angle corresponding to the desired movement

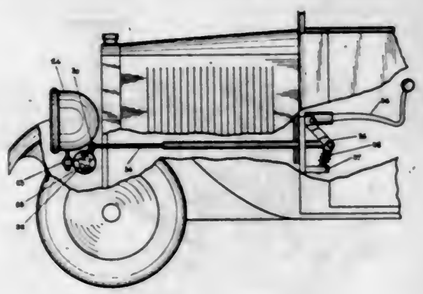
of the carriage, said release means including, a toothed cam wheel, means causing angular movement of the cam wheel upon depression of a key or the spacer bar, and an oscillatable lever having one end constantly in contact with the cam wheel.

1,634,043. VEHICLE HEADLIGHT. GEORGE PIERCE, Montreal, Quebec, Canada. Filed Oct. 31, 1924, Serial No. 747,067. Renewed Feb. 5, 1927. 9 Claims. (Cl. 240—61.)



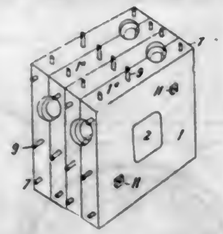
1. In vehicle headlights, a tubular mounting having the lamps clamped thereto, a bearing member for said tubular mounting including an aligning tube reduced at the ends and inserted into short tubes of greater outside dimensions than the aligning tube and spacing the inner wall of the mounting from the latter and extending from brackets adapted to be secured to the vehicle and lever mechanism for operating said mounting.

1,634,044. HEADLIGHT-DIPPING MECHANISM. GEORGE PIERCE, Montreal, Quebec, Canada. Filed May 29, 1925. Serial No. 33,779. 8 Claims. (Cl. 240—61.)



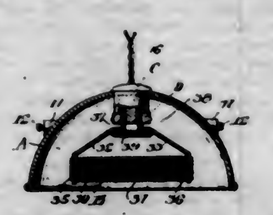
1. In a headlight dipping mechanism, a tubular lamp mounting having a cross slot, bearing brackets adapted to be secured to the vehicle frame, a tube having a cross slot and rigidly secured to said brackets and forming a bearing member for said mounting, a crank shaft inserted in said bearing member and having its crank member projecting through said slots, a lock mechanism secured to said mounting and said bearing member respectively and fixedly securing them in three selective positions in relation to one another, and an operating lever mechanism for selecting a first, second or third position and secured to said crank member.

1,634,045. APPARATUS FOR MAKING HOLLOW BENDS, ANGLES, OR SUCH LIKE BODIES OF CONCRETE OR OTHER MATERIAL. WILLIAM ALFRED PORTER, Brisbane, Queensland, Australia, assignor of one-half to William Valentine Scanlan, Brisbane, Australia. Filed June 30, 1926. Serial No. 119,729, and in Australia Aug. 26, 1925. 5 Claims. (Cl. 25—118.)



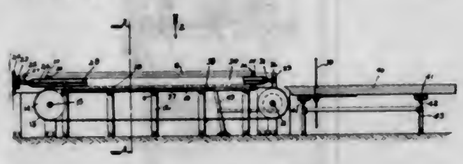
1. In improvement in apparatus for making hollow bends, angles or such like bodies of concrete or other material, the combination of mould boxes consisting of half moulds formed of the required shape held together by sectional covers and provided with a central feel hole as and for the purpose set forth and as herein described.

1,634,046. ELECTRIC HEATER. RUSSEL SUTHERLAND SMART, Ottawa, Ontario, Canada, assignor to Johnston, Dryden & Co., Incorporated, New York, N. Y., a Corporation of New York. Filed May 14, 1917. Serial No. 168,570. 3 Claims. (Cl. 219—34.)



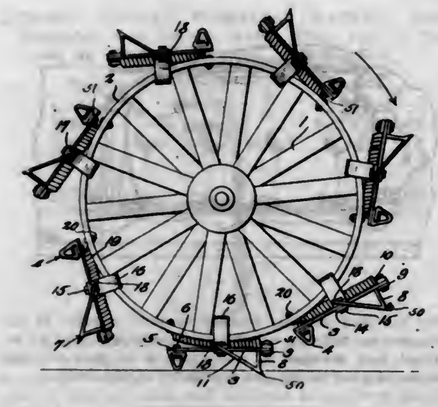
1. In an electric heater, a heating coil, a two part socket having one part adapted to enter a screw socket for an incandescent lamp, and having the other part formed with an electric terminal, connecting means adapted to support the heating coil in advance of and extending transversely across the socket having sliding contact with the terminals thereof and being detachable from the socket by a pull exerted in a direction transverse of the coil.

1,634,047. MOLD. GEORGE I. SMITH, Los Angeles, Calif. Filed June 4, 1925. Serial No. 34,820. 7 Claims. (Cl. 25—90.)



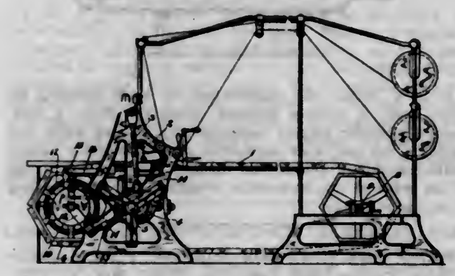
1. In a mold for plastic materials, a support, stationary side structures mounted thereon, movable wall structures movable upon the support, and inflatable members disposed between the stationary side structures and the movable wall structures.

1,634,048. FLEXIBLE-TREAD WHEEL. WYATT C. STARR, Lake Wales, Fla. Filed Apr. 21, 1926. Serial No. 103,571. 3 Claims. (Cl. 305—13.)



1. In a device of the class described, a wheel including a rim having a circumferential groove, a tread member comprising a yoke, and a resilient connector disposed outside of the rim and extended longitudinally of the rim and so shaped in cross section as to fit in the groove of the rim, one end of the connector being attached to the tread member, and the other end of the connector being attached to the rim.

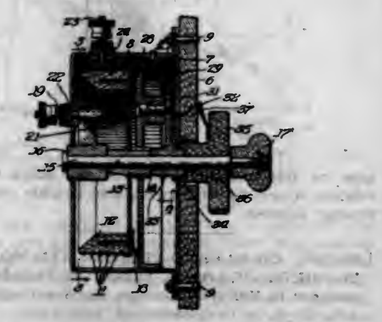
1,634,049. MACHINE FOR USE IN MAKING BOXES. ROSCOE STEELE, Rockaway, N. J., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Aug. 1, 1922. Serial No. 578,989. 6 Claims. (Cl. 1—8.3.)



1. A machine for use in making boxes comprising, in combination, a support for the box parts; fastener-setting mechanism; means to cause relative step-by-step progression between said mechanism and the box parts; means to vary the extent of said step movements; and a cam operated brake to lock the box parts and fastener-setting mechanism against relative movement during each interval between said step-by-step progression and while said interval occurs.

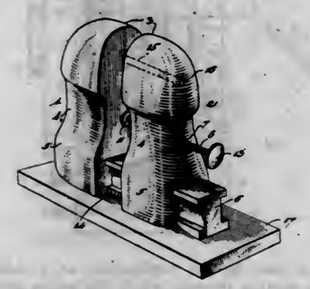
1,634,050. RHEOSTAT. WILLIAM S. SUTTON, Rockford, Ill. Filed Oct. 21, 1922. Serial No. 595,974. 4 Claims. (Cl. 201—56.)

1. In an instrument of the character described the combination of a casing, a shaft mounted therein having an element thereon to be rotated therewith in fine and coarse gradations of adjustment, an adjusting knob fixed to said shaft to communicate direct adjustment to said element, an arm rotatably mounted on the shaft, an operating knob connected to said arm, a gear carried by the arm, a pinion fixed with respect to said adjustable element



and meshing with said gear, and an internal gear mounted in said casing and meshing with said first mentioned gear, said last mentioned knob being arranged to communicate adjustment to said element indirectly through the transmission recited.

1,634,051. HAT STRETCHER. MAXWELL J. PARSCH, Detroit, Mich. Filed Oct. 16, 1922. Serial No. 594,848. 1 Claim. (Cl. 223—33.)

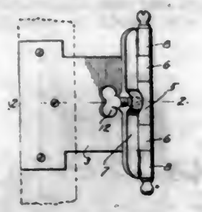


A hat stretcher comprising a base, a guide extending longitudinally of said base, a block fixed on said base at one end of said guide, a block slidable on said guide to and from said fixed block, said blocks having head and waist portions, a screw shaft disposed parallel to said guide and having one end held rotatably in the waist portion of the fixed block and the opposite end in screw-threaded engagement with the waist portion of the slidable block, and a dowel pin carried by the head of the fixed block and adapted to enter the head of the slidable block.

1,634,052. FRICTIONAL HINGE DEVICE. THEODORE J. RYAN and COMMODORE D. RYAN, Los Angeles, Calif. Filed June 21, 1926. Serial No. 117,320. 4 Claims. (Cl. 16—140.)

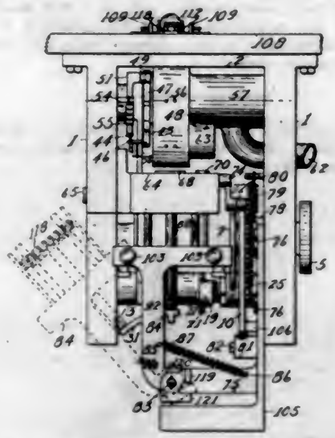
1. A friction hinge device comprising, in combination with a hinge having a pair of leaves provided with alternating knuckle portions whose openings are in alignment with one another, a member embracing the ends of the joint of said hinge and having end portions provided with openings in alignment with the openings in said knuckle portions, end pins engaging in said openings in said end portions and projecting into the end knuckle por-

tions, a loose pin extending within the openings of said knuckle portions between said first-named pins and means mounted on said embracing member and adapted to en-



gage an intermediate knuckle of the hinge to exert a relative lateral thrust between said knuckle and said embracing member.

1,634,053. CIGAR-BAND FEEDING AND MOISTENING MACHINE. WALTER H. SCHUSSLER, Philadelphia, Pa., assignor to Universal Tobacco Machine Company, Newark, N. J., a Corporation of New York. Filed Jan. 29, 1924. Serial No. 689,224. 13 Claims. (Cl. 131—61.)



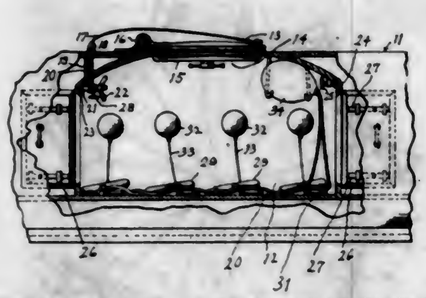
12. In a band feeding mechanism, an article support having an opening through which the bands are brought, a suction member to move the bands through said opening having suction ports, a band support, guides rotatably adjustable on said support, and means to effect relative movement of said member and said band support to bring the bands into the zone of suction of said member, and means to retain said band guides in their adjusted position.

1,634,054. PETROLEUM-OIL COMPOSITION. ALBERT A. SOMERVILLE, Flushing, N. Y., assignor of two-thirds to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 19, 1926. Serial No. 117,191. 2 Claims. (Cl. 87—9.)

2. An improved petroleum oil composition having improved electrical properties comprising an oil suitable for electrical purposes having incorporated therewith a small amount of para-amido-phenol.

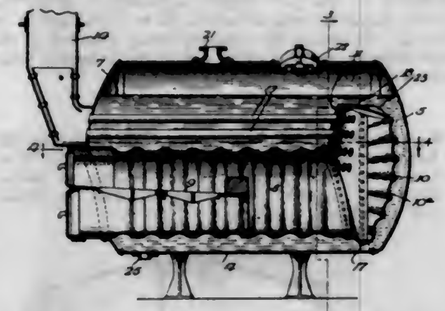
1,634,055. SUBMARINE LIFE-SAVING DEVICE. KUMAZO TANIGUCHI, Kingsburg, Calif. Filed Jan. 18, 1926. Serial No. 82,000. 5 Claims. (Cl. 114—16.7.)

1. In a device of the character set forth, a series of buoyant members each adapted to support a member of the crew upon the water, cables connecting the buoyant members to form a flexible raft, a relatively large float member at one extremity of the series of buoyant members in the series serving as container for drinking water, another buoyant member in the series serving as a con-



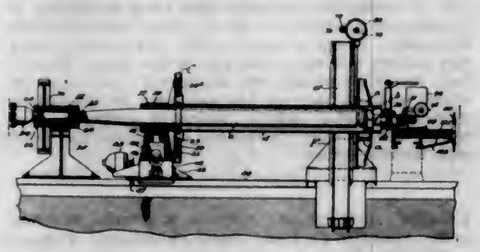
tainer for food rations, another buoyant member in the series serving to carry a light, and a compass, and an individual float member in connection with each buoyant member adapted to support a member of the crew.

1,634,056. STEAM BOILER. JAMES HALL TAYLOR, Oak Park, Ill. Filed Mar. 17, 1924. Serial No. 699,622. 7 Claims. (Cl. 122—149.)



1. In a boiler, the combination of walls forming an outer shell, a furnace disposed inside the shell, a combustion chamber formed independently of said walls and having front and rear outwardly and spherically bulged walls marginally united, the furnace being joined to one of the walls of the combustion chamber, and flues leading from the chamber.

1,634,057. MACHINE FOR SHAPING PIPES. JAMES HALL TAYLOR, Oak Park, Ill. Filed Mar. 6, 1925. Serial No. 13,651. 40 Claims. (Cl. 153—15.)



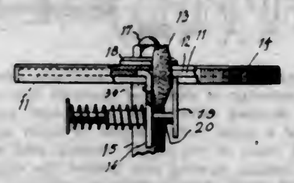
1. In a machine for shaping pipe, the combination of shaping mechanism, means for externally supporting one end of a pipe adjacent the shaping mechanism, means adjacent the supporting means for engaging substantially the entire inner periphery of the said one end of the pipe, and means for supporting the other end of the pipe.

1,634,058. DENTAL VIBRATORY MATRIX. TAKEO TERAGAWA, Los Angeles, Calif. Filed Dec. 6, 1926. Serial No. 152,930. 3 Claims. (Cl. 32—10.)



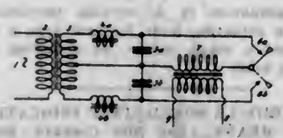
1. In a dental matrix, a plate member having a top face and a depending flange, a spring-actuated movable jaw in opposed relation to the depending flange, a cover slidable on the top face and mounted in opposed relation to the movable jaw, a handle for the plate member, and vibratory elements in the handle adapted for manual manipulation.

1,634,059. DENTAL VIBRATORY MATRIX. TAKEO TERAGAWA, Los Angeles, Calif. Filed Dec. 6, 1926. Serial No. 152,931. 3 Claims. (Cl. 32—10.)



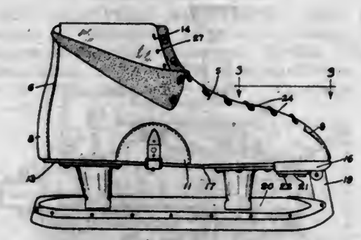
1. In a dental matrix of the character set forth, a plate member having two apertures therein, depending flange portions adjacent to each aperture, a movable jaw mounted in opposed relation to each depending flange portion, springs normally urging the movable jaws to operative position, a cover mounted in the top of the plate member and having apertures to correspond with the apertures in the plate member, a handle for the plate member, and manually actuated vibratory elements mounted in the handle.

1,634,060. CARRIER-FREQUENCY TELEGRAPH SYSTEM. JOHANNES VOPEL, Berlin-Neukolln, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed Jan. 5, 1926, Serial No. 79,298, and in Germany Jan. 20, 1925. 4 Claims. (Cl. 178—44.)



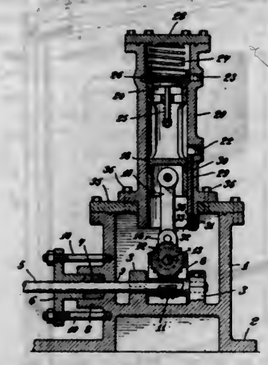
1. In a carrier frequency transmission system, in combination an alternating current source, a repeating transformer having its primary connected with said current source, a pair of circuits resonant to the carrier frequency and containing each one half of the secondary of said repeating transformer and a capacity, a double acting key in connection with the arrangement to connect alternately the one or the other of said pair of resonant circuits with a transmission line.

1,634,061. SKATER'S ARTICLE. WILLIAM W. WARNER, Middletown, Ohio. Filed June 22, 1926. Serial No. 117,858. 10 Claims. (Cl. 208—183.)



1. As a new article of manufacture, a protector for skate shoes and the like having an inner face bearing a heat insulating material, and comprising a soleless upper provided with a continuous bottom edge, and securing means at the front and center portions of its bottom edges for retaining said bottom edges adjacent the sole of a skate shoe.

1,634,062. COMPRESSOR APPARATUS. WILLIAM WILSON, Brooklyn, N. Y. Filed Apr. 28, 1926. Serial No. 105,273. 3 Claims. (Cl. 230—27.)

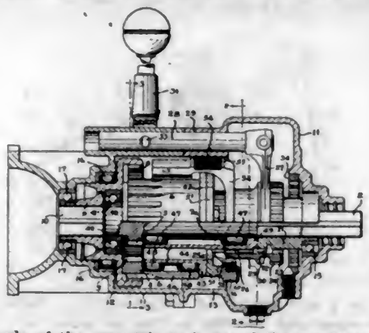


1. In a compressor apparatus, the combination of a compressor cylinder and a gear casing, said cylinder being suitably attached to and opening into said casing; said cylinder containing suitably situated suction and discharge pipe openings, and communicating channels contained within and forming an integral part of the said cylinder wall, and positioned between said suction pipe openings and the interior of said casing, each of said channels containing a one-way valve, whereby the fluid is permitted to flow from said casing towards said suction pipe openings.

1,634,063. TRANSMISSION GEARING. CHARLES E. F. AHLM, Cleveland, Ohio. Filed Oct. 16, 1924. Serial No. 743,911. 7 Claims. (Cl. 74—34.)

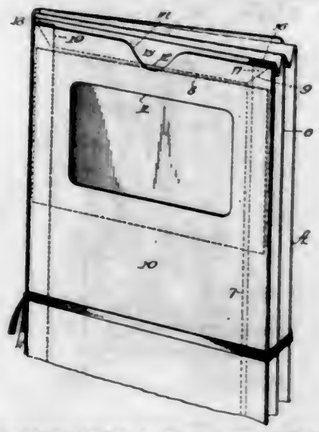
1. In combination a driving member and a driven member, a relatively stationary casing therefor, a pinion on the driving member, a revolving and circulating composite internal-external gear, an internal gear meshing with the external portion thereof and having a driving connection with the driven member, an eccentric bearing for the internal external gear, a dental clutch for connecting the eccentric with the casing to hold the bearing stationary and for connecting the eccentric bearing with the driving member to cause it to rotate therewith, and means including a centrifugal brake having counterweight

carried by and overhanging the eccentric bearing for counterbalancing said eccentric and for causing the rela-



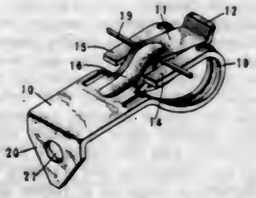
tive speeds of the eccentric and one of the members with which it connects to approach zero before being clutched together.

1,634,064. FILE WALLET. EUGENE F. AHLQUIST, Minneapolis, Minn., assignor to Gaw-O'Hara Envelope Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 20, 1926. Serial No. 96,155. 5 Claims. (Cl. 129—1.)



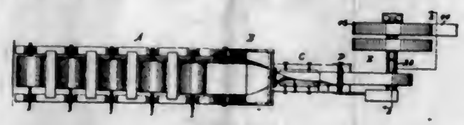
1. A file wallet having a member comprising the top, one side, and the bottom thereof, flanges on said member at the top and one side integral with one another, the top flange having a diagonal fold at its juncture with the side flange at the corner, a front wall having side flanges bent inwardly against the side flange of said member, and the ends of the side flanges of the front wall lying beneath portions of the top flange of said member.

1,634,065. CONNECTER FOR ELECTRICAL CONDUCTORS. EDMUND R. BARANY, Brooklyn, N. Y. Filed Mar. 14, 1925. Serial No. 15,478. 7 Claims. (Cl. 173—209.)



7. A connecter for electrical conductors comprising a base portion, a part extending forwardly from the base portion and having its extremity bent outwardly, a second part extending forwardly from the base portion and having its end looped back toward the base portion and lying alongside of the first-named forwardly-extending part.

1,634,066. PROCESS OF TREATING TUBING AND APPARATUS THEREFOR. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Jan. 19, 1925. Serial No. 3,437. 16 Claims. (Cl. 93—82.)



1. The process which consists in coiling tubing, having an adhered longitudinal seam, before the adhesive has set, with the seam side of the tube outward and supporting the coil from its axis while the adhesive is setting.

1,634,067. PROCESS AND APPARATUS FOR FORMING TUBES. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Jan. 19, 1925. Serial No. 3,438. 15 Claims. (Cl. 93—20.)



10. In apparatus for forming multi-ply tubes, means to feed a plurality of sheets of material into contacting superposed stepped relation to each other against the underside of a guide roller, means to apply adhesive to the stepped edges of the sheets beneath said roller, and means for folding upward and inward the edges of the superposed sheets to form a multi-ply tube.

1,634,068. CARRYING MECHANISM FOR ACCOUNTING MACHINES. JOSEPH BOYER, Detroit, Mich., assignor to Burroughs Adding Machine Company, a Corporation of Michigan. Filed Jan. 13, 1926. Serial No. 80,945. 14 Claims. (Cl. 235—137.)

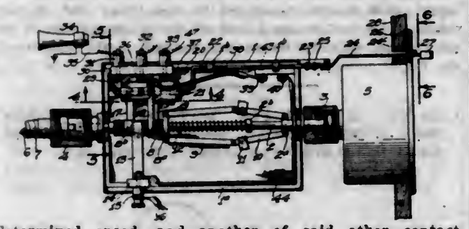


1. The combination in a carrying mechanism of a carry arm, an actuating lever for said arm, a latch for said lever, and a single means for actuating both the lever and the latch.

1,634,069. VEHICLE SPEED-LIMIT INDICATING AND CONTROL MEANS. LEE ROY CONDRAY, San Diego, Calif. Filed Nov. 12, 1924. Serial No. 749,566. 8 Claims. (Cl. 175—355.)

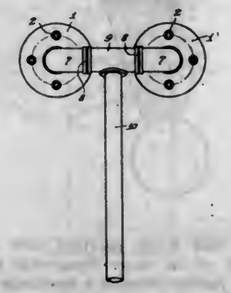
1. In a speed indicating and controlling means, a shaft, a centrifugal governor mounted on said shaft, a rotor reciprocally mounted on said shaft and controlled in its reciprocal movement by said governor and provided with an annular contact portion, a shiftable contact brush positioned in engagement with said rotor and adapted to be engaged by the contact portion thereof, a signal means connected with said contact brush, a lever means

connected with said contact brush adapted to variously shift the same relatively to the contact portion of said rotor, other contact brushes positioned in engagement with said rotor, one being positioned in engagement with the contact member of said rotor and adapted to be disconnected therefrom when said shaft is rotated at a pre-



determined speed, and another of said other contact brushes being adapted to be engaged by the contact member of said rotor when said shaft is rotated at said predetermined speed, and an electro-magnet controlled butterfly valve of a fuel supply means connected with said last mentioned contact brush.

1,634,070. DOOR-HOLDING DEVICE. STEPHEN FRONRATH, Detroit, Mich. Filed Jan. 20, 1923. Serial No. 613,851. 1 Claim. (Cl. 292—338.)



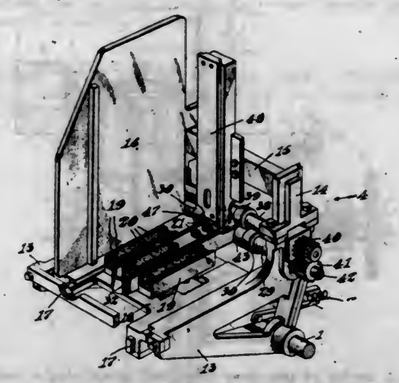
A door holding device comprising spaced apart socket members in a horizontal plane, elbows connected to said socket members and arranged with confronting ends in the same plane as the socket members, a connection between the confronting ends of said elbows, and a depending leg having its upper end pivotally supported by said connection and adapted to be swung upwardly at an inclination to the perpendicular.

1,634,071. REMOVABLE STOCKING SUPPORTER FOR LADIES' GARMENTS. PHILIP KUTZIK, New York, N. Y. Filed Mar. 22, 1926. Serial No. 96,422. 3 Claims. (Cl. 241—1.)



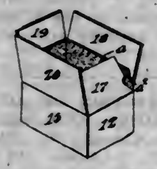
1. In a lady's garment of the character described channeled tabs provided along the lower edges, bands adapted to be passed through the tabs, means to secure the free ends of the bands loosely around the legs and a plurality of garter supports carried with the bands one adjacent each side of each of said tabs.

1,634,072. FLAT-FEED MECHANISM. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed July 6, 1925. Serial No. 41,611. 12 Claims. (Cl. 271—44.)



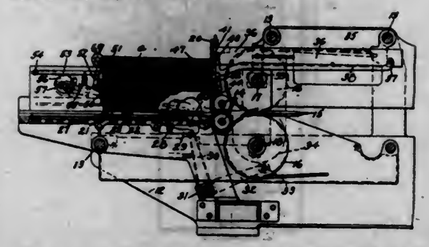
1. A blank feeder including in its construction a flat feeder mounted to reciprocate uniformly in a single plane, and means for preventing contact of any blank with the feeder during movement of the latter in non-feeding direction.

1,634,073. REENFORCED AND LEAK-TIGHT PAPER BOX. ELIE W. LABOMBARDE, Nashua, N. H. Filed Mar. 13, 1924. Serial No. 698,905. 1 Claim. (Cl. 229—49.)



A paper box blank cut and creased to provide foldable flaps and having strips of tough tear-resisting reenforcing material extending across the crease lines of the flaps, the entire areas of said strips being lightly glued to the blank whereby any portions of said strips may be pulled away from the blank without tearing the blank or the strips.

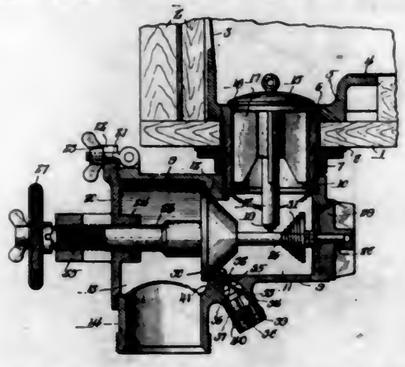
1,634,074. FEEDER FOR SHEET MATERIAL. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Nov. 30, 1925. Serial No. 72,293. 5 Claims. (Cl. 271—44.)



1. A blank feeder having a hopper provided with an outlet at its front, means for forwarding blanks flatwise and singly from the bottom of a pile in the hopper

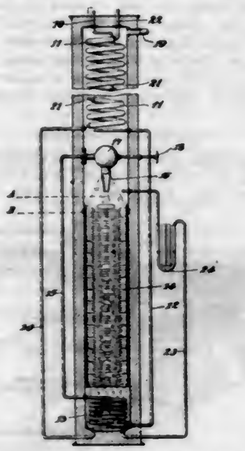
through said outlet, and means having a four motion operation for urging edge portions of the blanks downward, said urging means being located close to said front outlet.

1,634,075. VALVE. OLAF LARSEN, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1926. Serial No. 144,481. 5 Claims. (Cl. 277—1.)



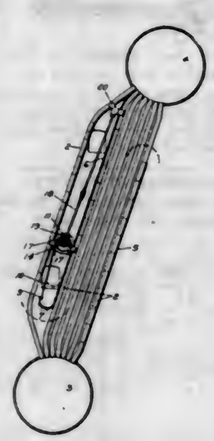
5. A device of the class described, comprising a casing having a chamber with an inlet opening and an outlet opening and with an auxiliary opening intermediate of said inlet and outlet openings, valves controlling said inlet and outlet openings operable upon longitudinal axes in angular relation to each other, said valves having portions thereof extending into said chamber, one of said valves being operable with a screw movement and having a spiral cam on its extended portion adapted to operatively engage the extended portion of the other of said valves, and a valve normally closing said auxiliary opening having a portion extending into said chamber for engagement by one of said first mentioned valves whereby said auxiliary valve is opened when said inlet and outlet valves are closed.

1,634,076. LIQUEFACTION OF AIR AND SEPARATION INTO OXYGEN AND NITROGEN. EUGENE GEORGE LUENING, Chicago, Ill. Filed Nov. 3, 1924. Serial No. 747,402. 2 Claims. (Cl. 62—122.)



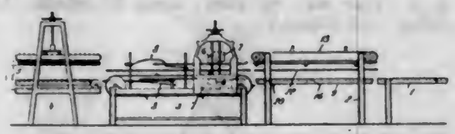
1. An apparatus for liquefying air and separating it into oxygen and nitrogen, which includes a liquid column of very much greater height than diameter, an air liquefying coil at the lower end of the column, means for delivering liquid air from said coil to the column at a point close to the upper end of the latter, means within the liquid column for preventing convection currents in the liquid, said means also retarding the upward movement of bubbles from the surface of said coil through the liquid, and means connected to the lower end of the column and to the upper end of the column adjacent to said liquid delivery means for indicating the height of the liquid column.

1,634,077. BAFFLE FOR WATER-TUBE BOILERS. DANA H. MAYO, Detroit, Mich. Filed July 3, 1925. Serial No. 41,373. 12 Claims. (Cl. 110—98.)



1. A water tube boiler provided with an adjustable baffle composed of an upper immovable portion and a lower movable portion forming a positively connected extension thereof, said movable portion being adapted to be raised and lowered towards and from the immovable portion to vary the gas circulation area.

1,634,078. CARTON-HANDLING APPARATUS. MALCOLM MCFAULL and ARTHUR E. RIDEOUT, New York, N. Y., assignors to Standard Sealing Equipment Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1924. Serial No. 733,510. 1 Claim. (Cl. 93—2.)

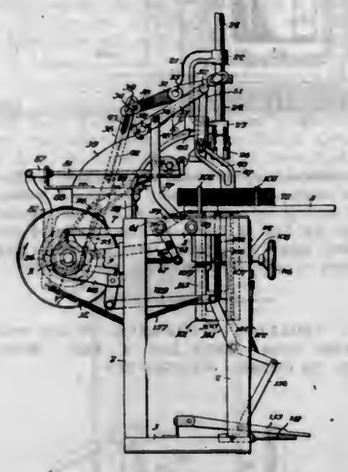


Carton handling apparatus of the class described comprising a support for filled unsealed cartons including conveyer rolls arranged in two parallel longitudinally extending sections, each of said sections being discontinued at different points lengthwise of the support, a dividing member extending longitudinally between said roll sections and offset laterally at said respective discontinuities so that the widthwise extent of said supporting sections falls short of the center opposite said discontinuities, and means for moving the carton along said support centrally positioned with respect to the width of the support, whereby upon passage of a carton over said discontinuities the outer bottom flaps of said cartons are permitted to swing into open position.

1,634,079. PROCESS OF MANUFACTURING WALL BOARDS COMPOSED OF RICE HULLS AND PLASTER. TSUNEGORO NISHI, Tokyo-Fu, Japan. Filed Sept. 4, 1925, Serial No. 54,548, and in Japan Nov. 20, 1924. 3 Claims. (Cl. 18—47.5.)

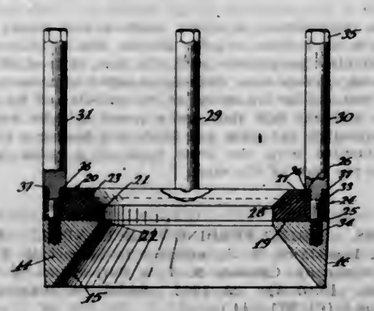
1. The process of manufacturing wallboards composed of rice hulls and plaster in which, after crushing the rice hulls into slender pieces, the same are mixed with plaster and lime, the mixture then being pressed in a mould and thereafter dipped in water.

1,634,080. ENVELOPE MACHINE. ALBERT OLGAY, Glen Ellyn, Ill., assignor to Gaw-O'Hara Envelope Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 26, 1925. Serial No. 11,656. 6 Claims. (Cl. 93—61.)



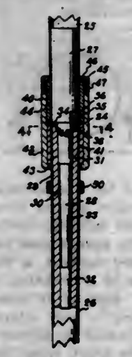
1. In an envelope window applying machine, a magazine for holding and supplying window patches including, a receptacle open at the top and bottom, means at the bottom edge of said receptacle for releasably retaining said patches, a relatively fixed head within said receptacle, rigid members connected to the top of said head and having portions extending above the top of said receptacle, and springs connected between the extended portions of said members and the sides of said receptacle.

1,634,081. VALVE-SEAT RETAINER. GEORGE E. PUTNAM, Fullerton, Calif. Filed Sept. 7, 1926. Serial No. 133,850. 7 Claims. (Cl. 251—167.)



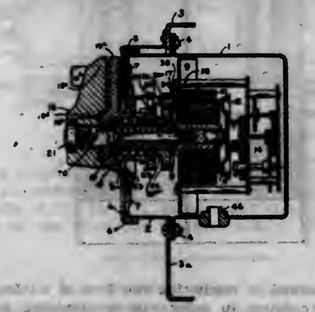
1. A valve having a metal valve seat support with a flat upper face, a rubber valve seat member resting upon the flat upper face, a ring tightly fitting upon the valve seat member, an annular plate extending inwardly from the upper edge of the ring and fitting upon the outer portion of the valve seat member, a flange extending downwardly from the inner edge of the annular plate into a groove extending downwardly from the upper face of the valve seat member, the ring, the flange and the annular plate being formed integral, and screw means inserted downwardly through the annular plate through the rubber valve seat member and screw seated in the metal valve seat support so as to hold the valve seat member from expanding and so as to hold the valve seat member from stretching or moving inwardly.

1,634,082. GOLF CLUB. CHARLES RIGBY, Cincinnati, Ohio. Filed Dec. 6, 1926. Serial No. 152,853. 4 Claims. (Cl. 273—80.)



1. A golf club comprising a handle section and a head section, means at the proximate ends of said sections securing said sections together comprising a tapered shank extending from one of said sections and received in a tapered bore in the other of said sections forming a wedge connection between said sections, means interposed between said sections for arresting relative rotation between said sections, and a rotatable sleeve received over the adjacent ends of said sections, said sleeve and said sections provided with complemental means respectively for drawing said sections together and for dissociating said tapered shank and the wall of said tapered bore by rotations of said sleeve in opposite directions.

1,634,083. TIMER FOR ELECTRICALLY-OPERATED DEVICES. EDWIN A. RUTENBER, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 24, 1924. Serial No. 708,740. 14 Claims. (Cl. 200—38.)



1. The combination with a clock movement and a main spring for actuating the same, of a clutch connecting said movement and spring, a winding device connected with

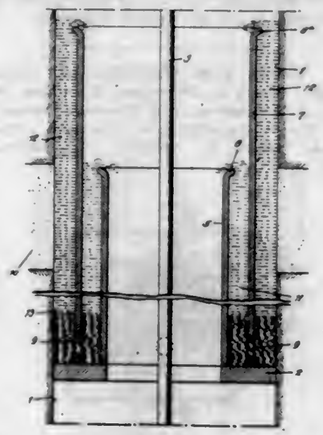
the spring for winding and unwinding the same, electric terminals arranged to be moved into and out of contact to close and break an electric circuit, an operative connection between said spring winding means and one of said terminals whereby movement of the former will operate the latter, a second device for operating an electric terminal, and a connection between the same and the winding device whereby the two may be moved in unison by the spring under the control of the clock movement, said last named connection permitting independent movement of the two connected members.

1,634,084. SUPPORT. JOHANNES RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Oct. 24, 1923, Serial No. 670 540, and in Sweden Oct. 25, 1922. 7 Claims. (Cl. 122—510.)



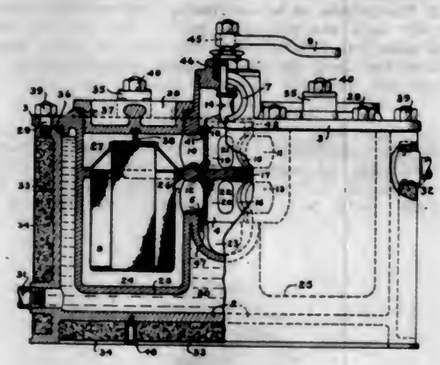
1. Supporting means for a structure comprising a fixed support, a second support spaced from the fixed support and comprising a part adapted to be attached to the structure and means to permit said part to move toward or away from the fixed support, a third support spaced from the fixed support in a direction at an angle to that at which the second support is spaced from the fixed support and comprising a part adapted to be attached to the structure and means to permit the last-mentioned part to move toward or away from the fixed support and a fourth support spaced at an angle from the fixed support with respect to the second and third supports, and comprising a part adapted to be attached to said structure and having movement in all directions with respect to said fixed support.

1,634,085. OIL-WELL REGULATION METHOD AND MEANS. JOSEPH F. RYAN, Chicago, Ill. Filed July 13, 1925. Serial No. 43,350. 14 Claims. (Cl. 166—21.)



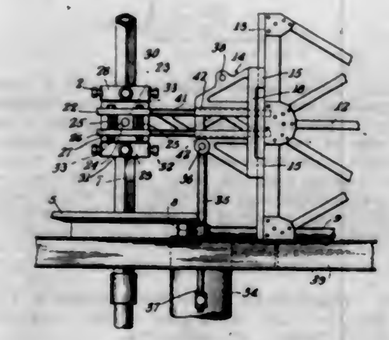
12. The method of regulating the flow of oil from oil wells which consists in constantly maintaining an hydraulically balanced protective covering of oil on the surface of the oil producing strata whereby the pressure of said oil covering retards the escape of gas from said strata.

1,634,086. STRAINER. EUGENE M. SCOVILLE, Milwaukee, Wis., assignor of one-half to Floyd L. Swanberg, Pittsburgh, Pa. Filed Sept. 13, 1924. Serial No. 737,633. 10 Claims. (Cl. 210—191.)



7. In combination, a casing, a strainer within said casing, a seating bushing fixedly positioned within said casing, a control valve rotatable within said bushing for regulating the flow of liquid to and from said strainer, and resilient means cooperating with said valve and with said bushing to urge the former against the latter.

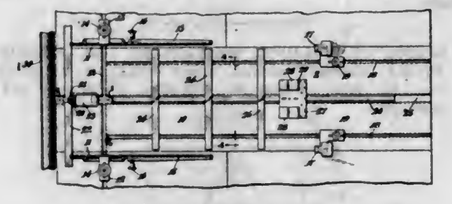
1,634,087. DRILLING APPARATUS. WALDO SHELDON, Greenwich, Conn. Filed Aug. 4, 1923. Serial No. 655,742. 20 Claims. (Cl. 255—22.)



1. In combination, a rotary table having means for driving a drill stem, a guide at one side of the table in substantial parallelism with the line of feed of the drill stem, a cross head slidingly engaged with the guide at one end and having means at its opposite end for connection with the drill stem and a power cylinder mounted intermediate the table and guide and having a piston rod connected with the cross head at a point intermediate the ends of the same.

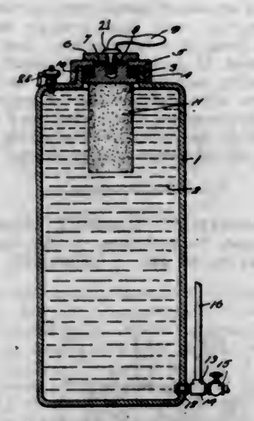
1,634,088. SHEET-FEEDING MECHANISM. KARL SIEG, Brooklawn, N. J., assignor to Samuel M. Langston Company, Camden, N. J., a Corporation of New Jersey. Filed Apr. 23, 1926. Serial No. 104,010. 9 Claims. (Cl. 271—44.)

1. A sheet feeding mechanism including a stack support, a reciprocatory member movable along said support and having a transverse bar for engaging with the lowermost sheet intermediate of the ends of the latter, and a part for engagement with the rear edge of the lower-



most sheet whereby during the movement of said member in one direction the sheet is advanced and the weight of the stack is in part supported by the member.

1,634,089. CARBONATING APPARATUS. THOMAS B. SLATE, New York, N. Y., assignor, by mesne assignments, to International Patents Fiscal Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 12, 1924. Serial No. 685,890. 4 Claims. (Cl. 220—29.)

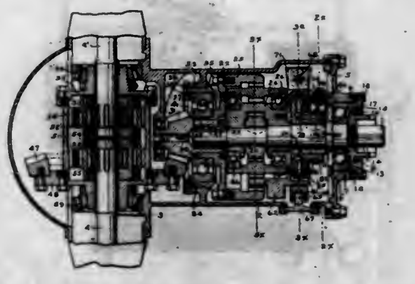


1. In a carbonating apparatus, the combination of a container formed with an opening surrounded by a neck affording an inner bearing surface, an airtight closure device adjustably secured to the neck of the container and having an inwardly projecting annular flange, said closure device including spaced members and a resilient ring interposed between the spaced members of said closure, the outer of said spaced members bearing upon the outer face of said annular flange and said resilient ring bearing on the inner face of said annular flange, whereby to provide a closure device adapted to withstand a high pressure from within the container to permit of carbonating the contents of the container by means of carbon dioxide snow.

1,634,090. DI-ACYLACETYL-ARYLENEDIAMINE AND PROCESS OF MAKING SAME. ARTHUR ZITSCHER and ROBERT SCHMITT, Offenbach-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed May 15, 1923. Serial No. 639,215. 5 Claims. (Cl. 260—124.)

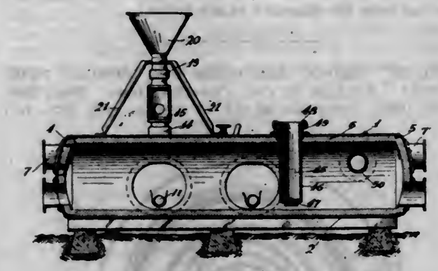
1. A process of making di-acylacetyl-arylenediamines consisting in heating acylacetic acid esters with arylenediamines.

1,634,091. VARIABLE-SPEED GEAR FOR MOTOR VEHICLES. JOHN BETHUNE, Rochester, and JACOB G. VAN ROO, deceased, Rochester, N. Y., by Elizabeth F. Van Roo, executrix, Rochester, N. Y., assignors to Twin High Transmission Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 10, 1926, Serial No. 147,576, and in Canada Jan. 14, 1926. 11 Claims. (Cl. 74—34.)



1. In a variable speed gearing for motor vehicles, the combination of a driving shaft, a driven member, a gear mounted on the driving shaft to turn therewith, an internal external gear engaged by the first mentioned gear, an eccentric bearing for said internal external gear revolubly mounted on said driving shaft, frictional means for connecting said bearing member to the driving shaft to rotate therewith, means for holding said bearing member against rotation when said frictional means is released, and a gear operatively connecting the internal external gear with the driven member.

1,634,092. SULPHUR BURNER. HENRY BLUMENBERG, Jr., Los Angeles, Calif., assignor to Stockholders Syndicate, Los Angeles, Calif., a Corporation of California. Filed Oct. 16, 1925. Serial No. 62,928. 13 Claims. (Cl. 23—278.)

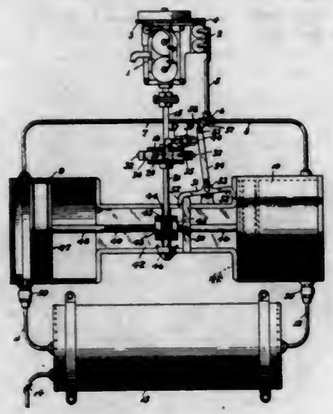


1. A sulphur burning furnace comprising in combination an elongated furnace, a feeder stack located on the side of the furnace, an air inlet at one end and an outlet at the other end for the products of combustion.

1,634,093. AIR COMPRESSOR. VICTOR E. CLARK, Grand Rapids, Mich. Filed June 15, 1925. Serial No. 37,028. 6 Claims. (Cl. 230—32.)

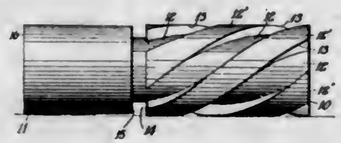
1. In combination, an engine, an air compressor driven by the engine, two cylinders, means for alternately delivering compressed air from the compressor to said

cylinders, and means directly driven by the engine operating in said cylinders to further compress the air



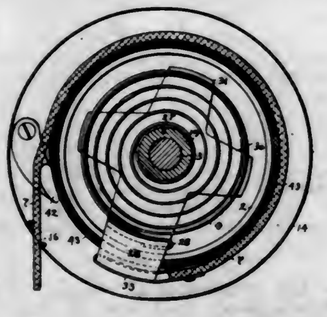
therein, said means compressing the air in one cylinder while compressed air from the compressor is being delivered to the other cylinder.

1,634,094. TUBE-CLEANING PROJECTILE. GEORGE C. COOK, Millington, N. J., and JOHN A. COLEMAN, Woodhaven, N. Y. Filed Feb. 20, 1926. Serial No. 89,562. 4 Claims. (Cl. 15—104.06.)



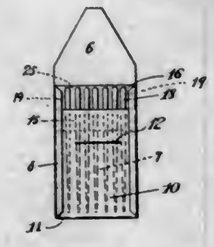
1. A tube cleaning projectile, comprising a substantially cylindrical unitary member, solely of resilient material, having a helically grooved entrance portion and a head or sealing portion, the diameter of the former being not less than the diameter of the latter.

1,634,095. SHOCK ABSORBER FOR SPRING VEHICLES. WILLIAM G. COX, Cleveland, Ohio. Filed Mar. 15, 1926. Serial No. 94,753. 7 Claims. (Cl. 267—10.)



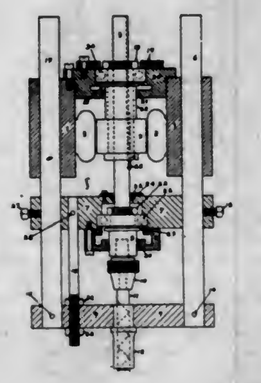
1. A shock absorber for spring vehicles, comprising a cylindrical body having a flange provided with radial projections, a friction belt having a retriever spring within said body, and a cover for said parts having a passage for the belt, said cover also having interlocking bayonet-lock connections with said radial projections permitting rotation of the cover while locked to said body.

1,634,096. ENVELOPE CONTAINER FOR TOOTHPICKS. GEORGE DOSCHER, Mount Vernon, N. Y. Filed Dec. 16, 1926. Serial No. 155,126. 3 Claims. (Cl. 206—20.)



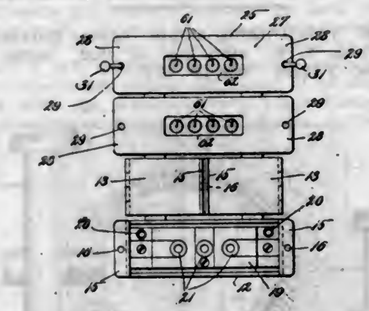
1. As a new article of manufacture, an envelope of the character described made from a single integral paper blank in the form of a substantially, long narrow rectangle weakened at a plurality of parallel transverse lines and bent on said lines to form an envelope having a pocket at its upper entrance portion between the back and front of the envelope, said pocket being of less depth than the envelope and being provided at its bottom with a plurality of spaced perforations as and for the purposes set forth.

1,634,097. MORTISING MACHINE. ALBERT VANDERFORD EDWARDS, Hackettstown, N. J. Filed Nov. 29, 1926. Serial No. 151,449. 2 Claims. (Cl. 144—78.)



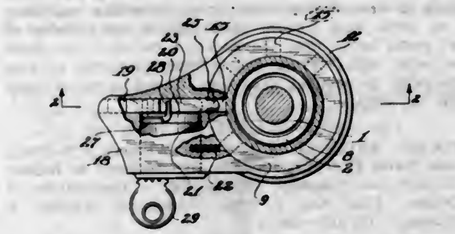
1. In a hollow chisel mortising machine, the combination of a frame, having mounted thereon, the stator of an electric motor, a hollow sleeve, having mounted thereon, the rotor of an electric motor and carried by a bearing mounted in the said frame, a spindle, having a chuck at one end and free to slide in said hollow sleeve, means of rotating said spindle from said hollow sleeve, with a slide in said frame, a crossbar on said slide, having a bearing for said spindle, means of adjusting said crossbar on said slide and means of clamping said crossbar to said slide.

1,634,098. ELECTRIC METER AND THE MOUNTING THEREOF. FREDERIC W. ERICKSON, Larchmont, N. Y. Filed Apr. 15, 1926. Serial No. 102,341. 8 Claims. (Cl. 247—2.)



1. The combination with a hollow receptacle having doors adapted to be sealed closed or to be opened to project in alinement with the sides of the receptacle, of an electric meter having side portions removably engaging said doors when the latter are open.

1,634,099. AUTO LOCK. LOYD R. FULTON, Los Angeles, Calif. Filed Feb. 4, 1924. Serial No. 690,509. 2 Claims. (Cl. 70—129.)



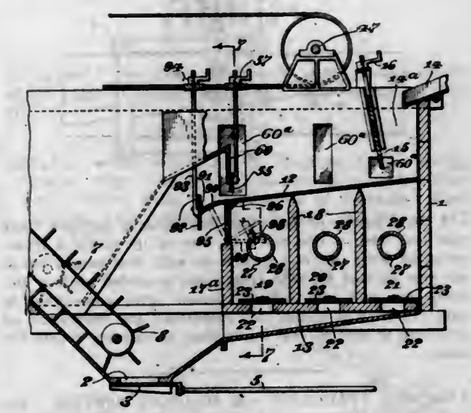
1. An automobile lock comprising a locking ring adapted to be rigidly fastened to a steering wheel hub, a second locking ring adapted to be rigidly fastened to a steering post against the first ring, a housing ring encircling the two locking rings and attached to one of the locking rings, a lock casing carried by the housing ring, a locking bolt carried by the lock casing and having two locking heads, the locking rings having holes to receive the heads, and a cylinder lock in the casing for operating the locking bolt, so that when the locking heads are extended the two locking rings are locked together, thereby locking the steering wheel to the steering post.

1,634,100. TREATMENT OF ZINC-BEARING ORES AND METALLURGICAL PRODUCTS. HERBERT WILLIAM GEPP, HARRY HEY, and GILBERT RIGG, Melbourne, Victoria, and ROYALE HILLMAN STEVENS and ROWLAND THOMAS DRYLL WILLIAMS, Risdon, Hobart, Tasmania, Australia, assignors to Electrolytic Zinc Company of Australasia Limited, Melbourne, Victoria, Australia. Filed July 30, 1923, Serial No. 654,775, and in Australia Aug. 1, 1922. 13 Claims. (Cl. 23—125.)

1. A method for the treatment of zinc-bearing ores which comprises mixing the said orea with sulphuric acid and subjecting said mixture to a furnacing operation wherein hot gas containing a substantial amount of sulphur dioxide from an external source is brought into contact with the mixture.

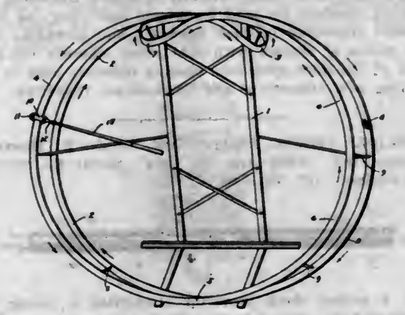
1,634,101. PULSATING JIG. MAXIMILIAN S. HACHITA, Wilkes-Barre, Pa. Filed Nov. 15, 1923. Serial No. 674,904. 1 Claim. (Cl. 209—496.)

In a coal jig, the combination of a chamber for receiving the coal with impurities intermingled therewith for washing and separating the same, the said chamber having a bottom provided with openings extending therethrough, a breast plate and adjustable gate at the rear end of said chamber, the said bottom extending rearwardly and beyond the plane of the said breast plate and gate, a stop plate adjacent the rear edge of the said bottom, a compartment situated underneath the said bottom, the rear wall of the said compartment being in substantially the same plane as that of the said breast plate and gate, the upper portion of said wall comprising a



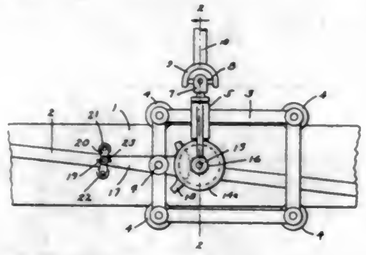
gravity controlled gate which is adapted to open outwardly upon pressure from within, and means for intermittently and controllably supplying water to the said compartment, the water from the compartment being adapted, in the event of the impurities and coal banking too high against the breast plate and gate, to re-act against the said gravity controlled gate to open the same whereby water is adapted to flow upwardly through the portion of the said bottom beyond and rearwardly of the plane of the said breast plate and gate, substantially as described.

1,634,102. MECHANICAL GOLF INSTRUCTOR AND EXERCISER. JOHN HANSEN, Bettendorf, Iowa, assignor of four twenty-fifths to William H. Martin, ten twenty-fifths to T. S. Cunningham, and one twenty-fifth to Thomas McQuarrie, Davenport, Iowa. Filed Dec. 23, 1926. Serial No. 156,658. 4 Claims. (Cl. 273—35.)



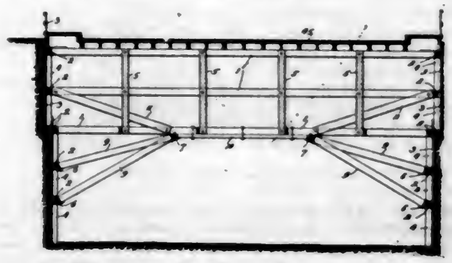
1. A device of the class described, comprising a pair of substantially circular tracks, and golf stick guide slidable thereon, said tracks being provided at their upper sides with means for reversing the movement of said guide.

1,634,103. MECHANICAL GOLF INSTRUCTOR AND EXERCISER. JOHN HANSEN, Bettendorf, Iowa, assignor of four twenty-fifths to William H. Martin, ten twenty-fifths to T. S. Cunningham, and one twenty-fifth to Thomas McQuarrie, Davenport, Iowa. Filed Dec. 29, 1926. Serial No. 157,751. 5 Claims. (Cl. 273—35.)



1. In a device of the class described, a suitable track provided with a cam-track on one of its faces, a frame provided with rollers operable on said first-named track, an arm carried by said frame and provided with a follower for said cam-track, a pivotal stick connection in said frame, and means for imparting the movement of said arm to said pivotal connection, to suitably rotate the same.

1,634,104. TIMBERING OR BRACING SYSTEM. ERNEST A. HERRICK and THOMAS LEONARD MACBEAN, New York, N. Y. Filed Mar. 21, 1925. Serial No. 17,208. 2 Claims. (Cl. 61—41.)



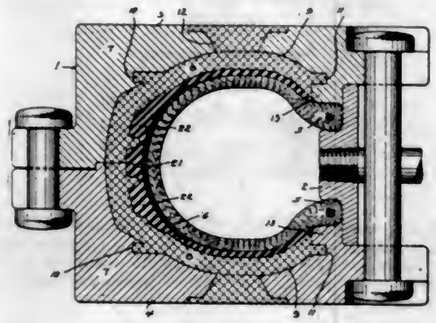
1. A bracing means for the sides or banks of an excavation comprising transverse timbering disposed between said sides, longitudinally disposed timbering and bracing members for said transverse timbering and longitudinal timbering inclined inwardly and upwardly from the points of contact with said sides, whereby the pressure of the sides upon said bracing members aids in supporting said transverse and longitudinal timbering.

1,634,105. CHECK PROTECTOR. STEN E. HOFFMAN, Gary, Ind. Filed Apr. 19, 1924. Serial No. 707,559. 2 Claims. (Cl. 101—98.)



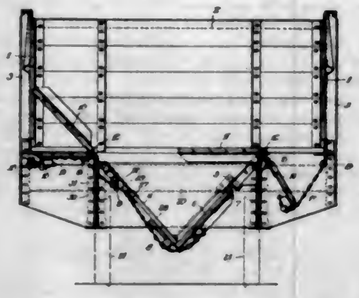
1. A pocket check protector comprising a casing provided with a cover adapted to receive a check between the casing and cover and to produce an impression upon the check by the closing movement of the cover, a plurality of movable type bars slidable along the base of said casing, a slidable inking pad superimposed above said type bars but normally remaining out of contact with the same, means for moving said type bars to permit a selection of characters for an impression upon said check, and means for moving said inking pad forwardly and then downwardly into engagement with said selection of characters.

1,634,106. VULCANIZING MOLD. ERNEST HOPKINSON, New York, N. Y. Filed Apr. 18, 1922. Serial No. 555,294. 1 Claim. (Cl. 18—47.)



A tire vulcanizing mold having a plurality of complementary sections whose opposed faces are hollowed out to define a molding cavity of the shape of a vulcanized casing in cross-section, each of said sections consisting of an outer hard metallic shell and an inner lining of cast metal softer than the metal of the shell, the inner and outer edges of the lining being protected by ribs flush with its molding face and of hard metal integral with the shell.

1,634,107. RAILWAY DUMP CAR. WILLIAM J. HOSCEIT and DAVID HINDAHL, Chicago, Ill., assignors to Rodger Ballast Car Company, Chicago Ill., a Corporation of Maine. Filed Nov. 1, 1923. Serial No. 672,058. 6 Claims. (Cl. 105—243.)

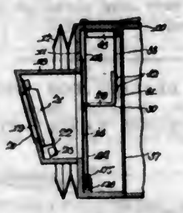


1. In a dump car, in combination, a cross tie, longitudinal sills, walls between said sills forming a hopper, one of said walls including a sheet metal plate at the upper part of said wall, said sheet metal plate being offset at its lower portion to form a shoulder adapted to receive and support the remainder of said wall, said sheet metal plate extending to a region adjacent to the top of its corresponding longitudinal sill, and an operating shaft in the angle between said plate and said corresponding sill.

1,634,108. CONCERTINA OR ACCORDION. ROBERT C. LEPPERT, Chicago, Ill. Filed Feb. 10, 1926. Serial No. 87,335. 2 Claims. (Cl. 84—376.)

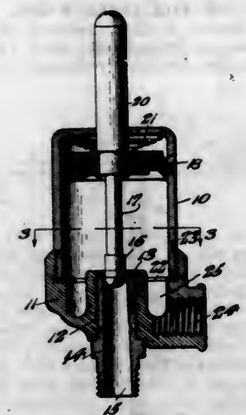
1. In a musical instrument of the class described, the combination with an end-box, of a bellows secured to one end thereof, a wall located between the bellows and

said box having an air-passage-way therein and an opening on each side of said way, a controlling valve hingedly mounted on the rear portion of said wall to close said air-passage-way, means to automatically close said valve and means for manually opening the same, said last named means consisting, of an elbow shaped member having one of its arms adjustably connected to the said valve, a link longitudinally adjustably secured to the other arm of said member and having at its free end an open ended slot, a guide mounted longitudinally on the inner surface of the top of the instrument to co-act with



the slot of said link for guiding the same in its movement, a spring actuated plunger rod mounted longitudinally with respect to the instrument in the said box for contact with said link, and a push pin mounted in the front wall of said box in alignment with the plunger rod and extended through said wall, said push pin having means to retain it in retracted position, said last named means being located at one side of the push pin to prevent its accidental operation when other parts of the instrument are manipulated.

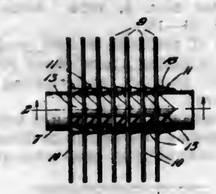
1,634,109. LUBRICATOR. JOHN FRANKLIN MACINDOE, East Falls, Philadelphia, Pa. Filed Dec. 31, 1925. Serial No. 78,597. 5 Claims. (Cl. 184—45.)



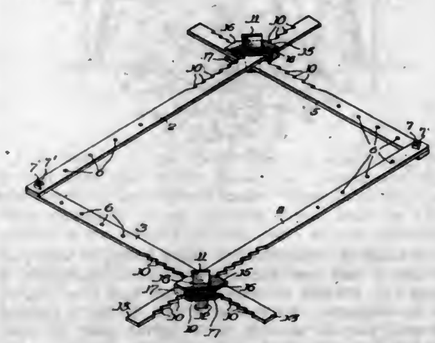
1. In a lubricator, a container for lubricant provided with a discharge passage, a valve member for controlling said passage, a plunger slidably mounted within said container and connected to said valve member, means holding said plunger under pressure to eject lubricant from said container by way of said passage, and means to introduce lubricant into said container between said plunger and the inlet to said discharge passage.

1,634,110. RADIATING DEVICE. PATRICK J. MCINTYRE, Detroit, Mich., assignor to Wolverine Tube Company, a Corporation of Michigan. Filed Mar. 17, 1926. Serial No. 95,284. 2 Claims. (Cl. 113—116.)

1. In a device of the type set forth, a pipe, and fins having normally tapered sleeves surrounding the pipe and held thereon by friction solely with the sleeves of the fins having their free ends forced one within the other at the posterior end of the next adjacent, said sleeves being slitted to form independent segments whereby the end of one sleeve pinches the ends of the segments of the adjacent sleeve binding the latter tightly onto the pip.

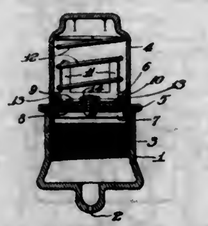


1,634,111. COLUMN CLAMP. CHARLES LOUIS MEYER, Omaha, Nebr., assignor to Concrete Engineering Company, Omaha, Nebr., a Corporation of Nebraska. Filed July 24, 1926. Serial No. 124,628. 9 Claims. (Cl. 144—291.)



1. In a clamp of the character described, intersecting arms, teeth formed in the edges of the outer ends of said arms, the toothed edge of one arm opposed to the toothed edge of the other arm, a member adapted to embrace said arms adjacent but outwardly of the point of intersection of their axes and means cooperative with said member and said toothed edges of said arms for urging the outer ends of said arms apart.

1,634,112. GREASE CUP. KNOWLTON D. MONTGOMERY, Lansdale, Pa. Filed July 17, 1926. Serial No. 123,084. 3 Claims. (Cl. 184—45.)



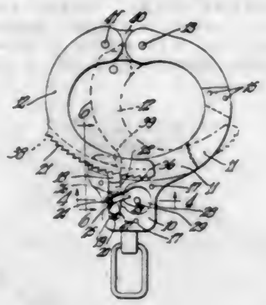
1. In a grease cup, a chambered body portion having a discharge outlet, a cap in threaded engagement with said body portion, a plunger within said cap and a spring connected at its forward end to said plunger, said plunger having formed from it rearwardly extending spaced guide members to maintain alignment of said spring.

1,634,113. FOOD PRODUCT AND METHOD OF MAKING SAME. ALLIBELLE HAZARD MOORE, Kansas City, Mo., assignor of one-half to Victor L. Phillips, Kansas City, Mo. Filed Sept. 4, 1924. Serial No. 735,871. 7 Claims. (Cl. 99—10.)

2. The process of preparing a food product which includes the steps of baking a raw cereal product containing bran to form granules, and treating the granules with a cooked syrup.

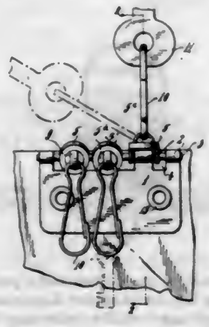
6. A baked cereal food product in the form of granules, each granule consisting of adhering particles of bran and Graham flour in substantially equal proportions.

1,634,114. HANDCUFF. JOHN J. MURPHY, Norwich, Conn., assignor, by mesne assignments, to Peerless Handcuff Company, a Corporation of Massachusetts. Filed Feb. 24, 1924. Serial No. 690,068. 9 Claims. (Cl. 70—24.)



1. A handcuff, comprising, a frame having a body portion and a fixed arm outwardly extending therefrom, a locking arm adapted to cooperate with said fixed arm to form an embrasure for the wrist and having a toothed segmental portion movable in a curved path in close proximity to said body portion, a key retractible locking device mounted in said body portion to engage the teeth on said locking arm, means connecting said arms so that the locking arm is free to swing in said curved path and to move bodily away from said locking device, and means for confining the segmental portion of the locking arm to movement in said curved path except when it has been moved toward said fixed arm beyond normal wrist embracing position.

1,634,115. KEY HOLDER. ISIDOR NEWMAN, New York, N. Y. Filed Apr. 10, 1926. Serial No. 101,036. 5 Claims. (Cl. 150—40.)



1. A key retainer comprising a bar, supporting means for the bar, heads journaled to rotate upon the bar and provided with end openings, disks journaled within the heads and having loops projecting through said openings, the openings in the heads being wider than the loops to permit the latter to be pushed through the openings, the heads having inwardly extending flanges at the openings, the disks being of greater diameter than the openings and the loops and opposing the flanges to rotatively retain the disks on the heads and prevent the disks from being pulled through the openings, and key retaining members movably connected with the loops, whereby the heads and the keys may swing on the bar as an axis, the disks and the keys may be rotated axially and the members with the keys may swivel on the loops when the device is retained in the hand.

1,634,116. FOOT BEARING FOR SHOES. WILLIAM HENRY NICKERSON, Brookline, Mass. Filed Jan. 13, 1926. Serial No. 81,075. 1 Claim. (Cl. 36—76.)



A foot bearing for shoes comprising an insole divided or split edgewise from its heel end through its shank portion to form a bottom layer, a displaceable top layer, and an undivided forepart, each layer including a heel and a shank portion; a molded longitudinal arch supporter interposed between the layers, and a resiliently compressible supplemental arch supporter engaged with the forward end of the longitudinal supporter and formed to support a metatarsal arch, the top layer covering and conforming to the two supporters.

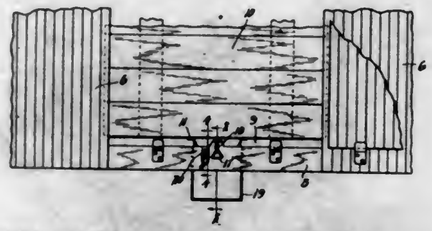
1,634,117. COVER FOR TIMER WIRES. WILLIAM J. PETERSON, Minot, N. Dak., assignor of one-half to Oscar H. Larson, Minneapolis, Minn. Filed Apr. 3, 1922. Serial No. 549,182. 7 Claims. (Cl. 200—19.)



3. The structure set forth in claim 2, and a cover enclosing said disks and holding them in fixed relation.

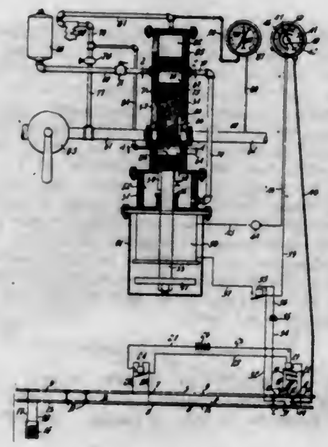
1,634,118. GRAIN-CAR STRUCTURE. JOHN P. POLNASZEK, Minneapolis, Minn., assignor of one-half to Andre L. Pinet, Robbinsdale, Minn. Filed Apr. 19, 1926. Serial No. 102,844. 3 Claims. (Cl. 105—239.)

1. In a freight car having the usual doorway adapted to receive a grain door, said car having a floor opening immediately adjacent said doorway, a delivery chute extending downwardly and outwardly from said floor opening, a gate horizontally movable across said opening and outwardly from the doorway of said car, means for normally holding said gate inwardly in closed position, and means for opening said gate from without said car,



whereby material in the car pressing against the grain door may be withdrawn to permit the grain door to be removed.

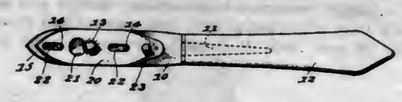
1,634,119. AUTOMATIC TRAIN-CONTROL DEVICE. GEORGE H. SANBORN, Malden, Mass. Filed Apr. 24, 1923. Serial No. 634,355. 7 Claims. (Cl. 246—182.)



1. A train control device comprising, in combination, a track, a train upon said track, a relay upon said train electrically connected to said track, a solenoid upon said train, an electric circuit upon said train opened and closed by said relay and embodying therein an auxiliary source of electric supply connected to said solenoid, a casing embodying therein a pressure chamber, a cylinder communicating with said pressure chamber, a train pipe communicating with said cylinder, a piston within said cylinder and embodying therein an exhaust valve for said train pipe, said solenoid being operatively connected to said piston and adapted to close said exhaust valve, means rendered effective by the breaking of an electric circuit to actuate said piston to open said exhaust valve, a fluid pressure reservoir and means to conduct pressure fluid from said reservoir to said pressure chamber beneath said piston to move the latter and close said exhaust valve.

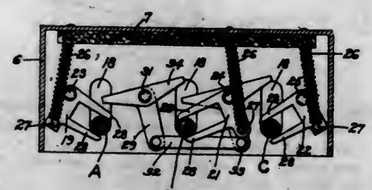
1,634,120. INK ERASER. GEORGE SCHRADE, Bridgeport, Conn. Filed Jan. 5, 1926. Serial No. 79,847. 1 Claim. (Cl. 120—39.)

An eraser comprising a head member having a headed stud and guide pin upon one side thereof, a removable eraser blade adapted to fit against the side of the head and having holes to receive the headed stud and the pin, attachable relatively thin spring clamping member normally bent longitudinal and also provided with openings to receive the stud and pin and adapted to be deflected and slid on the blade to engage the underside of the



headed stud under tension in a manner to be secured thereby to clamp the blade by resilient engagement of its end portion with said blade.

1,634,121. INTERLOCKING SWITCH MECHANISM. JOHN E. SEDERHOLM, St. Paul, Minn., assignor to American Hoist & Derrick Co., a Partnership composed of F. J. Johnson and W. O. Washburn, Ramsey County, Minn. Filed Aug. 2, 1924. Serial No. 729,807. 7 Claims. (Cl. 200—50.)



1. A device of the class described comprising three pivoted knife-edge switch levers first, second and third, said levers normally alined at one throw limit, the levers being swingable to an opposite throw limit in planes parallel to one another through small arcs of substantially equal length and in the same direction, a first rockable element having an extension arranged across the path of the first lever, a second rockable element having extensions arranged respectively across the paths of the first and second switch levers, said rockable elements having a common pivot, a third rockable element having extensions across the paths of the second and third switch levers, said first and third rockable elements being connected for movement in unison, and spring controlled pivoted elements engaging the switch levers to hold the same at either throw limit and to snap the levers to those limits after movement has been manually initiated.

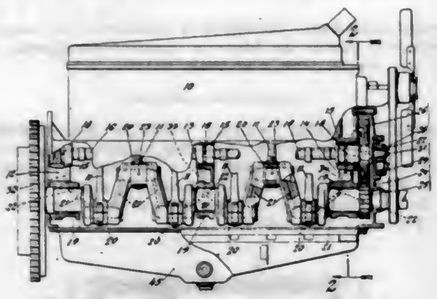
1,634,122. METHOD OF PRODUCING SODIUM FLUORIDE. EARL P. STEVENSON, Newton, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1921, Serial No. 506,360. Renewed Dec. 1, 1926. 2 Claims. (Cl. 23—88.)

2. A process for obtaining sodium fluoride from sodium fluosilicate which consists in decomposing the fluosilicate into sodium fluoride and hydrosilicic acid by treatment with a carbonate evolving carbon dioxide in the reaction, next treating the hydrosilicic acid with a caustic reagent to convert it into a soluble silicate, separating the alkali solution of the silicate from the sodium fluoride, and finally treating the filtrate with carbon dioxide to decompose the silicate and form a bicarbonate suitable for conversion into carbonate for re-use in the process.

1,634,123. OILING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. ALEX TAUB, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 12, 1923. Serial No. 680,177. 3 Claims. (Cl. 184—6.)

2. In a lubricating system for internal combustion engines and in combination with a crank shaft supported in bearings disposed one adjacent each end thereof and

in an intermediate bearing between said end bearings; a valve operating shaft supported in end and intermediate bearings, and having annular grooves at said bearings, and a passage extending longitudinally thereof and ports leading from said passage into said grooves and through which oil may flow from said passage to said valve

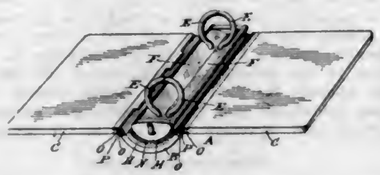


operating shaft bearings; separate and independent oil supply conduits leading one from each valve operating shaft bearing to a crank shaft bearing; and an oil supply pump comprising a rotatable member mounted directly upon one end of said valve operating shaft and arranged to discharge oil into and through the passage aforesaid extending along said valve operating shaft.

1,634,124. METHOD OF THICKENING AND STABILIZING LATEX AND PRODUCT. MERWYN C. TEAGUE, Jackson Heights, N. Y., assignor to American Rubber Company, East Cambridge, Mass., a Corporation of Massachusetts. Original application filed June 9, 1924, Serial No. 719,015. Divided and this application filed Sept. 30, 1925. Serial No. 59,595. 10 Claims. (Cl. 18—50.)

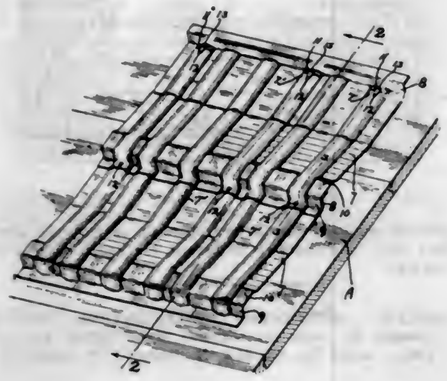
3. The process of treating latex which comprises thickening the continuous phase and stabilizing the latex by the addition thereto of the ammonium-base soap of a higher aliphatic acid, without substantial modification of the colloidal condition of the rubber hydrocarbon.

1,634,125. LOOSE-LEAF BINDER. CLARENCE D. TRUSSELL, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a Corporation of New York. Original application filed Jan. 31, 1919, Serial No. 274,337. Divided and this application filed Dec. 13, 1920. Serial No. 430,581. 14 Claims. (Cl. 129—4.)



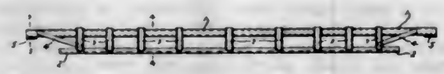
8. A cover for a loose-leaf binder comprising cover members consisting of a back and sides, having interengaging hinge members whereby they are hinged together, the cover sides each formed of leather-like material, the hinge members being substantially within the thickness of the cover sides.

1,634,126. SHINGLE. RUDOLPH K. TYRA, Minneapolis, Minn., assignor to F. L. TYRA, Minneapolis, Minn. Filed Dec. 4, 1924. Serial No. 753,830. 1 Claim. (Cl. 108—17.)



A shingle in the form of a stamped sheet formed at its upper edge with an upstanding lap flange and at its lower edge with a downturned approximately L-shaped lap flange, said downturned lap flange of the one shingle being arranged to overlap the upstanding upper flange of a lower shingle, the said shingle having a raised ridge extending above its lower lap flange and said shingle having longitudinal corrugations extending from its upper lap flange through the raised ridge and to said lower lap flange, and the upper lap flange of said shingle being also approximately L-shaped, adapting the L-shaped upper and lower flanges of adjacent shingles to be overlapped and nested, said shingle at its lower portion, just above its lap flange, having an opening through which the prong of an anchoring device may be projected as and for the purposes set forth.

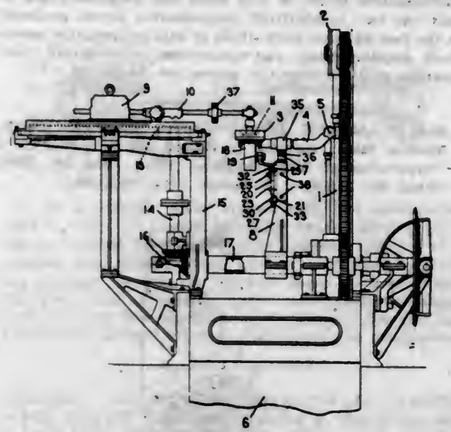
1,634,127. STRUCTURAL-STEEL JOIST. NORMAN WAGNER, Hamilton, Ontario, Canada. Filed Mar. 1, 1926. Serial No. 91,583. 2 Claims. (Cl. 189—37.)



1. A structural steel joist of the class described comprising, spaced apart top and bottom chords one of which has top and bottom flanges, and posts secured to said chords and constituting the entire web system over a portion of the joist, said posts rigidly secured to that chord having top and bottom flanges.

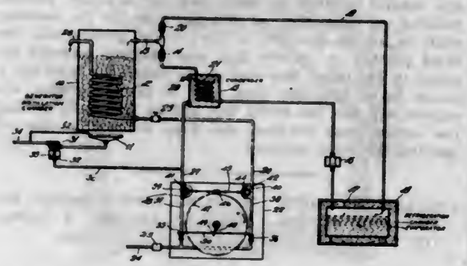
1,634,128. APPARATUS FOR MOLDING ARTICLES FROM PULP. BERT R. WILLIAMSON, Fairfield, Me., assignor to Keyes Fibre Company, Waterville, Me., a Corporation of Maine. Filed Aug. 16, 1926. Serial No. 129,372. 5 Claims. (Cl. 92—56.)

1. A machine for molding articles from pulp comprising a travelling mold having two mold members movable relatively toward and from each other and between which an article may be molded from pulp, a swinging arm on which one of the mold members is carried and by which it is moved toward and from the other mold member, a guide for controlling swinging movements of said arm as the mold travels, a pick-off member to remove a molded article from the swinging mold member, means to bring the pick-off into registry with the swinging mold member at a predetermined point in its travel, and



means other than the guide to position the swinging mold member at the time the pick-off is in registry therewith.

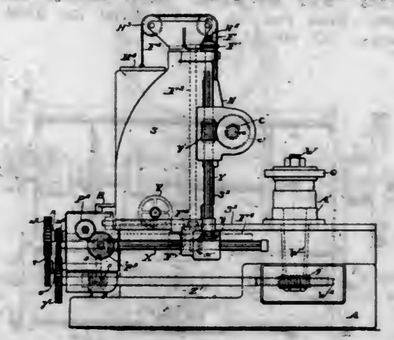
1,634,129. REFRIGERATION PROCESS AND APPARATUS. DANIEL J. YOUNG, Tacoma, Wash. Filed Oct. 20, 1925. Serial No. 63,624. 4 Claims. (Cl. 62,178.)



1. In a refrigeration process of the generating and absorption type, consisting of successive cycles, one cycle including the successive steps of heating an absorbent medium to expel a refrigerant therefrom and subsequently cooling said refrigerant by the use of a cooling fluid, the other cycle including the steps of expanding the refrigerant and subsequently absorbing the same in said absorbent medium with the use of the cooling fluid for said absorbent medium, the improvement which consists in using a measured volume of cooling fluid during each cycle, and alternating the cycles when a predetermined volume of said fluid has passed.

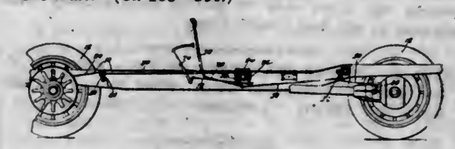
1,634,130. SIMPLIFIED HOBBER. WILLIAM F. ZIMMERMANN, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a Corporation of New Jersey. Original application filed Aug. 27, 1924, Serial No. 734,487. Divided and this application filed Jan. 17, 1925. Serial No. 3,021. 15 Claims. (Cl. 90—4.)

1. A balanced-drive hobbing-machine comprising a bed; a relatively heavy stanchion shiftably supported thereon; a work-supporting spindle non-shiftably journaled in said bed near one end thereof; a splined shaft and a parallel transmission shaft, each journaled on said bed transversely to said spindle; a pair of spur change gears connecting said two shafts; a splined transmission shaft journaled on said stanchion parallel with said spindle; a head slidable on said stanchion; a hob-supporting spindle on said head; a pair of angle gears connecting said hob spindle with said splined transmission shaft, one of said angle gears being splined to said shaft; a



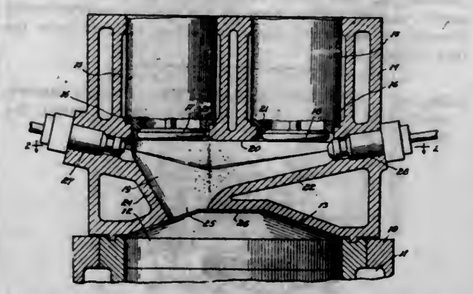
pair of angle-gears connecting said shaft to said first-mentioned shaft, one of said gears being splined to said first-mentioned shaft; and a pair of angle gears connecting said parallel transmission shaft with said non-shiftable work spindle.

1,634,131. VEHICLE HAVING FOUR-WHEEL BRAKES. DAVID E. ANDERSON, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 31, 1923. Serial No. 616,099. 3 Claims. (Cl. 188—106.)



1. A vehicle having, in combination, front wheel brakes, rear wheel brakes, two different devices for operating respectively said front and said rear wheel brakes, and a readily separable connection between said devices so that the front and rear wheel brakes may be operated either (1) together by either of said devices, or (2) independently of one another by said devices.

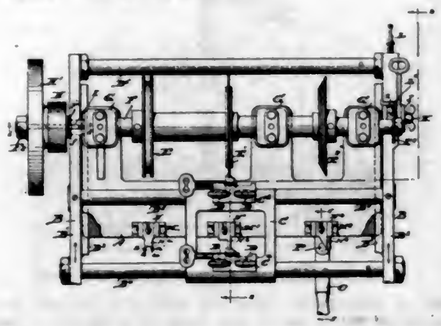
1,634,132. OIL ENGINE. OTTO A. BANNER, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 11, 1925. Serial No. 42,925. 6 Claims. (Cl. 123—32.)



1. In an oil engine the combination of a cylinder having a piston space and an elongated chamber extending transversely thereof, said chamber being deeper at one end than at the other, a restricted passage connecting said piston space and said chamber adjacent the deeper

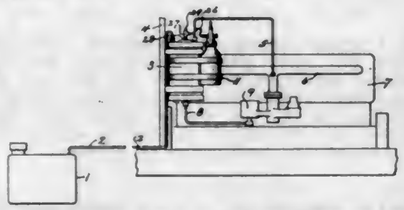
end thereof, and means for producing a plurality of impacting fuel sprays which meet in a zone in said chamber adjacent one side of said passage.

1,634,133. KEY MACHINE. HARRY BRISSER, Detroit, Mich. Filed Feb. 14, 1925. Serial No. 9,094. 5 Claims. (Cl. 90—13.2.)



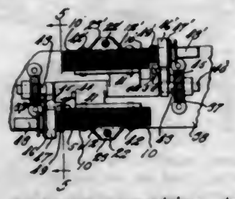
1. A key milling machine, comprising a shaft having cutters; a plurality of supports on which are positioned independently adjustable guides; a manually adjustable framoe movable transversely to the cutter shaft; a second frame hinged to and longitudinally slidable upon the first named frame and adapted to swing backwardly and forwardly to clear the guides and to position at the desired guide, and a manually operated swinging lever adapted to be detachably engaged with the hinged frame, whereby the latter may be shifted longitudinally with reference to the first named frame.

1,634,134. UPPER-CYLINDER OILER. CHARLES C. BOGARDUS, Los Angeles, Calif. Filed Nov. 16, 1926. Serial No. 148,641. 2 Claims. (Cl. 123—196.)



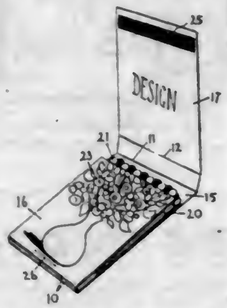
1. In combination with an internal combustion engine and a source of fuel supply therefor, of means including a vacuum tank operatively connected to said engine for transferring fuel from said source of supply to said engine, and means operated by the vacuum intermittently induced in said tank for introducing a liquid into the fuel in said tank.

1,634,135. IGNITION APPARATUS. PHELPS BROWN, Springfield, Mass. Filed Oct. 12, 1925. Serial No. 62,057. 20 Claims. (Cl. 123—149.)



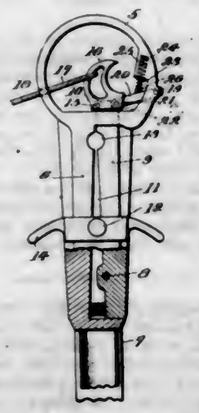
1. Ignition apparatus, comprising, two generating units including reciprocable armature flux changing means and means for operating the latter, each unit arranged for the production of an intermittent electromotive force on each stroke of said reciprocable means, controlling means arranged to time the production of the electromotive forces in said units one with the other so that the two intermittent electromotive forces produced in the two units on each stroke of said reciprocable means occur simultaneously, and connections between said units whereby said electromotive forces are merged.

1,634,136. MATCH BOOK. GEORGE FREDERIC CLARK, Boston, Mass., assignor to Boston Match Company, a Corporation of Massachusetts. Filed June 24, 1926. Serial No. 118,321. 2 Claims. (Cl. 206—29.)



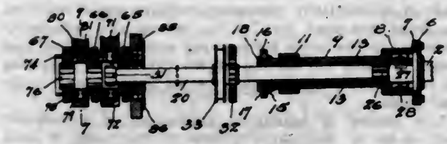
1. In a match book, the combination of a rectangular one-piece cover, folded into three substantially equal portions, a book of matches fastened at the junction of the central portion or back and an adjacent portion forming an inside flap, so that the heads of the matches shall be at the junction of the central portion and the third portion or outside flap, and igniting material secured to the inner free end of the outer flap whereby a match taken from the book may be placed between the outside flap and the inside flap and be ignited by pulling the match from between the flaps without danger of igniting the other matches.

1,634,137. HAYFORK. HARRY S. COLEMAN, Dayton, Pa. Filed Nov. 4, 1926. Serial No. 146,204. 9 Claims. (Cl. 294—130.)



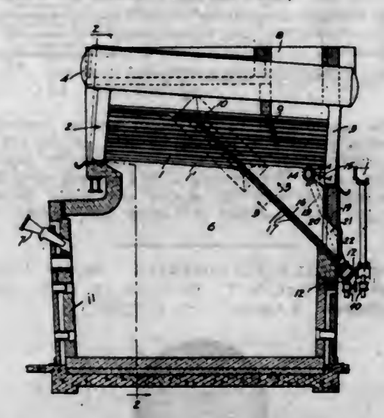
1. A locking mechanism for the jaws of a hay fork, comprising a trigger mounted upon the end of one jaw member, a ring carried by the other jaw member, a bolt bar pivotally connected to the trigger and the ring, and the end of said bar adapted to engage one jaw member, for the purpose described.

1,634,138. VARIABLE SPEED-TRANSMISSION MECHANISM. GEORGE W. DALLIMORE, Oakland, Calif. Filed Sept. 17, 1924. Serial No. 738,241. 4 Claims. (Cl. 74—59.)



1. In a variable speed transmission the combination with a series of loosely journaled spaced driving gears having co-axial hubs and locking members therein, of a slidable transmission shaft having complementary locking members thereon, an annular flange on each adjoining gear, and a bearing sleeve overlapping adjoining hubs, an outer bearing sleeve and a support therefor, and anti-friction devices between said flanges and said sleeves.

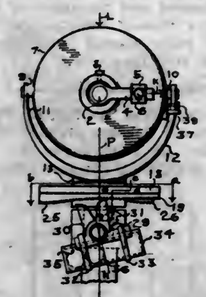
1,634,139. WATER-TUBE BRIDGE-WALL BAFFLE FOR STEAM BOILERS. EDWARD J. FRANKLIN, Salt Lake City, Utah. Filed July 7, 1925. Serial No. 41,963. 4 Claims. (Cl. 122—235.)



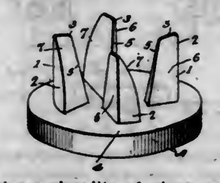
1. In a water tube boiler, in combination with a furnace having a combustion chamber, a bank of water tubes above said combustion chamber and connected for circulation of water therethrough, the lowermost row of said tubes having their rear end portions inclined downwardly and rearwardly to a position adjacent the rear wall of the furnace and in such position as to be clear of the remaining tubes of said bank, means connecting the rear ends of said lowermost row of tubes to the water circulating system, inclined refractory baffle means supported upon said inclined portions of said tubes and cooperating wtih the rear wall of the furnace to form a pocket below said remaining tubes for collection of solid material, and normally closed opening means in the wall of the furnace for permitting access to said pocket.

1,634,140. APPARATUS FOR IMPARTING OSCILLATING MOTIONS TO ROTATING FANS. JOSEPH N. GILBERT, Grand Island, Nebr. Filed July 3, 1926. Serial No. 120,452. 7 Claims. (Cl. 230—264.)

1. Means for imparting an oscillating motion to a spinning weight, comprising in combination a spinning axle, a second axle about which said spinning axle is rotatable, a weight unsymmetrically distributed in relation to the spinning axle and rigidly attached thereto, opposing means that oppose rotation of the spinning axle about said second axle, in clockwise direction only, a second opposing means that oppose rotation about said second axle in counter-clockwise direction only and reversing means alternating the said opposing means at fixed points in the arc of rotation about said second axle.

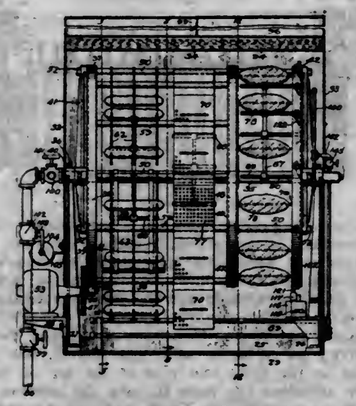


1,634,141. PUMP VALVE. WILLIAM R. HAMILTON, Dewey, Okla. Filed Mar. 7, 1922. Serial No. 541,812. 1 Claim. (Cl. 251—129.)



A valve having a plurality of wings, each of said wings being elongated in a substantial radial direction and having a plane side and an outer face substantially parallel to the axis of the valve, and the opposite side and inner face beveled and terminating in a sharp edge at the outer end, to cause the valve to turn on being engaged by a liquid, said opposite side being curved from the base to the outer end thereof in a substantially convex form.

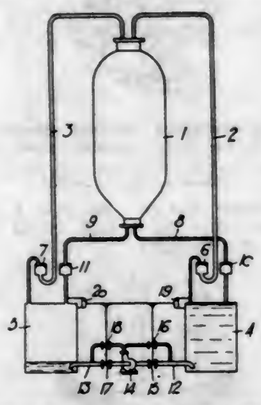
1,634,142. APPARATUS FOR TOASTING FOOD ARTICLES. ROBERT O. HAMMOND, Buffalo, N. Y., assignor to Stanley S. Jenkins, Buffalo, N. Y. Filed July 12, 1924. Serial No. 725,720. 7 Claims. (Cl. 126—41.)



1. An apparatus for toasting food articles comprising a movable carrier, and a holder for the food articles having a bottom part adapted to support said articles on the underside, front and rear parts extending upwardly from the front and rear ends of said bottom

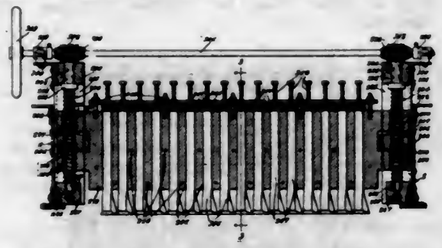
part for confining the food articles thereon and a hook detachably arranged at the upper end of said rear part and adapted to engage said carrier said front and rear parts being perforated and the space at two corresponding vertical edges thereof being unobstructed and the opposite vertical edges thereof being provided with inwardly projecting stop lugs.

1,634,143. MEANS FOR BOILING FIBROUS MATTERS. NILS KNUT FREDRIK HANSON, Stockholm, Sweden. Filed Mar. 11, 1926, Serial No. 93,986, and in Sweden Oct. 18, 1924. 2 Claims. (Cl. 92—7.)



1. An apparatus for treating fibrous matters in order to extract viscous substances therefrom comprising a digester, two receptacles, a connection between said receptacles, a pump mechanism in said connection adapted to pass a fluid in either direction through said connection, separate connections between each receptacle and the top and bottom of said digester, and back-pressure valves inserted in said last-mentioned connections.

1,634,144. PLANING OR SCARIFYING MECHANISM. FRED MERRILL HARGRAVE, Cedar Rapids, Iowa. Original application filed Sept. 15, 1925, Serial No. 56,508. Divided and this application filed Jan. 25, 1927. Serial No. 163,499. 7 Claims. (Cl. 262—10.)

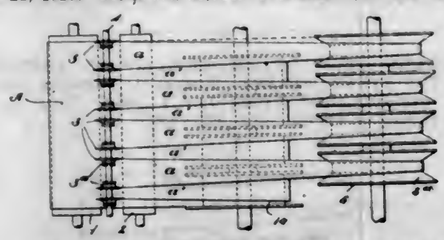


1. In a road building machine, a supporting structure, a non-rotating carrier arranged within, extending transversely of and having its ends connected therewith, a set of surface working tools mounted in the front and in the rear face of said carrier, said sets permanently disposed vertically, means detachably connected with and extending across the front and rear faces of the carrier for securing said sets thereto, and means mounted at the front and rear of the top of the carrier for adjusting the tools to vary the position thereof with respect to the road surface, the said last mentioned means providing for the independent vertical adjustment of each of the tools of each of the sets.

6. A planer or scarifying mechanism comprising a non-rotating carrier, a set of surface working tools mounted in the front and in the rear face of said carrier, each of the tools of each of said sets including an elongated vertically disposed shank, the shanks of each set arranged in parallelism, each of the shanks of each of the tools of each set merging at its lower end in a planer blade of substantially triangular contour, means abutting the front and rear face of the carrier and detachably connected to the latter for securing said sets thereto, and means mounted on the top of the carrier for adjusting the tools to vary the position thereof with respect to the road surface.

7. A planer or scarifying mechanism in accordance with claim 6, the planer blades of the tools of each set having cutting edges thereof arranged with the right end of a cutting edge of a blade of a set positioned directly behind the left end of the cutting edge of the next blade to the right of each set.

1,634,145. ART OF MAKING LAMINATED BELTS. EDGAR F. HATHAWAY, Wellesley, Mass. Filed Aug. 22, 1925. Serial No. 51,744. 3 Claims. (Cl. 154—4.)



1. The improvement in the art of making laminated belts which consists in severing a sheet of the belting fabric into relatively narrow strips longitudinally tapered from end to end, and winding such a tapered strip into a laminated coil with the narrow end inside, thereby producing a laminated belt of tapered cross section.

1,634,146. PLAY-BALL COVERING. BEULAH LOUISE HENRY, New York, N. Y. Filed Dec. 11, 1926. Serial No. 154,296. 3 Claims. (Cl. 273—58.)



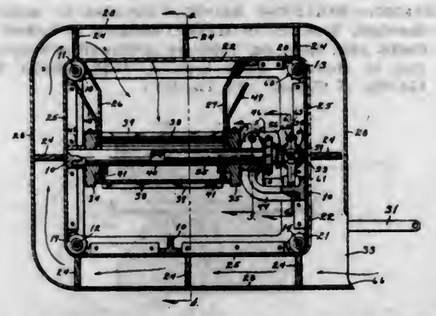
1. A play ball covering comprising two segmental gores, and a zonal gore connected between said segmental gores.

1,634,147. TRAP-NEST DOOR FOR POULTRY. ADOLPH R. HOEFT, Chicago, Ill. Filed Apr. 11, 1924. Serial No. 705,831. 12 Claims. (Cl. 119—49.)



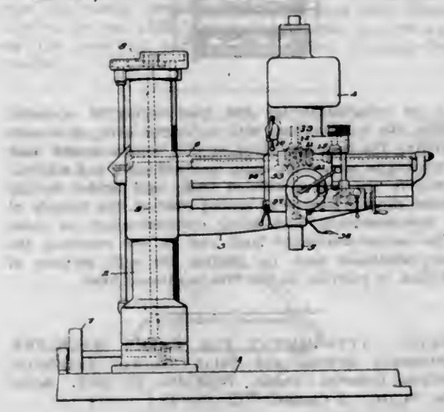
1. In a trap nest door, a swingable upper section having a fixed pivot, and a lower section interlocked with the first section so as at all times to be held in parallel relation thereto and slidable thereon, and pivot means for said second section movable from and toward said fixed pivot.

1,634,148. LOADING MACHINE. LOGAN JOHNSON, Centerville, Iowa. Filed Aug. 12, 1926. Serial No. 128,800. 6 Claims. (Cl. 198—7.)



1. A loading machine, comprising a frame, endless chains mounted for travel around said frame, a series of pick-up paddles fixed to said chains and extending transversely of the machine, an elevator mounted in said frame below the upper run of said endless chains, said elevator being arranged for adjustment of its inclination in either direction, and means for driving said elevator selectively in either direction.

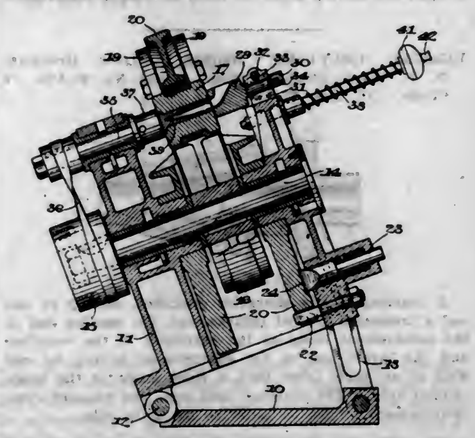
1,634,149. BRAKE MECHANISM FOR DRILL SPINDLES. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 21, 1925. Serial No. 17,306. 14 Claims. (Cl. 192—17.)



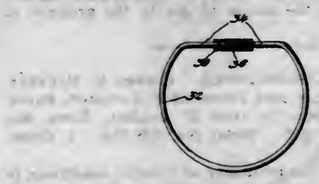
1. In a radial drill, a prime-mover; a spindle; a driving connection between the prime-mover and the spindle; means to disconnect the spindle from the prime-mover; and means to arrest the rotation of said spindle when it is disconnected from said prime-mover.

1,634,150. CONTINUOUS CENTRIFUGAL CASTING MACHINE. LOUIS T. KNOCKE, Waukesha, Wis. Filed Mar. 7, 1923. Serial No. 623,415. 9 Claims. (Cl. 22—65.)

3. In a centrifugal casting machine, a suitably mounted rotary mold having a central mold cavity, blocking means for blocking the opposite ends of the mold cavity, pouring means through which the mold cavity may be supplied with molten material while the mold is rotating between the blocking means, a casting ejector for forcing the casting out of the mold cavity while the mold is rotating, and means for shifting the position of the mold while it is rotating from its filling position between the blocking means to its ejecting position in register with the ejector.

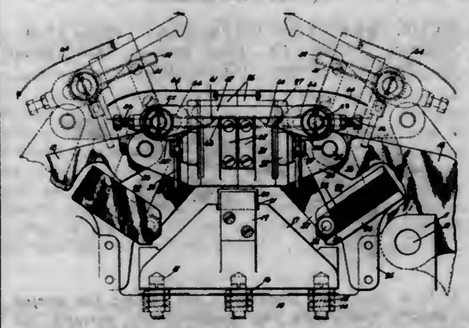


1,634,151. PISTON. JOHN D. LANNON and RALPH R. TODD, Pontiac, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 19, 1923. Serial No. 633,218. 2 Claims. (Cl. 94—108.)



2. A split bracing ring for a piston having one side flattened to bring its ends into alinement with one another, and a turn-buckle device adjustably connecting said ends.

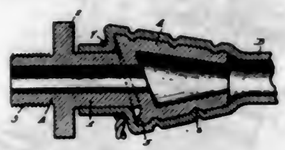
1,634,152. METAL-CASTING APPARATUS. CHARLES L. LEE and THOMAS C. VAN DEGRIFT, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 23, 1925. Serial No. 45,612. 12 Claims. (Cl. 22—154.)



1. In a casting machine comprising mold sections movable toward and from each other; an ejector movably mounted on each of said mold sections, and means for

temporarily connecting the ejector mounted on one section to the other section whereby the ejectors will operate to eject the casting when the mold sections are separated.

1,634,153. COUPLING. GEORGE C. LONG, Brooklyn, N. Y. Filed Feb. 27, 1926. Serial No. 91,186. 1 Claim. (Cl. 285—77.)



A coupling of the character described, having at one end a truncated conical enlargement, the smaller end of the enlargement being at the extremity of the coupling, and the larger end of the enlargement having its end wall at an angle other than a right angle to the longitudinal axis of the coupling, said wall also recessed conically inwardly from its outer to its inner edge.

1,634,154. PROCESS FOR TREATING LIQUIDS. CORNELIS LOURENS, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Algemeine Norit Maatschappij, known as General Norit Company, Limited, Amsterdam, Netherlands, a Corporation of the Netherlands. Filed Nov. 11, 1922, Serial No. 600,484, and in the Netherlands Nov. 14, 1921. 12 Claims. (Cl. 210—28.)

1. In a process in which a gaseous agent is caused to act upon a liquid material, the step of subjecting the liquid material to the action of gas in the presence of active carbon.

1,634,155. HOG CONDITIONER. ELBERT E. MCCARTY, CLARENCE C. DICUS, and THEODORE F. LANGKOP, Bunceton, Mo., assignors to Ovie E. Bradley, Elmo, Mo. Filed Oct. 12, 1923. Serial No. 668,194. 1 Claim. (Cl. 167—10.)

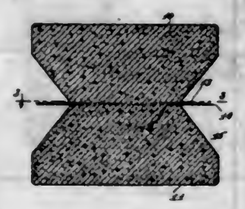
A compound for the treatment of necrotic conditions in animals comprising Areca nuts, sulphur, sodium bicarbonate, lime, common salt, Glauber's salt and cannel coal, the said constituents being in powdered form, the proportions of the Areca nuts, sulphur and sodium bicarbonate being approximately the same, the proportions of the lime, common salt and Glauber's salt each being slightly greater than the proportions of the Areca nuts, sulphur and sodium bicarbonate, and the proportion of the cannel coal being materially greater than the combined proportions of all of the other constituents of the compound.

1,634,156. MEASURING INSTRUMENT. HARRY C. MCCOMMON, Altoona, Pa. Filed July 3, 1926. Serial No. 120,419. 6 Claims. (Cl. 33—147.)



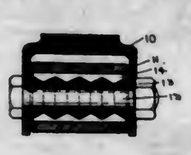
1. In a measuring instrument for testing the setting of gauges, comprising two independently movable elements presenting projecting gauging surfaces for convenient application of the gauge to be tested, micrometer means for adjusting one of these elements in definite spaced relation to the other one, so that the gauging surfaces of the two elements will be separated by a distance equal to a given desired dimension, and an indicating gauge having its operating stem rigidly fastened to the other element to give a measured indication of its movement relative to the adjusted position of the first named element.

1,634,157. BUILDING BLOCK. RAYMOND L. MORRIS, Honolulu, Territory of Hawaii, assignor to Lewers & Cooke, Ltd., Honolulu, Territory of Hawaii, a Corporation of Hawaii. Filed Sept. 8, 1926. Serial No. 134,263. 7 Claims. (Cl. 72—0.5.)



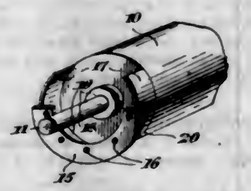
1. A building block including top and bottom faces and side faces and a plate projecting laterally from the side faces of the block, the edges of said plate being shaped to prevent the passage of ground-nesting termites or similar insect pests from the bottom to the top thereof.

1,634,158. ATTACHMENT OF MOTOR-VEHICLE ROAD SPRINGS. DOUGLAS ROBERTSON, Nuriootpa, Australia. Filed Jan. 6, 1926. Serial No. 79,621. 1 Claim. (Cl. 267—54.)



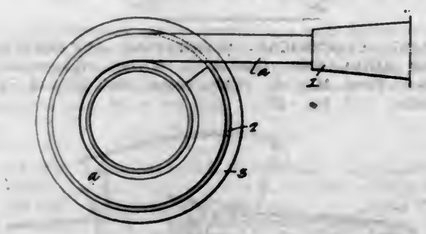
In an attachment for the road spring of a motor vehicle, the combination with a hinged bolt, of a bush encircling the bolt and fitted to said bolt, a second bush cylindrical in shape and split longitudinally and adapted to receive the first-mentioned bush, said bushes having circular threads located in spaced relation, the threads of the first-mentioned bush being complementary to those of the second-mentioned bush and an eye receiving the second-mentioned bush for holding the split sections of said bush in position on the first-mentioned bush.

1,634,159. ATTACHMENT FOR PAPER MACHINES. JEFFERSON SCHELL and ORIAN THOMAS PATTERSON, Ottawa, Ontario, Canada. Filed Jan. 27, 1926. Serial No. 84,230. 2 Claims. (Cl. 34—48.)



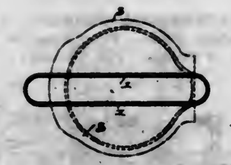
1. In a paper making machine the combination with a frame having suitable bearings therein and a roll having a spindle journalled therein designed to be supported in said bearings, of a plate rigidly mounted on the frame and formed with an extension conforming to the contour of the roll and designed to bridge the space between the end of the roll and the frame.

1,634,160. PROCESS OF MANUFACTURING INNER TUBES. CHARLES HERBERT SEMPLE, Youngstown, Ohio, assignor, by direct and mesne assignments, to Semple-Lee Processes, Inc., Akron, Ohio, a Corporation of Delaware. Filed Dec. 23, 1924. Serial No. 757,693. 4 Claims. (Cl. 18—53.)



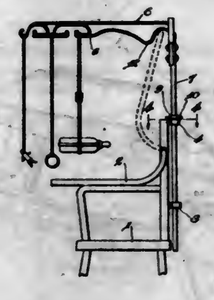
1. The method of making collapsible endless rubber tubes which comprises shaping hot rubber stock into a continuous tube of closed cross-sectional form, bending the tube in such cross-sectional form to approximately its final condition of longitudinal curvature before substantial cooling of the tube, the tube being bent by uniform progression of external bending forces along the tube without full-section internal support of the tube in the region of such forces, cutting successive lengths from the curved portion of the continuous tube, joining together the two ends of respective lengths, and vulcanizing the resulting endless tubes under internal fluid pressure.

1,634,161. INNER TUBE FOR AUTOMOBILE TIRES. CHARLES H. SEMPLE, Canton, Ohio, assignor to Semple-Lee Processes, Inc., Akron, Ohio, a Corporation of Delaware. Filed Feb. 3, 1926. Serial No. 85,735. 6 Claims. (Cl. 152—13.)



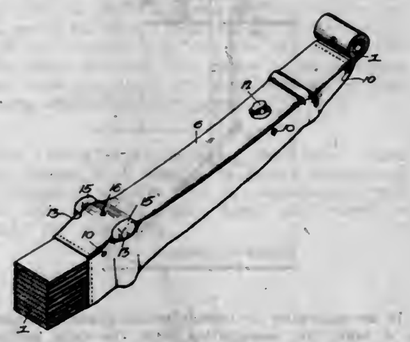
1. The combination of an inner tube and a tire casing therefor, said inner tube when in a deflated condition being of oblate cross-sectional form and having a greater outside diameter than the outside diameter of the tube cavity of the tire casing and a cross-sectional perimeter not greater than that of the tube-cavity of the casing, the construction of the tube at its inner periphery being such that by its resistance to outward pull of the side walls upon inflation of the tube, the tube will be caused to assume substantially the size and shape of the cavity before developing substantial binding pressure of the tube against the casing.

1,634,162. BRACKET. JOHN A. TESK, Chicago, Ill. Filed May 28, 1924. Serial No. 716,464. 3 Claims. (Cl. 155—188.)



1. In a device of the character stated, an upright, means for mounting the upright on a high chair for sliding and rotary adjustment, means for securing the upright in adjustment, a bracket extending from the upright, a member extending from the upright in parallelism with the bracket and adapted for reception of a swinging tray mounted on the chair when the tray is raised, and tray receiving and retaining members carried by the upright at opposite sides thereof and disposed at right angles to the first mentioned member.

1,634,163. SPRING BOOT. JOHN WARREN WATSON and RICHARD A. WATSON, Wayne, Pa. Filed Jan. 7, 1924. Serial No. 684,860. 1 Claim. (Cl. 267—37.)

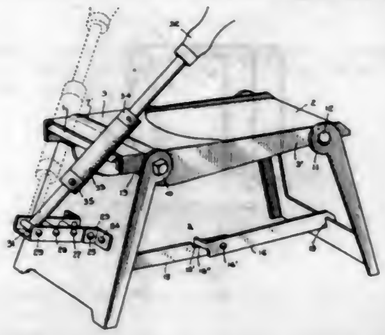


In a spring boot, the combination with a body member impervious to dirt and water and adapted to enclose the spring, of absorbent material attached to the inner side of the body member and adapted to rest against the top and sides of the spring, said body member and absorbent material having therein apertures for the projecting portions of a spring clip, an independent strip of material similar to that of the body member intermediate the latter and the absorbent member and overlying the said apertures, said strip being secured to the body member intermediate the said apertures to permit free passage of portions of the end sections thereof through the apertures in the body member.

1,634,164. KNEE CLAMP. AXEL M. WESTERBERG and JACOB M. SICKLE, New York, N. Y. Filed Dec. 23, 1926. Serial No. 156,623. 9 Claims. (Cl. 29—83.)

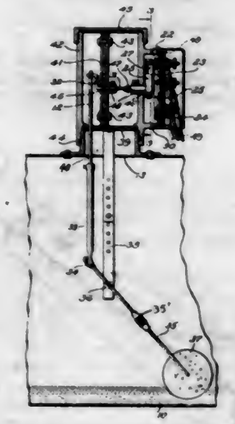
1. A foldable tool holding and edge finishing device comprising in combination a pair of relatively movable

jaws pivotally connected with each other, relatively movable supports for the device hingedly connected to



one of said jaws, the other of said jaws being freely disposed so that manual pressure may be applied thereto for clamping the tool in said jaws.

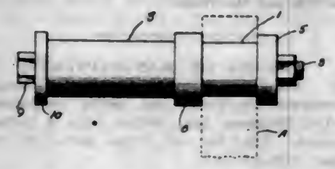
1,634,165. ELECTRIC GASOLINE GAUGE. WILLIAM EDWARD WILLIAMS, Roosevelt, N. Y. Filed Jan. 22, 1925. Serial No. 4,091. 1 Claim. (Cl. 73—82.)



In an apparatus for indicating the quantity of gasoline in a tank, the combination with the tank having an opening in the top wall thereof, of a housing detachably connected with the tank at its opening, removable partitions in said housing which combine with the walls of the housing to provide an airtight chamber therein, an adjustable bracket carried by one of said partitions, an adjustable float arm pivotally connected, with said bracket, a crank turnably supported by the other of said partitions and a wall of said housing, and an adjustable rod connected to said float arm and said crank.

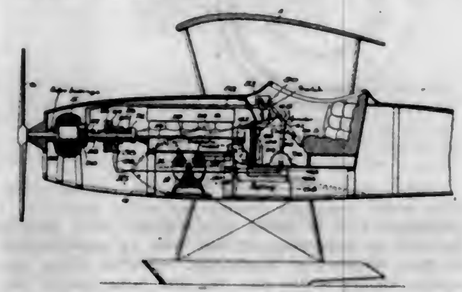
1,634,166. WRIST PIN. ORVIS C. WILLIS and OSCAR COX, Cotton Valley, La. Filed Oct. 2, 1926. Serial No. 139,218. 2 Claims. (Cl. 74—38.)

1. A wrist pin of the character described comprising a member including a body, a threaded projection formed on said body and being provided with a bore aligned with a bore in the body, a second member formed with threads on its interior surface and adapted to receive the threaded projection for associating said members in alignment, flanges formed on said members and together with the body of the first mentioned member provide a hub for receiving a crank, a washer and means passing through said bores, washer and the second member re-



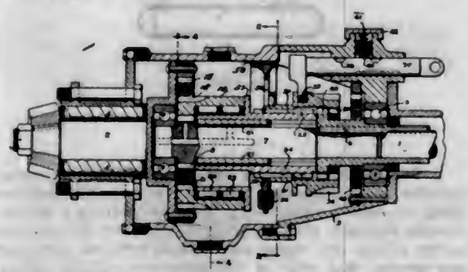
spectively for securing the washer against the outer end of the second mentioned member and cooperating with the threads for holding said members associated.

1,634,167. ELECTRICAL GENERATING APPARATUS FOR AIRPLANES. GEORGE A. WILSON, Greenwood, Miss. Filed May 6, 1926. Serial No. 107,234. 5 Claims. (Cl. 244—25.)



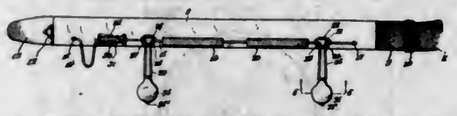
1. A prime mover comprising a gasoline motor having a crank shaft, a secondary mover comprising an electric motor having an armature shaft, a device to be driven being mounted upon the armature shaft, a mounting for the foregoing structures being set in motion by operation of said device, means operated by the motion of the mounting for generating and storing electrical current, a circuit embracing the electric motor and the current storage, said circuit having a switch capable of closure to operate the electric motor, and a clutch with an operating control therefor, having elements mounted upon continuous ends of said shafts permitting variable operation of said device by either the primary or secondary mover.

1,634,168. TRANSMISSION GEARING. CHARLES E. F. AHLM, Cleveland, Ohio. Filed June 30, 1924. Serial No. 723,153. 9 Claims. (Cl. 74—34.)



1. A driving and driven member, a pinion on the driving member, a composite internal external gear, an internal gear meshing with the external portion thereof, and having a driving connection with the driven member, an eccentric bearing for the internal external gear, a clutch for connecting the eccentric bearing with the driving member to cause it to rotate, a clutch member coacting with the first clutch member for preventing rotation of the eccentric bearing, and means for bringing the eccentric bearing to a stop before bringing the last mentioned clutch members together.

1,634,169. GARTER. MONTAGUE MOSELEY BEAR, Atlanta, Ga. Filed Nov. 29, 1926. Serial No. 151,465. 5 Claims. (Cl. 241—6.)



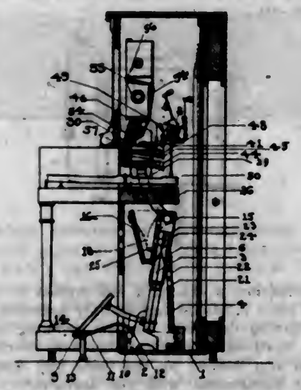
1. An improved garter comprising a web having securing means, a flexible loose cord secured to the web, means for forming loops in the cord, means whereby said loops may be enlarged and diminished, and hosiery clasps carried by said loops of the cord.

1,634,170. NURSING-BOTTLE NIPPLE. ARCHIBALD M. BROWN, Akron, Ohio. Filed Apr. 10, 1926. Serial No. 101,148. 3 Claims. (Cl. 128—252.)



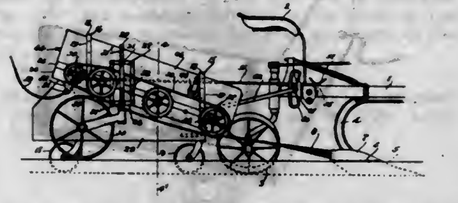
2. A nipple having the usual teat and provided in its side wall with an opening, a wedge-shaped flap integrally connected at its butt end to the wall of the nipple and having its smaller end normally overlying the inner end of the opening to seal the same and a second wedge-shaped flap overlying the first named flap and having its butt end secured to the wall of the nipple adjacent the smaller end of the first named flap.

1,634,171. PNEUMATIC PLAYER MECHANISM FOR MUSICAL INSTRUMENTS. THEODORE P. BROWN, Worcester, Mass., assignor, by mesne assignments, to Simplex Player Action Co., Worcester, Mass. Filed Sept. 5, 1923. Serial No. 661,092. 5 Claims. (Cl. 84—33.)



1. In a player for musical instruments, the combination with a valve mechanism for controlling a pneumatic player action, and a suction creating device, of a collapsible reservoir adapted to be exhausted by the operation of said suction creating device, said reservoir comprising a substantially rigid leaf and a movable leaf of material having marked resiliency as compared to said rigid leaf.

1,634,172. WEED ERADICATOR. FRANKLIN KING CARRICK, Rapid City, Manitoba, Canada. Filed Mar. 6, 1925. Serial No. 13,547. 3 Claims. (Cl. 97—10.)



1. A portable weed eradicating machine comprising a platform, an engine mounted thereon, opposing suitably supported spaced side walls positioned to one side of the platform, a set of spaced cross shafts rotatably carried by the side walls and extending therebetween, a further set of similar cross shafts alternated between the former shafts and rotatably mounted in the side walls, a driving connection between the engine shaft and one of the cross shafts, a driving connection between the latter cross shaft and the remaining cross shafts of the set containing it whereby the cross shafts of that set are rotated in the same direction and at the same speed, a driving connection between the said cross shaft and the cross shafts of the other set whereby the latter set of cross shafts are rotated in the same direction and at a different speed to the former set of cross shafts, outstanding teeth carried by all of the cross shafts, the teeth of adjacent shafts being in staggered relation and lapping, means for passing ploughed earth to the foremost teeth of the machine and with the top side of the ploughed earth uppermost and means disposed between the side walls and above the teeth yieldingly pressing the passing earth towards the teeth.

1,634,173. SOCKET TERMINAL. FRANCIS C. CHADWICK, Newark, N. J., assignor to Beaver Machine and Tool Company, Newark, N. J., a Corporation of New York. Filed Nov. 18, 1921. Serial No. 516,020. 5 Claims. (Cl. 173—332.)



1. A socket terminal comprising a resilient support member consisting of two similarly formed oppositely disposed parts, means for connecting the parts of the support member adjacent one end thereof, the opposite ends of the parts of the support member being resiliently spreadable, and a two part contact member each part of which midway of its length is pivotally connected to the resiliently spreadable end of one of the parts of the said support member with the inner ends of the said parts of the contact member lying between the parts of the support member and the outer ends of the parts of the contact member extending beyond the parts of the said support member.

1,634,174. DISPLAY SIGN AND METHOD OF PRODUCING THE SAME. SHERMAN CORNETT, Reece, Kans. Filed Apr. 20, 1926. Serial No. 103,322. 6 Claims. (Cl. 88—16.)



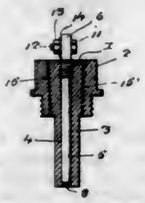
1. Apparatus of the character described comprising a base, a pair of transversely spaced vertical spools rotatably supported on said base, releasable means for preventing rotation of said spools, a screen strip extending between said spools and partially wound on said spools, said screen strip having openings formed therein, a pair of other vertical spools spaced transversely of the base, and a film strip trained about said last named spools and having a stretch extending parallel to said screen strip close to the inner face of the latter, said film strip having a plurality of longitudinally spaced colored areas produced thereon each adapted to cover an opening in said screen strip as said film strip moves on said second named spools close to said screen strip.

1,634,175. POWDER PUFF. JOSEPH J. COSIN, Brooklyn, N. Y. Filed Sept. 11, 1925. Serial No. 55,857. 6 Claims. (Cl. 132—78.5.)



1. A powder puff characterized by a substantially flat filler between the walls of the powder puff, and means extending substantially parallel to said walls and the filler for retaining the filler in place and the walls from collapsing toward each other from a substantially parallel relationship.

1,634,176. INDICATOR. WILFRED CUNLIFFE, Stamford, Conn. Filed Nov. 3, 1924. Serial No. 747,650. 1 Claim. (Cl. 136—182.)



In an indicator, an electrode therefor comprising a cap provided with converging vent openings arranged therethrough and being formed with threads on a portion of its exterior surface, a depending elongated portion formed integral with the cap and together therewith being formed with a single longitudinal bore, a lead rod passing through the bore of the cap and received in the bore of the depending portion respectively, and said rod terminating adjacent the lower end of the bore of the elongated portion to provide a recess in said depending portion, said rod being threadedly secured in said cap and an aperture flat head formed on the upper end of said rod.

1,634,177. TRAP-CHAIN RING. LUKE M. DART and GEORGE G. HARRIS, Eagle Lake, Me. Filed Dec. 29, 1926. Serial No. 157,851. 2 Claims. (Cl. 43—96.)



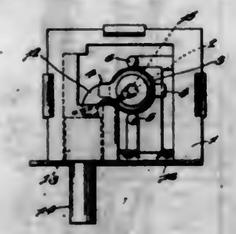
2. A device of the class described comprising a ring formed of a strip of metal having its ends twisted together, with the portions at the ends of the twist converging inwardly and connected together by a half twist, the converging portions forming an eye and the parts beyond the half twist diverging and having pointed ends.

1,634,178. CARPENTER'S GAUGE. JOHN HARRIS EDMONDSON, Pine Bluff, Ark. Filed Sept. 7, 1923. Serial No. 661,495. 1 Claim. (Cl. 33—194.)



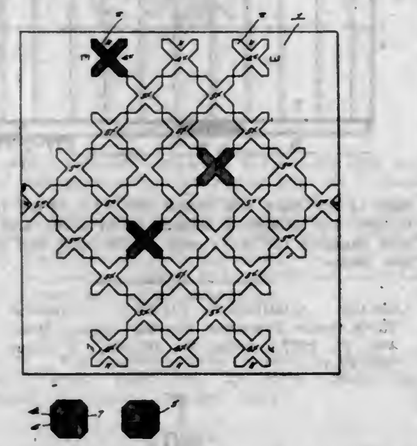
A device of the class described, comprising relatively adjustable bars, end pieces, and means for pivotally connecting the end pieces with the bars, said end pieces each comprising a flat plate and an end flange extending perpendicularly with reference to the surface of the plate and at an angle of approximately 45 degrees with the lateral edge of the plate, and adapted to lie parallel with the edges of the bars when the end pieces are approximately perpendicular to each other.

1,634,179. SWITCH. ULRICH FEICHTER, Chicago, Ill. Filed Apr. 18, 1925. Serial No. 24,182. 1 Claim. (Cl. 200—64.)



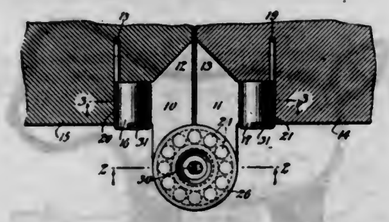
In combination, a casing, a rod carried by the casing, a contact plate rotatably and slidably associated with the rod and having depressed portions defining cam shaped elements, stationary contact elements carried by the casing, an arm defined by the plate and adapted alternately for engagement with the stationary contact elements, a ratchet defined by sectional parts, one of the sectional parts being connected to the plate, the other of the sectional parts being rotatably associated with the rod, and a plunger carried by the casing, said plunger having an end portion arranged in the path of the arm and adapted for operative engagement therewith, substantially as described.

1,634,180. GAME APPARATUS. WALTER ALFRED FELTON, Newburgh, N. Y. Filed May 17, 1926. Serial No. 109,717. 1 Claim. (Cl. 273—131.)



A game apparatus comprising a board having on its face sets of cruciform locations contrasting in color to the face of the board; the said cruciform locations being arranged in sets at right angles to the side edges of the board and with the several sets in parallelism and with the cruciform locations in each set spaced apart, and also with the said cruciform locations arranged in diagonal sets with the confronting ends of the cruciform locations in the diagonal sets joined to each other, and major and minor playing pieces adapted to be moved on the locations of the board; the major playing pieces being provided on their faces with cruciform figures, to coincide with the cruciform configuration of the locations on the board and to thereby conduce to movement of said playing pieces in orderly fashion.

1,634,181. HINGE. ERNEST FLAGG, New York, N. Y. Filed Dec. 30, 1925. Serial No. 78,400. 3 Claims. (Cl. 16—136.)

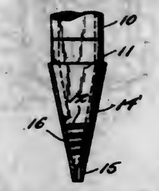


3. A hinge construction which comprises a pair of hinge plates, a portion of one plate being bent up at its edges to form a cup, and centrally raised to form a boss, a portion of the other plate having a relatively large central opening therein, the material at the edges of the opening being bent down to form a flange encircling the boss, said flange defining with the flange of the cup, a ball race, a cover plate to be disposed over said plate portions, centrally depressed to fit within the opening in the upper plate, said cover plate and boss having aligned apertures therein for the reception of an interlocking pin for holding the plates together.

1,634,182. COLORLESS CROOKES GLASS. PHILIP VICTOR WILLINGHAM GELL, CHARLES EDWIN GOULD, WILFRED MARSH HAMPTON, and HAROLD SHARPE MARTIN, Smethwick, England, assignors to Chance Brothers and Co., Limited, Smethwick, England. Filed May 11, 1925. Serial No. 29,615. 2 Claims. (Cl. 106—36.1.)

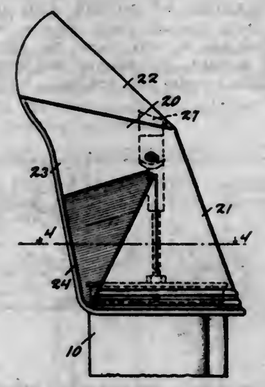
1. A glass for use in lenses, said glass containing cerium in sufficient quantities to partially absorb the ultra-violet rays and didymium in sufficient quantities to assist in the absorption of such rays and to neutralize the color that would be imparted to the glass by the cerium, and with the cerium to absorb practically all the ultra-violet rays.

1,634,183. PIPETTE. MAURILLE GERVAIS and WILFRED BIRON, New Bedford, Mass. Filed Oct. 18, 1926. Serial No. 142,408. 3 Claims. (Cl. 23—292.)



1. The combination with a tube having a tapered end, of a cone-shaped cap connected with the tapered end and having a discharge nozzle portion.

1,634,184. VENTILATOR. JACOB GOLDSTEIN, West Hazleton, Pa. Filed Mar. 1, 1926. Serial No. 91,606. 2 Claims. (Cl. 98—71.)

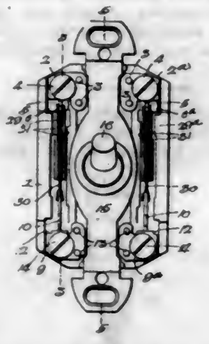


1. A ventilating device of the class described comprising a cowl formed from a sheet metal blank to provide a conical back portion and side portions defining the open front of the cowl, the blank being further formed to provide a transversely rounded upwardly and forwardly extending top and the material of the blank being folded upon itself longitudinally medially of the said top to provide an upstanding vane, and means for supporting the cowl for rotation.

1,634,185. DOUBLE-THROW SWITCH. MONROE GUETT, Hartford, Conn., assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed July 1, 1925. Serial No. 40,872. 1 Claim. (Cl. 200—15.)

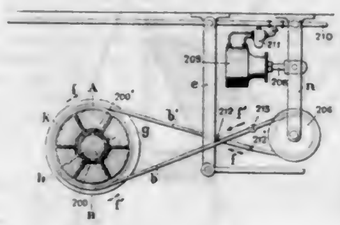
The combination in a double pole, double throw switch, of a recessed base of non-conducting material; a plate extending across the recess of the base; a switch lever

pivotally mounted on the plate; a carrier located within the recess and pivotally mounted on the plate, said carrier having two sets of blades; sections of non-conducting material mounted on the carrier between the sets of blades; snap mechanism connecting the switch lever with the carrier; a pair of double terminals located at one end of the base; a single pair of terminals located at the opposite end of the base; and a single pair of inter-



mediate terminals located in the recess of the base between the double and single terminals and so positioned that, when the carrier is in one position, the blades will engage one of the contacting portions of the double terminal and one of the single terminals, and, when the carrier is shifted, the blades will engage the other contacting portion of the double terminal and the other single terminal.

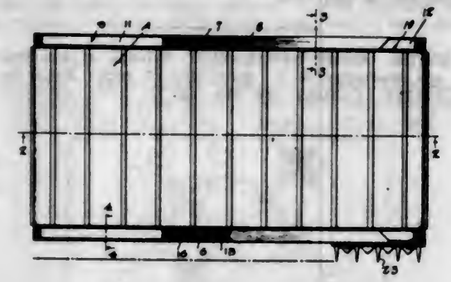
1,634,186. BRAKING OF MOTOR AND OTHER VEHICLES. PAUL HALLOT, Paris, France. Original application filed Apr. 6, 1921, Serial No. 459,140, and in France Dec. 6, 1913. Divided and this application filed Feb. 23, 1923. Serial No. 620,763. 4 Claims. (Cl. 188—141.)



1. In a braking device for motor and other vehicles, a shaft, a casing, a plurality of fixed and loose pulleys in the casing, means for causing a loose pulley to turn with the shaft, a pivoted arm, means for swinging the arm, a pulley carried by the arm, a belt passing around the fixed and loose pulleys and the pulley of the arm, a brake controlling lever, and means on the belt adapted to engage said lever.

1,634,187. PLATFORM-CANVAS-ADJUSTING MECHANISM FOR GRAIN BINDERS. HENRY HARTVIKSON, Rugby, N. Dak. Filed Oct. 5, 1925. Serial No. 60,626. 2 Claims. (Cl. 198—208.)

1. A conveyor of the character described comprising a pan, a sectional frame arranged within the pan including rigid side beams disposed at one end of the pan and slidable side beams disposed at the opposite end of the pan, guides carried by the pan for receiving the slidable side beams, rollers carried by the other ends of the rigid and slidable side beams, an endless belt trained about said rollers, guide sockets formed in the inner ends of the slidable side beams, guide rods carried by the inner



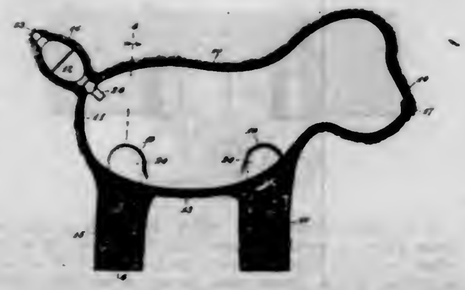
ends of the rigid side beams slidably received in said sockets, and expansion springs coiled about said guide rods engaging the inner ends of the rigid and slidable side beams.

1,634,188. ADMISSION TICKET. CLARENCE HEAD, Birch Coulee Township, Renville County, Minn. Filed Feb. 21, 1927. Serial No. 169,984. 4 Claims. (Cl. 40—1.5.)



1. In an admission ticket of the character described, a frangible disc carrying admission data, means rigidly associated with the disc for insertion in a button hole and only removable from the button hole by breaking the disc, and means constructed for non-removable engagement upon the pin in back of the button hole.

1,634,189. POODLE-DOG DOLL. BEULAH LOUISE HENRY, New York, N. Y., assignor of one-half to Edwin A. Guinzburg, New York, N. Y. Filed June 24, 1926. Serial No. 118,292. 5 Claims. (Cl. 46—40.)



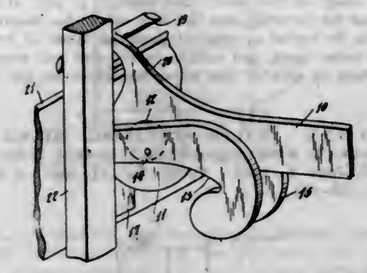
1. A doll comprising an inflatable outer structure having characteristics simulating a natural object, a hollow appendage on the outer structure and opening thereinto, and means for inflating and deflating said outer structure, said means including an air compressing and releasing device, said device arranged in said appendage of the outer structure.

1,634,190. HAIR STRUCTURE. WILLIAM HEPNER, Los Angeles, Calif. Filed Sept. 28, 1926. Serial No. 138,177. 10 Claims. (Cl. 132—53.)



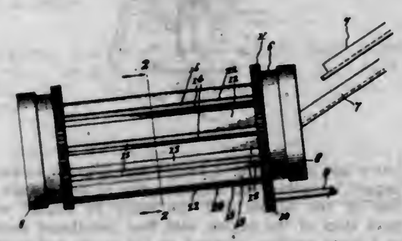
1. A hair structure comprising a relatively long and narrow foundation member adapted to span the forehead along the hair line from approximately temple to temple; strands of hair extending from all parts of one side of said foundation member; and a flexible member attached to said foundation and extending beneath the under rear side of the head and adapted to be covered and concealed by the natural hair of the wearer.

1,634,191. WRECKING TOOL. JOHN E. HOFFMAN, Casper, Wyo. Filed Sept. 22, 1926. Serial No. 136,998. 3 Claims. (Cl. 254—131.)



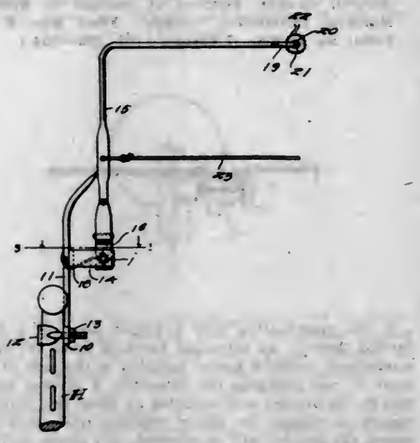
1. A tool of the class described comprising a lever adapted for abutment against a part of the work, a shoe adapted for abutment against another part of the work, a disk journaled on the lever, means connecting the shoe to the disk eccentrically of the latter.

1,634,192. NAIL-SORTING DEVICE. OLIVER H. HOVDA, Billings, Mont. Filed May 21, 1926. Serial No. 110,733. 5 Claims. (Cl. 209—86.)



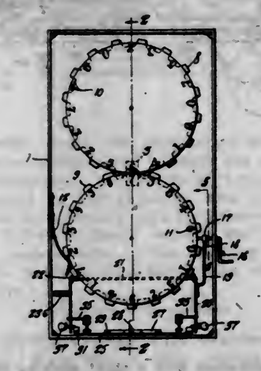
1. An improved nail sorting device, comprising a drum having sorting pockets, inclined plates for diverting the nails to the sorting pockets, long partitions in said pockets for regulating the length of nails delivered thereto, and short partitions in the pockets between the long partitions for up-ending the nails.

1,634,193. WHIPPING OR PRODDING DEVICE. WILLIAM HUBER, Bentley, N. Dak., assignor of one-half to Otto W. Meyer, Bentley, N. Dak. Filed May 20, 1926. Serial No. 110,492. 2 Claims. (Cl. 54—1.)



2. A device of the class described comprising an attaching bracket having an offset end, a U-shaped auxiliary bracket on said attaching bracket adjacent said end, a prodding instrument having an end of U-shape disposed within the auxiliary bracket, an element pivotally connecting said end to said auxiliary bracket, a spring surrounding said element and urging the instrument into contact with the first mentioned end, and means to operate said prodding instrument.

1,634,194. EDUCATIONAL TOY. JOSEPH H. JACOBS, Paxton, Mont. Filed Aug. 9, 1926. Serial No. 128,217. 4 Claims. (Cl. 35—2.)



1. In a mathematical toy, a casing having a sight opening, intermeshing toothed discs in the casing, one of said discs having a greater number of teeth than the

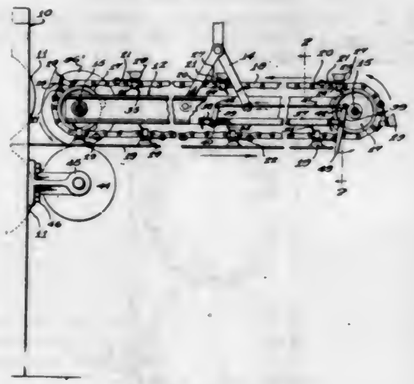
other and both of said discs having figures inscribed on the outer face thereof, and the aligning figures on the respective discs arranged to be displayed through the sight opening, a pin wheel on one of the discs, a shaft having a cranked end for engaging the pins of the disc, an operating handle for the shaft and means operable to engage the shaft to hold the same from turning.

1,634,195. LATCH. BENJAMIN W. JOHNSTON, Rosedale, Alberta, Canada, assignor of one-half to Berton A. McEwen, Drumheller, Canada. Filed Mar. 5, 1925. Serial No. 13,358. 7 Claims. (Cl. 292—254.)



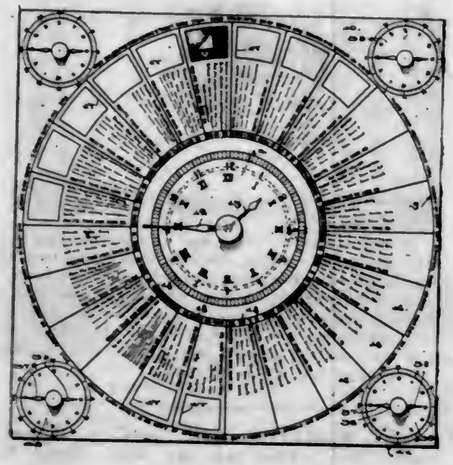
1. The combination with a hinged door, of a bracket carried thereby, an extension provided upon the bracket, a relatively yieldable keeper mounted in the path of movement of and engaging the extension, a pivoted bar carried by the bracket and including an offset end portion arranged to engage the keeper whereby when said bar is moved the bracket will be released, and means carried by the bar for holding the latter against pivotal movement.

1,634,196. SHEET PILER. LEWIS JONES, New York, N. Y. Filed Jan. 17, 1927. Serial No. 161,662. 20 Claims. (Cl. 271—74.)



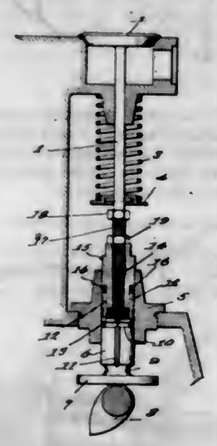
1. The combination with a sheet working machine having power driven means for discharging sheets therefrom, of freely movable means adapted to engage and support the sheets and to be actuated solely by movement thereof as they are discharged from the sheet working machine.

1,634,197. CLOCK-DIAL GAME. GEORGE KENT, North Chatham, Mass. Filed Dec. 8, 1926. Serial No. 153,386. 2 Claims. (Cl. 273—141.)



1. A game comprising a housing having a dial indicating a clock on the outer face thereof, a pair of hands mounted for rotation over the dial, means for causing one hand to be moved at twelve times the speed of rotation of the other hand, and indicia on the dial and representing points as gain or loss when designated by the hands.

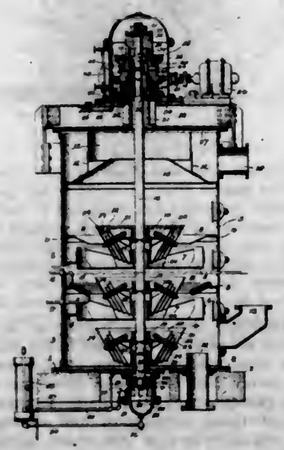
1,634,198. VALVE-ACTUATING MECHANISM. CHARLES R. KINKAID and EMIT T. SHREVE, Rotan, Tex. Filed June 7, 1926. Serial No. 114,358. 1 Claim. (Cl. 123—90.)



A valve lift comprising a tappet and a guide therefor, said tappet including two sections, one to be engaged by the cam of the engine and the other to engage with the valve stem of the engine, said first mentioned section having a body portion received in the guide and having a head portion to be contacted by the cam, said body portion having a reduced neck at its juncture with the head and an annular groove adjacent to its outer end, said body having longitudinal oil grooves therethrough, pins

extending from the outer end of the said section, the second tappet section having a portion of its body received in the guide and having openings for the reception of the pins, a compressible ring gasket between the tappet sections, a tappet screw threaded in the bore of the last mentioned tappet section, a binding nut thereon contacting with said section and a spring received in the bore of the last mentioned tappet section, contacting with the end of the screw therein and also contacting with the first mentioned tappet section.

1,634,199. CENTRIFUGAL CONTACT APPARATUS. PAUL M. KUEHN, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 2, 1923. Serial No. 616,512. 3 Claims. (Cl. 308—142.)



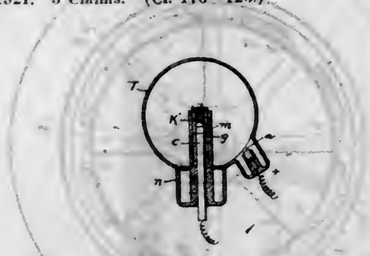
1. In combination with a vertically disposed shaft: a rockable side thrust bearing for the lower end of the shaft; a fixed supporting member located adjacent the upper end of the shaft and through which said upper end passes in spaced relation; a driven hub-like member supported on said supporting member; a second hub-like member secured to the upper end of the shaft; toothed driving connections between said hubs; a ring-shaped block encircling the shaft and interposed between the adjacent ends of the hub-like members; a pair of diametrically disposed pins interposed between the lower hub and said block; and a second set of pins interposed between the block and the lower face of the upper hub, the two sets of pins being arranged at right angles to each other, said pins and blocks permitting the shaft to tilt or swing.

1,634,200. RAIL-FASTENING MEANS FOR RAILWAY TIES. CHARLES W. LEE, Lock Haven, Pa. Filed Jan. 13, 1927. Serial No. 160,879. 2 Claims. (Cl. 238—279.)



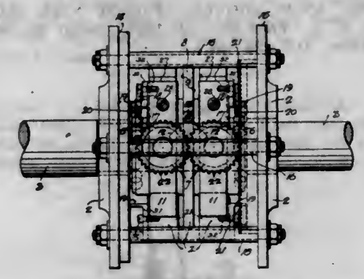
1. Rail fastening means for railway ties, comprising a tie having a vertical opening, clamping members slidably engaging in said opening and having alined longitudinal slots therein, said members provided with means to engage the base of a railway rail, a rod slidably engaging the tie and engaging in said slots to hold the members in clamping positions, a shaft journaled in the tie, and operative connections between the shaft and rod to move it into and out of engagement with the clamping members.

1,634,201. GLOW-DISCHARGE TUBE. JOSEPH MASSOLLE and JOSEF ENGL, Berlin-Grunewald, and HANS VOGT, Berlin-Wilmersdorf, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Mar. 20, 1922, Serial No. 545,376, and in Germany Mar. 24, 1921. 5 Claims. (Cl. 176—126.)



1. In a glow discharge tube adapted for use in photographically recording electric current variations having a cathode and anode and containing a gas, adapted to provide a luminous discharge in the space adjacent to the cathode and based thereon, the combination of an elongated cathode member having a forward end surface adapted to be entirely covered with a negative glow discharge, and means for preventing the spreading of the glow from said forward end surface on to any surfaces adjacent to said forward end surface.

1,634,202. ROLLER CLUTCH. STOCKTON H. MORTIMER, Philadelphia, Pa. Filed Jan. 7, 1926. Serial No. 79,853. 8 Claims. (Cl. 192—45.)

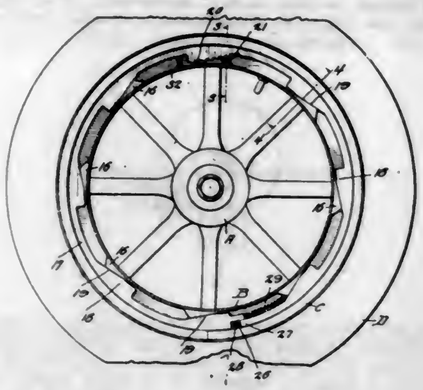


2. In a roller clutch, the combination of rotary driving and driven members, one of which has a flat friction surface perpendicular to the axis of rotation, a radial cylinder carried by and rotatable with respect to the other member and provided with a friction surface thereon, and a roller interposed between the members and adapted to engage both friction surfaces to transmit power in one direction from the driving member to the driven member.

1,634,203. DEMOUNTABLE RIM. ERNST W. NELSON, Ong, Nebr. Filed Feb. 8, 1927. Serial No. 166,723. 3 Claims. (Cl. 301—27.)

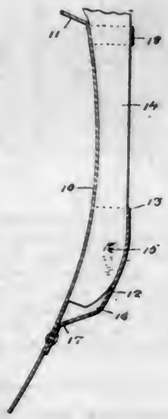
1. In a wheel, the combination with a felloe having an annular groove adjacent to one side thereof and opening through the outer periphery thereof, an abutment formed on the felloe circumferentially thereof at the side opposite the groove, a demountable rim engageable

on the felloe and having inner spaced circumferentially arranged abutments, one of the abutments being cooperative with the abutment on the felloe, a split partially overlapping expansion ring mounted in the groove in the felloe and having spaced beveled projections, risers arranged in the base of the groove and coacting with the beveled projections on the ring to effect the expansion and contraction of the latter and when expanded to



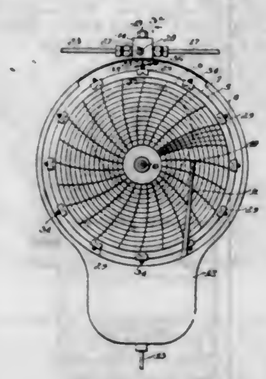
engage and lock the other abutment on the demountable rim, a toothed rack formed on the inner periphery of the ring, a pinion arranged in the groove in the felloe and meshing with the toothed rack, an actuating head connected with the pinion and disposed exteriorly of the felloe, means rotatably supporting the pinion in the felloe, and means carried by the last named means and cooperating with said head to maintain it fast after adjustment of the pinion.

1,634,204. SNOW SHOVEL. FAYETTE NIMS, Montour Falls, N. Y. Filed Feb. 24, 1926. Serial No. 90,389. 2 Claims. (Cl. 294—54.)



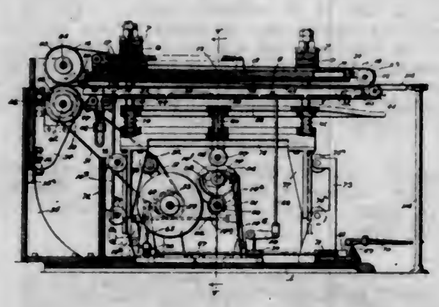
1. In a snow shovel, a blade curved from its lower to its upper edge, a handle socket attached to and extending down the back of the blade below the center thereof and opening upwardly, the outer wall of the socket having a curve slightly different from the curve of the blade and providing an opening of less area than the cross sectional area of the socket, a handle shaped adjacent its lower end to conform to the shape of the socket and providing a head-like portion to engage the walls of the socket and a strap near the upper edge of the blade around the handle which acts as a handle lock.

1,634,205. COMBINED RECORDING AND CONTROLLING MECHANISM. RAYMOND E. OLSON, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Apr. 18, 1925. Serial No. 24,242. 3 Claims. (Cl. 161—7.)



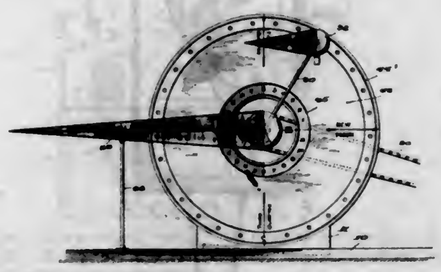
1. In a recording apparatus having a record chart holder, a motor for rotating the chart holder and a casing enclosing the same, the combination of a device disposed outside the casing and means for operating the same, including an element movable radially through the casing and an abutment constructed and arranged to be attached to the periphery of the chart holder for cooperation with the said element, said abutment including a contact member adjustable in radial direction.

1,634,206. SEAM OPENER. HERBERT E. PAGE, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 16, 1925. Serial No. 16,002. 13 Claims. (Cl. 68—9.)



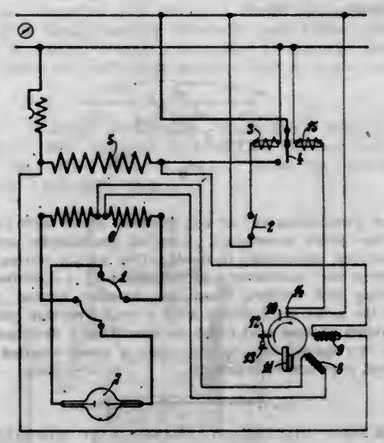
1. In a seam opening and pressing machine, the combination of a pair of relatively moving pressing elements; a spreader for the seam located at the end of one of said elements; a tiltable support therefor; a roller carried by the support; an endless belt passing about said roller, with one run of the belt passing inwardly beneath and along the face of the adjacent pressing element; a second endless belt one run whereof passes along the pressing face of the other pressing element; and means under the control of the operator for manipulating the tiltable support.

1,634,207. ASTRONOMICAL DEVICE. DAVID PHILLIPS, Daytona Beach, Fla. Filed Apr. 12, 1926. Serial No. 101,493. 7 Claims. (Cl. 35—3.)



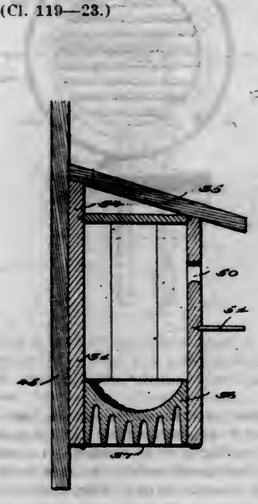
1. A device of the class described comprising a globe representing the earth, a conically shaped member embracing a portion of the globe and extending outwardly therefrom, said member being adapted to represent the shadow of the earth, means for maintaining said shadow in a predetermined position, a globe adapted to be revolved about the first mentioned globe and representing the moon, and means for causing the second mentioned globe to be revolved around the first mentioned globe and pass through the shadow associated with the first mentioned globe.

1,634,208. ELECTRIC RELAY FOR RADIOGRAPHY. HECTOR PAUL PILON, Paris, France. Filed Sept. 24, 1925. Serial No. 58,462, and in France Nov. 18, 1924. 3 Claims. (Cl. 250—34.)



1. In an X-ray photographic apparatus, a transformer for supplying an X-ray tube and including primary and secondary windings, a field winding shunt connected with the primary winding of the transformer, a second field winding connected in series with the secondary winding of the transformer to produce with the first field winding a magnetic field, a rotatable disc arranged in said magnetic field, and means for opening the circuit of the transformer primary winding upon rotation of the disc to a predetermined extent.

1,634,209. BIRD HOUSE. OSCAR C. REIBER, West Webster, N. Y. Filed Sept. 4, 1925. Serial No. 54,494. 5 Claims. (Cl. 119—23.)



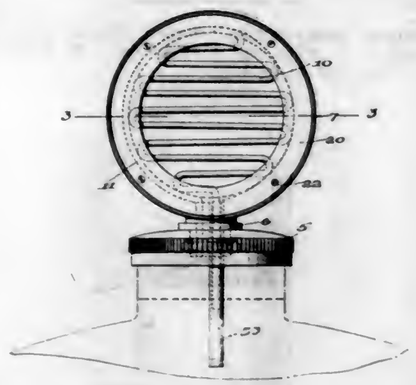
1. In a bird house, a nesting compartment open at its lower end, and a nest-bottom made of moisture absorbent material and fitting in the lower end of the compartment, said nest-bottom having spaced ventilating channels in its lower face, said channels being open to the atmosphere at their bottoms.

1,634,210. DIAPHRAGMLESS MICROPHONE. EUGEN REISZ, Berlin-Dahlem, Germany. Filed Nov. 12, 1925, Serial No. 68,665, and in Germany Sept. 19, 1925. 9 Claims. (Cl. 179—122.)



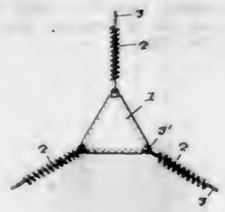
1. In a microphone, a vibration free insulating base, a pair of fixed electrodes mounted therein, a layer of contact material extending between and over said fixed electrodes, said contact material consisting of a mixture of coarse grained and fine dust or powder filling the interstices between the grains and flexible means for holding and pressing the grains together with a constant normal pressure.

1,634,211. CONDENSER FOR AUTOMOBILE RADIATORS. GEORGE D. ROBERTS, Hartford, Conn. Filed Apr. 9, 1926. Serial No. 100,926. 3 Claims. (Cl. 257—25.)



1. A condenser for automobile radiators comprising a cap adapted for attachment to an automobile radiator neck, a body having a stem connected to said cap, a serpentine tube positioned within the said body and having a plurality of communicating downwardly inclined branches for the passage of fluid, and keeper plates detachably secured to opposite sides of said body and detachably holding said serpentine tube in place.

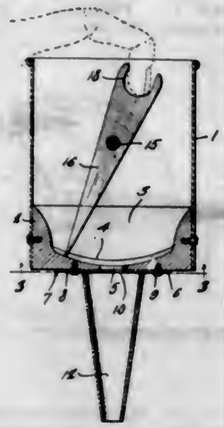
1,634,212. MACHINE SPRING. GRACE ROGERSON, Jasonville, Ind., assignor of one-third to Oliver Shank, Jasonville, Ind. Filed May 26, 1926. Serial No. 111,831. 1 Claim. (Cl. 267—69.)



A spring device of the class described comprising a central member of triangular shape and formed of a triangular piece of wire having each corner looped and a triangular strip of material having its edges rolled around the straight portions of the wire, with its corners cut away to expose the loops and a coiled spring connected with each loop.

1,634,213. SEEDER. JAMES W. ROOKWOOD, Mountain View, Okla. Filed Oct. 5, 1925. Serial No. 60,540. 1 Claim. (Cl. 221—119.)

A seeder including a hopper body, a removable bottom therefor, having a concave upper face formed with a central opening, a longitudinal channel within said bottom traversing the opening, a manually actuated agitator having its lower end movable through said channel, an outlet spout having communication with the opening, an



adjustable plate mounted upon the spout and the bottom and formed with a V-shaped opening having a rounded end portion and means whereby said plate may be manually adjusted to regulate the flow of material from the hopper through the spout.

1,634,214. ASSEMBLING DEVICE FOR BRIDGES, PLATES, AND THE LIKE IN TIMEPIECE MOVEMENTS, COUNTING MECHANISMS, AND LIKE APPARATUS. CHARLES ROSAT, Boudry, Switzerland, assignor to Fabriques des Montres Zenith, successeur de Fabriques des Montres Zenith Georges Favretacot & Co., Le Locle, Switzerland. Filed May 10, 1926, Serial No. 108,184, and in Switzerland May 26, 1925. 1 Claim. (Cl. 58—1.)

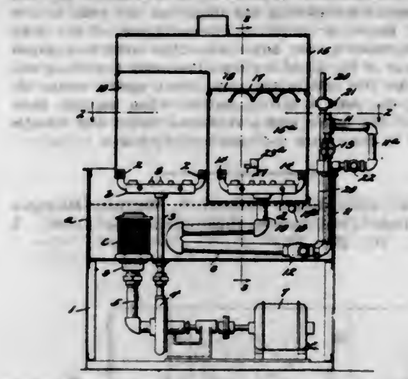


An assembling device for bridges, plates and the like in time piece movements, counting mechanisms and like apparatus, comprising in combination with a setting pillar between the components to be assembled a combined distancing and holding clasp like member formed of one and the same steel ribbon with a rolled portion pivotally arranged around said pillar to constitute a distance piece and two spring ears to constitute a clasp adapted to be turned over said components.

1,634,215. BOTTLE WASHING AND STERILIZING APPARATUS. LOUIS ROSENFELD, Baltimore, Md., assignor to Cherry-Bassett Company, Baltimore, Md., a Corporation of Delaware. Filed Jan. 27, 1927. Serial No. 163,857. 4 Claims. (Cl. 141—7.)

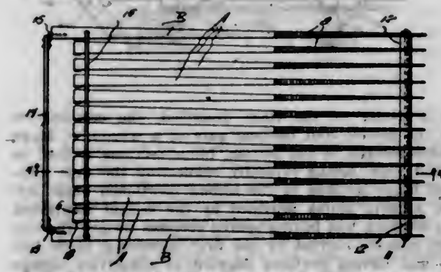
1. The combination with a tank adapted to contain washing liquid, a washing spray-head adapted to drain into the tank and means for forcing liquid from the tank

through the spray-head, of a rinsing spray-head, a conduit submerged in the tank and communicating with said latter head, means for admitting a restricted flow of



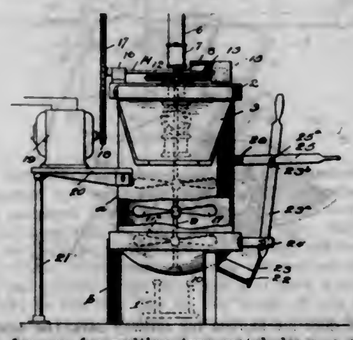
water from a source outside the tank to said conduit to slowly fill the same, and means for admitting steam to said conduit at intervals.

1,634,216. ROAD SCRAPER. ROBERT A. RUSSELL, Rustburg, Va. Filed Dec. 9, 1926. Serial No. 153,652. 14 Claims. (Cl. 37—143.)



5. A device of the class described including a plurality of blades disposed in coextensive relationship, means for holding said blades in said relationship, each blade including an elongated web having a flange on one edge thereof, said flange tapering forwardly, said blades being disposed in spaced relation, and means at the rear ends of said blades for preventing portions thereof from overlapping.

1,634,217. DROSS FURNACE. GEORGE C. SCHIMPF, Baltimore, Md., assignor to Harry D. Harvey, Baltimore, Md. Filed Nov. 23, 1925. Serial No. 70,809. 1 Claim. (Cl. 266—34.)



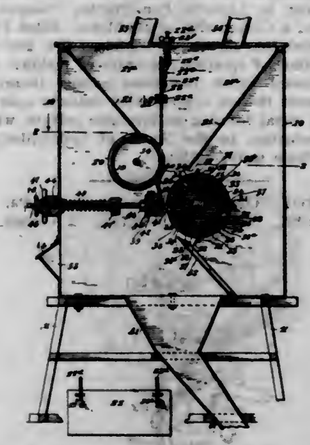
In a furnace for melting type metal dross, a melting pot having a hopper at one side, near the top, for the admission of dross, a cover extending over the furnace, a lid for said hopper, hinged to said cover, a shaft arranged vertically in the pot and extending through the cover, said shaft having blades at its lower end, a horizontally arranged shaft geared to said vertical shaft, bearings on the cover in which said horizontal shaft is mounted, and means for driving said latter shaft.

1,634,218. TABLE. ADINA SMALL, New York, N. Y. Filed Feb. 4, 1922. Serial No. 534,049. 1 Claim. (Cl. 45—47.)



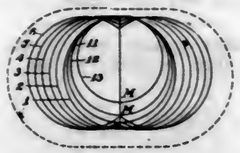
A table having a supporting column and a plurality of leaves of irregular oval shape and a supporting column, a single rotatable and slidable hinge connecting the inner end of each leaf to the top of said column, said leaves being spaced apart, means for supporting each said leaf, comprising a rod hinged to the leaf and retained within said column when in inoperative position, a plurality of stops within the column and operable upon said rod and a spring adjacent each said stop to cause said rod to engage said stop.

1,634,219. GRAIN-REDUCING MACHINE. OLIVER P. SMITH, Portland, Oreg. Filed Nov. 4, 1925. Serial No. 66,782. 2 Claims. (Cl. 83—6.)



1. In a grain reducing machine of the character described, comprising a casing, a roller journalled transversely in the casing, adjustable cutter blades in parallelogram relation upon the roller, and having their knife edges projecting from the surface thereof, a cutter bar arranged at one side of the roller and having plural knife edge ribs longitudinally thereof coacting with the knife edges of the blades, a guide rail carried upon the top of said bar, tensioned adjustable means supporting the bar in working relation to the roller, and a feeding roll above and coacting with the guide rail.

1,634,220. INTERNAL STRUCTURE FOR LARGE SUBMARINES WITH TWIN-SCREW PROPELLERS. NABOR SOLIANI, Genoa, Italy, assignor to "Ansaldo" Societa Anonima, Genoa, Italy. Filed Apr. 10, 1924, Serial No. 705,653, and in Italy Apr. 13, 1923. 4 Claims. (Cl. 114—16.)



1. An improved internal structure for submarines of the character described, comprising a body composed of fore and aft sections, a uniform midship portion the cross section of which consists of the part peripheries of two intersecting circles, and the fore and aft portions of the body being tapered uniformly and having the cross section consisting of part peripheries of circles of the same diameter of the circles of the midship portions and with the centers of the circles approaching one another towards the end of the ship, thereby obtaining a perfectly developed surface.

1,634,221. MANUFACTURE OF BETAINE HYDROCHLORIDE, ETC. DONALD K. TRESSLER, Pittsburgh, Pa., assignor to Larrowe Construction Company, Detroit, Mich., a Corporation of Michigan. Filed July 2, 1924. Serial No. 723,684. 7 Claims. (Cl. 260—112.)

1. A process of recovering betaine hydrochloride and glutamic acid from the residual liquors of beet molasses which comprises adding hydrochloride acid to the cool solution, thus precipitating betaine hydrochloride and inorganic chlorides and subsequently heating the remaining solution to precipitate the glutamic acid as glutamic acid hydrochloride.

1,634,222. PROCESS OF PREPARING BETAINE HYDROCHLORIDE. DONALD K. TRESSLER, Pittsburgh, Pa., assignor to Larrowe Construction Company, Detroit, Mich., a Corporation of Michigan. Filed July 13, 1925. Serial No. 43,895. 6 Claims. (Cl. 260—112.)

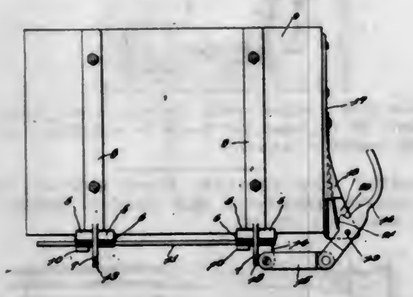
1. The method of treating concentrated residual liquors of beet molasses which comprises adding thereto and causing to react therein concentrated sulfuric acid and a chloride of a metal forming an insoluble sulfate, with the resulting production in the liquor of hydrochloric acid and the insoluble metal sulfate.

1,634,223. TOY. OTTO T. WEAVER, Dormont, Pa. Filed Jan. 24, 1927, Serial No. 163,182. 2 Claims. (Cl. 46—40.)



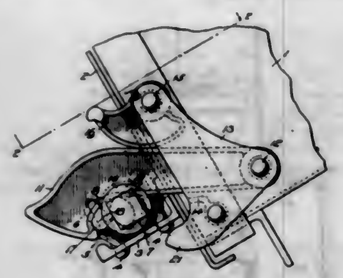
1. In a toy of the class described, a figure, an arm pivoted to the figure, a revoluble stop and go signal adjacent to the figure, a spring actuated motor, stop means for the motor, a wheel having spaced lugs operated by the motor, a finger in the path of contact with the lugs of the wheel, a swingable yoke to which the finger is pivoted, spring means for locking the finger on the yoke in one position, means actuated by the swinging of the yoke when influenced by the finger when the latter is engaged by the lugs of the wheel for simultaneously imparting motion to the arm and to the stop signal, spring means influencing the yoke to initial position when the lugs have ridden off the finger and a combined buffer and whistle actuated by the return movement of the yoke.

1,634,224. END GATE. HENRY O. WENZEL, Michigan City, Ind. Filed July 6, 1925. Serial No. 41,801. 1 Claim. (Cl. 296—57.)



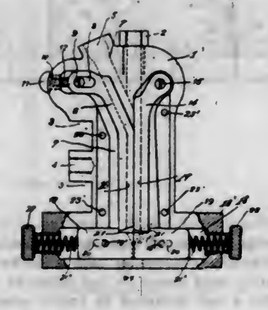
In a device of the class described, the combination with the bottom and the end gate of a wagon, of hinge sections secured to the bottom, hinge sections secured to the end gate, means pivotally connecting the first mentioned hinge sections to the second mentioned hinge sections, arcuate plates provided by the second mentioned hinge sections, and having spaced recesses formed therein, means slidably carried by the first mentioned hinge sections and having portions adapted to selectively engage the recesses, and means for operating said last mentioned means, said operating means including a pivotally supported operating lever, a link connection between the operating lever and said last mentioned means, and a spring member controlling operation of the operating lever in one direction.

1,634,225. DOOR MECHANISM FOR RAILWAY CARS. WILLIAM E. WINB, Toledo, Ohio. Filed Aug. 19, 1925. Serial No. 51,095. 10 Claims. (Cl. 105—308.)



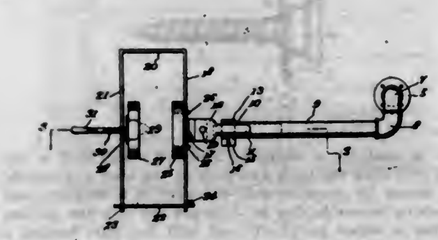
1. In a door mechanism for railway cars, the combination with a hinged door, of a cam member rotatably mounted on said door, a pivoted hook mounted on the car body and adapted to cooperate with said cam member, said hook having a shoulder adapted to be engaged by said cam member to prevent an opening movement of said door, the axis of rotation of said cam member passing between said shoulder and the pivotal center of the hook in all positions assumed by said cam member when the latter is in engagement with said shoulder, and means for preventing an accidental unlocking rotation of said cam, said means including said hook and a member cooperating with said hook for preventing the latter from moving to unlocked position.

1,634,226. NAIL BOX FOR NAILING MACHINES. EMILE ALIBERT, Paris, France. Filed Dec. 12, 1925, Serial No. 75,090, and in France Dec. 12, 1924. 2 Claims. (Cl. 1—5.)



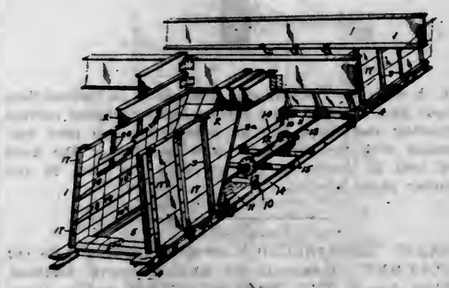
1. A nail box for nailing machines, comprising a body having a recess in one face thereof, a pair of laterally movable nail guiding bars mounted in the recess, said body having a passage therein for feeding nails between the bars, nail engaging dies slidably and yieldably associated with the body for engaging the nails to hold the same in driving position, said dies being interlocked and movable with the bars.

1,634,227. RADIATOR-REPAIR STAND. JOHN R. ALFORD and LUTHER ALEXANDER, Henderson, Tex. Filed Nov. 1, 1926. Serial No. 145,624. 1 Claim. (Cl. 113—111.)



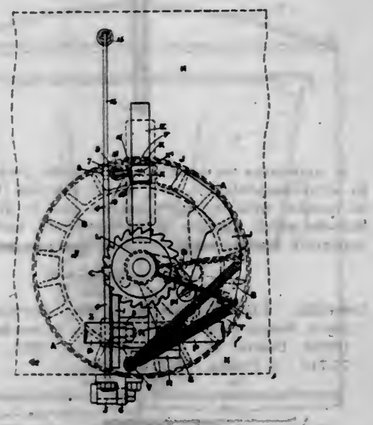
A radiator repair stand comprising a standard, an arm supported for horizontal and vertical adjustment from said standard, and a radiator repair frame swivelly supported from said arm and comprising rear, front and an end bar, said rear and front bars having notches at their front sides, a removable notched end bar adapted to fit into the notches of the front and rear bars, a wooden disc secured to the rear bar on the inside of the frame, an adjustable head mounted opposite said wood disc, and a traveling wood disc carried by said head, said wood discs adapted to clamp upon opposite sides of the radiator.

1,634,228. ASH-HANDLING EQUIPMENT. FRANK B. ALLEN, Lower Merion Township, Montgomery County, Pa., assignor to Frank H. Dunbar, Cleveland, Ohio. Original application filed Mar. 21, 1921, Serial No. 454,321. Divided and this application filed Apr. 9, 1926. Serial No. 100,894. 4 Claims. (Cl. 110—165.)



4. In hopper construction, in combination, floor beams, a hopper suspended beneath and supported from the said floor beams, the said hopper comprising spaced ribs secured at their upper ends to the floor beams, a gate frame secured to the lower ends of the said ribs, and metal wall plates disposed within and secured to the said ribs.

1,634,229. WRAPPING MACHINE FOR WRAPPING FOR PARCELING TOFFEE, CHOCOLATE, OR THE LIKE. HARRY BRADWELL, Halifax, England, assignor to John Mackintosh and Sons, Limited, Halifax, England, a British Company. Filed May 19, 1924, Serial No. 714,352, and in Great Britain May 24, 1923. 9 Claims. (Cl. 93—2.)



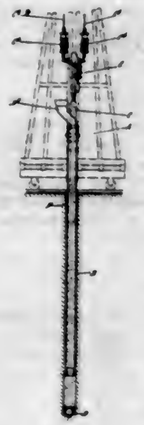
1. In a wrapping machine the combination with a support for the articles to be wrapped provided with a delivery opening, parceling means positioned beneath said opening, and intermittingly acting means for feeding a series of articles on the support to said delivery opening successively, of a platform movable with each movement of the article feeding means to a position between the delivery opening of the support and the parceling means, and means for automatically withdrawing said platform from beneath said opening between the step by step movements of the feeding means.

1,634,230. FASTENER STUD. MOSES F. CARR, Lexington, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Aug. 25, 1925. Serial No. 52,323. 5 Claims. (Cl. 24—219.)



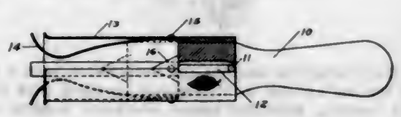
1. A separable fastener stud comprising, in combination, a body part having a head portion and a threaded portion extending therefrom, and an imperforate cap part conforming with the peripheral wall and top of the head and held in assembled relation with the head by the peculiar shape thereof.

1,634,231. CONSTRUCTION OF CONCRETE PILES OR COLUMNS. ALFRED HILEY, Rickmansworth, England. Filed Jan. 6, 1922, Serial No. 527,389, and in Great Britain Feb. 17, 1921. 10 Claims. (Cl. 61—57.)



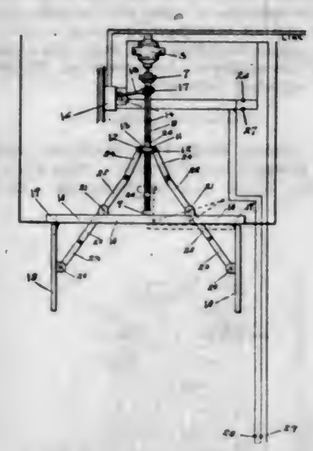
4. Apparatus for constructing concrete piles of columns in situ comprising a tube which contains the concrete in contact with its inner surface and is disposed in a hole in which the pile is to be formed, and means for imparting vertical vibratory movements to said tube.

1,634,232. FIREWORKS HOLDER. RICHARD S. MOUSHON, Peoria Heights, Ill., assignor of one-half to W. G. Hiller, Peoria, Ill. Filed Dec. 16, 1925. Serial No. 75,716. 5 Claims. (Cl. 102—22.)



1. In a fireworks holder, the combination of a cylindrical receiver, a handle therefor, means for holding a piece of fireworks in the receiver including rigid means for holding the fireworks at the closed end of said receiver and resilient means adapted to engage said fireworks near the open end of said receiver.

1,634,233. DOOR-OPENING DEVICE. WILLIAM G. PETERSEN, Portland, Oreg., assignor to National Electric Door Company, Portland, Oreg., a Trust Estate of Washington. Filed Nov. 23, 1925. Serial No. 70,822. 1 Claim. (Cl. 268—63.)



In a door opening device; an electric motor; a reversing switch; a lever operating said switch; a threaded shaft rotated by said motor; a rod adjacent and parallel to said shaft; a nut mounted to travel upon said shaft and said rod; tappets upon said rod to coact with said nut at each end of its travel to operate said switch through a connection between said rod and said switch lever; a lever fulcrumed at its central point; a link connecting one end of said lever with said nut; and a link connecting the other end of said lever with the door.

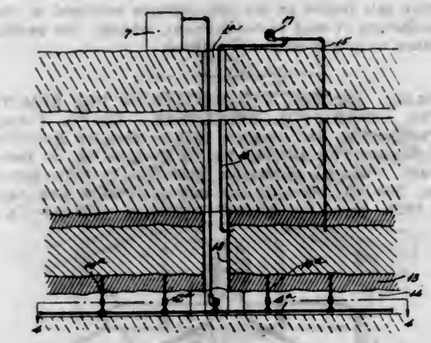
1,634,234. FASTENER STUD. WALTER H. PIERCE, Cambridge, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed July 22, 1925. Serial No. 45,282. 3 Claims. (Cl. 24—219.)



1. A stud for a separable fastener comprising a cap part providing the head and neck of the stud and attaching means for securing said cap part to a support, said attaching means having an enlarged flat disk-like portion having a milled periphery, and said cap part having a flange portion clamped about the margin of said disk-like portion to secure the parts together, said milled periphery preventing relative turning between the parts.

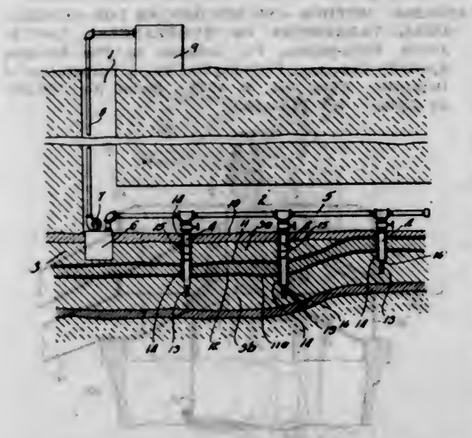
1,634,235. METHOD OF AND APPARATUS FOR RECOVERING OIL. LEO RANNEY, Jacksboro, Tex., assignor to Standard Development Company, a Corporation of Delaware. Filed Dec. 31, 1923. Serial No. 683,703. 4 Claims. (Cl. 262—1.)

1. Process of recovering oil from an oil bearing stratum, and comprising forming a tunnel near the stratum but spaced therefrom by material substantially impervious to fluid, providing a plurality of communications between the oil bearing stratum and a fluid-conducting system in



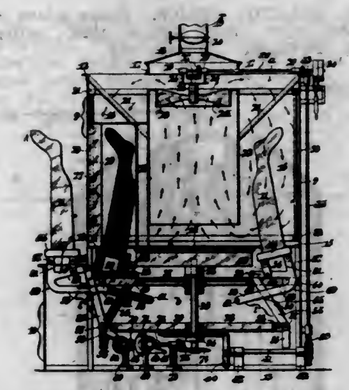
the tunnel and regulating production by selectively controlling flow through a plurality of the communications, said regulation being effected near the oil bearing stratum.

1,634,236. METHOD OF AND APPARATUS FOR RECOVERING OIL. LEO RANNEY, Jacksboro, Tex., assignor to Standard Development Company, a Corporation of Delaware. Filed Mar. 10, 1925. Serial No. 14,448. 17 Claims. (Cl. 262—1.)



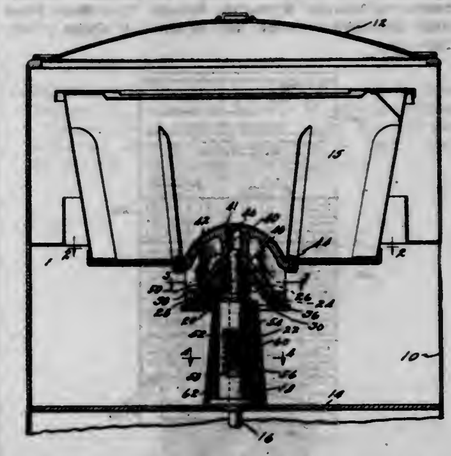
1. Apparatus for recovering oil from an oil-bearing stratum to which access is gained by a mine gallery, including an oil-collecting conduit extending from the gallery to the oil-bearing stratum and sealing material interposed between the conduit and the stratum it traverses to prevent communication between the stratum and the gallery, except through the conduit.

1,634,237. HOSIERY-DRYING MACHINE. WALTER W. SIMSON, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 13, 1924. Serial No. 712,965. 17 Claims. (Cl. 34—12.)



1. In a drying machine having a zone open to the atmosphere, superposed spiders conveying forms therethrough in relative stationary disposition, and means functional to radially rock successive forms outwards and inwards with respect to the drying zone for stripping and reclothing.

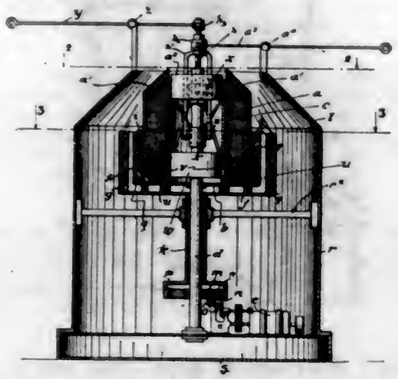
1,634,238. WASHING MACHINE. CYRIL G. SINCLAIR, Toronto, Ontario, Canada, assignor, by mesne assignments, to Reliance Storage and Warehouse Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 2, 1924. Serial No. 729,679. 2 Claims. (Cl. 68—18.)



1. In a washing machine, a vat, a rotatable driving shaft extending upwardly through the bottom of the vat, a housing extending upwardly from the bottom of the vat about the shaft and provided with a bearing at its upper end, a cone clutch supported on said bearing coupled with the shaft to rotate therewith while permitting longitudinal movement of the shaft therethrough, a spring encircling the shaft within the housing bearing at one end against a part of the shaft and at the opposite end against a fixed part of the housing to exert a yield-

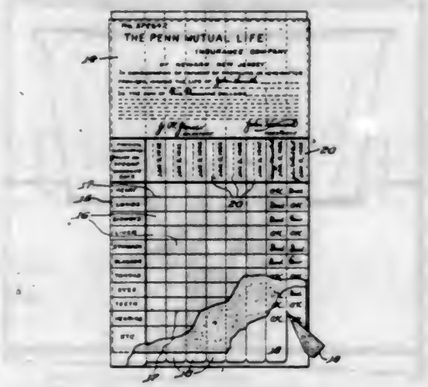
ing pressure upon the shaft endwise thereof, and a tub provided with a co-operating cone clutch member adapted to seat on the first named clutch member to support the tub thereon for rotation by the shaft.

1,634,239. AVIATION DEVICE. ELMER GRANT STILL, Livermore, Calif. Filed Mar. 8, 1924. Serial No. 697,953. 26 Claims. (Cl. 244—18.)



1. In an aviation device, a disc; practically radial vanes mounted on said disc and extending from near the periphery of said disc part of the way to the center of said disc; a large-diameter cylinder mounted centrally on said disc and to which said vanes are attached, and means for revolving said disc with its mountings, so that the incoming air will be thrown outward by centrifugal force, thus creating a partial vacuum close to said disc on its vane-carrying side.

1,634,240. INSURANCE-POLICY FORM. EDWARD BURKE WILFORD, Philadelphia, Pa., assignor of one-fourth to Maurice R. Smith, Kansas City, Mo. Filed Jan. 28, 1926. Serial No. 84,485. 1 Claim. (Cl. 283—54.)

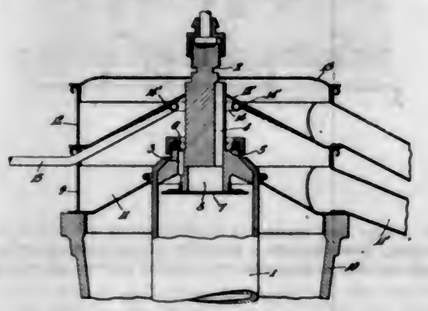


In a sheet having a form of contract constituting an insurance policy printed thereon, the combination with a columnar listing of points of examination, a columnar listing of periodic dates for examinations at right angles to said first named listing, a plurality of lines separating each of the said listings into their components, the intersection of said lines forming spaces for the periodic entry of data in reference to the entire listing of points of examination, of a plurality of detachable strips, each of the said strips registering with the columnar spaces formed by the lines dividing the periodic listing.

1,634,241. ASPHALTIC-PAVING COMPOSITION. CHARLES N. FORREST, Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Apr. 22, 1925. Serial No. 25,133. 2 Claims. (Cl. 106—31.)

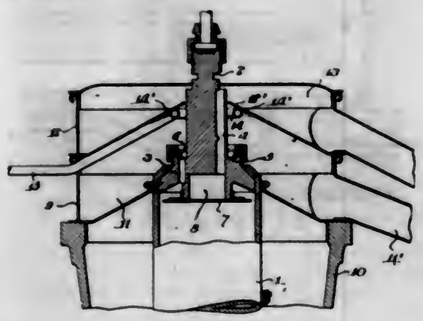
1. An asphaltic paving mixture the asphalt cement of which has combined with it a small percentage of an acetate salt fusible at the temperatures employed in the manufacture of said asphalt cement, whereby the paving mixture is toughened and stabilized.

1,634,242. METHOD AND MECHANISM FOR REMOVING CENTRIFUGE EFFLUENTS. LEO D. JONES, Philadelphia; Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Original application filed Oct. 7, 1921, Serial No. 506,165. Divided and this application filed Apr. 9, 1927. Serial No. 182,236. 10 Claims. (Cl. 233—14.)



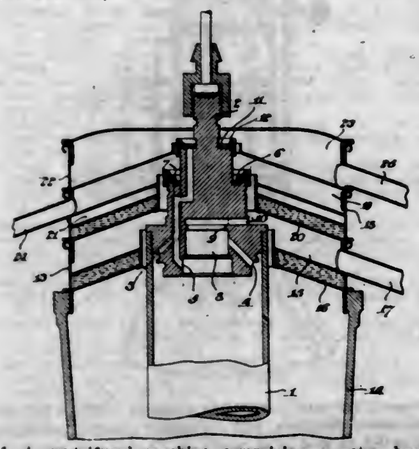
1. The method of separating wax from petroleum which comprises chilling the wax bearing oil to such temperature as will precipitate the wax, centrifugally separating the wax from petroleum and separately discharging the wax and wax-feed oil from the influence of centrifugal force, and discharging a hot fluid into contact with the wax after it leaves the influence of centrifugal force to facilitate removal thereafter of said wax.

1,634,243. METHOD AND MECHANISM FOR CENTRIFUGAL TREATMENT OF SUBSTANCES. LEO D. JONES, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 7, 1921. Serial No. 506,165. 24 Claims. (Cl. 233—14.)



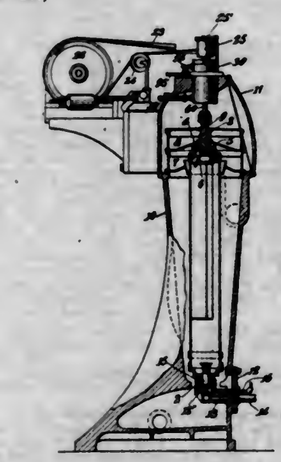
1. In the centrifugal treatment of a substance the process which comprises subjecting the substance to the action of centrifugal force to effect a desired change in the substance and to discharge the substance in dispersed form from the influence of the centrifugal force, and suitably regulating the conditions of the atmosphere within which the substance is so discharged to control the condition of the substance so discharged.

1,634,244. CENTRIFUGAL SEPARATOR. LEO D. JONES, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Oct. 7, 1921. Serial No. 506,166. 10 Claims. (Cl. 233—11.)



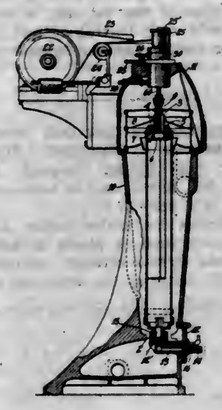
1. A centrifugal machine comprising a rotor having means for separately discharging constituents of different densities of a substance separated in said rotor, an effluent collector with which a constituent makes initial contact on its discharge from said rotor and over which it flows to a discharge point, and means for maintaining a heating fluid in contact with the exterior of said collector over an area substantially equal to the area of the path of flow of said effluent and heating the collector section with which said constituent makes initial contact.

1,634,245. CENTRIFUGAL MACHINE AND PROCESS INVOLVING THE USE OF THE SAME. LEO D. JONES and ARTHUR U. AYRES, Philadelphia, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Original application filed May 1, 1924, Serial No. 710,388, and in Canada Apr. 8, 1925. Divided and this application filed Apr. 13, 1927. Serial No. 183,534. 11 Claims. (Cl. 233—13.)



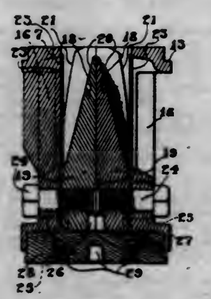
1. In the centrifugal treatment of substances the process which comprises subjecting a substance to the action of centrifugal force and thereby effecting a desired change in the substance and discharging the changed substance in dispersed state, and maintaining sub-atmospheric gas pressure upon the substance while it exists in the dispersed state in which it is centrifugally discharged.

1,634,246. CENTRIFUGAL MACHINE AND PROCESS INVOLVING THE USE OF THE SAME. LEO D. JONES and ARTHUR U. AYRES, Philadelphia, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed May 1, 1924. Serial No. 710,388. 24 Claims. (Cl. 233—13.)



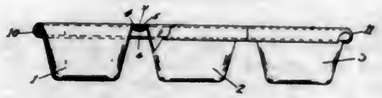
1. In the centrifugal treatment of substances, the process which comprises centrifugally subsiding and centrifugally discharging the substance in a dispersed state, and suitably regulating the conditions of the atmosphere within which the substance is centrifugally subsided and so discharged to control the condition of the substance during subsidence and during and after discharge thereof.

1,634,247. COMPRESSOR VALVE. HJALMAR T. BLOM, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 31, 1917, Serial No. 183,810. Renewed Sept. 9, 1922. Serial No. 587,227. 10 Claims. (Cl. 251—119.)



5. In combination, a valve cage having a longitudinally disposed chamber therein provided with an opening, a plurality of members carried adjacent said chamber having surfaces leading toward said opening, and resilient valves having free ends adjacent said opening and clamped between said members and the walls of said chamber.

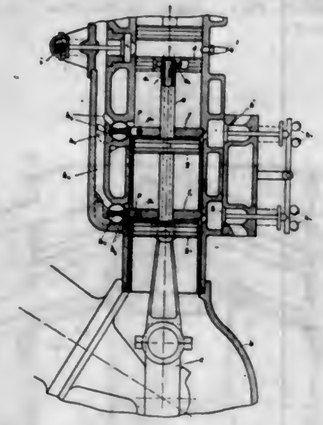
1,634,248. REENFORCED BAKING PAN. ARTHUR KATZINGER, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Filed Oct. 4, 1926. Serial No. 139,480. 4 Claims. (Cl. 53—6.)



4. In a set of baking pans a strap member arranged to unite the pans of the set into a single unit flange on said pans, said strap butting against the sides of said pans and being entirely inclosed by said pans and flanges except at the corners of the set.

1,634,249. EXPLOSION ENGINE WITH FOUR OR MORE WORKING CYLINDERS. SVEN LINDEQUIST, Wilmersdorf, near Berlin, Germany. Filed Mar. 30, 1925. Serial No. 19,487, and in Germany May 1, 1923. 15 Claims. (Cl. 123—37.)

1. In an internal combustion engine, a working cylinder closed at both ends, a piston in said cylinder, the space at one end of said cylinder serving as combustion chamber and the space at the other end of said cylinder serving as compression chamber, a cross-head in the form of a piston connected wtih said first named piston, a compression cylinder for said crosshead piston, an



inlet port for said combustion chamber, outlets for said compression chambers, and a common conduit connecting said outlet to said inlet port.

June 7, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ackerman, Simon, Clothes, Inc., New York, N. Y. Coats, vests, trousers, and overcoats. 228,713; June 7; Serial No. 240,897; published Mar. 29, 1927.

Acme Brick Company, Fort Worth, Tex. Brick. 228,586; June 7; Serial No. 235,090; published Sept. 21, 1926.

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 228,561; June 7; Serial No. 244,340; published Mar. 29, 1927.

All-American Radio Corporation, Chicago, Ill. Batteryless current-supply apparatus for radio receiving sets. 228,794; June 7.

Allsopp Brothers, Newark, N. J. Finger rings made wholly or in part of precious metal or plated therewith. 228,677; June 7; Serial No. 242,162; published Mar. 22, 1927.

Altenburg Roller Mills. (See Dixie-Portland Flour Co.)

American Crayon Company, The, Sandusky, Ohio. Adhesive paste. 228,688; June 7; Serial No. 241,510; Mar. 22, 1927.

American Gear Company, Jackson, Mich. Piston rings. 228,726; June 7; Serial No. 224,642; published Mar. 30, 1926.

American Lady Corset Co., Detroit, Mich. Ladies' wearing apparel. 228,564; June 7; Serial No. 244,343; published Mar. 29, 1927.

American Lithographic Company, New York, N. Y. Advertising posters. 228,527; June 7; Serial No. 243,520; published Mar. 29, 1927.

American Stove Company, Jersey City, N. J., and St. Louis, Mo., to American Stove Company, St. Louis, Mo. Gas stoves, gasolene or vapor stoves, and vapor burners and ovens. 62,261; renewed Apr. 30, 1927.

American Stove Company, Jersey City, N. J., and St. Louis, Mo., to American Stove Company, St. Louis, Mo. Gas ranges or other gas stoves and heaters, vapor stoves and ovens. 62,501; renewed May 14, 1927.

American Stove Company, Jersey City, N. J., and St. Louis, Mo., to American Stove Company, St. Louis, Mo. Gas stoves and heaters and vapor stoves and ovens. 62,658; renewed May 21, 1927.

Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure caps. 228,771; June 7; Serial No. 237,400; published Mar. 22, 1927.

Andrews, Champe S., New Haven, Conn. Box-forming machines, box-making machines, printing machines, etc. 228,725; June 7; Serial No. 224,443; published Mar. 29, 1927.

Anthony, Edward H., doing business as Consolidated Pharmacal Laboratories, Los Angeles, Calif. Ointment. 228,582; June 7; Serial No. 233,864; published Mar. 29, 1927.

Argo Asbestos & Rubber Corporation, Pittsburgh, Pa. Compressed asbestos sheet packing. 228,566; June 7; Serial No. 244,386; published Mar. 29, 1927.

Armstrong Cork Company, Pittsburgh, Pa. Fabric-faced sheets of cork composition. 228,652; June 7; Serial No. 239,284; published Mar. 15, 1927.

Asbestos Shingle, Slate & Sheathing Company, Ambler, Pa. Artificial slate and lumber. 64,829; renewed Aug. 27, 1927.

Associated Merchandising Corporation, New York, N. Y. Hair nets. 228,616; June 7; Serial No. 244,596; published Mar. 29, 1927.

Atlantic Refining Company, Franklin and Philadelphia, Pa., to The Atlantic Refining Company, Philadelphia, Pa. Lubricating oils. 62,389; renewed May 7, 1927.

Atlantic Refining Company, Franklin and Philadelphia, Pa., to The Atlantic Refining Company, Philadelphia, Pa. Lubricating oils. 63,100; renewed June 11, 1927.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils, motor oils, etc. 228,599; June 7; Serial No. 227,625; published Mar. 29, 1927.

Augenblick, Morris, doing business as Morris Shoe Company, New York, N. Y. Leather shoes. 228,623; June 7; Serial No. 239,862; published Mar. 29, 1927.

Auto Box Equipment Co. (See Sayers, Russell O.)

Bakelite Corporation, New York, N. Y. Molding compounds and mixtures adapted for the manufacture of electrical commodities. 228,714; June 7; Serial No. 240,948; published Mar. 22, 1927.

Baker & Company, assignor to Baker Importing Co., Minneapolis, Minn. Coffee and tea. 65,389; renewed Sept. 24, 1927.

Baker & Company, assignor to Baker Importing Co., Minneapolis, Minn. Coffee. 65,520; renewed Oct. 8, 1927.

Baldur A. G. für Gärungslose Früchteverwertung, Berlin/Schoneberg, Germany. Beverages and sirups for making same and mineral water. 228,651; June 7; Serial No. 239,395; published Mar. 15, 1927.

Baldwin-Haggard Company. (See Willis, Leon C.)

Banks, Inc., New York, N. Y. Men's wearing apparel. 228,687; June 7; Serial No. 241,513; published Mar. 29, 1927.

Barker, John F., Produce Company, Inc., Phoenix, Ariz. Eggs. 228,647; June 7; Serial No. 233,717; published Mar. 29, 1927.

Barkin Levin Co., New York, N. Y. Coats. 228,767; June 7; Serial No. 242,039; published Mar. 29, 1927.

Baronet Mills, Inc., College Point, N. Y. Powder puffs. 228,575; June 7; Serial No. 244,535; published Mar. 29, 1927.

Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 228,740; June 7; Serial No. 243,992; published Mar. 29, 1927.

Bayle Food Products Co., St. Louis, Mo. Salad dressing. 228,545; June 7; Serial No. 243,581; published Mar. 29, 1927.

Bear Brand Hosiery Co., Chicago, Ill. Textile articles—namely, hosiery. 228,504; June 7; Serial No. 242,518; published Mar. 1, 1927.

Beckwith Company, The, Reedley, Calif. Canned figs. 228,634; June 7; Serial No. 234,042; published Mar. 29, 1927.

Bennett, F. H., Biscuit Company, New York, N. Y. Animal biscuits. 228,605; June 7; Serial No. 229,613; published Mar. 22, 1927.

Be-Ro-Laboratory. (See Rottmar, Benedikt.)

Biroto, Inc., New York, N. Y. Face powder, face creams, face packs, toilet waters, rouges, etc. 228,522; June 7; Serial No. 242,410; published Mar. 29, 1927.

Bittmann-Todd Grocer Company, The, Kansas City, Kans. Canned fruits, vegetables, berries, mushrooms, preserved figs, etc. 228,613; June 7; Serial No. 232,384; published Mar. 22, 1927.

Blackhawk Petroleum Co., Chicago, Ill. Oils and greases. 228,769; June 7; Serial No. 243,524; published Mar. 22, 1927.

Blackman Stock Remedy Co., assignor to Blackman Stock Remedy Co., Chattanooga, Tenn. Medicated salt brick for livestock. 62,467; renewed May 7, 1927.

Borgfeldt, Geo., & Co., New York, N. Y. Dolls. 65,119; renewed Sept. 10, 1927.

Borgfeldt, Geo., & Co., New York, N. Y. Harmonicas. 65,120; renewed Sept. 10, 1927.

Borgfeldt, Geo., & Co., New York, N. Y. Pocketknives, razors, and table cutlery. 65,212; renewed Sept. 10, 1927.

Borgfeldt, Geo., & Co., New York, N. Y. Certain fancy goods, furnishings, and notions. 65,440; renewed Sept. 24, 1927.

Borkman Radio Corporation, Salt Lake City, Utah. Loud speakers and loud speaker parts. 228,781; June 7.

Boyd-Welsh Shoe Company, St. Louis, Mo. Leather and cloth shoes. 228,806; June 7.

Brach, L. S., Manufacturing Company, Newark, N. J. Lightning arresters and parts thereof. 228,823; June 7.

Brandes Products Corporation, Newark, N. J. Telephone headsets, loud speakers, cabinet-type loud speakers, etc. 228,792; June 7.

Bride & Groom Publishing Co., The. (See Samuels, Alvin A.)

British American Metals Company, Inc., New York, N. Y. Pipes and tubes manufactured from nonferrous metals. 228,537; June 7; Serial No. 237,109; published Mar. 29, 1927.

Brosius, Edgar E., Pittsburgh, Pa. Cinder notch stoppers for blast furnaces, automatic mud guns for plugging blast furnaces, etc. 228,821; June 7.

Brouillet, Hector A., Holland, Mich. Fresh apples. 228,755; June 7; Serial No. 237,651; published Mar. 29, 1927.

Brown & Bigelow, St. Paul, Minn. Periodical. 228,600; June 7; Serial No. 227,773; published Mar. 29, 1927.

Brunswick Coca Cola Bottling Co. (See Copeland, M. A.)

Buegeleisen & Jacobson, New York, N. Y. Ukuleles, banjos, mandolins, etc. 228,720; June 7; Serial No. 241,922; published Mar. 29, 1927.

Bulova, Adolph, New York, N. Y. Toilet paper. 228,750; June 7; Serial No. 244,131; published Mar. 29, 1927.

Burk, Louis, Inc., Philadelphia, Pa. Cured pork roll composed of boiled hams and shoulders. 228,825; June 7.

Buser Silk Co. Inc., New York, N. Y. Ribbons. 228,744; June 7; Serial No. 244,132; published Mar 29, 1927.

Butler, Charles R., doing business as Butler Mfg. Co., Indianapolis, Ind. Pistons for use in internal-combustion and steam engines, pumps, and compressors. 228,622; June 7; Serial No. 238,895; published Mar. 29, 1927.

California Crushed Fruit Corporation, Los Angeles, Calif. Beverages sold as soft drinks, etc. 228,699; June 7; Serial No. 211,199; published Nov. 30, 1926.

Cameron Coal Company, Philadelphia, Pa. Bituminous coal. 228,552; June 7; Serial No. 242,947; published Mar. 22, 1927.

Camfield Radio Manufacturing Company, Oakland, Calif. Coils for radio apparatus. 228,734; June 7; Serial No. 226,761; published Mar. 22, 1927.

Cardoso, Seabra & Co., Rio de Janeiro, Brazil. Preparation used in the treatment of tuberculosis. 228,627; June 7; Serial No. 239,737; published Mar. 29, 1927.

Carter Medicine Company, New York, N. Y. Iron pills. 228,614; June 7; Serial No. 232,450; published Mar. 29, 1927.

Carter Medicine Company, New York, N. Y. Nervine pills. 228,668; June 7; Serial No. 232,451; published Mar. 29, 1927.
Cellucotton Products Company, doing business as Kleenex Company, Neenah, Wis., assignor to Kotex Company, Chicago, Ill. Absorbent pads or sheets for removing cold cream. 228,597; June 7; Serial No. 228,803; published Apr. 27, 1926.
Cellular Clothing Company, Limited, London, England. Clothing. 61,664; renewed Apr. 2, 1927.
Cellular Clothing Company, Limited, London, England. Articles of clothing. 63,163; renewed June 11, 1927.
Central Malt Products Company, Detroit, Mich. Malt extract. 228,565; June 7; Serial No. 244,348; published Mar. 29, 1927.
Century Pharmacal Co. (See Goldstein, Samuel A.)
Chamberlin Metal Weatherstrip Company, Detroit, Mich. Weather strips. 228,638; June 7; Serial No. 242,168; published Mar. 15, 1927.
Chem. Fabriken Kunheim & Co. A. G., Berlin, Germany. Ammonium carbonate, ammonium chloride, barium carbonate, etc. 228,666; June 7; Serial No. 232,868; published Mar. 29, 1927.
Chicago Fuse Mfg. Co., Chicago, Ill. Outlet boxes, switch boxes, hangers, mounting bars, and lath supports. 228,602; June 7; Serial No. 228,645; published Mar. 22, 1927.
Chicago Human Hair Co. (See Cohen, Jacob.)
Chicago Pneumatic Tool Company, New York, N. Y. Cooling and condensing apparatus. 228,787; June 7.
Cigar Stores Novelty Co. (See Field, Jacob W.)
Cincinnati Art Publishing Company, The, Cincinnati, Ohio. Paper easel supports for art cards. 228,632; June 7; Serial No. 243,998; published Mar. 29, 1927.
Clewell, Thos. B. & Son, Allentown, Pa. Potato chips. 66,039; renewed Nov. 5, 1927.
Clinton Cartridge Company. (See Sears, Roebuck and Co.)
Clynton Tea Co. (See Ford, Gertrude H.)
Cohen, Jacob, doing business as Chicago Human Hair Co., Kansas City, Mo. Hair tonics, face creams, mouth and eye washes, skin lotions, etc. 228,727; June 7; Serial No. 224,858; published Mar. 29, 1927.
Cohn & Rosenberger, Inc., New York, N. Y. Pearls, pearl necklaces, brooches, bar pins, buckles, etc. 228,716; June 7; Serial No. 241,520; published Mar. 22, 1927.
Colgate & Company Jersey City, N. J., and New York, N. Y. Shaving sticks and shaving soap. 228,517; June 7; Serial No. 243,417; published Mar. 29, 1927.
Collins Hardware Company, Lynn, Mass., assignor to Raymond A. Smart, Winchester, Mass. Felt roofing. 62,148; renewed Apr. 23, 1927.
Colonial Import Co. (See Matsuoka, Atow.)
Colton Fruit Exchange, Colton, Calif. Citrous fruits. 228,584; June 7; Serial No. 234,098; published Mar. 29, 1927.
Combine Hosiery Corporation, Wilmington, Del., and New York, N. Y. Hosiery. 228,774; June 7; Serial No. 243,349; published Mar. 29, 1927.
Consolidated Pharmacal Laboratories. (See Anthony, Edward H.)
Co-Operative Wholesale Society, Limited, Manchester, England. Woolen piece goods. 228,514; June 7; Serial No. 242,776; published Mar. 29, 1927.
Copeland, M. A., doing business as Brunswick Coca Cola Bottling Co., Brunswick, Ga. Carbonated, nonalcoholic, noncereal, maltless beverages. 228,569; June 7; Serial No. 244,429; published Mar. 29, 1927.
Corn Products Refining Company, New York, N. Y. Cornstarch. 228,711; June 7; Serial No. 240,701; published Mar. 22, 1927.
Coronite Manufacturing Company, Inc., Long Island City, N. Y. Cementitious powder used for building or construction purposes. 228,728; June 7; Serial No. 225,075; published Aug. 3, 1926.
Craddock-Terry Company, Lynchburg, Va. Leather boots and shoes. 64,587–8; renewed Aug. 13, 1927.
Cream City Oil Company, North Milwaukee, Wis. Gasoline, fuel and lubricating oils, and lubricating greases. 228,719; June 7; Serial No. 241,875; published Mar. 22, 1927.
Cultured Coffee Corporation, The, St. Louis, Mo. Coffee. 228,762; June 7; Serial No. 241,931; published Mar. 29, 1927.
Curtiss Candy Company, The, Chicago, Ill. Pastry and cakes. 228,518; June 7; Serial No. 243,424; published Mar. 22, 1927.
Cyclists' Touring Club, The, London, England. Lockets, brooches, and badges. 60,226; renewed June 29, 1927.
Daviess County Distilling Co., The, Owensboro, Ky. Whisky. 62,722; renewed May 21, 1927.
Dayton Scale Company, New York, N. Y. Weighing scales. 228,694–5; June 7; Serial Nos. 241,606–7; published Mar. 29, 1927.
De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Fuel oils. 228,612; June 7; Serial No. 232,260; published Mar. 22, 1927.
Deringer Fuel Company, Spangler, Pa. Coal. 228,637; June 7; Serial No. 242,227; published Mar. 22, 1927.
Dessert Manufacturing Co., The, Toledo, Ohio. Gelatin dessert preparation. 228,541; June 7; Serial No. 242,417; published Mar. 22, 1927.
Detroit All Copper Heater Company, Detroit, Mich. Water heaters. 228,820; June 7.
Diamond Braiding Mills, Chicago Heights, Ill. Rubber-covered insulated wire. 228,662; June 7; Serial No. 242,575; published Mar. 29, 1927.
Dickinson, Edward B., Inc., New York, N. Y. Earthenware tableware. 228,644; June 7; Serial No. 243,039; published Mar. 29, 1927.
Dixie-Portland Flour Co., doing business as Altenburg Roller Mills, Memphis, Tenn. Wheat flour. 228,801; June 7.
Doerr & Reinhart, Worms, Germany. Leather. 228,594; June 7; Serial No. 239,576; published Mar. 15, 1927.
Dover Manufacturing Co., The, Dover, Ohio. Electric appliances—namely, smoothing irons. 228,717; June 7; Serial No. 241,566; published Mar. 22, 1927.
Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Sewing machines, agricultural and horticultural machines and parts thereof, etc. 228,763; June 7; Serial No. 241,937; published Mar. 29, 1927.
Earnshaw Knitting Company, Newton, Mass. Underwear. 228,691; June 7; Serial No. 241,042; published Mar. 29, 1927.
Eastern Dairies, Inc. (See Semon Ice Cream Company, The, assignor.)
Eavenson, J., & Sons, etc., Philadelphia, Pa., and Camden, N. J. Soap. 228,690; June 7; Serial No. 241,567; published Mar. 29, 1927.
Eavenson, J., & Sons, Inc., Philadelphia, Pa., and Camden, N. J. Soap. 228,697; June 7; Serial No. 241,707; published Mar. 29, 1927.
Eclipse Fountain Pen & Pencil Corporation, New York, N. Y. Fountain pens and pencils. 228,570; June 7; Serial No. 244,435; published Mar. 29, 1927.
Eesley, J. F., Milling Company, Plainwell, Mich. Wheat flour. 228,519; June 7; Serial No. 243,428; published Mar. 22, 1927.
Electric Furnace Company, The, Salem, Ohio. Electric furnaces and electric heating elements therefor. 228,798; June 7.
Electric Vacuum Lawn Mower Company, Stockton, Calif. Lawn mowers. 228,624; June 7; Serial No. 240,770; published Mar. 29, 1927.
Ely & Walker Dry Goods Co., St. Louis, Mo. Dresses. 228,803; June 7.
Emerson Company, The. (See Hogg, Kathryn.)
Enterprise Metal Bed Co., Inc., Brooklyn, N. Y. Metal chairs for offices and households. 228,808; June 7.
Everkeen Corporation, Detroit, Mich. Magnetic razor-blade sharpeners. 228,580; June 7; Serial No. 244,993; published Apr. 5, 1927.
Fayssoux, W. L., doing business as The Old North State Company, Gastonia, N. C. Hickory-fiber broom splints for filling street-sweeper rolls and for push brooms. 228,751; June 7; Serial No. 244,146; published Mar. 29, 1927.
Feinson, Jos. M., Inc., New York, N. Y. Silk neckties. 228,628; June 7; Serial No. 239,703; published Mar. 29, 1927.
Fevre & Cie., Paris, France. Natural cut rock, marble, and other materials. 228,768; June 7; Serial No. 242,055; published Mar. 22, 1927.
Field, Jacob W., doing business as Cigar Stores Novelty Co., Peoria, Ill. Dice boxes. 228,506; June 7; Serial No. 242,582; published Mar. 29, 1927.
Figonet Company, The, Rochester, N. Y. Candy confections. 228,649; June 7; Serial No. 233,482; published May 3, 1927.
First National Stores, Inc., Boston, Mass. Butter, cheese, condensed milk, evaporated milk, malted milk, etc. 228,540; June 7; Serial No. 240,967; published Mar. 29, 1927.
Fitz, Charles Leo, Inc., Mayville, Wis. Screens upon which moving pictures may be projected. 228,595; June 7; Serial No. 239,746; published Mar. 29, 1927.
Fleetwood Laboratories, Inc., New York, N. Y. Radio-receiving sets, radio transmitting and receiving vacuum tubes, etc. 228,593; June 7; Serial No. 239,402; published Mar. 15, 1927.
Follmer, Clogg & Co., Philadelphia, Lancaster, and Columbia, Pa.; New York, N. Y.; and San Francisco, Calif. Umbrellas. 228,772; June 7; Serial No. 237,452; published Feb. 8, 1927.
Ford, Gertrude H., doing business as Clynton Tea Co., New York, N. Y. Tea. 228,573; June 7; Serial No. 244,496; published Mar. 29, 1927.
Franco-Italian Packing Co., Inc., East San Pedro, Calif. Canned fish. 228,589; June 7; Serial No. 236,738; published Mar. 29, 1927.
Frank Bros. & Co., New York, N. Y. Men's flannel shirts. 62,575; renewed May 14, 1927.
Frank Bros. & Co., New York, N. Y. Men's knitted underwear. 63,118; renewed June 4, 1927.
Fuller Milling Company, Inc., Albany and Schenectady, N. Y. Self-rising buckwheat floor, pancake and pure buckwheat flour, and stock and scratch feed. 228,534; June 7; Serial No. 243,650; published Mar. 22, 1927.
Galow, Herbert F., doing business as Hyo-San Laboratories, Detroit, Mich. Body deodorant and antiseptic. 228,675; June 7; Serial No. 243,851; published Mar. 29, 1927.
Gillinder & Sons, Inc., Philadelphia, Pa. Glass articles. 65,794; renewed Oct. 22, 1927.
Gimbel Brothers, Inc., New York, N. Y. Suits and overcoats. 228,636; June 7; Serial No. 242,119; published Mar. 29, 1927.

Glidden Varnish Company, The, assignor to The Glidden Company, Cleveland, Ohio. Liquid wood filler. 62,496; renewed May 7, 1927.
Godde, Albert, Bedin, Inc., New York, N. Y. Silk piece goods. 228,615; June 7; Serial No. 244,592; published Mar. 29, 1927.
Goldstein, Philip, Inc., New York, N. Y. Boys' suits. 228,510; June 7; Serial No. 242,663; published Mar. 29, 1927.
Goldstein, Samuel A., doing business as Century Pharmacal Co., New York, N. Y. Medicinal preparation. 228,577–8; June 7; Serial Nos. 244,556–7; published Mar. 29, 1927.
Gotham Silk Hosiery Company, Inc., New York, N. Y. Hosiery. 228,528; June 7; Serial No. 243,544; published Mar. 29, 1927.
Great Atlantic & Pacific Tea Co., The, Jersey City, N. J. Butter. 228,640; June 7; Serial No. 242,290; published Mar. 22, 1927.
Great Eastern Manufacturing Company. (See Waxman, Benjamin.)
Greenberg, Harry, Co., Inc., New York, N. Y. Ladies' and misses' sport and tailored frocks, hats, gloves, hosiery, etc. 228,684; June 7; Serial No. 241,224; published Mar. 29, 1927.
Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Cymbals. 228,592; June 7; Serial No. 237,857; published Mar. 22, 1927.
Guide-O-Light Company, The. (See Kenney, Charles H.)
Guignie, Leon F., doing business as L. F. Guignie, Grenoble, France. Leather gloves. 228,729; June 7; Serial No. 226,138; published Mar. 29, 1927.
Haas, Adolph R., Inc., Chicago, Ill. Misses' frocks. 228,608; June 7; Serial No. 230,172; published Oct. 26, 1926.
Haire Publishing Co., Inc., New York, N. Y. Magazine. 228,708–10; June 7; Serial Nos. 240,651–3; published Mar. 29, 1927.
Hamilton Seed & Coal Co., Cedar Rapids, Iowa. Farm and garden seeds. 228,722; June 7; Serial No. 242,001; published Mar. 15, 1927.
Hanley & Kinsella Coffee and Spice Co., St. Louis, Mo. Spices. 228,796; June 7.
Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, Calif. Magazine. 228,560; June 7; Serial No. 242,374; published Mar. 29, 1927.
Harwood, George S., & Son, Boston, Mass. Machinery. 65,609; renewed Oct. 8, 1927.
Hawaiian Coffee Planters. (See Karmen, Bernard H.)
Hawaiian Packing Company. (See Karmen, Bernard H., assignor.)
Hecht Co., The, Washington, D. C., also doing business as The Hub, Baltimore, Md. Men's and boys' suits, topcoats, and overcoats. 228,557; June 7; Serial No. 242,830; published Mar. 29, 1927.
Heichelbech, John, St. Louis, Mo. Food-flavoring extracts and fruit preserves. 228,733; June 7; Serial No. 226,724; published Mar. 29, 1927.
Hi-Bred Corn Company, The, Des Moines, Iowa. Seed corn. 228,663; June 7; Serial No. 233,003; published Mar. 22, 1927.
Hickey-Freeman Co., Rochester, N. Y. Men's suits. 228,785; June 7.
Highland Fruit Growers Association, Highland, Calif. Fresh citrous fruits. 228,746; June 7; Serial No. 244,073; published Mar. 29, 1927.
Hill Manufacturing Company, Lewiston, Me., assignor to Hill Manufacturing Co., Boston, Mass. Woven cotton piece goods. 65,592–3; renewed Oct. 8, 1927.
Hoffman Heater Company, The, Louisville, Ky. Automatic gas storage systems for the storage of water. 228,818; June 7.
Hogg, Kathryn, doing business as The Emerson Company, Philadelphia, Pa. Uniforms. 228,809; June 7.
Holland Furniture Company, Holland, Mich. Bedroom furniture. 228,773; June 7; Serial No. 243,311; published Mar. 29, 1927.
Holyoke Card & Paper Company, Springfield, Mass. Writing and printing paper. 228,535; June 7; Serial No. 243,053; published Mar. 29, 1927.
Hopper Paper Company, Taylorville, Ill. Writing paper. 228,631; June 7; Serial No. 243,950; published Mar. 29, 1927.
Hospital Supply Company and Watters Laboratories, Consolidated, New York, N. Y. Bedpan washers, sterilizers, and racks. 228,724; June 7; Serial No. 224,023; published Mar. 29, 1927.
Hotstream Heater Co., The, Cleveland, Ohio. Combined couplings and thermostat receivers for hot-water heating systems. 228,601; June 7; Serial No. 227,839; published Mar. 29, 1927.
Houghton, E. F., & Co., Philadelphia, Pa. Compounds for the fulling and scouring of woolen, worsted, etc. 228,672; June 7; Serial No. 243,810; published Mar. 29, 1927.
House, Leslie A., doing business as No-Tum-Suk Company, Unincorporated, Elmhurst, Ill. Preparation to cure finger sucking and fingernail biting. 228,531; June 7; Serial No. 243,606; published Mar. 29, 1927.
Hub, The. (See Hecht Co., The.)
Hudnut, Richard, New York, N. Y. Perfume and toilet water, talcum powder, face powder, etc. 228,747; June 7; Serial No. 244,074; published Mar. 29, 1927.
Hudor Co., The, Buffalo, N. Y. Carbonated, nonalcoholic, noncereal, maltless beverages. 228,515; June 7; Serial No. 242,784; published Mar. 29, 1927.
Hunt, Robert W., Company, Chicago, Ill. Fabricated structural steel. 228,550; June 7; Serial No. 242,995; published Mar. 22, 1927.
Hutchinson Coal Company, Fairmont, W. Va. Coal. 228,645; June 7; Serial No. 243,094; published Mar. 22, 1927.
Hylton Flour Mills, Inc., Ogden, Utah. Wheat flour. 228,667; June 7; Serial No. 232,774; published Mar. 22, 1927.
Hyo-San Laboratories. (See Galow, Herbert F.)
Jackson, Ben, New Orleans, La. Display cases. 228,654; June 7; Serial No. 238,859; published Mar. 29, 1927.
Johnson Belting Company, Inc., New York, N. Y. Leather belting. 228,633; June 7; Serial No. 244,015; published Mar. 29, 1927.
Johnson, Mr. and Mrs. Harry S., Oskaloosa, Iowa. Chocolates, fudges, candy bars, etc. 228,819; June 7.
Jordan Marsh Company, Boston, Mass. Brassières. 228,620; June 7; Serial No. 240,028; published Mar. 29, 1927.
Jordan Marsh Company, Boston, Mass. Dress shields. 228,656; June 7; Serial No. 240,608; published Mar. 29, 1927.
Kahanowicz, Rose H. T., Brooklyn, N. Y. Medicinal herbs. 228,536; June 7; Serial No. 243,706; published Mar. 29, 1927.
Karmen, Bernard H., doing business as Hawaiian Coffee Planters, Honolulu, assignor to Hawaiian Packing Company, Ltd., Hilo, Hawaii. Coffee. 228,553; June 7; Serial No. 242,939; published Mar. 1, 1927.
Kaynee Company, The, Cleveland, Ohio. Pyjamas. 228,793; June 7.
Kenney, Charles H., doing business as The Guide-O-Light Company, New London, Conn. Vehicle direction signal. 228,700; June 7; Serial No. 212,383; published Mar. 29, 1927.
Kielar, Stanislaw, doing business as Non-Slip Buckle Co., Milwaukee, Wis. Belt buckles. 228,795; June 7.
Kleenex Company. (See Cellucotton Products Company.)
Kobayashi, Tomijiro, Tokio, Japan. Tooth powder. 61,013; renewed Feb. 26, 1927.
Koscherak Siphon Bottle Works, Hoboken, N. J. Battery terminal connecters. 228,800; June 7.
Kotex Company. (See Cellucotton Products Company, assignor.)
Kozik, John M., Hudson, Pa. Carbonated, nonalcoholic, noncereal, maltless beverages. 228,653; June 7; Serial No. 238,860; published Mar. 29, 1927.
La Crosse Rubber Mills Co., La Crosse, Wis. Overshoes and gaiters. 228,791; June 7.
Langrock, D. T., Inc., New Haven, Conn. Hats and caps for men. 228,512; June 7; Serial No. 242,730; published Mar. 29, 1927.
Lasser, John F., doing business as Night Club Co., Chicago, Ill. Ginger ale. 228,571; June 7; Serial No. 244,451; published Mar. 29, 1927.
Lauber & Lauber Co., Chicago, Ill. Medicinal preparation. 228,579; June 7; Serial No. 244,699; published Mar. 29, 1927.
Laucks, I. F., Inc., Seattle, Wash. Plastic wall or floor coating. 228,554; June 7; Serial No. 242,899; published Mar. 22, 1927.
Les-Go, Inc., Tampa, Fla. Beverage sold as soft drinks. 228,576; June 7; Serial No. 243,550; published Mar. 29, 1927.
Levy & Levis Company, Inc., The, New York, N. Y. Dried vegetables and fruits, nuts, spices, etc. 228,558; June 7; Serial No. 233,738; published Mar. 29, 1927.
Lewis-Geer Manufacturing Company, Ypsilanti, Mich. Coaster wagons and scooters. 228,782; June 7.
Lieberitz, S., & Sons, Inc., New York, N. Y. Dress and negligee shirts. 228,532; June 7; Serial No. 243,611; published Mar. 29, 1927.
Linette Chocolate Company, Reading, Pa. Candies. 228,626; June 7; Serial No. 239,761; published Mar. 29, 1927.
Lipps, Frederick W., Company, Inc., The, Baltimore, Md. Candy. 228,574; June 7; Serial No. 244,505; published Mar. 29, 1927.
Lockport Cotton Batting Co., Lockport, N. Y. Cotton or wool batting. 228,641–2; June 7; Serial Nos. 242,343–4; published Mar. 15, 1927.
Louisville Milling Company, Minneapolis, Minn. Wheat flour. 228,723; June 7; Serial No. 221,123; published Mar. 22, 1927.
MacKenzie, Robert F., Company, The, Cleveland, Ohio. Candy. 64,400; renewed Aug. 6, 1927.
Macy, R. H., & Co., Inc., New York, N. Y. Tobacco. 228,822; June 7.
Manning, C. A., Shoe Company, The, Meriden and Waterbury, Conn. Shoes. 228,760; June 7; Serial No. 241,688; published Mar. 29, 1927.
Maple Grove Candies, Inc., St. Johnsbury, Vt. Sirup and sugar. 228,547; June 7; Serial No. 243,958; published Mar. 29, 1927.
Masco Drug Corporation, Lynn, Mass. Medicine for the relief of coughs, colds, etc. 228,779; June 7; Serial No. 243,163; published Mar. 29, 1927.
Matsuoka, Atow, doing business at Colonial Import Co., San Francisco, Calif. Ornamental pendants for personal wear. 228,658; June 7; Serial No. 242,384; Mar. 29, 1927.

Mayflower Oil Co., Boston, Mass. Gasoline, kerosene, lubricating oils, etc. 228,735; June 7; Serial No. 226,815; published Mar. 29, 1927.
Metal Textile Corporation, West Orange, N. J. Knitted metallic fabrics. 228,603; June 7; Serial No. 228,719; published Mar. 29, 1927.
Midwest Steel & Supply Company, Inc., New York, N. Y. Safety filling attachments and valves for cans, tanks, etc. 228,736; June 7; Serial No. 243,617; published Mar. 29, 1927.
Midwestern Refining Co. (See Price, J. Foster.)
Miller, Charles N., Company, Boston, Mass. Candles. 228,650; June 7; Serial No. 227,408; published Mar. 29, 1927.
Millers Falls Company. (See West Haven Mfg. Co., The, assignor.)
Milton, E. H., and Sons, Sedalia, Mo. Gasoline, kerosene, burning oils, fuel oils, and distillate. 228,715; June 7; Serial No. 241,426; published Mar. 22, 1927.
Monroe Milling Company, Waterloo, Ill. Wheat flour. 228,610; June 7; Serial No. 232,029; published Mar. 22, 1927.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Clothing. 228,810; June 7.
Monward Realty Co., St. Louis, Mo. Publication. 228,520; June 7; Serial No. 243,448; published Mar. 29, 1927.
Morrow-Kidder Milling Company, Carthage, Mo. Wheat flour. 228,712; June 7; Serial No. 240,729; published Mar. 22, 1927.
Munn, A. R., Inc., doing business as Prevent-O-Clasia Co., Atlanta, Ga., and New York, N. Y. Tooth paste. 228,556; June 7; Serial No. 242,843; published Mar. 29, 1927.
My Pal Products, Chicago, Ill. Vacuum heat-insulated jugs and bottles. 228,585; June 7; Serial No. 234,624; published Mar. 29, 1927.
Myers, Geo. T., & Co., Seattle, Wash. Canned salmon. 228,764; June 7; Serial No. 241,951; published Mar. 29, 1927.
Narrownap Folding Machine Co., doing business at National Paper Napkin Company, Chicago, Ill. Folded paper napkins. 228,797; June 7.
National Asbestos Shingle Corporation, New York, N. Y. Shingles. 228,663; June 7; Serial No. 242,088; published Mar. 15, 1927.
National Cloak & Suit Co., New York, N. Y. Rugs and mats of linoleum or similar substance. 228,617; June 7; Serial No. 244,713; published Mar. 29, 1927.
National Gypsum Company, Buffalo, N. Y. Wall board. 228,669; June 7; Serial No. 242,389; published Mar. 15, 1927.
National Paper Napkin Company. (See Narrownap Folding Machine Co.)
National Sales & Manufacturing Co., Des Moines, Iowa. Washing machines. 228,588; June 7; Serial No. 236,048; published Mar. 29, 1927.
Neal, Marshall S., doing business as Marshall Neal & Company, Pasadena, Calif. Stuffed figs, fig chews, preserved figs, pickles, grape jelly, etc. 228,539; June 7; Serial No. 240,676; published Mar. 22, 1927.
Night Club Co. (See Lasser, John F.)
Noe, Wm. R., to William R. Noe & Sons, New York, N. Y., successor. Lamp chimneys. 62,358; renewed Apr. 30, 1927.
Non-Slip Buckle Co. (See Kielar, Stanislaw.)
North American Coal Corporation, The, Cleveland, Ohio. Coal, carbonized fuel, and coke. 228,500–2; June 7; Serial Nos. 242,491–3; published Mar. 15, 1927.
Northrup, King & Co., Minneapolis, Minn. Lawn-grass seed. 228,511; June 7; Serial No. 242,689; published Mar. 15, 1927.
Northwest Gypsum Products Company, Lewistown, Mont. Gypsum tile. 228,777; June 7; Serial No. 243,062; published Mar. 22, 1927.
No-Tum-Snk Company. (See House, Leslie A.)
Ohio Butterine Company, The, Cincinnati, Ohio. Oleomargarine. 228,752; June 7; Serial No. 244,174; published Mar. 22, 1927.
Old North State Company, The. (See Fayssoux, W. I.)
Old Trusty Dog Food Company, Needham Heights, Mass. Dog food. 228,804; June 7.
Olive Products Company, Oroville, Calif. Canned olives and olive oil. 228,676; June 7; Serial No. 243,876; published Mar. 29, 1927.
Orchard, Marguerite B., Long Beach, Calif. Face whitening and skin lotion. 228,607; June 7; Serial No. 229,875; published Mar. 29, 1927.
Orchestron Company, Glendale, Calif. Radio loud speaker. 228,596; June 7; Serial No. 239,802; published Mar. 22, 1927.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Silk piece goods. 228,788; June 7.
Pacific Harvest Hat Company, Los Angeles, Calif. Hats. 228,765; June 7; Serial No. 241,956; published Mar. 29, 1927.
Palazzolo, Antonio, Cincinnati, Ohio. Macaroni. 228,543; June 7; Serial No. 243,167; published Mar. 22, 1927.
Parke, Davis & Company, Detroit, Mich. Local anaesthetic and hypodermic tablets. 228,748; June 7; Serial No. 244,103; published Mar. 29, 1927.
Paterson Parchment Paper Co., The, Passaic, N. J. Paper. 228,678; June 7; Serial No. 243,827; published Mar. 29, 1927.
Patterson, Emily B., Streator, Ill. Cooked corn relish. 228,681; June 7; Serial No. 241,496; published Mar. 29, 1927.
Pattison, A. T., & Co., New Orleans, La. Shingles, ridge tiles, and sheets composed of asbestos fiber and cement. 228,767; June 7; Serial No. 241,787; published Mar. 15, 1927.
Pease, Clarke D., Inc., New York, N. Y. Automobile, motor-boat, and aeroplane motors and spare parts thereof. 228,778; June 7; Serial No. 243,108; published Mar. 29, 1927.
Peerless Bakery, The, San Francisco, Calif. Bread and cakes. 228,817; June 7.
Peerless Cotton Mills, Thomaston, Ga. Cotton piece goods. 228,811; June 7.
Penn Leather Company, Philadelphia, Pa. Leather, tap, half, and slip soles. 228,540; June 7; Serial No. 243,012; published Mar. 29, 1927.
Perfection Biscuit Co., Fort Wayne, Ind. Bread. 228,521; June 7; Serial No. 243,454; published Mar. 22, 1927.
Pets Publishing Company, The, Cleveland, Ohio. Publication. 228,551; June 7; Serial No. 242,904; published Mar. 29, 1927.
Piedmont Mfg. Co., Piedmont, S. C. Sheetings. 64,226; renewed July 30, 1927.
Pittsburg and Midway Coal Mining Company, The, Kansas City, Mo. Coal. 228,761; June 7; Serial No. 241,902; published Mar. 15, 1927.
Plaza Music Company, New York, N. Y. Sound boxes for talking machines and phonographs. 228,789; June 7.
Pope, Arthur S., Santa Barbara, Calif. Educational kindergarten devices. 228,548; June 7; Serial No. 243,014; published Mar. 29, 1927.
Prevent-O-Clasia Co. (See Munn, A. R., Inc.)
Price, J. Foster, doing business as Midwestern Refining Co., Toledo, Ohio. Lubricating oils and greases. 228,692; June 7; Serial No. 241,581; published Mar. 29, 1927.
Pro-Grow Process Co., Minneapolis, Minn. Hair and scalp ointment. 228,505; June 7; Serial No. 242,548; published Mar. 29, 1927.
Prospect Operations, Inc., Newark, N. J. Paintbrushes. 228,507; June 7; Serial No. 244,413; published Mar. 29, 1927.
Pyrene Manufacturing Company, Newark, N. J. Portable fire extinguishers. 228,524; June 7; Serial No. 243,500; published Mar. 29, 1927.
Queen Dress & Skirt Company, Milwaukee, Wis. Dresses and frocks. 228,758; June 7; Serial No. 241,788; published Mar. 29, 1927.
Ramsey, James C., Roswell, N. Mex. Friction fire starter. 228,503; June 7; Serial No. 242,501; published Mar. 29, 1927.
Ren-Patterson Milling Company, The, Coffeyville, Kans. Wheat flour. 64,754; renewed Aug. 20, 1927.
Reading Maid Hosiery Mills, Reading, Pa. Hosiery. 228,685; June 7; Serial No. 241,181; published Mar. 29, 1927.
Red Dot Chemical Company, Indianapolis, Ind. Window-shade cleaner. 228,625; June 7; Serial No. 239,769; published Mar. 29, 1927.
Remington Arms Company, Inc., Bridgeport, Conn., Ilion and New York, N. Y. Ammunition. 228,815; June 7.
Rex Research Corporation, Toledo, Ohio. Rodent exterminator. 228,674; June 7; Serial No. 243,830; published Mar. 29, 1927.
Roberts & Oake, Chicago, Ill. Eggs. 228,802; June 7.
Rochester Paper Co., Rochester, Mich. Blotting paper. 228,552–3; June 7; Serial Nos. 244,323–4; published Mar. 29, 1927.
Rochester Paper Co., Rochester, Mich. Blotting paper. 228,754; June 7; Serial No. 244,322; published Mar. 29, 1927.
Rochlin, F., Milling Corp., Catskill, N. Y. Brown buckwheat groats and German grits. 228,635; June 7; Serial No. 242,067; published Mar. 22, 1927.
Rock Run Mills, Goshen, Ind. Leg and foot warming bags or garments. 228,704; June 7; Serial No. 240,097; published Mar. 29, 1927.
Rockford Mitten & Hosiery Company, Rockford, Ill. Outer garments. 228,682; June 7; Serial No. 241,441; published Mar. 29, 1927.
Root Manufacturing Company, Cohoes, N. Y. Knitted underwear. 228,703; June 7; Serial No. 220,144; published Mar. 29, 1927.
Roper, Geo. D., Corporation, Rockford, Ill. Electric stoves, plates, and ranges. 228,702; June 7; Serial No. 219,913; published Mar. 22, 1927.
Rose Dell Candy Shops, Inc., Sidney, Ohio. Candy. 228,689; June 7; Serial No. 241,243; published Mar. 29, 1927.
Rosenthal, A. S., Company, Inc., New York, N. Y. Crêpe de chine in the piece. 228,807; June 7.
Rosnap Envelope Manufacturing Co. Inc., New York and Brooklyn, N. Y. Paper products. 228,648; June 7; Serial No. 233,579; published Aug. 3, 1926.
Rottmar, Benedikt, doing business as Re-Ro-Laboratory, Brooklyn, N. Y. Preparation for reviving and promoting the better functioning of the organs and nerves, etc. 228,766; June 7; Serial No. 241,961; published Mar. 29, 1927.
Rusconi, Louis, Fresno, Calif. Grapes. 228,799; June 7.

St. Louis Convention, Publicity and Tourist Bureau, St. Louis, Mo. Weekly publication. 228,621; June 7; Serial No. 239,898; published Mar. 29, 1927.
Salz Bros., Inc., New York, N. Y. Fountain pens and pencils. 228,507; June 7; Serial No. 242,623; published Mar. 29, 1927.
Samuel, Barnett, and Sons Limited, London, England. Talking machines and records. 228,686; June 7; Serial No. 237,145; published Mar. 29, 1927.
Samuels, Alvin A., doing business as The Bride & Groom Publishing Co., New York, N. Y. Publication. 228,683; June 7; Serial No. 241,358; published Mar. 29, 1927.
Sanat Refrigerating Company, New York, N. Y. Refrigerators and refrigerating machinery. 228,670; June 7; Serial No. 243,728; published Mar. 22, 1927.
San Francisco Brewing Company. (See Stratton, H. D.)
Sayers, Russell O., doing business as Auto Box Equipment Co., Mount Vernon, N. Y. Automobile license and ownership card boxes. 228,587; June 7; Serial No. 235,656; published Mar. 29, 1927.
Schmitt-Orlow Company, Milwaukee, Wis. Overcoats. 228,498; June 7; Serial No. 242,442; published Mar. 29, 1927.
Schoneberger & Noble, Inc., Nw York, N. Y. Beverages. 228,759; June 7; Serial No. 241,794; published Mar. 29, 1927.
Schroder, J. Henry, Banking Corporation, New York, N. Y. Financial publication. 228,696; June 7; Serial No. 241,638; published Mar. 29, 1927.
Schwarz & Son, Newark, N. J. Candy. 228,568; June 7; Serial No. 244,414; published Mar. 29, 1927.
Schweitzer and Conrad, Chicago, Ill. Fuse mountings, relays, supports, switches, choke coils, etc. 228,718; June 7; Serial No. 241,748; published Mar. 15, 1927.
Sears, Roebuck and Co., doing business as Clinton Cartridge Company, Chicago, Ill. Shotgun shells. 228,824; June 7.
Sedgley, R. F., Inc., Philadelphia, Pa. Revolvers. 228,591; June 7; Serial No. 237,705; published Mar. 29, 1927.
Selmer, H. & A., Inc., New York, N. Y. Clarinet and saxophone reeds and saxophone mouthpieces. 228,657; June 7; Serial No. 243,287; published Mar. 29, 1927.
Semon Ice Cream Company, The, New Haven, Conn., assignor to Eastern Dairies, Inc., Springfield, Mass. Ice cream and frozen puddings. 65,406; renewed Sept. 24, 1927.
Service Grocer Company, Inc., Detroit, Mich. Canned fruits, vegetables, and salmon; coffee, tea, jams, jellies, etc. 228,538; June 7; Serial No. 238,747; published Mar. 22, 1927.
Serv-Rite Corporation, Los Angeles, Calif. Peanut butter. 228,542; June 7; Serial No. 242,753; published Mar. 22, 1927.
Serv-Us-Lite Manufacturing Co., Cleveland, Ohio. Automobile trouble lights. 228,659; June 7; Serial No. 242,444; published Mar. 29, 1927.
Severa, W. F., Company, Cedar Rapids, Iowa. Medicines. 65,577; renewed Oct. 8, 1927.
Seymour Ice Cream Company. (See Thompson, James R.)
Sherman, Clay & Co., San Francisco, Calif. Talking machines and phonographs and pianos. 228,786; June 7.
Shukovsky & Goldberg, Brooklyn, N. Y. Slippers. 228,529; June 7; Serial No. 243,564; published Mar. 29, 1927.
Shuster Specialty Manufacturing Company, Philadelphia, Pa. Folding cots, tables, and chairs. 228,513; June 7; Serial No. 242,756; published Mar. 29, 1927.
Siagel, Lavern S., doing business as Siagle Radio Company, Fort Wayne, Ind. Radio receiving sets, tubes, loud speakers, batteries, etc. 228,701; June 7; Serial No. 217,967; published Mar. 29, 1927.
Slattery, E. T., Company, Boston, Mass. Dresses, scarfs, hats gloves, coats, etc. 228,525; June 7; Serial No. 243,503; published Mar. 29, 1927.
Smart, Raymond A. (See Collins Hardware Company, assignor.)
Snapple Service Manufacturing Company, Yakima, Wash. Apple-vending machines. 228,559; June 7; Serial No. 243,177; published Mar. 29, 1927.
Società Generale delle Conserve Alimentari Cirio, San Giovanni a Teduccio, near Naples, Italy. Preserved fruits and vegetables. 228,780; June 7; Serial No. 243,240; published Mar. 29, 1927.
Société Anonyme du Graissage Alcyl, Paris, France. Apparatus for lubricating internal-combustion engines, steam engines, electromotors, etc. 228,619; June 7; Serial No. 240,041; published Mar. 29, 1927.
Société Anonyme Etablissements Reynier, Grenoble, France. Leathers and hides. 228,618; June 7; Serial No. 239,629; published Mar. 15, 1927.
Soden, G. A., & Co., Chicago, Ill. Watches. 228,784; June 7.
Sorrentino, Umberto, Jersey City, N. J. Olive oil. 228,546; June 7; Serial No. 243,667; published Mar. 29, 1927.
Southwestern Coca Cola Bottling Company, Phoenix, Ariz. Beverages. 228,813; June 7.
Spalding, A. G., & Bros., Jersey City, N. J., and New York, N. Y. Certain footwear. 64,046; renewed July 23, 1927.
Squibb, E. R., & Sons, New York, N. Y. Castor-oil emulsion. 228,741; June 7; Serial No. 244,114; published Mar. 29, 1927.
Standard Musical String & Mfg. Corp., New York, N. Y. Strings for fretted musical instruments. 228,630; June 7; Serial No. 243,506; published Mar. 29, 1927.
Stange, Wm. J., Co., Chicago, Ill. Ginger ale. 65,954; renewed Oct. 29, 1927.
Stearns, F. U., & Company, New York, N. Y. Cotton piece goods. 228,572; June 7; Serial No. 244,478; published Mar. 29, 1927.
Stemor Company, Inc., New York, N. Y. Patterns for embroidery. 228,583; June 7; Serial No. 234,008; published Mar. 29, 1927.
Stevens, Inc., New Orleans, La. Suits. 228,812; June 7.
Stevens, W. E., and F. Ballson, San Francisco, Calif. Gaskets. 228,805; June 7.
Stewart, Alexander B., Organizations, The, Los Angeles, Calif. Canned tunny. 228,753; June 7; Serial No. 244,193; published Mar. 29, 1927.
Stratton, H. D., doing business as San Francisco Brewing Company, San Francisco, Calif. Nonalcoholic malt beverage. 228,790; June 7.
Strauss Harmonica Company, Inc., New York, N. Y. Mouth harmonicas. 228,530; June 7; Serial No. 243,567; published Mar. 29, 1927.
Sugden, James F., Cleveland, Ohio. Nonalcoholic, maltless beverage. 228,737; June 7; Serial No. 243,673; published Mar. 29, 1927.
Summerfield & Hecht, Detroit, Mich. Refrigerators. 228,581; June 7; Serial No. 233,755; published Mar. 29, 1927.
Sun-Ray Lighting Products, Inc., New York, N. Y. Electric-lighting equipment. 228,661; June 7; Serial No. 242,554; published Mar. 22, 1927.
Syracuse Dry Goods Company, Syracuse, N. Y. Overalls, work shirts, pants, rompers, and coats for men, women, and children. 228,731; June 7; Serial No. 226,449; published Mar. 29, 1927.
Syracuse Dry Goods Company, Syracuse, N. Y. Gloves and mittens, shirts and pyjamas. 228,732; June 7; Serial No. 226,401; published Mar. 29, 1927.
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 228,508; June 7; Serial No. 242,631; published Mar. 22, 1927.
Thermwool Products Co. Inc., New York, N. Y. Electrical conduit. 228,739; June 7; Serial No. 243,983; published Mar. 29, 1927.
Thomas Products Co., The, Chicago, Ill. Hair shampoo. 228,826; June 7.
Thompson, James R., doing business as Seymour Ice Cream Company, Seymour, Ind. Ice cream. 228,544; June 7; Serial No. 243,293; published Mar. 22, 1927.
Thompson Spring Corporation, Wilmington, Del. Shock absorbers, rebound restrainers, and springs for vehicles. 228,738; June 7; Serial No. 243,674; published Mar. 29, 1927.
Tidewater Leather Company, Salem, Mass. Leather. 228,664; June 7; Serial No. 243,026; published Mar. 22, 1927.
Tietz, Walter M., Newark, N. J. Combination razor hone and strop and a separate razor-blade holder inclosed in a single kit or package. 228,814; June 7.
Transo Envelope Company, Chicago, Ill. Mailing envelopes. 228,598; June 7; Serial No. 227,608; published Mar. 29, 1927.
Treman, King & Co., Ithaca, N. Y. Prepared roofing, etc. 228,705; June 7; Serial No. 240,226; published Mar. 15, 1927.
Triangle Building Material Co., Inc., New York and Woodhaven, N. Y. Asbestos shingle roofing. 228,637; June 7; Serial No. 242,157; published Mar. 15, 1927.
Tropical Oil Company, to The Tropical Paint and Oil Company, Cleveland, Ohio, successor. Mixed paints. 65,840; renewed Oct. 22, 1927.
Tuttle Press Company, The, Appleton, Wis. Crepe paper. 228,671; June 7; Serial No. 243,729; published Mar. 29, 1927.
Twinklex Flasher Company, San Francisco, Calif. Electrical apparatus. 228,742–3; June 7; Serial Nos. 244,116–17; published Mar. 29, 1927.
Union Confectionery Machinery Co. Inc., New York, N. Y. Machinery for the use of bakers and confectioners in making candy and chocolates. 228,679–80; June 7; Serial Nos. 241,502–3; published Mar. 29, 1927.
Union Underwear Company, Incorporated, Indianapolis, Ind. Textile-fabric underwear. 228,706–7; June 7; Serial Nos. 240,459–60; published Mar. 29, 1927.
Unit Stove & Furnace Co., Belleville, Ill., and North Birmingham, Ala. Ranges, stoves, and furnaces. 228,660; June 7; Serial No. 242,452; published Mar. 29, 1927.
United States Quarry Tile Company, The, Parkersburg, W. Va. Quarry tile. 228,678; June 7; Serial No. 241,504; published Mar. 15, 1927.
Utt, James B., doing business as Utt-Williams Electrical Products Company, Santa Ana, Calif. Radio receiving sets. 228,604; June 7; Serial No. 229,479; published Mar. 22, 1927.
Utt-Williams Electrical Products Company. (See Utt, James B.)
Vedova, Irma, New York, N. Y. Hair tonic and dandruff killer. 228,655; June 7; Serial No. 240,011; published Mar. 29, 1927.
Vestal Chemical Co., St. Louis, Mo. Protective cleanser and scrubbing compound for floors, etc. 228,523; June 7; Serial No. 243,464; published Mar. 29, 1927.

Vimco Mfg. Company, Inc., Buffalo, N. Y. Portable electric lamps. 228,646; June 7; Serial No. 243,244; published Mar. 29, 1927.
Vital Food Co. (See Wilke, Rose.)
Wagner, W., jr., to A. Walle, doing business as W. Wagner, jr., Plettenberg, Germany, successor. Tuning pins for pianos. 61,143; renewed Mar. 5, 1927.
Walbert Manufacturing Company, Inc., Chicago, Ill. Toy horseshoe games. 228,749; June 7; Serial No. 244,118; published Mar. 29, 1927.
Walker Oil Burner Corp., St. Louis, Mo. Oil burners. 228,770; June 7; Serial No. 243,403; published Mar. 29, 1927.
Walle, Alfred. (See Wagner, W., jr.)
Wanamaker, John, New York, New York, N. Y. Reproductions of antique furniture. 228,555; June 7; Serial No. 242,869; published Mar. 29, 1927.
Wanamaker, John, New York, New York, N. Y. Modern and antique home furnishings and garden furniture. 228,756; June 7; Serial No. 238,629; published Mar. 29, 1927.
Wappat Gear Works, Pittsburgh, Pa. Lock mortisers, saws, and power planes. 228,526; June 7; Serial No. 243,515; published Mar. 29, 1927.
Warren, Northam, Corporation, New York, N. Y. Liquid nail polish. 228,785; June 7.
Wasmuth-Endicott Company, Andrews, Ind. Ironing boards. 228,642; June 7; Serial No. 243,023; published Mar. 29, 1927.
Wasmuth-Endicott Company, Andrews, Ind. Refrigerators. 228,776; June 7; Serial No. 243,030; published Mar. 29, 1927.
Watervliet Tool Co., Inc., Albany, N. Y. Machine and hand reamers of all kinds and types. 228,816; June 7.
Waukegan Chemical Company, North Chicago, Ill. Solutions of nitrocellulose. 228,409; June 7; Serial No. 242,459; published Mar. 29, 1927.
Waxman, Benjamin, deceased, doing business as Great Eastern Manufacturing Company; Rose Waxman, administratrix, Philadelphia, Pa. Overalls. 228,611; June 7; Serial No. 232,228; published Mar. 29, 1927.
Waxman, Rose, administratrix. (See Waxman, Benjamin.)
Wayne Creamery, Detroit, Mich. Pasteurized and fresh milk. 228,609; June 7; Serial No. 231,886; published Mar. 22, 1927.
Welker-Hoops Manufacturing Company, The, Middletown, Conn. Gasoline gauges. 228,775; June 7; Serial No. 243,404; published Mar. 29, 1927.
Wellson Specialty Co., Toronto, Canada. Hair tonics, special hair tonics, restorative tonics, etc. 228,693; June 7; Serial No. 241,595; published Mar. 29, 1927.
Wellsville Fire Brick Company, Wellsville, Mo. Refractory fire-brick material in plastic form. 228,509; June 7; Serial No. 242,641; published Mar. 15, 1927.
West Haven Mfg. Co., The, West Haven, Conn., assignor to Millers Falls Company, Millers Falls, Mass., and New York, N. Y. Hack-saw blades. 63,402; renewed June 18, 1927.
Western Grain Company, Birmingham, Ala. Oats, corn, corn chops, etc. 228,516; June 7; Serial No. 243,406; published Mar. 22, 1927.
White Grain Company, Duluth, Minn. Feeds (scratch feeds). 228,629; June 7; Serial No. 239,449; published Mar. 22, 1927.
Wilke, Rose, doing business as Vital Food Co., Los Angeles, Calif. Medicinal remedies. 228,698; June 7; Serial No. 206,816; published Mar. 29, 1927.
Williams, John R., doing business as Williams Eureka Bakery, Long Beach, Calif. Bread. 228,533; June 7; Serial No. 243,635; published Mar. 22, 1927.
Willits Green & Marston, doing business as Willits & Green, Los Angeles, Calif. Peanut butter, crushed fruits, jams, fruits, etc. 228,606; June 7; Serial No. 229,841; published Mar. 29, 1927.
Wills, A. W., & Son, assignor to A. W. Wills & Son, Limited, Birmingham, England. Axes, adzes, and bill hooks. 64,624–5; renewed Aug. 13, 1927.
Wills, A. W., & Son, assignor to A. W. Wills & Son, Limited, Birmingham, England. Certain hand tools. 64,626; renewed Aug. 13, 1927.
Wills, Leon C., doing business as Baldwin-Haggard Company, Philadelphia, Pa. Medicinal anodyne and sedative tablet. 228,590; June 7; Serial No. 242,263; published Mar. 29, 1927.
Winterbottom Book Cloth Company, Limited, The, Manchester, England. Tracing cloth. 65,932; renewed Oct. 29, 1927.
Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 228,745; June 7; Serial No. 244,265; published Mar. 29, 1927.
Wilfing, Abraham, assignor to The Firm Johann A. Wilfing, Berlin, Germany. Remedies to be used for diseases of and pertaining to the sexual organs. 65,313; renewed Sept. 17, 1927.
York Manufacturing Co. Inc., New York, N. Y. Cloth in the piece. 228,721; June 7; Serial No. 241,974; published Mar. 29, 1927.
Young, W. H., Corporation, Chicago, Ill. Printing ink and ink for type ribbons. 228,730; June 7; Serial No. 226,271; published Mar. 29, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bassick Manufacturing Company, The, Chicago, Ill. Alenite Ten-Minute Top. For Coverings for Automobile Tops. 32,209; June 7.
Bockman, Edgar B., doing business as The E. B. Bockman & Sons Storage Company, Pittsburg, Tex. Honest John. For Yams. 32,210; June 7.
Borden, M. C. D., & Sons, Inc., New York, N. Y. Plaza. For Cotton Piece Goods. 32,211; June 7.
Borden, M. C. D., & Sons, Inc., New York, N. Y. Challie De Monsseline. For Cotton Piece Goods. 32,212; June 7.
Borden, M. C. D., & Sons, Inc., New York, N. Y. American Cambric. For Cotton Piece Goods. 32,213; June 7.
Brandon, Julian R., doing business as Lurline Mfg. Company, San Francisco, Calif. Lurline. For Worm Eradicator for Dogs and Foxes. 32,214; June 7.
Bremner Bros., Chicago, Ill. Peekin. For Biscuits. 32,215; June 7.
Bunte Brothers, also doing business as Bunte, Chicago, Ill. L'Itrabest. For Candy. 32,216; June 7.
Citrus Soap Company of California, San Diego, Calif. Citrus Palmoil Complexion Soap. For Bar Soap. 32,217; June 7.
Congoleum-Nairn Incorporated, Philadelphia, Pa. Duroleum Rug. For Prepared Floor Coverings of the Oil-cloth type. 32,218; June 7.
Cream-O-Wheat Macaroni Co., The. (See Scotland, Bayard S.)
F & M Importing Co., Los Angeles, Calif. Onesto. For Olive Oil. 32,219; June 7.
Fuller Brush Company, The, Hartford, Conn. Fuller Window Brush. For Window Brushes. 32,220; June 7.
Fuller Brush Company, The, Hartford, Conn. Fuller Push Broom. For Push Brooms. 32,221; June 7.
Fuller Brush Company, The, Hartford, Conn. Fuller Comb Cleaner. For Comb Cleaners. 32,222; June 7.
General Laboratories, Madison, Wis. 1 Quart B-K Powerful Disinfectant, Deodorant, Purifier, Antiseptic. For a Sodium-Hypochlorite Fluid. 32,223; June 7.
General Laboratories, Madison, Wis. 10-Oz. B-K Powerful Disinfectant, Deodorant, Purifier, Antiseptic. For a Sodium-Hypochlorite Fluid. 32,224; June 7.
General Laboratories, Madison, Wis. 4-Oz. B-K Antiseptic, Deodorant, Purifier, Germicide. For a Sodium-Hypochlorite Fluid. 32,225; June 7.
Goldsworthy, Ernest J., Los Angeles, Calif. Eucathym. For an Antiseptic Preparation. 32,226; June 7.
Granger, Henry G., doing business as Granger Farms, Buskirk, N. Y. Power Candy Mineralized. For Candy. 32,227; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 1. For Automobiles. 32,228; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 2. For Automobiles. 32,229; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 3. For Automobiles. 32,230; June 7.
Hannah L. Jay, and Company, Inc., Chicago, Ill. 4. For Automobiles. 32,231; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 5. For Automobiles. 32,232; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 6. For Automobiles. 32,233; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 7. For Automobiles. 32,234; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 8. For Automobiles. 32,235; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 9. For Automobiles. 32,236; June 7.
Hannah, L. Jay, and Company, Inc., Chicago, Ill. 10. For Automobiles. 32,237; June 7.
Heller Bros. Inc., New York, N. Y. Crown Brand. For Tomatoes. 32,238; June 7.
Herrera, Anna E., Baltimore, Md. Herrera Complexion Vapor Veil. For Vapor Veils. 32,239; June 7.
Highgrove Fruit Association, Highgrove, Calif. Honor-Bright. For Oranges. 32,240; June 7.
Juvenilina Company, The. (See Yumet, Antonio.)
Koryzol Company, The, Miami, Fla. Koryzol. For Medicinal Preparation Useful in the Treatment of Colds, Influenza, Hay Fever, and Sinus Infections. 32,241; June 7.
Krank, Alfred J., St. Paul, Minn. Fix-A-Wave Lastlonger. For Hairdressing Preparations. 32,242; June 7.
Krumm, A. C., & Son Macaroni Company, Philadelphia, Pa. Krumm's Elbow Macaroni. For Macaroni. 32,243; June 7.
La France Manufacturing Company, Philadelphia, Pa. Softo. For Water Softeners. 32,244–5; June 7.
Levey, William, Santa Monica, Calif. French Salad Dressing. For Salad Dressing. 32,246; June 7.

Lil-Mar Preserving Company, San Antonio, Tex. Mrs. Wooldridge's Orange Marmalade. For Marmalade. 32,247; June 7.
Lincoln-Durant Manufacturing Company, The, Columbus, Ohio. Will Not Scratch. For a Polish and Cleaner for Metal, Glass, and Painted Surfaces. 32,248; June 7.
Lurline Mfg. Company. (See Brandon, Julian R.)
Mathiessen, E. M., Chicago, Ill. Devils Dream Cake Mix. For Devils Dream Cake Mix. 32,249; June 7.
Menasha Printing and Carton Company, Menasha, Wis. Pride of The West. For Butter. 32,250; June 7.
Miller, Sarah A., Courtland, Calif. Swastika. For Pears. 32,251; June 7.
Peppy-Cheese Co., Not Inc., Chicago, Ill. Pep-O-Cheese. For Cheese. 32,252; June 7.
Puckett, J. H. (Dad), doing business as Purity Bakery, Henryetta, Okla. Sugar Kream. For Bread and Pastry. 32,253; June 7.
Purity Bakery. (See Puckett, J. H. (Dad).)
Quenzer, Charles, Inc., New York, N. Y. Dr. Simm's Elastic Arch and Ankle Supporter. For Arch and Ankle Supporters. 32,254; June 7.
Rahayel, Chas. A., doing business as Rahayel Freres, Brooklyn, N. Y. Parfum Narcisse de Japon. For Perfume. 32,255; June 7.
Rahayel, Chas. A., doing business as Rahayel Freres, Brooklyn, N. Y. Parfum Jasmin de Japon. For Perfume. 32,256; June 7.
Rahayel, Chas. A., doing business as Rahayel Freres, Brooklyn, N. Y. Parfum Lilac de Japon. For Perfume. 32,257; June 7.
Rahayel, Chas. A., doing business at Rahayel Freres, Brooklyn, N. Y. Parfum Chypre de Japon. For Perfume. 32,258; June 7.
Rahayel, Chas. A., doing business at Rahayel Feres, Brooklyn, N. Y. Parfum Rose de Japon. For Perfume. 32,259; June 7.
Ralls, John P., Santa Monica, Calif. Janova Beauté Poudré. For Face Powders. 32,260; June 7.
Riverside Orchards Packing Co. (See Rogue River Corporation.)
Rogue River Corporation, doing business as Riverside Orchards Packing Co., Los Angeles and Riverside, Calif., and Medford, Oreg. Stage Coach. For Oranges. 32,261; June 7;
Rogue River Corporation, doing business as Riverside Orchards Packing Co., Los Angeles and Riverside, Calif., and Medford, Oreg. Rogue. For Oranges. 32,262; June 7.
Rogue River Corporation, doing business as Riverside Orchards Packing Co., Los Angeles and Riverside, Calif., and Medford, Oreg. Mischief. For Oranges. 32,263; June 7.
Scotland, Bayard S., doing business as The Cream-O-Wheat Macaroni Co., Joliet, Ill. Cream-O-Wheat Macaroni. For Macaroni. 32,264; June 7.
Sorenson & Company, Inc., New York, N. Y. Red Cardinal. For Fresh Pears. 32,265; June 7.
Sussman, Wormser & Co., San Francisco, Calif. Oroettes. For Canned Grapes. 32,266; June 7.
Sussman, Wormser & Co., San Francisco, Calif. Rubyettes. For Canned Grapes. 32,267; June 7.
Sussman, Wormser & Co., San Francisco, Calif. Emrelettes. For Canned Grapes. 32,268; June 7.
Villa Park Orchards Association, Villa Park, Calif. Bird Rocks. For Oranges. 32,269; June 7.
Walker, Olive M., Grand Rapids, Mich. Southern Beaten Biscuits. For Beaten Biscuits. 32,270; June 7.
Wheatley & Schwabe, New York, N. Y. Chubby. For Children's Underwear. 32,271; June 7.
Wheatley & Schwabe, New York, N. Y. Wands. For Underwear. 32,272; June 7.
Yumet, Antonio, doing business as The Juvenilina Company, Ponce, P. R. Acelte Romero Superfino. For Hair Tonic or Beautifier. 32,273; June 7.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Allied Independent Druggists, Kansas City, Mo. A-I-D. For Drugs. 9,873; June 7.
American Lead Pencil Company, New York, N. Y. Venus Pencil No. 127. For Pencils. 9,874; June 7.
American Lead Pencil Company, New York, N. Y. Unique Thin Lead Colored Pencils No. 139. For Pencils. 9,875; June 7.
American Lead Pencil Company, New York, N. Y. Venus Pencils No. 140. For Pencils. 9,876; June 7.
B. V. D. Company, Inc., The, New York, N. Y. You Don't Try on Underwear Before You Buy It. For Athletic Underwear. 9,877; June 7.
Cadet Knitting Company, The, Philadelphia, Pa. Cadet Van Dyke Foot. For Hosiery. 9,878; June 7.
Columbia Oil Company, Rosslyn, Va. Super Motor Fuel Motor Gas. For Fuel for Internal-Combustion Engines. 9,879; June 7.
Cream of Wheat Co., Minneapolis, Minn. The Use of Starchy Foods in the Early Months of Infant Feeding. For Wheat Breakfast Food. 9,880; June 7.
Dajan Chemical Company, Boston, Mass. Care of Your Piano. For Piano Polish. 9,881; June 7.
Eskimo Pie Corporation, Louisville, Ky. Gimme A Close-up on the World's Greatest Fillum-Eskimo Pie! For Frozen Confections. 9,882; June 7.
Eskimo Pie Corporation, Louisville, Ky. 'Me Plus Eskimo Pie Equals 100%.' For Frozen Confections. 9,883; June 7.
Eskimo Pie Corporation, Louisville, Ky. Skatin' As Smooth as Eskimo Pie Tastes! For Frozen Confections. 9,884; June 7
Eskimo Pie Corporation Louisville, Ky. 'Round the Clock—an' 'Round the Calendar—Me an' Eskimo Pie. For Frozen Confections. 9,885; June 7.
Eskimo Pie Corporation, Louisville, Ky. Three Cheers—Says My Taster' 'Tiger-r-r—Says My Stomach.' For Frozen Confections. 9,886; June 7.
Eskimo Pie Corporation, Louisville, Ky. Just Can't Think of Nothin' Better'n Eskimo Pie. For Frozen Confections. 9,887; June 7.
Eskimo Pie Corporation, Louisville, Ky. 'Gee! I'm Full o' Pep an' Eskimo Pie!' For Frozen Confections. 9,888; June 7.
First National Laboratories, Inc., Lehighton, Pa. Dr. White's Tasteless Epsom Salts Tablets. For Medicine for the Relief of Constipation, Headache, and Dizziness. 9,889; June 7.
First National Laboratories, Inc., Lehighton, Pa. Dr. White's Genuine Tablets. For Medicine for the Relief of Colds, Headache, Grippe. 9,890; June 7.
First National Laboratories, Inc., Lehighton, Pa. Dr. White's Cold and Grippe Pills. For Medicine for the Relief of Colds, Headache, Grippe. 9,891; June 7.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Style Comfort Wear Good (Wingfoot) Year Wingfoot Heels. For Rubber Heels Composed Wholly or in Part of Rubber. 9,892; June 7.
Hillyard Chemical Company, St. Joseph, Mo. Shine-All. For Floor Polish. 9,893; June 7.
Indiana Lamp Corporation, Connersville, Ind. Now! A Headlight That Floodlights the Road. For Automobile Lamps. 9,894; June 7.
Indiana Lamp Corporation, Connersville, Ind. Ilco-Ryan-Lite. For Automobile Lamps. 9,895; June 7.
Indiana Lamp Corporation Connersville, Ind. The Demand is Here. For Automobile Lamps. 9,896; June 7.
Indiana Lamp Corporation, Connersville, Ind. The Beautiful and Highly Efficient Ilco-Ryan-Lite. For Automobile Lamps. 9,897; June 7.
Isern, Leonard H., New York, N. Y. Rakar. For a Folding Rake with a Handle for Recovering and Finding Golf Balls Lost During a Game. 9,898; June 7.
Krank, Alfred J., doing nusiness as A. J. Krank Manufacturing Company, St. Paul, Minn. Fix-A-Gloss. For Hair and Scalp Treatments. 9,899; June 7.
May Oil Burner Corporation, Baltimore, Md. Get the Facts About Oil-Burning as Applied To Your Home. For Oil Burners. 9,900; June 7.
New Jersey Zinc Company, The, New York, N. Y. If You've Always Wanted a White House You Can Have It Now. For Paint. 9,901–2; June 7.
Ohio Cultivator Company, The, Bellevue, Ohio. One Way Disc Plow. For Plows. 9,903; June 7.
Reid, Murdoch & Co., Chicago, Ill. Winning Approval. For Groceries. 9,904; June 7.
Relay Motors Corporation, Wabash, Ind. A Truck That Does the Things Other Trucks Would Like to Do. For Motor Trucks. 9,905; June 7.
Rue, Nat, and Israel B. Zimmerman, doing business as Rue & Zimmerman, Chicago, Ill. Metroline Motor Oil. For Motor Oil. 9,906; June 7.
Simplex Sampling Association, Inc., New York, N. Y. Turkish Towel. For Towels. 9,907; June 7.
Speed-O-Laq Products Co., The, Minneapolis, Minn. Speed-O-Laq. For Varnish. 9,908; June 7.
Stanco Distributors, Incorporated, Wilmington, Del. A Winner for Sales! Flit—Flit Window Display Increases Sales 400%. For Insecticide. 9,909; June 7.
United Mfg. Co., Inc., Portland, Oreg. Superbilt. For Mattresses. 9,910; June 7.
Vulcan Last Company, The, doing business as Vulcan Golf Company, Portsmouth, Ohio. Clubs of Character for Every Golfer. For Golf Clubs. 9,911; June 7.
Vulcan Last Company, The, doing business as Vulcan Golf Company, Portsmouth, Ohio. Golf. For Golf Clubs. 9,912; June 7.
Vulcan Last Company, The, doing business as Vulcan Golf Company, Portsmouth, Ohio. Vulcan. For Golf Clubs. 9,913; June 7.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Sano, Copenhagen, Denmark. Floor tile. 242,220; June 7.

Ace Bridge Diary Syndicate, New York, N. Y. Bridge diary. 246,143; June 7.

Adams and Sons Grocer Company, Chillicothe, Mo. Canned spinach, sliced pineapple, crushed pineapple, chile con carne, etc. 245,682; June 7.

Aeschbach, F., S. A., Aarau, Switzerland. Machines for bakeries and confectioneries. 246,878; June 7.

Agricultural Chemical Works, Los Angeles, Calif. Fertilizers. 238,149; June 7.

Ajax Electric Specialty Company, St. Louis, Mo. Radio receiving sets and parts and necessories. 234,427; June 7.

Aktiengesellschaft Hommel's Haematogen, Zurich, Switzerland. Nerve tonic. 241,553; June 7.

Aktieselskabet Aalborg Portland-Cement Fabrik, Rørdal Pr. Aalborg, parish of Norre Tranders, county of Aalborg, Jutland, Denmark. Cement. 245,132; June 7.

Alma Manufacturing Company of Baltimore City, Baltimore, Md. Fasteners for the waistbands of trousers. 246,261; June 7.

Alpena Leather Corporation, Alpena, Mich. Leather. 245,240; June 7.

American Beauty Perfumers, New York, N. Y. Face powders, creams, and packs, rouges, perfumes, etc. 247,837; June 7.

American Crayton Company, The, Sandusky, Ohio. Writing ink. 246,805; June 7.

American Smelting and Refining Company, New York, N. Y., and San Francisco, Calif. Lead. 247,159; June 7.

Amory, Browne & Co., New York, N. Y. Cotton piece goods. 247,059; June 7.

Anasarcin Chemical Company, The, Winchester, Tenn. Preparation for the treatment of gall bladder and hepatic disorders. 147,924; June 7.

Apgar, Augustus N., Miami, Fla. Itch medicine. 246,526; June 7.

Armstrong Cork Company, Pittsburgh, Pa. Linoleum and felt-base floor coverings. 246,995; June 7.

Aron, J., & Company, Inc., New York, N. Y. Green coffee. 248,215; June 7.

Artkraft Sign Company, The, Lima, Ohio. Electric signs. 240,335; June 7.

Atkinson, J. & E., Limited, London, England. Perfume. 246,657; June 7.

Atlantic Gypsum Products Company, Boston, Mass. Neat cement plaster. 244,206; June 7.

Auerbach, Joseph S., doing business as D. Auerbach & Sons, New York, N. Y. Candies. 245,824; June 7.

Bailey, William J., doing business as The Morliffe Company, Cleveland, Ohio. Storage-battery solution. 246,998; June 7.

Bánská-A-Hutní Společnost, Brunn, Czechoslovakia. Wire nails, wire netting mesh and grids, chains, etc. 245,610–11; June 7.

Barber, W. H., Company, Minneapolis, Minn. Lubricating oils and greases. 242,465; June 7.

Bay State Fishing Company, Boston, Mass. Haddock and toasted fillets, salt cod fish, fish flakes, etc. 247,725; June 7.

Bayer Company, Inc., The, New York, N. Y. Plant disinfectant. 247,307; June 7.

Beaver Products Company, Inc., The, Buffalo, N. Y. Wall board. 194,329; June 7.

Beck's Baking Corporation, Winchester, Va. Bread. 242,565; June 7.

Bee Jay Products Co., Inc., New York, N. Y. Game apparatus. 230,513; June 7.

Belanger, Victor, New Bedford, Mass. Medicine. 239,288; June 7.

Ben Rocke, Inc., New York, N. Y. Suits, overcoats, etc. 245,923; June 7.

Biroto, Perfumer, New York, N. Y. Cosmetics and toilet preparations. 243,248; June 7.

Bissinger Candy Company, The, Cincinnati, Ohio. Candy. 227,435; June 7.

Block, W. G., Company, Davenport, Iowa. Coal. 245,044; June 7.

Bordagaray, Dominique, doing business as Golden Lion Distributing Co., San Francisco, Calif. Ginger ale. 247, 164; June 7.

Borm, Ferdinand H., Chicago, Ill. Device for recording the number of hits made during the course of a game of golf. 247,773; June 7.

Bowser, S. F., & Company, Inc., Fort Wayne, Ind. Oil and gasoline meters. 246,812; June 7.

Bremner Bros., Chicago, Ill. Biscuits. 248,149; June 7.

Brent'a, Dr., Nature Food Co. Inc., The, Portland, Oreg. Canned wheat. 240,696; June 7.

Brumback, Jeanne de M., White Plains, N. Y. Dolls. 247,460; June 7.

Bruner, S., Inc., New York, N. Y. Watches. 244,601; June 7.

Bundt Laboratories, The, Detroit, Mich. Medicine for asthma and hay fever. 247,596; June 7.

Buzza Company, The, Minneapolis, Minn. Gift mottoes. 234,370; June 7.

Cannon Mills, Inc., New York, N. Y. Hosiery. 247,359; June 7.

Casa Anchorena, Inc., New York, N. Y. Shoe nails and tacks. 247,312; June 7.

Celite Company, The, Los Angeles, Calif. Diatomaceous earth in natural, dried, or calcined condition, etc. 231,366; June 7.

Central City Produce Company, Central City, Iowa. Eggs and dressed poultry. 246,951; June 7.

Century Machine Company, The, Cincinnati and Oakley, Cincinnati, Ohio. Bakers' mixing machines. 247,122; June 7.

Century Machine Company, The, Cincinnati and Oakley, Cincinnati, Ohio. Bakers' mixing and tempering machines. 247,123; June 7.

Chaussures Bally Société Anonyme de Fabrication, Schoenenwerd, Switzerland. Boots, shoes, sandals, etc. 245,473; June 7.

Chicago Mail Order Company, Chicago, Ill. Shoes and boots. 246,666; June 7.

Chicago Mail Order Company, Chicago, Ill. Clocks and watches. 246,888; June 7.

Chicago Pneumatic Tool Company, New York, N. Y. Steam and vapor condensers, and air and gas coolers. 237,945; June 7.

Churchill and Alden Company, Brockton, Mass. Shoes. 247,067; June 7.

City Mills Company, Columbus, Ga. Cow feed. 242,093; June 7.

Cleveland, Harry S., doing business as Thorokold Refrigerator Co., Minneapolis, Minn. Refrigerators, refrigerator counters, and butcher coolers. 247,124; June 7.

Cohn & Rosenberger, Inc., New York, N. Y. Pearls, necklaces, brooches, bar pins, etc. 234,253; June 7.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonographs, phonographs adapted for combination with radio receiving sets, and parts for such phonographs. 246,669–70; June 7.

Compagnie Générale d'Electricité, Paris, France. Electrical apparatus, and particularly storage batteries and parts thereof. 230,093; June 7.

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Signal devices. 243,083; June 7.

Company of Master Craftsmen, Inc., Flushing, N. Y. Furniture. 239,920; June 7.

Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings of the oiled-cloth type. 248,350; June 7.

Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings of the oiled-cloth type. 248,352; June 7.

Connor, Walter J., doing business as 1-0-1 Manufacturing Company, Minneapolis, Minn. Lubricating oils and greases. 244,138; June 7.

Consolidated Beverage Producers. (See Goodwin, Roy.)

Consolidated Fuel Company, The, Pittsburgh, Pa. Coal. 246,393; June 7.

Consumers Company, Chicago, Ill. Coal. 245,534; June 7.

Country Club Magazine Pub. Co. (See Paddock, Sherman A.)

Cudahy Packing Co., The, Chicago, Ill. Soap powder combined with mineral ingredients. 246,741; June 7.

Cupp Grocery Company, Johnstown, Pa. Canned vegetables. 248,160; June 7.

Dayton Hosiery Mills, Dayton, Tenn. Hosiery. 240,644; June 7.

Del-Bay Farms, Inc., Bridgeton, N. J. Peaches and cucumbers. 230,229; June 7.

Denend, Joseph F., doing business as Wurzenburg Malt Extract Co., Chicago, Ill. Malt sirup. 245,898; June 7.

Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4,711" gegenüber der Pferdepost von Ferd. Mülhens, Köln a./Rhein. (See Mülhens, Paul P.)

Dishwashette Corporation, New York, N. Y. Dishwashing apparatus. 245,621; June 7.

Dodd, Dorothy, Shoe Company, Boston, Mass. Boots, shoes, and slippers. 246,823; June 7.

Dolan and Hancock, Fort Scott, Kans. Preparation for piles. 247,936; June 7.

Doshi Trading Co. Ltd., New York, N. Y. Silk piece goods. 246,671; June 7.

Dressner, Phil, & Co., Inc., New York, N. Y. Ladies' and children's hats. 247,676; June 7.

Dunn, W. E., Manufacturing Co., Holland, Mich. Glazing material. 244,897; June 7.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Fungicide, seed disinfectant. 246,673; June 7.

Du Pont Viscoloid Company, New York, N. Y. Toilet articles. 244,819; June 7.

Du Pre, Raymond B., Waterloo, Iowa. Perfumes. 247,892–3; June 7.

Duryea, Nina L., New York, N. Y. Fabric without warp or woof. 247,677; June 7.

Dynamic Chemical & Mineral Company, Chicago, Ill. Shampoo. 247,417; June 7.

Economy Malt Company. (See Stone, Samuel H.)

Electrical Research Laboratories, Chicago, Ill. Radio-transformers, radio receiving sets, plugs, etc. 246,743; June 7.

Eli Lilly and Company, Indianapolis, Ind. Tablet of hexamethylenamine. 247,135; June 7.

Elite Catering Company, Los Angeles, Calif. Beverages and sirups and extracts for making the same. 242,826; June 7.

Enterprise Chemical Co., doing business as Maison Marivonne, St. Louis, Mo. Perfume, toilet water, shampoo, face powder, etc. 247,938; June 7.

Erhard & Söhne A. G., Schwabisch Gmund, Germany. Religious articles. 231,797; June 7.

Erte, Inc., New York, N. Y. Perfumes, body lotions, face powders, bath salts, etc. 247,529; June 7.

Etablissements Paul Olmer & Cie., Paris, France. Neckties. 243,353; June 7.

Eureka Packing Co., New York, N. Y. Flexible metallic packing. 228,897; June 7.

Evans, E. S., & Co. Inc., Dertoit, Mich. Waterproofed lumber. 245,431; June 7.

Famous, The, Braddock, Pa. Hosiery and shoes. 246,602; June 7.

Fischer, Carl., Inc., New York, N. Y. Manuscript music paper. 246,946; June 7.

Ford Motor Company, Detroit, Mich. Lubricating oils. 246,606; June 7.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 245,198; June 7.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 245,203; June 7.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 245,205; June 7.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods 248,357–9; June 7.

Foster, Caney, doing business as Foster Chemical Company, Weldon, N. C. Kid-shoe cleaner. 247,071; June 7.

Franklin Simon & Co. Inc., New York, N. Y. Men's and boys' furnishings, undergarments, and clothing. 242,660; June 7.

Freedman, Samuel H., doing business as The Standard Raincoat Co., Boston, Mass. Rubberized and waterproof raincoats and overcoats. 244,686; June 7.

Furmanite Corporation, The, Newport News, Va. Plastic leak-sealing compound. 246,826; June 7.

Gailhouse, Leonard B., Chicago, Ill. False teeth, dentures, and restorations. 242,287; June 7.

Garry & Company, Inc., New York, N. Y. Face powders, creams, and packs, rouges, hair oils, etc. 247,868; June 7.

Geiger Candy Company, Indianapolis, Ind. Candy. 247,426; June 7.

Gilbert, William L., Clock Company, Winsted, Conn. Clocks. 236,743; June 7.

Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glassware used for electric-lighting purposes. 246,546; June 7.

Golden Lion Distributing Co. (See Bordagaray, Dominique.)

Goldman, Julian, Stores, Inc., The, New York, N. Y. Wearing apparel. 246,029; June 7.

Goodwin, Roy, doing business as Consolidated Beverage Producers, Wilmette, Ill. Beverages and fruit juice flavors for making the same. 246,400; June 7.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber belting. 248,038; June 7.

Gordon Canning Corporation, Hoquiam, Wash. Canned fruits, berries, and vegetables. 248,173–5; June 7.

Gordon, David, doing business as National News Review, Inc., Cleveland, Ohio. Publication. 247,183; June 7.

Gordon-Pagel Company, assignor to Gordon Baking Company, Detroit, Mich. Bread. 208,649; June 7.

Great Western Oil Company, The, Cleveland, Ohio. Motor oil. 246,853; June 7.

Griess Pfleger Tanning Company, The, Cincinnati, Ohio. Leather. 230,538; June 7.

Gump, R. F., Co., Chicago, Ill. Vibratory apparatus. 229,908; June 7.

Hartline Blotter Pen Co., Inc., Tampa, Fla. Fountain pens, roller blotters, and fountain-pen parts. 246,610; June 7.

Haspel Brothers, Inc., New Orleans, La. Men's coats, pants, pyjama suits, shirts, etc. 246,549; June 7.

Hawaiian Packing Company, Ltd. (See Karmen, Bernard H., assignor.)

Heyl, Cornelius, Aktiengesellschaft, Worms-on-the-Rhine, Germany. Lacquered leather. 246,880; June 7.

Hoe, R., & Co., Inc., New York, N. Y. Trimming machines for trimming and finishing electrotype and stereotype printing plates. 229,712; June 7.

Hoopeston Canning Co., Hoopeston, Ill. Canned vegetables. 246,751; June 7.

Hoppie, Charles W., Buffalo, N. Y. Face creams and powder, toilet water, perfumes, and skin lotions. 247,318; June 7.

Hostess Products Corp., New York, N. Y. Mayonnaise and Russian dressing. 194,447; June 7.

Hovey, C. F., Co., Boston, Mass. Carpet sweepers. 248,104; June 7.

Husting, E. L., Co., Milwaukee, Wis. Beverages. 247,784; June 7.

Italian Grocers Association, Seattle, Wash. Olive oil. 245,910; June 7.

Jefferson, Willis G., Parker Head, Me. Medicinal powders. 246,209; June 7.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Elastic bands. 245,397; June 7.

Johnson, Charles J., Seattle, Wash. Waterproof dressing for shoes. 246,753; June 7.

K. D. C. Company, Limited, New Glasgow, Canada. Medicines. 247,273; June 7.

Kalogerakos, Demitrios F., New York, N. Y. Medicine for deafness. 245,561; June 7.

Kalogerakou, Demitra D., New York, N. Y. Medicine for rheumatism. 245,562; June 7.

Kann, William L., Pittsburgh, Pa. Logs. 245,721; June 7.

Karmen, Bernard H., Honolulu, assignor to Hawaiian Packing Company, Ltd., Hilo, Hawaii. Preserved fruits. 239,179; June 7.

Karmen, Bernard H., doing business as Hawaiian Coffee Planters, Honolulu, assignor to Hawaiian Packing Company Ltd., Hilo, Hawaii. Coffee. 242,940; June 7.

Katex Company, The. (See Levin, Philip.)

Keewaugan Products Co. Inc., North Chicago, Ill. Liquid cleaning compound. 247,024; June 7.

Kienzle Uhrenfabriken A.-G., Schwenningen-on-the-Neckar, Germany. Fare indicators. 247,087; June 7.

King Features Syndicate, Inc., New York, N. Y. Newspaper section. 247,545; June 7.

Laboratoire de Pharmacologie, Inc., New York, N. Y. Salol compound, santal oil, compound of copaiba, cubeb, and santal. 247,742; June 7.

Larvex Corporation, The, New York, N. Y. Pump for fluids. 248,005; June 7.

Latour, Alexander, doing business as A. Latour, Chicago, Ill. Compound for the treatment of pulmonary diseases. 230,117; June 7.

Lebanon Mill Company, Pawtucket, R. I. Knitted fabrics. 245,501; June 7.

Lecroy, John, & Son, Camden, N. J. Medicated chewing gum. 248,006; June 7.

Les Parfums de Rosine, Inc., New York, N. Y. Toilet articles. 244,616; June 7.

Levin, Philip, doing business as The Katex Company, New York, N. Y. Antiseptic powders. 244,017; June 7.

Levine & Smith, Boston, Mass. Hats and caps. 246,838; June 7.

Liebovitz, S., & Sons, Inc., New York, N. Y. Shirts, blouses, and pyjamas. 244,310; June 7.

Lincoln Steel & Forge Company, St. Louis, Mo. Portable lubricating apparatus. 226,905; June 7.

Lindemann, Joseph S., New York, N. Y. Perfumes, body lotions, bath salts, etc. 247,550; June 7.

Literary Guild of America, Inc., The, New York, N. Y. Publication. 245,734; June 7.

Little Brown Jug, Inc., The, Reading, Pa. Insecticides. 246,099; June 7.

Loewenthal, Mabel S., Chicago, Ill. Face creams, reducing creams, rouges, brilliantines, etc. 243,957; June 7.

Long's Hat Stores Corporation, New York, N. Y. Men's hats. 246,964; June 7.

Lubin's Pioneer Medicine Company. (See Rubin, Ralph.)

Macy, R. H., & Co., Inc., New York, N. Y. Cotton yard goods in the piece. 245,737; June 7.

Maison Marivonne. (See Enterprise Chemical Co.)

Marshall Field & Company, Chicago, Ill. Perfumes, rouge, lip sticks, etc. 245,966; June 7.

Marshall Field & Company, Chicago, Ill. Perfumes, rouge, lip sticks, etc. 245,971; June 7.

Marshall Field & Company, Chicago, Ill. Shoes. 247,177; June 7.

Martory, Alfred, Paris, France. Perfumes. 248,108–9; June 7.

Martory, Alfred, Paris, France. Perfumes. 248,111–13; June 7.

McKesson & Robbins, Incorporated, Bridgeport, Conn. Automobile and furniture polish. 246,841; June 7.

Mel Reese Co. Inc., The, New York, N. Y. Men's wearing apparel. 244,458; June 7.

Merchant Products Corporation. Manila and sisal rope and twine. 247,484; June 7.

Metropolitan Body Company, The, Bridgeport, Conn. Cabs for automotive vehicles. 229,747; June 7.

Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes, slippers, and boots, etc. 248,010; June 7.

Mint-O-Lax, Inc., Milwaukee, Wis. Laxative preparation. 247,626; June 7.

Monadnock Mills, Claremont, N. H. Bedspreads, bedquilts, etc. 246,619; June 7.

Moncrieff, John, Limited, Perth, Scotland. Gauge glass. 247,022; June 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Mond Staffordshire Refining Company Limited, The, London, England. Medicinal, veterinary, and sanitary disinfectants and germicides. 246,303; June 7.
Morlife Company, The. (See Bailey, William J.)
Mueller Co., Decatur, Ill. Valves and cocks. 244,566; June 7.
Mueller Co., Decatur, Ill. Valves and faucets. 244,567; June 7.
Mülhens, Paul P., Cologne-on-the-Rhine, Germany, doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Koln a./Rhein. Eau de cologne water, perfumery, hair tonics, etc. 242,051; June 7.
Mustad, O., & Søn, Oslo, Norway. Fishhooks. 246,970; June 7.
National News Review, Inc. (See Gordon, David.)
National Oil Co., Philadelphia, Pa. Lubricating oil. 244,312; June 7.
National Pipe Bending Company, The, New Haven, Conn. Oil separators. 229 925; June 7.
National Poultry Institute, Inc., Washington, D. C. Publications. 246,174; June 7.
Newman, Frederick H., doing business as F. H. Newman & Co., Sherborn, Mass. Radiator cement and rubber cement. 246,843; June 7.
Northrop & Lyman Co., Inc., Buffalo, N. Y. Antiseptic throat pellets. 247,035; June 7.
Nu-Way Corporation, The, Rock Island, Ill. Liquid-fuel burners. 238,132; June 7.
Ocala Fruit Packing Company, Inc., Ocala, Fla. Fresh citrous fruits. 246,768; June 7.
Oden, Eugene R., doing business as Waterproof Paint Company, Lankershim, Calif. Crack-sealing wax. 237,278; June 7.
Old Colony Bakery Inc., Buffalo, N. Y. Bread, cakes, and rolls. 246,925; June 7.
1-0-1 Manufacturing Company. (See Connor, Walter J.)
Oppenheim, Oberndorf & Co., Inc., doing business as The Sealpax Company, Baltimore, Md. Men's athletic underwear. 238,610; June 7.
Oriole Inc., The, Wellesley, Mass. Pies. 241,896; June 7.
Paddock, Sherman A., doing business as Country Club Magazine Pub. Co., Los Angeles, Calif. Magazine. 247,205; June 7.
Painpatch, Incorporated, East Orange, N. J. Medicated plasters for aches, pains, and bruises. 246,498; June 7.
Palmer, Mark E., Potosi, Mo. Dental preparation. 246,046; June 7.
Paraffine Companies, Inc., The, San Francisco, Calif. Roofing. 192,785; June 7.
Parke, Davis & Company, Detroit, Mich. Mouth wash having deodorant, astringent, and cleansing properties. 247,750; June 7.
Parsons, Polly, Inc., Pelham, N. Y. Upholstered household chairs and household tables, sofas, etc. 239,719; June 7.
Pax Manufacturing Company, New York, N. Y. Household insecticide. 248,248; June 7.
Peerless Light Co., Chicago, Ill. Electric-lighting fixtures and portable table and floor lamps, etc. 245,747; June 7.
Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils. 239,052; June 7.
Pi Kappa Phi Fraternity, Charleston, S. C. Fraternity pins, badges, buttons, etc. 245,860; June 7.
Poulson, Charles W., & Sons Carpet Co. Inc., New York, N. Y. Wool carpets and rugs. 247,039; June 7.
Poulson, Charles W., & Sons Carpet Co., Inc., New York, N. Y. Carpets and rugs. 247,208; June 7.
Providence Public Market Co., Providence, R. I. Butter, eggs, and fresh milk. 218,717; June 7.
Qick Chemical Co. (See Shaw, Cora H.)
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 246,772; June 7.
Reliable Belt Co., Chicago, Ill. Belts. 245,999; June 7.
Remillier Co., The, New York, N. Y. Nail powder, nail polish, cuticle remover, etc. 246,774; June 7.
Republic Brass and Manufacturing Company, Los Angeles, Calif. Sink faucets, swing spouts, and adjustable flanges. 233,329; June 7.
Ridgeway, Abraham G., Los Angeles, Calif. Coffee substitute. 246,437; June 7.
Rigoniot, Alphonse, New York, N. Y. Hair pomade. 246,933; June 7.
Roberti Bros., Los Angeles, Calif. Davenports, bed davenports, chairs, and rocking-chairs. 246,570; June 7.
Rubin, Ralph, doing business as Lubin's Pioneer Medicine Company, Chicago, Ill. Liniment. 230,846; June 7.
Rudolfo Cigar Co. (See Schwartz, Rudolph.)
Rugenal Corporation, St. Louis, Mo. Preparation for the treatment of rheumatism. 247,042; June 7.
Sacco, Felice, Philadelphia, Pa. Tooth preservative. 244,185; June 7.
St. Paul Bottling Company, St. Paul, Minn. Beverages sold as soft drinks. 246,231; June 7.
Samstag & Hilder Bros., Inc., New York, N. Y. Necklaces and bracelets. 229,057; June 7.
Sandar Corporation, Long Island City, N. Y. Radio loud speakers. 242,504; June 7.
Scadron, Joseph, assignor to U. S. Bifocal Corporation, New York, N. Y. Ophthalmic lenses and frames and mountings therefor. 237,822; June 7.
Schering & Glatz, Inc., New York, N. Y. Pharmaceutical preparation. 247,911; June 7.
Schiff, Henry, San Francisco, Calif. Upholstered furniture. 246,509; June 7.
Schwartz, Rudolph, doing business as Rudolfo Cigar Co. and R. Schwartz Co., San Francisco, Calif. Cigars and cigarettes. 245,661; June 7.
Sealpax Company, The. (See Oppenheim, Oberndorf & Co.)
Seymour Packing Company, The, Topeka, Kans. Prepared poultry food. 246,855; June 7.
Shaw, Cora H., doing business as Qick Chemical Co., Los Angeles, Calif. Skin-bleaching cream. 236,965; June 7.
Sierra Food Company, Los Angeles, Calif. Cheese. 209,502; June 7.
Simplex Shock Absorber Company, Sharon, Pa. Shock absorbers. 247,292; June 7.
Sloan, James A., Kerns, Tex. Preparation for the use in the treatment of tuberculosis. 246,313; June 7.
Smith, Robert, doing business as Bob Smith, Boston, Mass. Golf balls. 248,259; June 7.
Spare, Alice H., Philadelphia, Pa. Salve for eczema and kindred skin diseases. 245,114; June 7.
Standard Insulation Company, Rutherford, N. J. Automobile top dressing. 246,937; June 7.
Standard Raincoat Co., The. (See Freedman, Samuel H.)
Stone, Samuel H., doing business as Economy Malt Company, Akron, Ohio. Malt sirup. 244,246; June 7.
Storfer Laboratories Inc., New York, N. Y. Bath salts. 244,416; June 7.
Studebaker Corporation, The, South Bend, Ind. Automobiles. 246,367–8; June 7.
Studebaker Corporation, The, South Bend, Ind. Automobiles. 246,511; June 7.
Stylepark Hats, Inc., Philadelphia, Pa. Men's hats. 242,629; June 7.
Sunland Laboratories Inc., Los Angeles, Calif. Deodorant for the feet, bath salts, etc. 243,397; June 7.
Tarrant Company, The, New York, N. Y. Medicinal preparation. 245,870; June 7.
Teddy Tins, Inc., Camden, N. J. Dyes. 245,306; June 7.
Thomas, R., & Sons Co., The, East Liverpool, Ohio. Electrical insulators, insulator fittings, and insulator pins. 219,459; June 7.
Thorokold Refrigerator Co. (See Cleveland, Harry S.)
Thrilling Tales, Inc., New York, N. Y. Monthly publication. 246,784; June 7.
Tor-Tis Company Incorporated, Detroit, Mich. Liquid shoe cleaner and polish. 245,382; June 7.
Travello Chemical & Supply Company, Westfield, Mass. Cases or kits containing medicine. 246,450; June 7.
Triphosal Company, The, Philadelphia, Pa. Powder used for an acid condition of the intestines. 248,024; June 7.
Turchi, D. A., Sons, Philadelphia, Pa. Beverages and sirups for making same. 246,240–1; June 7.
U. S. Bifocal Corporation. (See Scadron, Joseph, assignor.)
United States Quarry Tile Co., East Sparta, Ohio. Quarry tile. 246,246–8; June 7.
Utility Manufacturing Company, Inc., Baltimore, Md. Kitchen utensils. 244,025; June 7.
Valentine Fruit Co., Anaheim, Calif. Fresh citrous fruits. 244,804; June 7.
Van Camp Sea Food Co. Inc., Terminal Island, Calif. Canned and smoked fish. 247,649; June 7.
Vereinigte Farben- & Lackfabriken, Munich, Germany. Colored and pastel crayons. 244,252; June 7.
Verley, Albert, Inc., Chicago, Ill. Chemicals, aldehydes, alcohols, etc. 247,655–6; June 7.
Villa Moret, Inc., San Francisco, Calif. Sheet music. 246,057; June 7.
Villa Moret, Inc., San Francisco, Calif. Sheet music. 246,185; June 7.
Von Danez-Fisher, Inc., New York, N. Y. Prophylactic and germicide preparations. 242,259–60; June 7.
Vulcan Match Co., Inc., New York, N. Y. Safety matches. 246,250–1; June 7.
Wachter, Johann H., New York, N. Y. Patterns for producing lacework. 246,521; June 7.
Walter & Co., Rio de Janeiro, Brazil. Lubricating oils. 244,119; June 7.
Ware Woolen Company, Ware, Mass. Woolen piece goods. 247,050; June 7.
Waterproof Paint Company. (See Oden, Eugene R.)
Wayside Gardens Co., The, Mentor, Ohio. Hardy plants lillies, imported and native garden bulbs, shrubs, etc 246,866; June 7.
Webb, Thomas J., Co., Chicago, Ill. Coffee and tea. 235,240; June 7.
Weber Electric Company, Schenectady, N. Y. Sockets for electric lights and the like. 246,649; June 7.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Wel-Ever Piston Ring Co., The, Toledo, Ohio. Piston rings. 245,174; June 7.
Western Pine Manufacturers Association, Portland, Oreg. Lumber, woodwork, and lath. 243,334; June 7.
White Brothers, Scotts, Mich. Corn, oats, cottonseed, linseed, bran, dairy feeds, etc. 240,895; June 7.
White, Jeffery, Studio, Inc., Detroit, Mich. Printing plates and photo films. 236,895; June 7.
Whitfield, Joseph C., Palisades Park, N. J. Natural gas. 248,071; June 7.
Whittier, Herman J., Kansas City, Mo. Preparation for use in treating varicose ulcers. 247,110; June 7.
Wilcox-Hayes Co., The, Portland, Oreg. Canned fruits and berries, peanuts, wheat flour, and dried fruits. 245,678; June 7.
Willey-Ellis Company, Philadelphia, Pa. Clothes extractors, collar shapers, etc. 234,887; June 7.
Winchester Repeating Arms Company, New Haven, Conn. Ammunition. 247,111; June 7.
Wurzenburg Malt Extract Co. (See Denend, Joseph F.)
Zaroff, Sotir, St. Louis, Mo. Nonalcoholic, maltless sirup sold as a soft drink. 243,518; June 7.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 248,912; June 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Batting, Cotton or wool. Lockport Cotton Batting Co. 228,641–2; June 7; Serial Nos. 242,343–4; published Mar. 15, 1927.
Coal. Deringer Fuel Company. 228,639; June 7; Serial No. 242,227; published Mar. 22, 1927.
Coal. Hutchinson Coal Company. 228,645; June 7; Serial No. 243,094; published Mar. 22, 1927.
Coal. Pittsburg and Midway Coal Mining Company. 228,761; June 7; Serial No. 241,902; published Mar. 15, 1927.
Coal, Bituminous. Cameron Coal Company. 228,552; June 7; Serial No. 242,947; published Mar. 22, 1927.
Coal, carbonized fuel, and coke. North American Coal Corporation. 228,500–2; June 7; Serial Nos. 242,491–3; published Mar. 15, 1927.
Leather. Doerr & Reinhart. 228,594; June 7; Serial No. 239,576; published Mar. 15, 1927.
Leather. Tidewater Leather Company. 228,664; June 7; Serial No. 243,026; published Mar. 22, 1927.
Leathers and hides. Société Anonyme Etablissements Reynier. 228 615; June 7; Serial No. 239,629; published Mar. 15, 1927.
Seed corn. Hi-Bred Corn Company. 228,665; June 7; Serial No. 233,003; published Mar. 22, 1927.
Seed, Lawn-grass. Northrup, King & Co. 228,511; June 7; Serial No. 242,689; published Mar. 15, 1927.
Seeds. Hamilton Seed & Coal Co. 228,722; June 7; Serial No. 242,001; published Mar. 15, 1927.

CLASS 2.

Boxes, Automobile license and ownership card. R. O. Sayers. 288,587; June 7; Serial No. 235,656; published Mar. 29, 1927.
Jugs and bottles, Vacuum heat-insulated. My Pal Products. 228,585; June 7; Serial No. 234,624; published Mar. 29, 1927.

CLASS 4.

Cleaner, Window-shade. Red Dot Chemical Company. 228 625; June 7; Serial No. 239,769; published Mar. 29, 1927.
Cleanser and scrubbing compound for floors, etc., Protective. Vestal Chemical Co. 228,523; June 7; Serial No. 243,464; published Mar. 29, 1927.
Hone and strop and a separate razor-blade holder inclosed in a single kit or package, Combination razor. W. M. Tietz. 228,814; June 7.
Shaving stick and soap. Colgate & Company. 228,517; June 7; Serial No. 243,417; published Mar. 29, 1927.
Soap. J. Eavenson & Sons, Inc. 228,690; June 7; Serial No. 241,567; published Mar. 29, 1927.
Soap. J. Eavenson & Sons, Inc. 228,697; June 7; Serial No. 241,707; published Mar. 29, 1927.

CLASS 5.

Adhesive paste. American Crayon Company. 228,688; June 7; Serial No. 241,510; published Mar. 22, 1927.

CLASS 6.

Ammonium carbonate, barium carbonate, etc. Chem. Fabriken Kunheim & Co. A. G. 228,666; June 7; Serial No. 232,868; published Mar. 29, 1927.
Anæsthetic and hypodermic tablets, Local. Parke, Davis & Company. 228,748; June 7; Serial No. 244,103; published Mar. 29, 1927.
Compounds for the fulling and scouring of woolen, worsted, etc. E. F. Houghton & Co. 228,672; June 7; Serial No. 243,810; published Mar. 29, 1927.
Deodorant and antiseptic, Body. H. F. Galow. 228,675; June 7; Serial No. 243,851; published Mar. 29, 1927.
Exterminator, Rodent. Rex Research Corporation. 228,674; June 7; Serial No. 243,830; published Mar. 29, 1927.
Medicated salt brick for livestock. Blackman Stock Remedy Co. 62,467; renewed May 7, 1927.
Medicinal anodyne and sedative tablet. L. C. Wills. 228,590; June 7; Serial No. 242,263; published Mar. 29, 1927.
Medicinal herbs. R. H. T. Kahanowicz. 228,536; June 7; Serial No. 243,706; published Mar. 29, 1927.
Medicinal preparation. S. A. Goldstein. 228,577–8; June 7; Serial Nos. 244,556–7; published Mar. 29, 1927.
Medicinal preparation. Lauber & Lauber Co. 228,579; June 7; Serial No. 244,699; published Mar. 29, 1927.
Medicinal remedies. R. Wilke. 228,698; June 7; Serial No. 206,816; published Mar. 29, 1927.
Medicine for the relief of coughs, colds, etc. Masco Drug Corporation. 228,779; June 7; Serial No. 243,163; published Mar. 29, 1927.
Medicines. W. F. Severa Company. 65,577; renewed Oct. 8, 1927.
Oil emulsion, Castor. E. R. Squibb & Sons. 228,741; June 7; Serial No. 244,114; published Mar. 29, 1927.
Ointment. E. H. Anthony. 228,582; June 7; Serial No. 233,864; published Mar. 29, 1927.
Ointment, Hair and scalp. Pro-Grow Process Co. 228,505; June 7; Serial No. 242,548; published Mar. 29, 1927.
Perfume and toilet water, talcum powder, face powder, etc. R. Hudnut. 228,747; June 7; Serial No. 244,074; published Mar. 29, 1927.
Pills, Iron. Carter Medicine Company. 228,614; June 7; Serial No. 232,450; published Mar. 29, 1927.
Pills, Nervine. Carter Medicine Company. 228,668; June 7; Serial No. 232,451; published Mar. 29, 1927.
Polish, Liquid nail. Northam Warren Corporation. 228,783; June 7.
Powders, creams, and packs, toilet waters, rouges, etc., Face. Biroto, Inc. 228,522; June 7; Serial No. 242,410; published Mar. 29, 1927.
Preparation for the organs and nerves, etc. B. Rottmar. 228,766; June 7; Serial No. 241,961; published Mar. 29, 1927.
Preparation to cure finger sucking and fingernail biting. L. A. House. 228,531; June 7; Serial No. 243,606; published Mar. 29, 1927.
Preparation used in the treatment of tuberculosis. Cardoso, Seabra & Co. 228,627; June 7; Serial No. 239,737; published Mar. 29, 1927.
Remedies to be used for diseases of and pertaining to the sexual organs. A. Wilfing. 65,313; renewed Sept. 17, 1927.
Shampoo, Hair. Thomas Products Co. 228 826; June 7.
Solutions of nitrocellulose. Waukegan Chemical Company. 228,499; June 7; Serial No. 242,459; published Mar. 29, 1927.
Tonic and dandruff killer, Hair. I. Vedova. 228,655; June 7; Serial No. 240,011; published Mar. 29, 1927.
Tonics, etc., Hair, special hair, restorative. Wellson Specialty Co. 228,693; June 7; Serial No. 241,595; published Mar. 29, 1927.
Tonics, face creams, mouth and eye washes, skin lotions, etc., Hair. J. Cohen. 228,727; June 7; Serial No. 224,858; published Mar. 29, 1927.
Tooth paste. A. R. Munn, Inc. 228,556; June 7; Serial No. 242,843; published Mar. 29, 1927.
Tooth powder. T. Kobayashi. 61,013; renewed Feb. 26, 1927.
Whiting and skin lotion, Face. M. B. Orchard. 228,607; June 7; Serial No. 229 875; published Mar. 29, 1927.

CLASS 9.

Ammunition. Remington Arms Company. 228,815; June 7.
Revolvers. R. F. Sedgley Inc. 228 591; June 7; Serial No. 237,705; published Mar. 29, 1927.
Shotgun shells. Sears, Roebuck and Co. 228,824; June 7.

CLASS 11.

Ink. W. H. Young Corporation. 228,730; June 7; Serial No. 226,271; published Mar. 29, 1927.

CLASS 12.

Brick. Acme Brick Company. 228 586; June 7; Serial No. 235,090; published Sept. 21, 1926.
Brick material, Refractory fire. Wellsville Fire Brick Company. 228,509; June 7; Serial No. 242,641; published Mar. 15, 1927.
Rock, marble, and other materials, Natural cut. Fevre & Cie. 228 768; June 7; Serial No. 242,055; published Mar. 22, 1927.

Roofing, Asbestos shingle. Triangle Building Material Co. 228,637; June 7; Serial No. 242,157; published Mar. 15, 1927.
Roofing, etc. Treman, King & Co. 228,705; June 7; Serial No. 240 226; published Mar. 15, 1927.
Roofing, Felt. Collins Hardware Company. 62,148; renewed Apr. 23, 1927.
Shingles. National Asbestos Shingle Corporation. 228,663; June 7; Serial No. 242,688; published Mar. 15, 1927.
Shingles, ridge tiles, and sheets. A. T. Pattison & Co. 228,757; June 7; Serial No. 241,787; published Mar. 15, 1927.
Slate and lumber, Artificial. Asbestos Shingle, Slate & Sheathing Company. 64,829; renewed Aug. 27, 1927.
Steel, Fabricated structural. Robert W. Hunt Company. 228,550; June 7; Serial No. 242,995; published Mar. 22, 1927.
Tile, Gypsum. Northwestern Gypsum Products Company. 228,777; June 7; Serial No. 243,062; published Mar. 22, 1927.
Tile, Quarry. United States Quarry Tile Company. 227,678; June 7; Serial No. 241,504; published Mar. 15, 1927.
Wallboard. National Gypsum Company. 228,669; June 7; Serial No. 242,389; published Mar. 15, 1927.
Wall or floor coating, Plastic. I. F. Laucks Inc. 228,554; June 7; Serial No. 242,899; published Mar. 22, 1927.
Weather strips. Chamberlin Metal Weatherstrip Company. 228,638; June 7; Serial No. 242,168; published Mar. 15, 1927.

CLASS 13.

Attachments and valves, Safety filling. Midwest Steel & Supply Company. 228,730; June 7; Serial No. 243,617; published Mar. 29, 1927.
Bedpan washers, sterilizers, and racks. Hospital Supply Company and Watters Laboratories, Consolidated. 228,724; June 7; Serial No. 224,023; published Mar. 29, 1927.
Couplings and thermostat receivers, Combined. Hotstream Heater Co. 228,601; June 7; Serial No. 227,839; published Mar. 29, 1927.
Metallic fabrics, Knitted. Metal Textile Corporation. 228,603; June 7; Serial No. 228,719; published Mar. 29, 1927.
Pipes and tubes. British American Metals Company. 228,537; June 7; Serial No. 237,109; published Mar. 29, 1927.

CLASS 15.

Gasoline, fuel and lubricating oils, and lubricating greases. Cream City Oil Company. 228,719; June 7; Serial No. 241,875; published Mar. 22, 1927.
Gasoline, kerosene, burning oils, etc. E. H. Milton and Sons. 228,715; June 7; Serial No. 241,426; published Mar. 22, 1927.
Gasoline, kerosene, lubricating oil, etc. Mayflower Oil Company. 228,735; June 7; Serial No. 226,815; published Mar. 29, 1927.
Oils. Atlantic Refining Company. 228,599; June 7; Serial No. 227,625; published Mar. 29, 1927.
Oils and greases. Blackhawk Petroleum Co. 228,769; June 7; Serial No. 243,524; published Mar. 22, 1927.
Oils and greases, Lubricating. J. F. Price. 228,692; June 7; Serial No. 241,581; published Mar. 29, 1927.
Oils, Fuel. De Bataafsche Petroleum Maatschappij. 228,612; June 7; Serial No. 232,260; published Mar. 22, 1927.
Oils, Lubricating. Atlantic Refining Company. 62,389; renewed May 7, 1927.
Oils, Lubricating. Atlantic Refining Company. 63,160; renewed June 11, 1927.

CLASS 16.

Cementitious powder. Coronite Manufacturing Company. 228,728; June 7; Serial No. 225,075; published Aug. 3, 1926.
Paints, Mixed. Tropical Oil Company. 65,840; renewed Oct. 22, 1927.
Wood filler, Liquid. Glidden Varnish Company. 62,496; renewed May 7, 1927.

CLASS 17.

Tobacco. R. H. Macy & Co. 228,822; June 7.

CLASS 19.

Vehicles, Shock absorbers, rebound restrainers, and springs for. Thompson Spring Corporation. 228,738; June 7; Serial No. 243,674; published Mar. 29, 1927.

CLASS 20.

Rugs and mats. National Cloak & Suit Co. 228,617; June 7; Serial No. 244,713; published Mar. 29, 1927.

CLASS 21.

Battery terminal connecters. Korcherak Siphon Bottle Works. 228,800; June 7.
Batteryless current-supply apparatus for radio receiving sets. All-American Radio Corporation. 228,794; June 7.
Coils for radio apparatus. Camfield Radio Manufacturing Company. 228,734; June 7; Serial No. 226,761; published Mar. 22, 1927.
Conduit, Electrical. Thermwool Products Co. Inc. 228,739; June 7; Serial No. 243,983; published Mar. 29, 1927.
Electric appliances. Dover Manufacturing Co. 228,717; June 7; Serial No. 241,566; published Mar. 22, 1927.
Electric furnaces and electric heating elements therefor. Electric Furnace Company. 228,798; June 7.
Electric-lighting equipment. Sun-Ray Lighting Products, Inc. 228,661; June 7; Serial No. 242,554; published Mar. 22, 1927.
Electrical apparatus. Twinklex Flasher Company. 228,742–3; June 7; Serial Nos. 244,116–7; published Mar. 29, 1927.
Fuse mountings, relays, bus supports, switches, choke coils, etc. Schweitzer and Conrad. 228,718; June 7; Serial No. 241,748; published Mar. 15, 1927.
Insulated wire, Rubber-covered. Diamond Braiding Mills. 228,662; June 7; Serial No. 242,575; published Mar. 29, 1927.
Lamps, Portable electric. Vimco Mfg. Company. 228,646; June 7; Serial No. 243,244; published Mar. 29, 1927.
Lightning arresters and parts thereof. L. S. Brach Manufacturing Company. 228,823; June 7.
Lights, Automobile trouble. Serv-Us-Lite Manufacturing Co. 228,659; June 7; Serial No. 242,444; published Mar. 29, 1927.
Loud speakers and loud-speaker parts. Borkman Radio Corporation. 228,781; June 7.
Molding compounds and mixtures. Bakelite Corporation. 228,714; June 7; Serial No. 240,948; published Mar. 22, 1927.
Outlet boxes, switch boxes, hangers, etc. Chicago Fuse Mfg. Co. 228,602; June 7; Serial No. 228,645; published Mar. 22, 1927.
Radio loud speaker. Orchestron Company. 228,596; June 7; Serial No. 239,892; published Mar. 22, 1927.
Radio receiving sets. J. B. Utt. 228,604; June 7; Serial No. 229,479; published Mar. 22, 1927.
Radio receiving sets, radio transmitting and receiving vacuum tubes, etc. Fleetwood Laboratories, Inc. 228,593; June 7; Serial No. 239,402; published Mar. 15, 1927.
Radio receiving sets, tubes, loud speakers, batteries, etc. L. S. Slagle. 228,701; June 7; Serial No. 217,967; published Mar. 29, 1927.
Signal, Vehicle direction. C. H. Kenney. 228,700; June 7; Serial No. 212,383; published Mar. 29, 1927.
Stoves, plates, and ranges, Electric. Geo. D. Roper Corporation. 228,702; June 7; Serial No. 219,913; published Mar. 22, 1927.
Telephone headsets, loud speakers, cabinet-type loud speakers, etc. Brandes Products Corporation. 228,792; June 7.

CLASS 22.

Coaster wagons and scooters. Lewis-Geer Manufacturing Company. 228,782; June 7.
Dice boxes. J. W. Field. 228,506; June 7; Serial No. 242,582; published Mar. 29, 1927.
Dolls. Geo. Borgfeldt & Co. 65,119; renewed Sept. 10, 1927.
Fire starter, Friction. J. C. Ramsey. 228,503; June 7; Serial No. 242,501; published Mar. 29, 1927.
Kindergarten devices, Educational. A. S. Pope. 228,548; June 7; Serial No. 243,014; published Mar. 29, 1927.
Toy horseshoe games. Walbert Manufacturing Company. 228,749; June 7; Serial No. 244,118; published Mar. 29, 1927.

CLASS 23.

Axes, adzes, and billhooks. A. W. Wills & Son. 64,624–5; renewed Aug. 13, 1927.
Box-forming machines, box-making machines, printing machines, etc. C. S. Andrews. 228,725; June 7; Serial No. 224,443; published Mar. 29, 1927.
Cinder-notch stoppers for blast furnaces, etc. E. E. Brosius. 228,821; June 7.
Cooling and condensing apparatus. Chicago Pneumatic Tool Company. 228,787; June 7.
Engines, electromotors, etc., Apparatus for lubricating internal-combustion. Société Anonyme du Graissage Alcyl. 228,619; June 7; Serial No. 240,041; published Mar. 29, 1927.
Fire extinguishers, Portable. Pyrene Manufacturing Company. 228,524; June 7; Serial No. 243,500; published Mar. 29, 1927.
Hand tools. A. W. Wills & Son. 64,626; renewed Aug. 13, 1927.
Knives, razors, and table cutlery, Pocket. Geo. Borgfeldt & Co. 65,212; renewed Sept. 10, 1927.
Machinery. George S. Harwood & Son. 65,609; renewed Oct 8, 1927.
Machinery. Union Confectionery Machinery Co. 228,679–80; June 7; Serial Nos. 241,502–3; published Mar. 29, 1927.
Mortisers, routers, saws, and planers, Lock. Wappat Gear Works. 28,526; June 7; Serial No. 243,515; published Mar. 29, 1927.

Motor-boat, and aeroplane motors and spare parts thereof, Automobile. Clarke D. Pease Inc. 228,778; June 7; Serial No. 243,108; published Mar. 29, 1927.
Mowers, Lawn. Electric Vacuum Lawn Mower Company. 228,624; June 7; Serial No. 240,770; published Mar. 29, 1927.
Pistons for use in internal-combustion and steam engines, pumps, and compressors. C. R. Butler. 228,622; June 7; Serial No. 238,895; published Mar. 29, 1927.
Reamers. Watervliet Tool Co. 228,816; June 7.
Saw blades, Hack-. West Haven Mfg. Co. 63,402; renewed June 18, 1927.
Scissors and shears. Acme Shear Company. 228,561; June 7; Serial No. 244,340; published Mar. 29, 1927.
Sewing, agricultural, and horticultural machines and parts thereof, etc. Dürkoppwerke Aktiengesellschaft. 228,703; June 7; Serial No. 241,937; published Mar. 29, 1927.
Sharpeners, Magnetic razor-blade. Everkeen Corporation. 228,580; June 7; Serial No. 244,993; published Apr. 5, 1927.
Vending machines, Apple-. Snapple Service Manufacturing Company. 228,559; June 7; Serial No. 243,177; published Mar. 29, 1927.

CLASS 24.

Ironing boards. Wasmuth-Endicott Company. 228,643; June 7; Serial Nos. 241,606–7; published Mar. 29, 1927.
Washing machines. National Sales & Manufacturing Co. 228,588; June 7; Serial No. 236,048; published Mar. 29, 1927.

CLASS 26.

Gauges, Gasoline. Welker-Hoops Manufacturing Company. 228,775; June 7; Serial No. 243,404; published Mar. 29, 1927.
Ophthalmic mountings. Bausch and Lomb Optical Company. 228,740; June 7; Serial No. 243,992; published Mar. 29, 1927.
Scales, Weighing. Dayton Scale Company. 228,694–5; June 7; Serial No. 241,606–7; published Mar. 29, 1927.
Screens upon which moving pictures may be projected. Charles Leo Fitz, Inc. 228,595; June 7; Serial No. 239,746; published Mar. 29, 1927.

CLASS 27.

Watches. G. A. Soden & Co. 228,784; June 7.

CLASS 28.

Buckles made of or plated with precious metal, Belt. S. Kielar. 228,795; June 7.
Lockets, brooches, and badges. Cyclists' Touring Club. 60,226; renewed Jan. 29, 1927.
Ornamental pendants. A. Matsuoka. 228,658; June 7; Serial No. 242,384; published Mar. 29, 1927.
Pearls, pearl necklaces, brooches, etc. Cohn & Rosenberger, Inc. 228,716; June 7; Serial No. 241,520; published Mar. 22, 1927.
Rings, Finger. Allsopp Brothers. 228,677; June 7; Serial No. 242,162; published Mar. 22, 1927.

CLASS 29.

Broom splints for filling street-sweeping rolls and for push brooms, Hickory-fiber. W. I. Faysoux. 228,751; June 7; Serial No. 244,146; published Mar. 29, 1927.
Paintbrushes. Prospect Operations, Inc. 228,567; June 7; Serial No. 244,413; published Mar. 29, 1927.
Powder puffs. Baronet Mills, Inc. 228,575; June 7; Serial No. 244,535; published Mar. 29, 1927.

CLASS 30.

Earthenware tableware. Edward B. Dickinson, Inc. 228,644; June 7; Serial No. 243,039; published Mar. 29, 1927.

CLASS 31.

Refrigerators. Summerfield & Hecht. 228,581; June 7; Serial No. 233,755; published Mar. 29, 1927.
Refrigerators. Wasmuth-Endicott Company. 228,776; June 7; Serial No. 243,030; published Mar. 29, 1927.
Refrigerators and refrigerating machinery. Sanat Refrigerating Company. 228,670; June 7; Serial No. 243,728; published Mar. 22, 1927.

CLASS 32.

Chairs. Enterprise Metal Bed Co. 228,808; June 7.
Cots, tables, and chairs, Folding. Shuster Specialty Manufacturing Company. 228,513; June 7; Serial No. 242,756; published Mar. 29, 1927.
Display cases. B. Jackson. 228,654; June 7; Serial No. 238,859; published Mar. 29, 1927.
Furniture, Bedroom. Holland Furniture Company. 228,773; June 7; Serial No. 243,311; published Mar. 29, 1927.
Tables, chairs, benches, desks, etc. John Wanamaker New York. 228,756; June 7; Serial No. 238,629; published Mar. 29, 1927.
Tables, chairs, stools, benches, beds, etc. John Wanamaker New York. 228,555; June 7; Serial No. 242,869; published Mar. 29, 1927.

CLASS 33.

Glass articles. Gillinder & Sons, Inc. 65,794; renewed Oct. 22, 1927.
Lamp chimneys. W. R. Noe. 62,358; renewed Apr. 30, 1927.

CLASS 34.

Burners, Oil. Walker Oil Burner Corp. 228,770; June 7; Serial No. 243,403; published Mar. 29, 1927.
Gas storage systems for the storage of water, Autotic. Hoffman Heater Company. 228,818; June 7.
Heaters, Water. Detroit All Copper Heater Company. 228,820; June 7.
Ranges or other gas stoves and heaters, vapor stoves and ovens, Gas. American Stove Company. 62,501; renewed May 14, 1927.
Ranges, stoves, and furnaces. Unit Stove & Furnace Co. 228,660; June 7; Serial No. 242,452; published Mar. 29, 1927.
Stoves and heaters and vapor stoves and ovens, Gas. American Stove Company. 62,658; renewed May 21, 1927.
Stoves, gasoline or vapor stoves, and vapor burners and ovens, Gas. American Stove Company. 62,261; renewed Apr. 30, 1927.

CLASS 35.

Belting, Leather. Johnson Belting Company. 228,633; June 7; Serial No. 244,015; published Mar. 29, 1927.
Gaskets. W. E. Stevens and F. Balison. 228,805; June 7.
Packing, Compressed asbestos sheet. Argo Asbestos & Rubber Corporation. 228,566; June 7; Serial No. 244,386; published Mar. 29, 1927.
Piston rings. American Gear Company. 228,726; June 7; Serial No. 224,642; published Mar. 30, 1926.

CLASS 36.

Clarinet and saxophone reeds, and saxophone mouthpieces. H. & A. Selmer, Inc. 228,657; June 7; Serial No. 243,287; published Mar. 29, 1927.
Cymbals. Fred. Gretsch Mfg. Co. 228,592; June 7; Serial No. 237,857; published Mar. 22, 1927.
Harmonicas. Geo. Borgfeldt & Co. 65,120; renewed Sept. 10, 1927.
Harmonicas, Mouth. Strauss Harmonica Company. 228,530; June 7; Serial No. 243,567; published Mar. 29, 1927.
Musical instruments, Strings for fretted. Standard Musical String & Mfg. Corp. 228,630; June 7; Serial No. 243,506; published Mar. 29, 1927.
Pianos, Tuning pins for. W. Wagner, jr. 61,143; renewed Mar. 5, 1927.
Sound boxes for talking machines and phonographs. Plaza Music Company. 228,789; June 7.
Talking machines and records. Barnett Samuel and Sons Limited. 228,686; June 7; Serial No. 237,145; published Mar. 29, 1927.
Talking machines, phonographs, and pianos. Sherman, Clay & Co. 228,786; June 7.
Ukuleles, banjos, mandolins, etc. Buegeleisen & Jacobson. 228,720; June 7; Serial No. 241,922; published Mar. 29, 1927.

CLASS 37.

Envelopes, Mailing. Transo Envelope Company. 228,598; June 7; Serial No. 227,608; published Mar. 29, 1927.
Paper. Paterson Parchment Paper Co. 228,673; June 7; Serial No. 243,827; published Mar. 29, 1927.
Paper, Blotting. Rochester Paper Co. 228,562–3; June 7; Serial Nos. 244,323–4; published Mar. 29, 1927.
Paper, Blotting. Rochester Paper Co. 228,754; June 7; Serial No. 244,322; published Mar. 29, 1927.
Paper, Crepe. Tuttle Press Company. 228,671; June 7; Serial No. 243,729; published Mar. 29, 1927.
Paper easel supports for art cards. Cincinnati Art Publishing Company. 228,632; June 7; Serial No. 243,998; published Mar. 29, 1927.
Paper napkins, Folded. Narrownap Folding Machine Co. 228,797; June 7.
Paper products. Roanap Envelope Manufacturing Co. Inc. 228,648; June 7; Serial No. 233,579; published Aug. 3, 1926.
Paper, Toilet. A. Bulova. 228,750; June 7; Serial No. 244,131; published Mar. 29, 1927.
Paper, Writing. Hopper Paper Company. 228,631; June 7; Serial No. 243,950; published Mar. 29, 1927.
Paper, Writing and printing. Holyoke Card & Paper Company. 228,535; June 7; Serial No. 243,653; published Mar. 29, 1927.
Pens and pencils, Fountain. Eclipse Fountain Pen & Pencil Corporation. 228,570; June 7; Serial No. 244,435; published Mar. 29, 1927.
Pens and pencils, Fountain. Sala Bros., Inc. 228,507; June 7; Serial No. 242,623; published Mar. 29, 1927.
Tracing cloth. Winterbottom Book Cloth Company. 65,932; renewed Oct. 29, 1927.

CLASS 38.

Magazine. Haire Publishing Co. 228,708–10; June 7; Serial Nos. 240,651–3 published Mar. 29, 1927.
Magazine. Harrower Laboratory, Inc. 228,560; June 7; Serial No. 242,374; published Mar. 29, 1927.
Periodical. Brown & Bigelow. 228,600; June 7; Serial No. 227,773; published Mar. 29, 1927.
Posters, Advertising. American Lithographic Company. 228,527; June 7; Serial No. 243,520; published Mar. 29, 1927.
Publication. Monward Realty Co. 228,520; June 7; Serial No. 243,448; published Mar. 29, 1927.

Publication. Pets Publishing Company. 228,551; June 7; Serial No. 242,964; published Mar. 29, 1927.
Publication. St. Louis Convention, Publicity and Tourist Bureau. 228,621; June 7; Serial No. 239,898; published Mar. 29, 1927.
Publication. A. A. Samuels. 228,683; June 7; Serial No. 241,358; published Mar. 29, 1927.
Publication, Financial. J. Henry Schroder Banking Corporation. 228,696; June 7; Serial No. 241,638; published Mar. 29, 1927.

CLASS 39.

Boots and shoes, Leather. Craddock-Terry Company. 64,587–8; renewed Aug. 13, 1927.
Brassières. Jordan Marsh Company. 228,620; June 7; Serial No. 240,028; published Mar. 29 ,1927.
Clothing. Cellular Clothing Company. 61,664; renewed Apr. 2, 1927.
Clothing. Montgomery Ward & Co. 228,810; June 7.
Clothing, Articles of. Cellular Clothing Company; 63,163; renewed June 11, 1927.
Coats, Ladies', misses', and small women's. Barkin Levin Co. 228,767; June 7; Serial No. 242,039; published Mar. 29, 1927.
Coats, sport jackets, hosiery, etc. Rockford Mitten & Hosiery Company. 228,682; June 7; Serial No. 241,441; published Mar. 29, 1927.
Coats, vests, trousers, and overcoats. Simon Ackerman Clothes, Inc. 228,713; June 7; Serial No. 240,897; published Mar. 29, 1927.
Corsets, brassières, girdles, bandeaux, etc., Ladies'. American Lady Corset Co. 228,564; June 7; Serial No. 244,343; published Mar. 29, 1927.
Dresses. Ely & Walker Dry Goods Co. 228,803; June 7.
Dresses and frocks. Queen Dress & Skirt Company. 228,758; June 7; Serial No. 241,788; published Mar. 29, 1927.
Dresses, scarfs, hats, gloves, etc. E. T. Slattery Company. 228,525; June 7; Serial No. 243,503; published Mar. 29, 1927.
Footwear. A. G. Spalding & Bros. 64,046; renewed July 23, 1927.
Frocks, hats, gloves, hosiery, etc., Ladies' and misses' tailored. Harry Greenberg Co. 228,684; June 7; Serial No. 241,224; published Mar. 29, 1927.
Frocks, Misses'. Adolph R. Haas, Inc. 228,608; June 7; Serial No. 230,172; published Oct. 26, 1926.
Gloves and mittens, etc. Syracuse Dry Goods Company. 228,732; June 7; Serial No. 226,451; published Mar. 29, 1927.
Gloves, Leather. L. F. Guignle. 228,729; June 7; Serial No. 226,138; published Mar. 29, 1927.
Hats. Pacific Harvest Hat Company. 228,765; June 7; Serial No. 241,956; published Mar. 29, 1927.
Hats and caps for men. D. T. Langrock, Inc. 228,512; June 7; Serial No. 242,730; published Mar. 29, 1927.
Hosiery. Bear Brand Hosiery Co. 228,504; June 7; Serial No. 242,518; published Mar. 1, 1927.
Hosiery. Combine Hosiery Corporation. 228,774; June 7; Serial No. 243,349; published Mar. 29, 1927.
Hosiery. Gotham Silk Hosiery Company. 228,528; June 7; Serial No. 243,544; published Mar. 29, 1927.
Hosiery. Reading Maid Hosiery Mills. 228,685; June 7; Serial No. 241,181; published Mar. 29, 1927.
Neckties, Silk. Jos. M. Feinson, Inc. 228,628; June 7; Serial No. 239,703; published Mar. 29, 1927.
Overalls. B. Waxman. 228,611; June 7; Serial No. 232,228; published Mar. 29, 1927.
Overalls, work shirts, pants, rompers, etc. Syracuse Dry Goods Company. 228,731; June 7; Serial No. 226,449; published Mar. 29, 1927.
Overcoats. Schmitt-Orlow Company. 228,498; June 7; Serial No. 242,442; published Mar. 29, 1927.
Overcoats, topcoats, raincoats, suits, sweaters, socks, etc., Men's. Banks, Inc. 228,687; June 7; Serial No. 241,513; published Mar. 29, 1927.
Overshoes and gaiters. La Crosse Rubber Mills Co. 228,791; June 7.
Pyjamas. Kaynee Company. 228,793; June 7.
Shirts. S. Liebovitz & Sons, Inc. 228,532; June 7; Serial No. 243,611; published Mar. 29, 1927.
Shirts, Men's flannel. Frank Bros. & Co. 62,575; renewed May 14, 1927.
Shoes, Leather. M. Augenblick. 228,623; June 7; Serial No. 239,862; published Mar. 29, 1927.
Shoes, Leather and cloth. Boyd-Welsh Shoe Company. 228,806; June 7.
Shoes, slippers, etc. C. A. Manning Shoe Company. 228,760; June 7; Serial No. 241,888; published Mar. 29, 1927.
Slippers, Men's leather. Shukovsky & Goldberg. 228,529; June 7; Serial No. 243,564; published Mar. 29, 1927.
Soles, Leather, tap, half, and slip. Penn Leather Company. 228,549; June 7; Serial No. 243,012; published Mar. 29, 1927.
Suits. Stevens, Inc. 228,812; June 7.
Suits and overcoats. Gimbel Brothers, Inc. 228,636; June 7; Serial No. 242,119; published Mar. 29, 1927.
Suits, Boys'. Philip Goldstein Inc. 228,510; June 7; Serial No. 242,663; published Mar. 29, 1927.
Suits, Men's. Hickey-Freeman Co.. 228,785; June 7.
Suits, topcoats, and overcoats, Men's and boys'. Hecht Co. 228,557; June 7; Serial No. 242,830; published Mar. 29, 1927.
Underwear, Infants' and children's. Earnshaw Knitting Company. 228,691; June 7; Serial No. 241,042; published Mar. 29, 1927.
Underwear, Knitted. Root Manufacturing Company. 228,703; June 7; Serial No. 220,144; published Mar. 29, 1927.
Underwear, Men's knitted. Frank Bros. & Co. 63,118; renewed June 4, 1927.
Underwear, Textile-fabric. Union Underwear Company. 228,706–7; June 7; Serial Nos. 240,459–60; published Mar. 29, 1927.
Uniforms. K. Hogg. 228,809; June 7.
Warming bags or garments, Leg and foot. Rock Run Mills. 228,704; June 7; Serial No. 240,097; published Mar. 29, 1927.

CLASS 40.

Dress shields. Jordan Marsh Company. 228,656; June 7; Serial No. 240,608; published Mar. 29, 1927.
Fancy goods, furnishings, and notions. Geo. Borgfeldt & Co. 65,440; renewed Sept. 24, 1927.
Patterns for embroidery. Stemor Company. 228,583; June 7; Serial No. 234,008; published Mar. 29, 1927.

CLASS 41.

Umbrellas. Follmer, Clogg & Co. 228,772; June 7; Serial No. 237,452; published Feb. 8, 1927.

CLASS 42.

Cloth in the piece. York Manufacturing Co. Inc. 228,721; June 7; Serial No. 241,974; published Mar. 29, 1927.
Cotton piece goods. Peerless Cotton Mills. 228,811; June 7.
Cotton piece goods. F. U. Stearns & Company. 228,572; June 7; Serial No. 244,478; published Mar. 29, 1927.
Cotton piece goods, Woven. Hill Manufacturing Company. 65,592–3; renewed Oct. 8, 1927.
Crêpe de chine in the piece. A. S. Rosenthal Company. 228,807; June 7.
Hair nets. Associated Merchandising Corporation. 228,616; June 7; Serial No. 244,596; published Mar. 29, 1927.
Ribbons. Buser Silk Co. Inc. 228,744; June 7; Serial No. 244,132; published Mar. 29, 1927.
Sheetings. Piedmont Mfg. Co. 64,226; renewed July 30, 1927.
Silk piece goods. Albert Godde, Bedin, Inc. 228,615; June 7; Serial No. 244,592; published Mar. 29, 1927.
Silk piece goods. Oriental Silk Printing Company. 228,788; June 7.
Woolen goods in the piece. Worumbo Manufacturing Company. 228,745; June 7; Serial No. 244,265; published Mar. 29, 1927.
Woolen piece goods. Co-Operative Wholesale Society, Limited. 228,514; June 7; Serial No. 242,776; published Mar. 29, 1927.

CLASS 44.

Pads or sheets for removing cold cream, Absorbent. Cellucotton Products Company. 228,597; June 7; Serial No. 228,803; published Apr. 27, 1926.

CLASS 45.

Beverage. Les-Go, Inc. 228,576; June 7; Serial No. 243,550; published Mar. 29, 1927.
Beverage. J. F. Sugden. 228,737; June 7; Serial No. 243,673; published Mar. 29 1927.
Beverages. M. A. Copeland. 228,569; June 7; Serial No. 244,429; published Mar. 29, 1927.
Beverages. Hudor Co. 228,515; June 7; Serial No. 242,784; published Mar. 29, 1927.
Beverages. J. M. Kozik. 228,653; June 7; Serial No. 238,880; published Mar. 29, 1927.
Beverages. Schoneberger & Noble, Inc. 228,759; June 7; Serial No. 241,794; published Mar. 29, 1927.
Beverages. Southwestern Coca Cola Bottling Company. 228,813; June 7.
Beverages and sirups for making the same and mineral water. Baldur A. G. für Gärungslose Früchteverwertung. 228,651; June 7; Serial No. 239,395; published Mar. 15, 1927.
Beverages sold as soft drinks, etc. California Crushed Fruit Corporation. 228,699; June 7; Serial No. 211,199; published Nov. 30, 1926.
Ginger ale. J. F. Lasser. 228,571; June 7; Serial No. 244,451; published Mar. 29, 1927.
Ginger ale. Wm. J. Stange Co. 65,954; renewed Oct. 29, 1927.

CLASS 46.

Apples, Fresh. H. A. Brouillet. 228,755; June 7; Serial No. 237,651; published Mar. 29, 1927.
Biscuits, Animal. F. H. Bennett Biscuit Company. 228,605; June 7; Serial No. 229,613; published Mar. 22, 1927.
Bread. Perfection Biscuit Co. 228,521; June 7; Serial No. 243,454; published Mar. 22, 1927.
Bread. J. R. Williams. 228,533; June 7; Serial No. 243,635; published Mar. 22, 1927.
Bread and cakes. Peerless Bakery. 228,817; June 7.
Butter. Great Atlantic & Pacific Tea Co. 228,640; June 7; Serial No. 242,290; published Mar. 22, 1927.

Butter, cheese, condensed milk, etc. First National Stores, Inc. 228,540; June 7; Serial No. 240,967; published Mar. 29, 1927.
Butter, Peanut. Serv-Rite Corporation. 228,542; June 7; Serial No. 242,753; published Mar. 22, 1927.
Candies. Linette Chocolate Company. 228,626; June 7; Serial No. 239,761; published Mar. 29, 1927.
Candies. Charles N. Miller Company. 228,650; June 7; Serial No. 227,408; published Mar. 29, 1927.
Candy. Frederick W. Lipps Company. 228,574; June 7; Serial No. 244,505; published Mar. 29, 1927.
Candy. Robert F. MacKenzie Company. 64,400; renewed Aug. 6, 1927.
Candy. Rose Dell Candy Shops, Inc. 228,689; June 7; Serial No. 241,243; published Mar. 29, 1927.
Candy. Schwarz & Son. 228,568; June 7; Serial No. 244,414; published Mar. 29, 1927.
Candy confections. Figonet Company. 228,649; June 7; Serial No. 233,432; published May 3, 1927.
Canned figs. Beckwith Company. 228,634; June 7; Serial No. 244,042; published Mar. 29, 1927.
Canned fish. Franco-Italian Packing Co. 228,589; June 7; Serial No. 236,738; published Mar. 29, 1927.
Canned fruits, vegetables, and salmon, coffee, tea, jams, jellies, etc. Service Grocer Company. 228,538; June 7; Serial No. 238,747; published Mar. 22, 1927.
Canned fruits, vegetables, berries, preserved figs, etc. Bittmann-Todd Grocer Company. 228,613; June 7; Serial No. 232,384; published Mar. 22, 1927.
Canned olives and olive oil. Olive Products Company. 228,676; June 7; Serial No. 243,876; published Mar. 29, 1927.
Canned salmon. Geo. T. Myers & Co. 228,764; June 7; Serial No. 241,951; published Mar. 29, 1927.
Canned tunny. Alexander B. Stewart Organizations. 228,753; June 7; Serial No. 244,193; published Mar. 29, 1927.
Chocolates, fudges, candy bars, etc. Mr. and Mrs. H. S. Johnson. 228,819; June 7.
Coffee. Baker Importing Co. 65,520; renewed Oct. 8, 1927.
Coffee. B. H. Karmen. 228,553; June 7; Serial No. 242,939; published Mar. 1, 1927.
Coffee and tea. Baker & Company. 65,389; renewed Sept. 24, 1927.
Coffee, Cultured. Cultured Coffee Corporation. 228,762; June 7; Serial No. 241,931; published Mar. 29, 1927.
Corn relish, Cooked. E. B. Patterson. 228,681; June 7; Serial No. 241,496; published Mar. 29, 1927.
Cornstarch. Corn Products Refining Company. 228,711; June 7; Serial No. 240,701; published Mar. 22, 1927.
Eggs. John F. Barker Produce Company. 228,647; June 7; Serial No. 233,717; published Mar. 29, 1927.
Eggs. Roberts & Oake. 228,802; June 7.
Feeds. White Grain Company. 228,629; June 7; Serial No. 239,449; published Mar. 22, 1927.
Figs, pickles, jelly, etc., Stuffed. M. S. Neal. 228,539; June 7; Serial No. 240,676; published Mar. 22, 1927.
Flavoring extracts and fruit preserves, Food-. J. Heichelbech. 228,733; June 7; Serial No. 226,724; published Mar. 29, 1927.
Flour, pancake and pure buckwheat flour, stock and scratch feed, Self-rising buckwheat. Fuller Milling Company. 228,534; June 7; Serial No. 243,650; published Mar. 22, 1927.
Flour, Wheat. Dixie-Portland Flour Co. 228,801; June 7.
Flour, Wheat. J. F. Eesley Milling Company. 228,519; June 7; Serial No. 243,428; published Mar. 22, 1927.
Flour, Wheat. Hylton Flour Mills, Inc. 228,667; June 7; Serial No. 232,774; published Mar. 22, 1927.
Flour, Wheat. Louisville Milling Company. 228,723; June 7; Serial No. 221,123; published Mar. 22, 1927.
Flour, Wheat. Monroe Milling Company. 228,610; June 7; Serial No. 232,029; published Mar. 22, 1927.
Flour, Wheat. Morrow-Kidder Milling Company. 228,712; June 7; Serial No. 240,729; published Mar. 22, 1927.
Flour, Wheat. Rea-Patterson Milling Company. 64,754; renewed Aug. 20, 1927.
Flour, Wheat. Texas Star Flour Mills. 228,508; June 7; Serial No. 242,631; published Mar. 22, 1927.
Food, Dog. Old Trusty Dog Food Company. 228,804; June 7.
Fruits and vegetables, Preserved. Società Generale Delle Conserve Alimentari Cirio. 228,780; June 7; Serial No. 243,240; published Mar. 29, 1927.
Fruits, Fresh citrous. Colton Fruit Exchange. 228,584; June 7; Serial No. 234,098; published Mar. 29, 1927.
Fruits, Fresh citrous. Highland Fruit Growers Association. 228,746; June 7; Serial No. 244,073; published Mar. 29, 1927.
Gelatin dessert preparation. Dessert Manufacturing Co. 228,541; June 7; Serial No. 242,417; published Mar. 22, 1927.
Grapes. L. Rusconi. 228,799; June 7.
Groats and German grits, Brown buckwheat. F. Rochlin Milling Corp. 228,635; June 7; Serial No. 242,067; published Mar. 22, 1927.
Ice cream. J. R. Thompson. 228,544; June 7; Serial No. 243,293; published Mar. 22, 1927.
Ice cream and frozen puddings. Semon Ice Cream Company. 65,406; renewed Sept. 24, 1927.
Macaroni. A. Palazzolo. 228,543; June 7; Serial No. 243,167; published Mar. 22, 1927.
Milk, Pasteurized and fresh. Wayne Creamery. 228,609; June 7; Serial No. 231,886; published Mar. 22, 1927.
Oats, corn, corn chops, etc. Western Grain Company. 228,516; June 7; Serial No. 243,406; published Mar. 22, 1927.
Oil, Olive. U. Sorrentino. 228,546; June 7; Serial No. 243,667; published Mar. 29, 1927.
Oleomargarine. Ohio Butterine Company. 228,752; June 7; Serial No. 244,174; published Mar. 22, 1927.
Pastry and cakes. Curtiss Candy Company. 228,518; June 7; Serial No. 243,424; published Mar. 22, 1927.
Peanut butter, crushed fruits, jams, etc. Willits Green & Marston. 228,606; June 7; Serial No. 229,841; published Mar. 29, 1927.
Pork roll. Louis Burk, Inc. 228,825; June 7.
Potato chips. Thos. B. Clewell & Son. 66,039; renewed Nov. 5, 1927.
Salad dressing. Bayle Food Products Co. 228,545; June 7; Serial No. 243,581; published Mar. 29, 1927.
Sirup and sugar. Maple Grove Candies, Inc. 228,547; June 7; Serial No. 243,958; published Mar. 29, 1927.
Spices. Hanley & Kinsella Coffee and Spice Co. 228,796; June 7.
Tea. G. H. Ford. 228,573; June 7; Serial No. 244,496; published Mar. 29, 1927.
Vegetables, cereals, etc. Levy & Levis Company. No. 228,558; June 7; Serial No. 233,738; published Mar. 29, 1927.

CLASS 48.

Malt beverages, Nonalcoholic. H. D. Stratton. 228,790; June 7.
Malt extract. Central Malt Products Company. 228,565; June 7; Serial No. 244,348; published Mar. 29, 1927.

CLASS 49.

Whisky. Daviess County Distilling Co. 62,722; renewed May 21, 1927.

CLASS 50.

Closure caps. Anchor Cap & Closure Corporation. 228,771; June 7; Serial No. 237,400; published Mar. 22, 1927.
Cork composition, Fabric-faced sheets of. Armstrong Cork Company. 228,652; June 7; Serial No. 239,284; published Mar. 15, 1927.

ALPHABETICAL LIST OF LABELS.

Aceite Romero Superfino. For Hair Tonic or Beautifier. A. Yumet. 32,273; June 7.
Alemite Ten-Minute Top. For Coverings for Automobile Tops. Bassick Manufacturing Company. 32,209; June 7.
American Cambric. For Cotton Piece Goods. M. C. D. Borden & Sons, Inc. 32,213; June 7.
Bird Rocks. For Oranges. Villa Park Orchards Association. 32,269; June 7.
Challie de Mousseline. For Cotton Piece Goods. M. C. D. Borden & Sons, Inc. 32,212; June 7.
Chubby. For Children's Underwear. Wheatley & Schwabe. 32,271; June 7.
Citrus Palmoil Complexion Soap. For Bar Soap. Citrus Soap Company of California. 32,217; June 7.
Cream-O-Wheat Macaroni. For Macaroni. B. S. Scotland. 32,264; June 7.
Crown Brand. For Tomatoes. Heller Bros. Inc. 32,238; June 7.
Devils Dream Cake Mix. For Devils Cream Cake Mix. E. M. Mathiessen. 32,249; June 7.
Dr. Simm's Elastic Arch and Ankle Supporter. For Arch and Ankle Supporters. Charles Quenzer, Inc. 32,254; June 7.
Duroleum Rug. For Prepared Floor Coverings of the Oilcloth Type. Congoleum-Nairn Incorporated. 32,218; June 7.
8. For Automobiles. L. Jay Hannah and Company. 32,235; June 7.
Emreiettes. For Canned Grapes. Sussman, Wormser & Co. 32,268; June 7.
Eucathym. For an Antiseptic Preparation. E. J. Goldsworthy. 32,226; June 7.
5. For Automobiles. L. Jay Hannah and Company. 32,252; June 7.
Fix-A-Wave Lastlonger. For Hairdressing Preparations. A. J. Krank. 32,242; June 7.
4. For Automobiles. L. Jay Hannah and Company. 32,231; June 7.
4-Oz. B-K Antiseptic, Deodorant, Purifier, Germicide. For a Sodium-Hypochlorite Fluid. General Laboratories. 32,225; June 7.

French Salad Dressing. For Salad Dressing. W. Levey. 32,246; June 7.
Fuller Comb Cleaner. For Comb Cleaners. Fuller Brush Company. 32,222; June 7.
Fuller Push Broom. For Push Brooms. Fuller Brush Company. 32,221; June 7.
Fuller Window Brush. For Window Brushes. Fuller Brush Company. 32,220; June 7.
Herrera Complexion Vapor Veil. For Vapor Veils. A. E. Herrera. 32,239; June 7.
Honest John. For Yams. E. B. Bockman. 32,210; June 7.
Honor-Bright. For Oranges. Highgrove Fruit Association. 32,240; June 7.
Janova Beauté Poudré. For Face Powders. J. P. Ralls. 32,260; June 7.
Koryzol. For Medicinal Preparation Useful in the Treatment of Colds, Influenza, Hay Fever, and Sinus Infections. Koryzol Company. 32,241; June 7.
Krumm's Elbow Macaroni. For Macaroni. A. C. Krumm & Son Macaroni Company. 32,243; June 7.
Lurline. For Worm Eradicator for Dogs and Foxes. J. R. Brandon. 32,214; June 7.
Mischief. For Oranges. Rogue River Corporation. 32,263; June 7.
Mrs. Wooldridge's Orange Marmalade. For Marmalade. Lil-Mar Preserving Company. 32,247; June 7.
9. For Automobiles. L. Jay Hannah and Company. 32,236; June 7.
1. For Automobiles. L. Jay Hannah and Company. 32,228; June 7.
1 Quart B-K Powerful Disinfectant, Deodorant, Purifier, Antiseptic. For a Sodium Hypochlorite Fluid. General Laboratories. 32,223; June 7.
Onesto. For Olive Oil. F & M Importing Co. 32,219; June 7.
Oroettes. For Canned Grapes. Sussman, Wormser & Co. 32,266; June 7.
Parfum Chypre de Japon. For Perfume. C. A. Rahayel. 32,258; June 7.
Parfum Jasmin de Japon. For Perfume. C. A. Rahyael. 32,256; June 7.
Parfum Lilac de Japon. For Perfume. C. A. Rahayel. 32,257; June 7.
Parfum Narcisse de Japon. For Perfume. C. A. Rahayel. 32,255; June 7.
Parfum Rose de Japon. For Perfume. C. A. Rahayel. 32,259; June 7.
Peekin. For Biscuits. Bremner Bros. 32,215; June 7.
Pep-O-Cheese. For Cheese. Peppy-Cheese Co. 32,252; June 7.
Plaza. For Cotton Piece Goods. M. C. D. Borden & Sons, Inc. 32,211; June 7.
Power Candy Mineralized. For Candy. H. G. Granger. 32,227; June 7.
Red Cardinal. For Fresh Pears. Sorenson & Company. 32,265; June 7.
Rogue. For Oranges. Rogue River Corporation. 32,262; June 7.
Rubyettes. For Canned Grapes. Sussman, Wormser & Co. 32,267; June 7.
7. For Automobiles. L. Jay Hannah and Company. 32,234; June 7.
6. For Automobiles. L. Jay Hannah and Company. 32,233; June 7.
Softo. For Water Softeners. La France Manufacturing Company. 32,244–5; June 7.
Southern Beaten Biscuits. For Beaten Biscuits. O. M. Walker. 32,270; June 7.
Stage Coach. For Oranges. Rogue River Corporation. 32,261; June 7.
Sugar Kream. For Bread and Pastry. J. H. (Dad) Puckett. 32,253; June 7.
Swastika. For Pears. S. A. Miller. 32,251; June 7.
10. For Automobiles. L. Jay Hannah and Company. 32,237; June 7.
The Pride of The West. For Butter. Menasha Printing and Carton Company. 32,250; June 7.
3. For Automobiles. L. Jay Hannah and Company. 32,230; June 7.
2. For Automobiles. L. Jay Hannah and Company. 32,229; June 7.
10-Oz. B-K Powerful Disinfectant, Deodorant, Purifier, Antiseptic. For a Sodium-Hypochlorite Fluid. General Laboratories. 32,224; June 7.
Ultrabest. For Candy. Bunte Brothers. 32,216; June 7.
Wands. For Underwear. Wheatley & Schwabe. 32,272; June 7.
Will Not Scratch. For a Polish and Cleaner For Metal, Glass, and Painted Surfaces. Lincoln-Durant Manufacturing Company. 32,248; June 7.

ALPHABETICAL LIST OF PRINTS.

A-I-D. For Drugs. Allied Independent Druggists. 9,873; June 7.
A Truck That Does the Things Other Trucks Would Like to Do. For Motor Trucks. Relay Motors Corporation. 9,905; June 7.
A Winner For Sales: Flit-Flit Window Display Increases Sales 400%. For Insecticide. Stanco Distributors, Incorporated. 9,909; June 7.
Cadet Van Dyke Foot. For Hosiery. Cadet Knitting Company. 9,878; June 7.
Care of your Piano. For Piano Polish. Dajan Chemical Company. 9,881; June 7.
Clubs of Character for Every Golfer. For Golf Clubs. Vulcan Last Company. 9,911; June 7.
Dr. Whites Cold and Grippe Pills. For Medicine for the Relief of Colds, Headache, Grippe. First National Laboratories, Inc. 9,891; June 7.
Dr. Whites Genuine Tablets. For Medicine for the Relief of Colds, Headache, Grippe. First National Laboratories, Inc. 9,890; June 7.
Dr. Whites Tasteless Epsom Salts Tablets. For Medicine for the Relief of Constipation, Headache, and Dizziness. First National Laboratories, Inc. 9,889; June 7.
Fix-A-Gloss. For Hair and Scalp Treatments. A. J. Krank. 9,899; June 7.
'Gee! I'm Full O' Pep an' Eskimo Pie!' For Frozen Confections. Eskimo Pie Corporation. 9,888; June 7.
Get The Facts About Oil-Burning as Applied To Your Home. For Oil Burners. May Oil Burner Corporation. 9,900; June 7.
Gimme a Close-Up on the World's Greatest Fillum—Eskimo Pie! For Frozen Confections. Eskimo Pie Corporation. 9,882; June 7.
Golf. For Golf Clubs. Vulcan Last Company. 9,912; June 7.
If You've Always Wanted a White House You Can Have it Now. For Paint. New Jersey Zinc Company. 9,901–2; June 7.
Ilco-Ryan-Lite. For Automobile Lamps. Indiana Lamp Corporation. 9,895; June 7.
Just can't Think of Nothin' Better'n Eskimo Pie. For Frozen Confections. Eskimo Pie Corporation. 9,887; June 7.
'Me Plus Eskimo Pie Equals 100%.' For Frozen Confections. Eskimo Pie Corporation. 9,883; June 7.
Metroline Motor Oil. For Motor Oil. Nat Rue and Israel B. Zimmerman. 9,906; June 7.
Now! A Headlight That Floodlights the Road. For Automobile Lamps. Indiana Lamp Corporation. 9,894; June 7.
One Way Disc Plow. For Plows. Ohio Cultivator Company. 9,903; June 7.
Rakar. For a Folding Rake with a Handle for Recovering and Finding Golf Balls Lost During a Game. L. H. Isern. 9,898; June 7.
'Round the Clock—an' 'Round the Calendar—Me an' Eskimo Pie. For Frozen Confections. Eskimo Pie Corporation. 9,885; June 7.
Shine-all. For Floor Polish. Hillyard Chemical Company. 9,893. June 7.
Skatin' As Smooth as Eskimo Pie Tastes! For Frozen Confections. Eskimo Pie Corporation. 9,884; June 7.
Speed-O-Laq. For Varnish. Speed-O-Laq Products Co. 9,908; June 7.
Style Comfort Wear Good (Wingfoot) Year Wingfoot Heels. For Rubber Heels Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 9,892; June 7.
Super Motor Fuel Rotor Gas. For Fuel for Internal-Combustion Engines. Columbia Oil Company. 9,879; June 7.
Superbilt. For Mattresses. United Mfg. Co. 9,910; June 7.
The Beautiful and Highly Efficient Ilco-Ryan-Lite. For Automobile Lamps. Indiana Lamp Corporation. 9,897; June 7.
The Demand is Here. For Automobile Lamps. Indiana Lamp Corporation. 9,896; June 7.
The Use of Starchy Foods in the Early Months of Infant Feeding. For Wheat Breakfast Food. Cream of Wheat Co. 9,880; June 7.
'Three Cheers—Says My Taster' 'Tiger-r-r—Says My Stomach'. For Frozen Confections. Eskimo Pie Corporation. 9,886; June 7.
Turkish Towel. For Turkish Towels. Simplex Sampling Association, Inc. 9,907; June 7.
Unique Thin Lead Colored Pencils No. 139. For Pencils. American Lead Pencil Company. 9,875; June 7.
Venus Pencil No. 127. For Pencils. American Lead Pencil Company. 9,874; June 7.
Venus Pencils No. 140. For Pencils. American Lead Pencil Company. 9,876; June 7.
Vulcan. For Golf Clubs. Vulcan Last Company. 9,913; June 7.
Winning Approval. For Groceries. Reid, Murdoch & Co. 9,904; June 7.
You Don't Try on Underwear Before You Buy It. For Athletic Underwear. B. V. D. Company. 9,877; June 7.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. W. G. Block Company. 245,044; June 7.
Coal. Consolidated Fuel Company. 246,393; June 7.
Coal. Consumers Company. 245,534; June 7.
Leather. Alpena Leather Corporation. 245,240; June 7.
Leather. Griess Pfleger Tanning Company. 230,538; June 7.
Leather, Lacquered. Cornelius Heyl Aktiengesellschaft. 246,889; June 7.
Logs. W. L. Kann. 245,721; June 7.
Plants, lilies, imported and native garden bulbs, shrubs, etc., Hardy. Wayside Gardens Co. 246,866; June 7.

CLASS 2.

Containers of jewels, pins, toothbrushes, bud vases, etc. Du Pont Viscoloid Company. 244,819; June 7.

CLASS 4.

Cleaner and polish, Liquid shoe. Tor-Tis Company Incorporated. 245,382; June 7.
Cleaner, Kid-shoe. C. Foster. 247,071; June 7.
Cleaning compound, Liquid. Keewaugan Products Co. Inc. 247,024; June 7.
Dressing, Automobile top. Standard Insulation Company. 246,937; June 7.
Dressing for shoes, Waterproof. C. J. Johnson. 246,753; June 7.
Soap powder combined with mineral ingredients. Cudahy Packing Co. 246,741; June 7.

CLASS 5.

Cement and rubber cement, Radiator. F. H. Newman. 246,843; June 7.

CLASS 6.

Antiseptic powders. P. Levin. 244,017; June 7.
Antiseptic throat pellets. Northrop & Lyman Co. 247,035; June 7.
Chemicals, aldehydes, alcohols, etc. Albert Verley, Inc. 247,655–6; June 7.
Cologne water, perfumery, hair tonics, shampoo, etc., Eau de. P. P. Mülhens. 242,051; June 7.
Compound for the treatment of pulmonary diseases. A. Latour. 230,177; June 7.
Cosmetics and toilet preparations. Birto, Perfumer. 243,248; June 7.
Cream, Skin-bleaching. C. H. Shaw. 236,965; June 7.
Creams and powders, toilet water, perfumes, and skin lotions, Face. C. W. Hoppie. 247,318; June 7.
Creams, reducing creams, rouges, etc., Face. M. S. Loewenthal. 243,957; June 7.
Deodorant. Sunland Laboratories Inc. 243,397; June 7.
Disinfectant, Plant. Bayer Company. 247,307; June 7.
Disinfectants and germicides. Mond Staffordshire Refining Company Limited. 246,303; June 7.
Dyes. Teddy Tints, Inc. 245,306; June 7.
Fungicide, seed disinfectant. E. I. du Pont de Nemours and Company. 246,673; June 7.
Gas, Natural. J. C. Whitfield. 248,071; June 7.
Insecticide, Household. Pax Manufacturing Company. 248,248; June 7.
Insecticides, Liquid. Little Brown Jug, Inc. 246,099; June 7.
Laxative preparation. Minto-O-Lax, Inc. 247,626; June 7.
Liniment. R. Rubin. 230,846; June 7.
Medicated chewing gum. John Lecroy & Son. 248,006; June 7.
Medicated plasters for aches, pains, and bruises. Painpatch, Incorporated. 246,498; June 7.
Medicinal powders. W. G. Jefferson. 246,209; June 7.
Medicinal preparation. Tarrant Company. 245,870; June 7.
Medicine. V. Belanger. 239,288; June 7.
Medicine, Cases or kits containing. Travello Chemical & Supply Company. 246,450; June 7.
Medicine for asthma and hay fever. Bundt Laboratories. 247,596; June 7.
Medicine for deafness. D. F. Kalogerakos. 245,561; June 7.
Medicine for rheumatism. D. D. Kalogerakou. 245,562; June 7.
Medicine, Itch. A. N. Apgar. 246,526; June 7.
Medicines. K. D. C. Company. 247,273; June 7.
Mouth wash having deodorant, astringent, and cleansing properties. Parke, Davis & Company. 247,750; June 7.
Perfume. J. & E. Atkinson, Limited. 246,657; June 7.
Perfume, toilet water, shampoo, face powder, rouge, etc. Enterprise Chemical Co. 247,938; June 7.
Perfumes. R. R. Du Pre. 247,892–3; June 7.
Perfumes. A. Martory. 248,108–9; June 7.
Perfumes. A. Martory. 248,111–13; June 7.
Perfumes, body lotions, face powders, bath salts, etc. Erte, Inc. 247,529; June 7.
Perfumes, body lotions, face powders, bath salts, etc. J. S. Lindemann. 247,550; June 7.
Perfumes, rouge, lip sticks, etc. Marshall Field & Company. 245,968; June 7.
Perfumes, rouge, lip sticks, etc. Marshall Field & Company. 245,971; June 7.
Pharmaceutical preparation. Schering & Glatz, Inc. 247,911; June 7.
Pomade, Hair. A. Rigoulot. 246,933; June 7.
Powder, nail polish, cuticle remover, etc., Nail. Remiller Co. 246,774; June 7.
Powder used for an acid condition of the intestines. Triphosal Company. 248,024; June 7.
Powders, creams and packs, rouges, hair oils, etc., Face. Garry & Company. 247,368; June 7.
Powders, creams, and packs, rouges, perfumes, hair oils, etc., Face. American Beauty Perfumers. 247,837; June 7.
Preparation, Dental. M. E. Palmer. 246,046; June 7.
Preparation for piles. Dolan and Hancock. 247,936; June 7.
Preparation for the treatment of gall bladder and hepatic disorders. Anasarcin Chemical Company. 247,924; June 7.
Preparation for the treatment of rheumatism. Rugenal Corporation. 247,042; June 7.
Preparation for use in the treatment of tuberculosis. J. A. Sloan. 246,313; June 7.
Preparation for use in treating varicose ulcers. H. J. Whittier. 247,110; June 7.
Prophylactic and germicide preparations. Von Danez-Fisher, Inc. 242,259–60; June 7.
Salol compound, santal oil, compound of copaiba, cubeb, and santal. Laboratoire de Pharmacologie, Inc. 247,742; June 7.
Salts, Bath. Storfer Laboratories Inc. 244,416; June 7.
Salve for eczema and kindred skin diseases. A. H. Spare. 245,114; June 7.
Shampoo. Dynamic Chemical & Mineral Company. 247,417; June 7.
Solution, Storage-battery. W. J. Bailey. 246,998; June 7.
Tablet of hexamethylenamine. Eli Lilly and Company. 247,135; June 7.
Toilet articles. Les Parfums de Rosine, Inc. 244,616; June 7.
Tonic, Nerve. Aktiengesellschaft Hommel's Haematogen. 241,553; June 7.
Tooth preservatives. F. Sacco. 244,185; June 7.

CLASS 7.

Rope and twine, Manila and sisal. Merchant Products Corporation. 247,484; June 7.

CLASS 9.

Ammunition. Winchester Repeating Arms Company. 247,111; June 7.
Matches, Safety. Vulcan Match Co. 246,250–1; June 7.

CLASS 10.

Fertilizers. Agricultural Chemical Works. 238,149; June 7.

CLASS 11.

Ink, Writing. American Crayon Company. 246,805; June 7.

CLASS 12.

Cement. Aktieselskabet Aalborg Portland-Cement Fabrik. 245,132; June 7.
Cement plaster, Neat. Atlantic Gypsum Products Company. 244,206; June 7.
Earth, Diatomaceous. Celite Company. 231,366; June 7.
Glazing material. W. E. Dunn Manufacturing Co. 244,397; June 7.
Lumber, Waterproofed. E. S. Evans & Co. Inc. 245,431; June 7.
Lumber, woodwork, and lath. Western Pine Manufacturers Association. 243,334; June 7.
Plastic leak-sealing compound. Furmanite Corporation. 246,826; June 7.
Roofing. Paraffine Companies. 192,785; June 7.
Tile, Floor. A/S Sano. 242,220; June 7.
Tile, Quarry. United States Quarry Tile Co. 246,246–8; June 7.
Wall board. Beaver Products Company. 194,329; June 7.
Wax, Crack-sealing. E. R. Oden. 237,278; June 7.

CLASS 13.

Faucets, swing spouts, and flanges, Sink. Republic Brass and Manufacturing Company. 233,329; June 7.
Kitchen utensils. Utility Manufacturing Company. 244,035; June 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Nails and tacks, Shoe. Casa Anchorena, Inc. 247,312; June 7.
Nails, wire netting mesh, and grids, chains, etc., Wire. Báňská-A-Hutní Společnost. 245,610–11; June 7.
Valves and cocks. Mueller Co. 244,566; June 7.
Valves and faucets. Mueller Co. 244,567; June 7.

CLASS 14.

Lead. American Smelting and Refining Company. 247,159; June 7.

CLASS 15.

Oil, Lubricating. National Oil Co. 244,312; June 7.
Oil, Motor. Great Western Oil Company. 246,833; June 7.
Oils and greases, Lubricating. W. H. Barber Company. 242,465; June 7.
Oils and greases, Lubricating. W. J. Connor. 244,138; June 7.
Oils, Lubricating. Ford Motor Company. 246,606; June 7.
Oils, Lubricating. Pierce Petroleum Corporation. 239,052; June 7.
Oils, Lubricating. Walter & Co. 244,119; June 7.

CLASS 16.

Polish, Automobile and furniture. McKesson & Robbins, Incorporated. 246,841; June 7.

CLASS 17.

Cigars and cigarettes. R. Schwartz. 245,661; June 7.

CLASS 19.

Automobiles. Studebaker Corporation. 246,367–8; June 7.
Automobiles. Studebaker Corporation. 246,511; June 7.
Cabs for automotive vehicles. Metropolitan Body Company. 229,747; June 7.
Shock absorbers. Simplex Shock Absorber Company. 247,292; June 7.

CLASS 20.

Linoleum and felt-base floor coverings. Armstrong Cork Company. 246,995; June 7.
Oiled-cloth type, Prepared floor coverings of the. Congoleum-Nairn Inc. 248,350; June 7.
Oiled-cloth type, Prepared floor coverings of the. Congoleum-Nairn Inc. 248,352; June 7.

CLASS 21.

Electric-lighting fixtures and portable table and floor lamps, etc. Peerless Light Co. 245,747; June 7.
Electric lights and the like, Sockets for. Weber Electric Company. 246,649; June 7.
Electric signs. Artkraft Sign Company. 240,335; June 7.
Electrical apparatus, and particularly storage batteries and parts thereof. Compagnie Générale d'Electricité. 239,093; June 7.
Insulators, insulator fittings, and pins, Electrical. R. Thomas & Sons Co. 219,459; June 7.
Radio cone speakers. Sandar Corporation. 242,504; June 7.
Radio receiving sets and parts and accessories. Ajax Electric Specialty Company. 234,427; June 7.
Radiotransformers, radio receiving sets, tuning units, plugs, etc. Electrical Research Laboratories. 246,743; June 7.
Vacuum tubes and valves. Radio Corporation of America. 246,772; June 7.

CLASS 22.

Dolls. J. de M. Brumback. 247,460; June 7.
Fishhooks. O. Mustad & Søn. 246,970; June 7.
Game apparatus. Bee Jay Products Co. 230,513; June 7.
Golf balls. R. Smith. 248,259; June 7.
Recording the number of hits made during the course of a game of golf, Device for. F. H. Borm. 247,773; June 7.

CLASS 23.

Condensers, air and gas coolers, Steam and vapor. Chicago Pneumatic Tool Company. 237,945; June 7.
Dishwashing apparatus. Dishwashette Corporation. 245,621; June 7.
Lubricating apparatus, Portable. Lincoln Steel & Forge Company. 226,905; June 7.
Machines for bakeries and confectioneries. F. Aeschbach S. A. 246,878; June 7.
Mixing and tempering machines, Bakers'. Century Machine Company. 247,123; June 7.
Mixing machines, Bakers'. Century Machine Company. 247,122; June 7.
Oil separators. National Pipe Bending Company. 229,925; June 7.
Pump for fluids. Larvex Corporation. 248,005; June 7.
Signal devices. Compagnie Industrielle et Commerciale du Cycle et du l'Automobile. 243,083; June 7.
Sweepers, Carpet. C. F. Hovey Co. 248,104; June 7.
Trimming machines. R. Hoe & Co. 229,512; June 7.
Vibratory apparatus. B. F. Gump Co. 229,908; June 7.

CLASS 24.

Clothes extractors, collar shapers, ironing machines, etc. Willey-Ellis Company. 234,887; June 7.

CLASS 26.

Fare indicators. Kienzle Uhrenfabriken A.–G. 247,087; June 7.
Gauge glass. John Moncrieff, Limited. 247,022; June 7.
Lenses and frames and mountings therefor, Ophthalmic. J. Scadron. 237,822; June 7.
Meters, Oil and gasoline. S. F. Bowser & Company. 246,812; June 7.
Printing plates and photo films. Jeffery White Studio, Inc. 236,895; June 7.

CLASS 27.

Clocks. William L. Gilbert Clock Company. 236,743; June 7.
Clocks and watches. Chicago Mail Order Company. 246,888; June 7.
Watches. S. Bruner Inc. 244,601; June 7.

CLASS 28.

Necklaces and bracelets. Samstag & Hilder Bros., Inc. 229,057; June 7.
Pearls, necklaces, brooches, etc. Cohn & Rosenberger, Inc. 234,253; June 7.
Pins, badges, buttons, etc. Pi Kappa Phi Fraternity. 245,860; June 7.

CLASS 31.

Refrigerators, refrigerator counters, etc. H. S. Cleveland. 247,124; June 7.

CLASS 32.

Chairs and household tables, sofas, etc., Upholstered household. Polly Parsons, Inc. 239,719; June 7.
Davenports, bed davenports, chairs, and rocking-chairs. Roberti Bros. 246,570; June 7.
Furniture. Company of Master Craftsmen, Inc. 239,920; June 7.
Furniture, Upholstered. H. Schiff. 246,509; June 7.

CLASS 33.

Glassware. Gleason-Tiebout Glass Company. 246,546; June 7.

CLASS 34.

Burners, Liquid-fuel. Nu-Way Corporation. 238,132; June 7.

CLASS 35.

Belting, Rubber. Goodyear Tire & Rubber Company. 248,038; June 7.
Packing, Flexible metallic. Eureka Packing Co. 228,897; June 7.
Piston rings. Wel-Ever Piston Ring Co. 245,174; June 7.

CLASS 36.

Phonographs, phonographs adapted for combination with radio receiving sets, and parts for such phonographs. Columbia Phonograph Company. 246,669–70; June 7.

CLASS 37.

Crayons, Colored and pastel. Vereinigte Farben- & Lackfabriken. 244,252; June 7.
Diary, Bridge. Ace Bridge Diary Syndicate. 246,143; June 7.
Fabric without warp or woof. N. L. Duryea. 247,677; June 7.
Paper, Manuscript music. Carl Fischer, Inc. 246,946; June 7.
Pens, roller blotters, and fountain-pen parts, Fountain. Hartline Blotter Pen Co. 246,610; June 7.

CLASS 38.

Magazine. S. A. Paddock. 247,205; June 7.
Mottoes, Gift. Buzza Company. 234,370; June 7.
Music, Sheet. Villa Moret, Inc. 246,057; June 7.
Music, Sheet. Villa Moret, Inc. 246,184; June 7.
Newspaper section. King Features Syndicate, Inc. 247,545; June 7.
Publication. D. Gordon. 247,183; June 7.
Publication. Literary Guild of America, Inc. 245,734; June 7.
Publication. Thrilling Tales, Inc. 246,784; June 7.
Publications. National Poultry Institute, Inc. 246,174; June 7.

CLASS 39.

Apparel, Men's wearing. Mel Reese Co. Inc. 244,458; June 7.
Belts. Reliable Belt Co. 245,909; June 7.
Boots, shoes, and slippers. Dorothy Dodd Shoe Company. 246,823; June 7.
Boots, shoes, sandals, etc. Chaussures Bally Société Anonyme de Fabrication. 245,473; June 7.
Coats, pants, pyjama suits, shirts, etc., Men's. Haspel Brothers, Inc. 246,549; June 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Furnishings, undergarments, and clothing, etc. Franklin Simon & Co. Inc. 242,660; June 7.
Hats and caps. Levine & Smith. 246,838; June 7.
Hats, Ladies' and children's. Phil Dressner & Co. 247,676; June 7.
Hats, Men's. Long's Hat Stores Corporation. 246,964; June 7.
Hats, Men's. Stylepark Hats, Inc. 242,629; June 7.
Hosiery. Cannon Mills, Inc. 247,350; June 7.
Hosiery. Dayton Hosiery Mills. 240,644; June 7.
Hosiery and shoes. Famous. 24,602; June 7.
Neckties. Etablissements Paul Oimer & Cie. 243,353; June 7.
Raincoats and overcoats, Rubberized and waterproof. S. H. Freedman. 244,686; June 7.
Shirts, blouses, and pyjamas. S. Liebovitz & Sons, Inc. 244,310; June 7.
Shoes. Churchill and Alden Company. 247,067; June 7.
Shoes. Marshall Field & Company. 247,177; June 7.
Shoes and boots. Chicago Mail Order Company. 246,666; June 7.
Shoes, slippers, and boots, etc. I. Miller & Sons, Inc. 248,010; June 7.
Suits, overcoats, etc. Ben Rocke, Inc. 245,923; June 7.
Underwear, Men's athletic. Oppenheim, Oberndorf & Co. 238,610; June 7.
Wearing apparel. Julian Goldsman Stores, Inc. 246,029; June 7.

CLASS 40.

Elastic bands. Andrew Jergens Company. 245,897; June 7.
Fasteners for the waistbands of trousers. Alma Manufacturing Company of Baltimore City. 246,261; June 7.
Patterns for producing lacework. J. H. Wachter. 246,521; June 7.

CLASS 42.

Bedspreads, bedquilts, etc. Monadnock Mills. 246,619; June 7.
Carpets and rugs, Wool. Charles W. Poulson & Sons Carpet Co. Inc. 247,039; June 7.
Carpets and rugs, Wool. Charles W. Poulson & Sons Carpet Co. 247,208; June 7.
Cotton piece goods. Amory, Browne & Co. 247,059; June 7.
Cotton yard goods in the piece. R. H. Macy & Co. 245,737; June 7.
Knitted fabrics. Lebanon Mill Company. 245,501; June 7.
Silk piece goods. Doshi Trading Co. Ltd. 246,671; June 7.
Silk piece goods. Zollinger & Schroth, Inc. 243,912; June 7.
Woolen piece goods. Forstmann & Huffmann Company. 245,198; June 7.
Woolen piece goods. Forstmann & Huffmann Company. 245,203; June 7.
Woolen piece goods. Forstmann & Huffmann Company. 245,205; June 7.
Woolen piece goods. Forstmann & Huffmann Company. 248,357–9; June 7.
Woolen piece goods. Ware Woolen Company. 247,050; June 7.

CLASS 44.

False teeth, dentures, and restorations. L. B. Galhouse, 242,287; June 7.

CLASS 45.

Beverage and sirup for making same. D. A. Turchi Sons. 246,240–1; June 7.
Beverages. R. Goodwin. 246,400; June 7.
Beverages. T. L. Husting Co. 247,794; June 7.
Beverages. St. Paul Bottling Company. 246,231; June 7.
Beverages and sirups and extracts for making the same. Elite Catering Company. 242,826; June 7.
Ginger ale. D. Bordagaray. 247,164; June 7.
Sirup sold as a soft drink, Nonalcoholic, maltless. S. Zaroff. 243,518; June 7.

CLASS 46.

Biscuits. Bremner Bros. 248,149; June 7.
Bread. Beck's Baking Corporation. 242,565; June 7.
Bread. Gordon-Pagel Company. 208,649; June 7.
Bread, cakes, and rolls. Old Colony Bakery Inc. 246,925; June 7.
Butter, eggs, and fresh milk. Providence Public Market Co. 218,717; June 7.
Candies. J. S. Auerbach. 245,824; June 7.
Candy. Bissinger Candy Company. 227,435; June 7.
Candy. Geiger Candy Company. 247,426; June 7.
Canned and smoked fish. Van Camp Sea Food Co. Inc. 247,649; June 7.
Canned fruits and berries, peanuts, wheat flour, and dried fruits. Wilcox-Hayes Co. 245,678; June 7.
Canned fruits, berries, and vegetables. Gordon Canning Corporation. 248,173–5; June 7.
Canned spinach, sliced pineapple, crushed pineapple, chile con carne, etc. Adams and Sons Grocer Company. 245,682; June 7.
Canned vegetables. Cupp Grocery Company. 248,160; June 7.
Canned vegetables. Hoopeston Canning Co. 246,751; June 7.
Canned wheat. Dr. Brent's Nature Food Co. Inc. 240,696; June 7.
Cheese. Sierra Food Company. 209,502; June 7.
Coffee. B. H. Karmen. 242,940; June 7.
Coffee and tea. Thomas J. Webb Co. 235,240; June 7.
Coffee, Green. J. Aron & Company. 248,215; June 7.
Coffee substitute. A. G. Ridgeway. 246,437; June 7.
Corn, oats, cottonseed, linseed, bran, dairy feeds, etc. White Brothers. 240,895; June 7.
Eggs and dressed poultry. Central City Produce Company. 246,951; June 7.
Feed, Cow. City Mills Company. 242,093; June 7.
Food, Prepared poultry. Seymour Packing Company. 246,855; June 7.
Fruits, Fresh citrous. Ocala Fruit Packing Company. 240,768; June 7.
Fruits, Fresh citrous. Valentine Fruit Co. 244,804; June 7.
Fruits, Preserved. B. H. Karmen. 239,179; June 7.
Haddock and toasted fillets, salt codfish, fish flakes, etc. Bay State Fishing Company. 247,725; June 7.
Mayonnaise and Russian dressing. Hostess Products Corp. 194,447; June 7.
Oil, Olive. Italian Grocers Association. 245,910; June 7.
Peaches and cucumbers. Del-Bay Farmers, Inc. 230,229; June 7.
Pies. Oriole Inc. 241,896; June 7.

CLASS 48.

Malt sirup. J. F. Denend. 245,898; June 7.
Malt sirup. S. H. Stone. 244,246; June 7.

CLASS 50.

Religious articles. Erhard & Söhne. A. G. 231,797; June 7.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A. C. Spark Plug Company. (See Champion, Albert, assignor.)
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive headlight. 1,631,112; June 7.
Ach, Ernest M., assignor to The Samuel Ach Company, Cincinnati, Ohio. Lady's trimmed hat. 1,631,945; June 7.
Ach, Samuel, Company, The. (See Ach, Ernest M., assignor.)
Acme Card System Company. (See Clark, William C., assignor.)
Acme Card System Company. (See Johnston, Frank H., assignor.)
Advance-Rumely Company. (See Krenske, John G., assignor.)
Advance-Rumely Company. (See Worthington, Wayne H., assignor.)
Aktiebolaget Ferrolegeringar. (See Berlin, David W., assignor.)
Alden, Herbert W., and G. Hufferd, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Brake for automobiles. 1,631,448; June 7.
Aldrich, Lester K., Sidney, Ohio. Automatic feeder. 1,631,181; June 7.
Aldrin, Leonard, Denver, Colo. Shock absorber. 1,631,569; June 7.
Alexander, Clinton B., Washington, D. C. Casing and making the same. 1,631,611; June 7.
Alexander, Ralph I., Kankakee, assignor to Inland Engineering Company, Chicago, Ill. Mobile machinery. 1,631,184; June 7.
Alexander, Ralph I., Kankakee, and A. H. Exton, Chicago Heights, assignors to Inland Engineering Company, Chicago, Ill. Traction equipment for mobile machinery. 1,631,182; June 7.
Alexander, Ralph I., Kankakee, and A. H. Exton, Chicago Heights, assignors to Inland Engineering Company, Chicago, Ill. Steering mechanism for mobile machinery. 1,631,183; June 7.
Alford, Allen D., Dallas, Tex. Reamer drill bit. 1,631,449; June 7.
Allen, Fred D., Portsmouth, Va. Demountable rim. 1,631,906; June 7.
Allingham, Sidney, London, assignor to Robert Boby Limited, Bury St. Edmunds, England. Machine for harvesting flax and other plants. 1,631,612; June 7.
Allis-Chalmers Manufacturing Company. (See Knight, Earle R., assignor.)
American Can Company. (See Loesel, Nicholas, assignor.)
American Car and Foundry Company. (See Constantine, Alphonse A., assignor.)
American Car and Foundry Company. (See Cooper, W. E., and Willoughby, assignors.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Elder, Thomas W., jr., assignor.)
American Car and Foundry Company. (See Field, Henry P., assignor.)
American Car and Foundry Company. (See Gibbs, Frederick H., assignor.)
American Car and Foundry Company. (See Johnson, W. V., and McDowell, assignors.)
American Car and Foundry Company. (See Kassler, Adolph, assignor.)
American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
American Car and Foundry Company. (See Rohlfing, John M., assignor.)
American Car and Foundry Company. (See von Dabrowski, Lothar, assignor.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Cyanamid Company. (See Barsky, George, assignor.)
American Katalite Corporation. (See Sokal, Edward, assignor.)
American Laundry Machinery Company, The. (See Taylor, James H., assignor.)
American Molstening Company. (See Comins, Frank B., assignor.)
American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)
American Separator Company, The. (See Collins, Thomas, jr., assignor.)
American Telephone and Telegraph Company. (See Matthews, E. M., and Carr, assignors.)
American Telephone and Telegraph Company. (See Peterson, George H., assignor.)
American Telephone and Telegraph Company. (See Wilburn, Sidney D., assignor.)
Amet, Edward H., Redondo Beach, Calif. Motion-picture screen. 1,631,240; June 7.
Amet, Edward H., Redondo Beach, Calif. Motion-picture-film feed. 1,631,570; June 7.
Anaconda Sales Company. (See Robinson, Thomas, assignor.)
Anchor Post Fence Company. (See Thomson, Herbert G., assignor.)
Andersen, Lauritz W., Waterbury, Conn. Shade holder. 1,631,613; June 7.
Anderson, Edward, assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio. Bond for elastic grinding wheels and applying the same. 1,631,113; June 7.
Anderson, Graig W., Columbus, Ohio. Hair curler and waver. 1,631,781; June 7.
Anderson, Gustaf B., Minneapolis, Minn. Power-propelled runner attachment for motor vehicles. 1,631,114; June 7.
Anderson, Loris R., Brooklyn, N. Y. Advertising sign. 1,631,782; June 7.
Andreoli, Henry P., Long Beach, N. Y. Transformer. 1,631,393; June 7.
Andrew, Cyrus N., Yucaipa, Calif. Metrical optic and acoustic recording and reproduction. 1,631,450; June 7.
Angelini, Oreste, Rome, Italy. Arrangement for hydraulic internal reaction propulsion. 1,631,783; June 7.
Angell, Fred P., Huntington Park, Calif. Door-operating mechanism. 1,631,907; June 7.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Base assembly for dental equipment stand. Des. 72,785; June 7.
Anglo-California Trust Company, trustee. (See Miner, Claude G., assignor.)
Anibal, Benjamin H., Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich. Distributor mounting. 1,631,185; June 7.
Ankeny, Arthur W., Indiana, Pa. Mechanically-operated figure toy. 1,631,451; June 7.
Appel, Daniel, assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio. Machine for making paper bags. 1,631,452; June 7.
Apple, Vincent G., Dayton, Ohio. Building dynamo-electric-machine armatures and windings for same. 1,631,186; June 7.
Archer Rubber Company. (See Emery, Herbert W., assignor.)
Arnstein, Karl, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Rigid airships. 1,631,908; June 7.
Arnt, Herald P., Lakewood, Ohio. Sprinkling-hose support. 1,631,849; June 7.
Aspden, Ralph L., Chorley, England. Variable condenser. 1,631,453; June 7.
Atwood, Charles E., Binghamton, N. Y. Ground brake. 1,631,115; June 7.
Atwood, Hart W., Portland, Oreg. Heating device. 1,631,614; June 7.
Auto Pneumatic Action Company. (See La Joie, Hubert J., assignor.)
Automatic Electric Inc. (See Fahrenfeld, Fred W., assignor.)
Automatic Electric Inc. (See Sipe, Clinton R., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)
Automatic Scale Company, The. (See Blick, Ernest L., assignor.)
Ayers, Charles E., Cleves, Ohio. Blow-out patch for balloon tires. 1,631,354; June 7.
Babcock & Wilcox Company, The. (See Kohler, Anthony M., assignor.)
Badin, Raoul E., Paris, France. Liquid-level indicator. 1,631,909; June 7.
Bain, John, et al. (See Geake, William H. G., assignor.)
Baird, Glen W., and A. Lamb, Drummond, Idaho. Motor-driven toothbrush. 1,631,394; June 7.
Baird, Hasen B., New York, N. Y. Hair-waving apparatus. 1,631,571; June 7.
Baker & Company. (See Colby, E. A., Maculen, and Van Allen, assignors.)

Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)

Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Well-drill-pipe float coupling. 1,631,509; June 7.

Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Electric condenser. 1,631,665; June 7.

Baldwin, Clarence D., Bellingham, Wash. Embroidery-hoop clamp. 1,631,355; June 7.

Ballamos, Elizabeth. (See Reason, Walter M., assignor.)

Ballard Service Corporation. (See Goodridge, George E., assignor.)

Balston, Clyde C., New York, N. Y. Transmitting mechanism. 1,631,572; June 7.

Bambach, John J., and M. W. Collins, Wilkes-Barre, Pa. Liquid-dispensing apparatus. 1,631,454; June 7.

Bambini, Aurelio, Seward, Pa. Aeroplane. 1,631,187; June 7.

Bamford, Cyril J. (See Bamford, Joseph and C. J.)

Bamford, Joseph and C. J., Uttoxeter, England. Tine for haymaking and like machinery. 1,631,455; June 7.

Bankers Savings & Credit System Company, The. (See Moffett, Marcus H., assignor.)

Banning, Thomas A., jr., Wilmette, Ill. Fuel feeding and metering systems and apparatus. 1,631,356; June 7.

Barber Asphalt Company, The. (See Ritter, George, assignor.)

Bardin, Victor, St.-Denis, France. Valved pipe coupling. 1,631,456; June 7.

Barelman, Edward, Guelph, Ontario, Canada. Furnace. 1,631,116; June 7.

Barker, Edwin H., Moylan, assignor to A. H. Wirz, Inc., Chester, Pa. Dispensing bottle stopper. 1,631,784; June 7.

Barker, Walter R., and L. Jensen, assignors to United Autographic Register Company, Chicago, Ill. Autographic-register cash drawer. 1,631,395; June 7.

Barnett, John B., assignor of one-half to W. G. McCann and one-half to A. E. Spellissy, Philadelphia, Pa. Display device. 1,631,785; June 7.

Barrett, Lewis B., Bangor, Me. Wire holder. 1,631,510; June 7.

Barsky, George, assignor to American Cyanamid Company, New York, N. Y. Refrigerant. 1,631,573; June 7.

Barton, Theophilus F., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,631,715; June 7.

Basho, Bela K., New York, N. Y. Peanut and potato digger. 1,631,457; June 7.

Bateman, Charles E., Minneapolis, Minn. Window. 1,631,666; June 7.

Battilani, Stefano, New York, N. Y. Shoe tree. 1,631,786; June 7.

Baumberger, William J., Davenport, Iowa, assignor, by mesne assignments, to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,631,188; June 7.

Baurelle, Albert C. (See Carroll, John R., assignor.)

Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)

Bausch & Lomb Optical Company. (See Stevenson, Clarence M., assignor.)

Baverey, François, assignor to Societe Du Carburateur Zenith, Lyon, France. Carburetor. 1,631,716; June 7.

Beard, Lawrence O., Lancaster, Pa. Valve-refacing tool. 1,631,850; June 7.

Beaver Machine & Tool Co. (See Slade, Harold E., assignor.)

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 72,786; June 7.

Beckmann, Johannes, Charlottenburg, Germany, assignor to General Electric Company. Electric furnace system. 1,631,667; June 7.

Beegle, Raymond E., East St. Louis, Ill., assignor of one-half to W. J. Steinbreder, St. Louis, Mo. Clamping device. 1,631,396; June 7.

Belden, Albert G., assignor to Norton Company, Worcester, Mass. Machine-tool work supporting and driving mechanism. 1,631,458; June 7.

Bell, Jessie M., Tacoma, Wash. Doll. Des. 72,787; June 7.

Bénit, Henri, assignor to l'Eclairage des Vehicules Sur Rail, Paris, France. System of electrical supply. 1,631,574; June 7.

Benner, Raymond C., Bayside, N. Y., assignor to The Prest-O-Lite Company, Inc. Storage battery. 1,631,511; June 7.

Bennett, Arthur, Chilliwack Township, British Columbia, Canada. Shock absorber. 1,631,459; June 7.

Bennett, Charles E., Decatur, Ga. Fuse. 1,631,851; June 7.

Bennett, George L., Cleveland Heights, Ohio. Building wall construction. 1,631,787; June 7.

Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser-operating mechanism for variable condensers. 1,631,788; June 7.

Bent, George H., Battle Creek, Mich. Weighing machine. 1,631,117; June 7.

Bergquist, Arthur E., Lindstrom, Minn. Potato-mashing machine. 1,631,910; June 7.

Berlin, David W., Rosunda, near Stockholm, assignor to Aktiebolaget Ferrolegeringar, Stockholm, Sweden. Producing rustless iron and steel. 1,631,512; June 7.

Berry, Clarence C., Valley Park, Mo. Electrical connection. 1,631,575; June 7.

Berry, Fred F., Concord, N. H. Extension leg attachment for ladders. 1,631,513; June 7.

Beveridge, James B., Richmond, Va. Manufacture of paper pulp. 1,631,789; June 7.

Binford, James R., Dallas, Tex. Window-shade guide. 1,631,460; June 7.

Black, Percy S. (See Negly, L. A., and Black.)

Blair, Robert F., and G. Hind, Detroit, Mich. Driver's compartment for vehicles. 1,631,357; June 7.

Blanchard, Frederick C. (See Lea, Charles, assignor.)

Blanding, Joseph E., New London, assignor of one-half to Patrick B. McNamara, Groton, Conn. Internal-combustion engine. 1,631,615; June 7.

Blankenship, Stanley L. (See McLarty, E., sr., and Blankenship.)

Blick, Ernest L., assignor to The Automatic Scale Company, Limited, Altrincham, England. Stay connection for weighing apparatus and the like. 1,631,358; June 7.

Boby, Robert, Limited. (See Allingham, Sidney, assignor.)

Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Canopy for electric-lighting fixtures. Des. 72,788; June 7.

Bonsleur, Le, assignor to The General Phonograph Manufacturing Co., Elyria, Ohio. Commutator and making same. 1,631,461; June 7.

Boots, William C., assignor to Guyot Brothers, Attleboro, Mass. Expansible-link bracelet. 1,631,946; June 7.

Botterbusch, William D., Bluffs, Ill. Chicken feeder. 1,631,462; June 7.

Bowers, Claude E., Los Angeles, Calif. Stucco nail. 1,631,397; June 7.

Bowers, Claude E., Los Angeles, Calif. Device for connecting the abutting ends of concrete slabs. 1,631,576; June 7.

Boyer, Clifford F., Webster Groves, Mo. Refrigerator. 1,631,577; June 7.

Braden Steel & Winch Company. (See Schuetz, Thomas J., assignor.)

Bradshaw, Richard, Montreal, Quebec, Canada, assignor to Simmons Company, Kenosha, Wis. Bed-bottom fabric. 1,631,852; June 7.

Brahm, Albert, Dusseldorf-Rath, Germany. Connecting nipple for cast-iron heating-boiler elements. 1,631,911; June 7.

Brahs, George, Paterson, N. J. Shuttle tension. 1,631,305; June 7.

Breyer, Theodore V., New Philadelphia, Ohio. Telephone note rack and pencil holder. 1,631,717; June 7.

Briggs, William N., Pittsfield, Mass., assignor to General Electric Company. Making molded articles. 1,631,668; June 7.

Brislin, John, Brooklyn, N. Y. Fishing reel. 1,631,790; June 7.

Britt, Max, assignor to Swift & Company, Chicago, Ill. Smoking meat. 1,631,463; June 7.

Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Counting and indicating mechanism. 1,631,616; June 7.

Broadmeyer, Albert, assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Sheet-retarding means for sheet-feeding apparatus. 1,631,617; June 7.

Broadmeyer, Albert, assignor to W. O. Hickok Mfg. Company, Harrisburg, Pa. Underlift. 1,631,618; June 7.

Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Metallic window. 1,631,949; June 7.

Brooks, Winfred M., West Orange, N. J. Sealing means. 1,631,464; June 7.

Brown, Charles S., Dayton, Ohio. Fitting cooperating bodies. 1,631,359; June 7.

Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Electric fuse. 1,631,669; June 7.

Brown, George W., Marietta, Ohio. Cuff button. 1,631,912; June 7.

Brown Instrument Company, The. (See Brown, Richard P., assignor.)

Brown-Lipe Gear Company. (See Sponable, George W., assignor.)

Brown & Pengilly, Inc. (See Pengilly, Joseph H., assignor.)

Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument. 1,631,578; June 7.

Brown, Winifred A., Minneapolis, Minn. Brooms. 1,631,465; June 7.

Brush, Abbott P. (See Brush, Dorothy S. and A. P.)

Brush, Dorothy S., and A. P., Greenwich, Conn. Cigarette lighter. 1,631,514; June 7.

Bruson, Herman A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber. 1,631,947; June 7.

Bryant Electric Company. (See Thomas, George B., assignor.

Brysilka, Limited. (See Schubert, Frederich W., assignor.)

Buchi, Alexandar J., New York, N. Y. Electric hair curler. 1,631,180; June 7.

Buckley, Thomas A., Brooklyn, N. Y. Gum massaging and cleansing device. 1,631,791; June 7.

Buffardi, Pasquale, Irvington, assignor to E. W. Zeh, Newark, N. J. Adjustable eccentric. 1,631,466; June 7.

Bull, William R., Springfield, Mass. Method of and apparatus for cooling gun barrels. 1,631,190; June 7.

Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Tool-slide mechanism. 1,631,579; June 7.

Bullard Machine Tool Company, The. (See Bullard, Edward P., jr., assignor.)

Bullock, Charles A. H., London, England. Typesetting apparatus. 1,631,515; June 7.

Burgoyne, Ernest G. E. (See Ricks, F., and Burgoyne.)

Burkart, William, Denver, Colo. Stake for trucks, wagons, and other vehicles. 1,631,118; June 7.

Burner, William L., Koppel, Pa., and O. E., Kantenwein, Oak Park, Ill., assignors to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Supporting mechanism for dump cars. 1,631,241; June 7.

Burnham, George A., Saugus, assignor, by mesne assignments, to Conduit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,631,913; June 7.

Burnley, William B., Long Beach, Calif. Massaging device. 1,631,792; June 7.

Burns, Dawson J. (See Kaegi, Emil, assignor.)

Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Co., New Haven, Conn. Bolt-action firearm. 1,631,242; June 7.

Burton, Ralph B. (See Twyman, B. W. and Burton.)

Busey, Hubert J., Wichita, Kans. Tomb or grave closing device. 1,631,853; June 7.

Buvinger, George A., and C. Warner, assignors to Delco Light Company, Dayton, Ohio. Pumping apparatus. 1,631,619; June 7.

Byers, A. M., Company. (See Hall, J. A., jr., and Tishlarich, assignors.)

Byrnes, Irving F., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,631,670; June 7.

Caillau, Marcel U., Billancourt, France. Electrical connecter. 1,631,914; June 7.

Caldwell, Edwin, New York, N. Y. Smoker's article. 1,631,467; June 7.

Calkins, Addison N., assignor to Electric Wheel Company, Quincy, Ill. Tractor. 1,631,243; June 7.

Calmanson, Saul. (See Meiniker, A., and Calmanson.)

Calvete, Isidoro B., London, England. Clip for hair-waving sachets. 1,631,793; June 7.

Campbell, Charles E., assignor to Campbell Electric Company, Lynn, Mass. Cabinet. 1,631,718; June 7.

Campbell Electric Company. (See Campbell, Charles E., assignor.)

Campbell, Lawrence A., Kansas City, Mo. Display kerchief. 1,631,398; June 7.

Carlucci, Rocco A., West New York, N. J. Stringed instrument. 1,631,794; June 7.

Carnes, Sam, North Powder, Oreg. Vehicle body removing and replacing device. 1,631,915; June 7.

Carpenter, William A. (See Irwin, H. H., and Carpenter.)

Carr, James A. (See Matthews, E. M., and Carr.)

Carrigan, Thomas E., Milwaukee, Wis. Knockdown bed frame for automobiles. 1,631,620; June 7.

Carrigan, Thomas E., Milwaukee, Wis. Knockdown bed frame. 1,631,621; June 7.

Carroll, John R., assignor of one-half to A. C. Baurelle, South Mountain, Pa. Machine for coring and deriding fruit. 1,631,854; June 7.

Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-acetate composition of low inflammability. 1,631,468; June 7.

Carter, Charles E., Pasadena, Calif. Medicine. 1,631,244; June 7.

Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy electric railway. 1,631,245; June 7.

Cary Manufacturing Co. (See Cary, Spencer C., assignor.)

Cary, Spencer C., Brooklyn, assignor to Cary Manufacturing Co., Brooklyn, N. Y. Shipping package. 1,631,516; June 7.

Cavanaugh, William M., New York, N. Y. Belting. 1,631,580; June 7.

Chambers, James, Pavo, Ga. Tongs. 1,631,916; June 7.

Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Terminal connecter for spark plugs. 1,631,191; June 7.

Champion Porcelain Company. (See Jeffery, J. A., and Montgomery, assignors.)

Champion Porcelain Company. (See Riddle, Frank H., assignor.)

Chandler, Franklin F., and R. E. Young, assignors to Ross Gear & Tool Company, La Fayette, Ind. Steering-post control. 1,631,795; June 7.

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Connecting device. 1,631,719; June 7.

Chapman, Frank D., Berlin, Wis., assignor of one-half to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. Re16,647; June 7.

Chase, Eugene P., Altoona, Pa. Heating apparatus for vehicles. 1,631,469; June 7.

Chase, Hamilton C., assignor of one-half to T. Weber, Los Angeles, Calif. Vehicle brake. 1,631,470; June 7.

Cheatham Electric Switching Device Co. (See Robinson, Robert M., assignor.)

Chicago-Cleveland Car Roofing Company. (See Hamilton, Karl M., assignor.)

Christel, William F., Valders, Wis. Grader. 1,631,517; June 7.

Christian, John T., Bremerton, Wash. Automobile signal. 1,631,471; June 7.

Christie, Walter J., Alameda, Calif. Casting machine. 1,631,399; June 7.

Clark, Earle A., Tulsa, Okla. Meter top and index box. 1,631,472; June 7.

Clark, Edward F., North Attleboro, Mass. Bar cuff link. 1,631,246; June 7.

Clark, George H., Brooklyn, N. Y., assignor to Radio Corporation of America. Variable condenser. 1,631,360; June 7.

Clark, Thomas E., assignor to Continuous Train Control Corporation, Detroit, Mich. Conductor for train-control systems. 1,631,361; June 7.

Clark, William C., San Francisco, Calif., assignor, by mesne assignments, to Acme Card System Company, Chicago, Ill. Visible index. 1,631,473; June 7.

Cleaves, William S., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Box-making machine. 1,631,518; June 7.

Cleveland-Akron Bag Company, The. (See Appel, Daniel, assignor.)

Cleveland, George B., Mobile, Ala. Bookcase. 1,631,622; June 7.

Cochran, Albert W., Portland, Oreg. Forming cutting tools. 1,631,623; June 7.

Colby, Edward A., Maplewood, F. Maeulen, East Orange, and G. L. Van Allen, Newark, N. J., assignors to Baker & Company. Muffle furnace. 1,631,747; June 7.

Colliard, Emil C., Arcade, N. Y. Charge-forming device for internal-combustion engines. 1,631,362; June 7.

Collins, George R., administrator. (See Collins, T. B.)

Collins, Harry R., Allentown, Pa., assignor to Fuller-Lehigh Company. Pulverized-fuel feeder. 1,631,119; June 7.

Collins, Martin W. (See Bambach, J. J., and Collins.)

Collins, T. B., also known as T. B. Collins, deceased, Daytona, Fla.; G. R. Collins, administrator, Kansas City, Mo. Boat. 1,631,400; June 7.

Collins, Thomas, jr., assignor to The American Separator Company, Bainbridge, N. Y. Speed indicator. 1,631,796; June 7.

Colonial Fireplace Company. (See Guy, Walter W., assignor.)

Columbia Lighting Fixture Co. Inc. (See Peinlich, Max, assignor.)

Comins, Frank B., Newton, assignor to American Moistening Company, Boston, Mass. Control means for regulating the output of atomizers and the like. 1,631,475; June 7.

Compagnie D'Applications Mecaniques. (See Rouanet, Louis, assignor.)

Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)

Conradson, Conrad M., Green Bay, Wis. Gyratory grinding machine. 1,631,247; June 7.

Conradt, Hermann. (See Sprenger, R., and Conradt.)

Constantine, Alphonse A., Jeffersonville, Ind., assignor to American Car and Foundry Company, New York, N. Y. Operating mechanism for car-vestibule trap doors. 1,631,306; June 7.

Conti, James T. F., and P. H. L. Tiranty, Paris, France. Stamping and registering apparatus. 1,631,624; June 7.

Continuous Train Control Corporation. (See Clark, Thomas E., assignor.)

Cook, A. D., Inc. (See Willers, George E., assignor.)

Cook, Albert E., Evanston, assignor to C. B. Cook, Chicago, Ill. Auto marine vehicle and trailer. 1,631,248; June 7.

Cook, Charles B. (See Cook, Albert E., assignor.)

Cook, Charles C., and G. S. Walker, Saginaw, Mich. Therapeutic oscillator. 1,631,917; June 7.

Cooke, Charles J., Washington, D. C., and J. A. Rennie, New York, assignors to Charles E. Sheppard, Long Island City, N. Y. Repeating attachment for sound-reproducing machines. 1,631,797; June 7.

Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Regulating method and apparatus. 1,631,625; June 7.

Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Regulator for electrical discharges. 1,631,626; June 7.

Cooper, Warren E., Flushing, N. Y., and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Multiple-unit tank car. 1,631,307; June 7.

Copeland, Lucius D., Los Angeles, Calif. Dirigible lamp for automobiles. 1,631,519; June 7.

Coppock, Andrew J., Detroit, Mich. Humidifying device for use with internal-combustion engines. 1,631,808; June 7.

Corfman, Clifford L., Spokane, Wash. Investment composition. 1,631,249; June 7.

Correa, Manuel P., jr., Kalawao, Hawaii. Figure toy. 1,631,918; June 7.
Correct Measure Company. (See MacKenzie, George W., assignor.)
Costelow, John F. (See Sunderland, J. C., and Costelow.)
Creevy, John L., New Orleans, La. Packing. 1,631,520; June 7.
Cristallini, Charles O., assignor to Peck Shoe Company, Worcester, Mass. Shoe and method of manufacture. 1,631,919; June 7.
Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)
Crompton and Knowles Loom Works, The. (See Hollingworth, Edward, assignor.)
Cross, Roy, Kansas City, Mo., assignor to Gasoline Products Company, Inc., New York, N. Y. Making motor fuel. 1,631,401; June 7.
Crossland, George, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Jack-spool-stripping machine. 1,631,920; June 7.
Crossland, George, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Spool support. 1,631,921; June 7.
Crowell, Charles H., White Plains, N. Y. Corrugated-board container and blanks therefor. 1,631,521; June 7.
Culver-Bevan Fruit Jar Company. (See Culver, Lewis O., assignor.)
Culver, Lewis O., West Pittston, assignor to Culver-Bevan Fruit Jar Company, Wilkes-Barre, Pa. Cap-fastening means for preserving jars. 1,631,522; June 7.
Curran, Harry L., New York, N. Y. Automobile radiator shield. 1,631,948; June 7.
Curtis, Timothy H., Westminster, England. Ladder. 1,631,922; June 7.
Curtiss Aeroplane and Motor Company. (See Gilmore, William L., assignor.)
Dacey, Edward J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jacquard mechanism for looms. 1,631,523; June 7.
Dalton, Michael P. (See Owen, T. M., and Dalton.)
Daly, Thomas J. M., Memphis, Tenn. Bale-band buckle. 1631,402; June 7.
Daniel, Frederick W., sr., Jacksonville, Fla. Boltless sleeve coupling. 1,631,250; June 7.
Davis, Henry O., Plymouth, Mass. Nailing plate for lasts. 1,631,581; June 7.
Davis, Matthew J., Portland, Oreg. Log raft. 1,631,403; June 7.
Davis, Roy P. M., Mount Union, Pa. Brick-making machine. 1,631,251; June 7.
Davis, Royall O. E., Chapel Hill, N. C., and L. B. Olmstead, Peru, Nebr. Recovering ammonia from gases containing same. 1,631,720; June 7.
Davis, Taube, assignor to Franklin Simon & Co. Inc., New York, N. Y. Shoe. Des. 72,789; June 7.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 72,790; June 7.
Davis, Taube, assignor to Franklin Simon & Co. Inc., New York, N. Y. Shoe. Des. 72,791; June 7.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 72,792; June 7.
Davol, George H., New York, N. Y. Sanding roller. 1,631,798; June 7.
Day, Fred, Alcester, S. Dak. Carburetor. 1,631,923; June 7.
Day, Wallace H. (See Morgan, E. E., and Day.)
Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
De Boischevalier, Henri, Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France. Hot-air stove. 1,631,721; June 7.
De Brey, Heinrich W. K., The Hague, Netherlands, Sound damper. 1,631,924; June 7.
Decker, Earl B., Cleveland, assignor to B. R. Deming, Cleveland Heights, Ohio. Ironing machine. 1,631,363; June 7.
Decker, Earl B., Cleveland, assignor to B. R. Deming, Cleveland Heights, Ohio. Ironing machine. 1,631,364; June 7.
Delco Light Company. (See Buvinger, G. A., and Warner, assignors.)
Delco Light Company. (See Stock, Anthony T., assignor.)
Demarest, Harry T., Warwick, N. Y. Fruit scrubber and polisher. 1,631,925; June 7.
De Mattia, Barthold, Clifton, assignor to De Mattia Brothers, Inc., Garfield, N. J. Tire-building core. 1,631,855; June 7.
De Mattia Brothers, Inc. (See De Mattia, Barthold, assignor.)
Deming, Barton R. (See Decker, Earl B., assignor.)
Demmel, Paul, Frankfort-on-the-Main-Rodelheim, Germany. Device for milling polygonal holes. 1,631,582; June 7.
De Moos, Charles, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film-developing machine. 1,631,476; June 7.
Denison, Frederick S., assignor to Minneapolis Heat Regulator Company, Minneapolis, Minn. Centrifugal fluid-fuel burner. 1,631,404; June 7.
Depew, John, assignor to I. Lauter, New York, N. Y. Capacitatively-actuated loud speaker. 1,631,583; June 7.
Diamond Expansion Bolt Company. (See Penney, Harold D., assignor.)
Diamond State Fibre Company. (See McIntosh, James, assignor.)
Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Product obtained from molasses and preparing same. 1,631,252; June 7.
Dickinson, Albert G. (See Simpson, Ward T., assignor.)
Dickinson, Robert E., jr., Memphis, Tenn. Golf-club shaft. 1,631,926; June 7.
Dietrich, Frank and J., and W. Miner, Chicago, Ill. Direct mixer. 1,631,584; June 7.
Dietrich, John. (See Dietrich, Frank and J., and Miner.)
Dietrich, William S., assignor to Greenville Steel Car Company, Greenville, Pa. Sawing apparatus and method. 1,631,927; June 7.
Dietrichson, William F., Webster Groves, Mo., assignor to American Car and Foundry Company, New York, N. Y. Hatch-cover operating means for refrigerator cars. 1,631,309; June 7.
D'Ollier, William L., and T. Tohlin, Philadelphia, Pa., said Tohlin assignor to said D'Ollier. Screen plate. 1,631,585; June 7.
Donaldson, Alfred S., Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Toilet box. Des. 72,793; June 7.
Doran, Maude M., Spokane, Wash. Counter and heel guard. 1,631,310; June 7.
Dorsey, Edgar O., Montpelier, Ind. Sanitary poultry roost. 1,631,799; June 7.
Dotsch, Fritz, White Plains, N. Y. Hydraulic brake. 1,631,800; June 7.
Doty, John H., Akron, Ohio. Fabric disk wheel. 1,631,928; June 7.
Downing, James Y., Jackson, Miss. Dry-goods-measuring machine. 1,631,405; June 7.
Dray, Robert G., Savannah, Mo. Shirt. 1,631,856; June 7.
Dreher, Gustave F., Schenectady, N. Y., assignor to General Electric Company. Waterproof cementing composition. 1,631,671; June 7.
Dufay, Louis, Versailles, France. Photographic printing in colors. 1,631,524; June 7.
Dunlap, Bernald M., Rockford, Ill., assignor to H. L. Fischer, St. Paul, Minn. Writing pad. 1,631,192; June 7.
Du Pont Viscoloid Company. (See Donaldson, Alfred S., assignor.)
Dupré, Wilfred, Worcester, Mass. Reversible broom. 1,631,253; June 7.
Duro Company, The. (See Eisenhauer, Charles P., assignor.)
Dushman, Saul, Schenectady, N. Y., assignor to General Electric Company. Vacuum discharge apparatus. 1,631,672; June 7.
Dutcher, Frank, Versailles, Pa., assignor to Standard Fuses Corporation, Boston, Mass. Railway signal torpedo. 1,631,857; June 7.
Dyer, Leonard H., New York, N. Y. Internal-combustion engine. 1,631,120; June 7.
Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
Eastman Kodak Company. (See de Moos, Charles, assignor.)
Eastman Kodak Company. (See Favour, Paul, assignor.)
Eastman Kodak Company. (See Folmer, William F., assignor.)
Eastman Kodak Company. (See Jones, Loyd A., assignor.)
Eastman Kodak Company. (See Marler, Harry I., assignor.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,631,673; June 7.
Eberhard Faber Pencil Co. (See Kappes, Carl H., assignor.)
Eckl, Edward, Los Angeles, Calif. Insect destroyer. 1,631,121; June 7.
Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
Egholm, James P., Chicago, Ill. Dumping truck. 1,631,627; June 7.
Eldmann, Frank L., North Bergen, assignor to H. S. Germond, jr., Bayonne, N. J. Collapsible handle for portable elevators. 1,631,477; June 7.
Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Valve. 1,631,406; June 7.
Elder, Thomas W., jr., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Cane car. 1,631,311; June 7.
Elder, Thomas W., jr., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Car-door lock. 1,631,312; June 7.
Electric Household Utilities Corporation. (See Chapman, Frank D., assignor.)
Electric Wheel Company. (See Calkins, Addison N., assignor.)
Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)
Electrolock Manufacturing Company, The. (See Hemingway, Wilson, jr., assignor.)
Electron Relay Company, The. (See Laise, Clemens A., assignor.)
Ellis, Carleton. (See Meigs, Joseph V., assignor.)
Ellis Drier & Elevator Company. (See Ellis, Norman C. and H. C., assignors.)

Ellis, Hubert C. (See Ellis, Norman C. and H. C.)
Ellis, Norman C. and H. C., Evanston, Ill., assignors to Ellis Drier & Elevator Company, Chicago, Ill. Tilting trap. 1,631,407; June 7.
Emery, Herbert W., Holliston, assignor to Archer Rubber Company, Milford, Mass. Surface-finishing rubber goods and product of same. 1,631,722; June 7.
Engiand, Harry J., Iowa Falls, Iowa. Lever control for clutch pedals. 1,631,929; June 7.
Epitaux, Albert, Paris, France. Electromagnetic device producing a constant moving force. 1,631,801; June 7.
Estaugh, William, Wanstead, England. Means of and apparatus for transmitting messages through submarine and other like cables. 1,631,254; June 7.
Etzel Company, The. (See Sheedy, J. M., and Myers, assignors.)
Eustis, Warner, Newton, Mass. Mirror mounting. 1,631,193; June 7.
Evert, Frank, Chicago, Ill. Flowerpot. 1,631,802; June 7.
Exton, Alfred H. (See Alexander, R. I., and Exton.)
Fahrenfeld, Fred W., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Hinge. 1,631,365; June 7.
Fahrney, Emery H., Chicago, Ill. Cream separator. 1,631,194; June 7.
Farber, Simon W., Inc. (See Farber, Simon W., assignor.)
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Holder for glasses and bottle. Des. 72,794; June 7.
Faust, Levin, assignor to Rockford Steel Furniture Company, Rockford, Ill. Ironing board. 1,631,255; June 7.
Favour, Paul, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture film strip. 1,631,478; June 7.
Favre, Pierre A., Crosne, France. Machine for working cylindrical members of fusible material. 1,631,674; June 7.
Fay, Thomas J., Brooklyn, N. Y. Vehicle. 1,631,803; June 7.
Feather, George, Halifax, England. Radial drilling machine. 1,631,256; June 7.
Federal Glass Company, The. (See Hanford, Orin A., assignor.)
Feister, George F., Maricopa, Calif. Meat saw. 1,631,366; June 7.
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,631,804; June 7.
Ferngren, Enoch T., assignor to The Libbey-Owens Glass Company, Toledo, Ohio. Drawing sheet glass. 1,631,805; June 7.
Ferriter, John P., Oceanport, and W. T. Guest, Eatontown, N. J. Alternating-current telegraph repeater. 1,631,675; June 7.
Ferriter, John P., Oceanport, and W. T. Guest, Eatontown, N. J. Alternating-current telegraph system. 1,631,676; June 7.
Fetcher, Theophil J., Norwalk, Wis. Tractor brake. 1,631,122; June 7.
Fetty, Charlie C., El Dorado, Kans. Counterbalancing means for well-pumping apparatus. 1,631,408; June 7.
Field, Henry P., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,631,313; June 7.
Field, Henry P., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,631,314; June 7.
Finn, John C., Los Angeles, Calif. Wooden pot for plants. 1,631,409; June 7.
Firestone Tire and Rubber Company. (See Shepard, N. A., and Krall, assignors.)
Fischer, Howard L. (See Dunlap, Bernald M., assignor.)
Fisher, Charles, Chicago, Ill., assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings bank. 1,631,315; June 7.
Fisher, Harry C., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Coloring granulated mineral, particularly slate. 1,631,628; June 7.
Fisher, Julia, Bolckow, Mo. Generating power plant. 1,631,257; June 7.
Fitzgerald, Richard. (See McLaughlin, James, assignor.)
Flintkote Company, The. (See Kirschbraun, L., and Rahr, assignors.)
Flowers Mausoleum Company, The. (See Zengerle, Joseph W., assignor.)
Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,631,629; June 7.
Folberth, William M. (See Folberth, Frederick G. and W. M.)
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Cut-film holder. 1,631,479; June 7.
Forbes, John S., assignor, by mesne assignments, to Kerotest Manufacturing Company, Pittsburgh, Pa. Valve. 1,631,586; June 7.
Ford, Fred A., New York, assignor to J. W. Gillis Co., Rochester, N. Y. Telephone stand. 1,631,195; June 7.
Ford, Henry, Dearborn, Mich. Pump. 1,631,316; June 7.
Fornaca, Guido, Turin, Italy. Valve mechanism for internal-combustion engines. 1,631,410; June 7.
Fourness, Wilfred. (See Marcus, H. C., and Fourness.)
Fowler, Samuel. (See Goldfain, E., and Fowler.)
Fox, William H., Minneapolis, Minn. Baseball center and producing the same. 1,631,317; June 7.
Franklin, Simon, & Co. Inc. (See Davis, Taube, assignor.)
Freeman, Arthur J., Alameda, Calif. Sheet conveyer. 1,631,367; June 7.
Freund, Erwin O., assignor to Visking Corporation, Chicago, Ill. Preparing wiener sausages. 1,631,723; June 7.
Freund, Robert R., Denver, Colo. Dirigible light mounting. 1,631,480; June 7.
Fried. Krupp Aktiengesellschaft. (See Lorenz, Rudolf, assignor.)
Fritz, Roy D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing apparatus. 1,631,806; June 7.
Froesch, Charles, assignor to International Motor Company, New York, N. Y. Flexible coupling. 1,631,196; June 7.
Frost, Walter E., assignor of one-eighth to M. E. Hunt and three-eighths to W. E. Thurlow, Auburn, Me. Police signal system. 1,631,368; June 7.
Frostilla Company, The. (See Richmond, Francis A., assignor.)
Fulcher Pulp Bottle Company. (See Lundgren, Harry, assignor.)
Fuller-Lehigh Company. (See Collins, Harry R., assignor.)
Fur Guide Machine Corporation. (See Ross, Harry, assignor.)
Fuss, Vincenz, assignor to Vereinigte Aluminium-Werke A. G., Lautawerk, Germany. Improving aluminum alloys. 1,631,930; June 7.
Galion Iron Works & Mfg. Co., The. (See Keeler, Raymond W., assignor.)
Gallett, Delbert L., Aberdeen, S. Dak. Cap for paste tubes. 1,631,525; June 7.
Garrett, Berton A., Ballston Spa, N. Y., assignor to General Electric Company. Locomotive or car body. 1,631,677; June 7.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Braking mechanism. 1,631,369; June 7.
Gasoline Products Company. (See Cross, Roy, assignor.)
Gates, Ernest W., Needham, Mass. Puzzle or game. 1,631,587; June 7.
Gay, Henry G., Mankins, Tex. Double adjustable drive-chain idler. 1,631,258; June 7.
Geake, William H. G., Killara, near Sydney, New South Wales, Australia, assignor to W. Rutherford, London, England, and J. Bain, Ottawa, Canada. Dispensing container for plastic substances. 1,631,931; June 7.
Gelfand, Simon, Baltimore, Md. Preparing a food product and the product resulting therefrom. 1,631,858; June 7.
General American Tank Car Corporation. (See Klemoff, Paul, assignor.)
General Electric Company. (See Baker, Walter R. G., assignor.)
General Electric Company. (See Barton, Theophilus F., assignor.)
General Electric Company. (See Beckmann, Johannes, assignor.)
General Electric Company. (See Briggs, William N., assignor.)
General Electric Company. (See Brown, George R., assignor.)
General Electric Company. (See Byrnes, Irving F., assignor.)
General Electric Company. (See Coolidge, William D., assignor.)
General Electric Company. (See Dreher, Gustave F., assignor.)
General Electric Company. (See Dushman, Saul, assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Garrett, Berton A., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Hastings, H. C., and Sarjeant, assignors.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Langley, Ralph H., assignor.)
General Electric Company. (See Loebe, W. W., and Grossmann, assignors.)
General Electric Company. (See Martin, Carl, assignor.)
General Electric Company. (See Maurer, Louis A., assignor.)
General Electric Company. (See Merrill, Wilbur L., assignor.)
General Electric Company. (See Rice, Chester W., assignor.)
General Electric Company. (See Skoglund, Charles, assignor.)
General Electric Company. (See Sprenger, R., and Conradt, assignors.)
General Electric Company. (See Treanor, Edward D., assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company. (See Williamson, James L., assignor.)

General Motors Corporation. (See Anibal, Benjamin H., assignor.)
General Motors Corporation. (See Hunt, Ormond E., assignor.)
General Motors Corporation. (See Jerome, Benjamin, assignor.)
General Motors Research Corporation. (See Short, Charles R., assignor.)
General Phonograph Manufacturing Co. (See Bonsieur, Le, assignor.)
General Phonograph Manufacturing Company, The. (See Mizer, Fred N., assignor.)
Gensley, Frank J., Victor, Iowa. Washing machine. 1,631,630; June 7.
Gerlinger, Gertrude, Montebello, Calif. Table decoration. 1,631,631; June 7.
Germond, Henry S., jr. (See Eidmann, Frank L., assignor.)
Gershon, Victor P. (See Grosvenor, W. M., and Gershon.)
Gertloff, Richard. (See Günther, A., and Gertloff.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
Gfeller, Frederick, Alhambra, Calif. Water-shut-off valve. 1,631,481; June 7.
Gfeller, Frederick, Alhambra, assignor to Joshua Hendy Iron Works, Sunnyvale, Calif. Water-discharge valve. 1,631,482; June 7.
Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Antifriction bearing application. 1,631,318; June 7.
Giddings & Lewis Machine Tool Company. (See Kempton, Herbert E., assignor.)
Gillette, Maude M., New York, N. Y. Frame. 1,631,807; June 7.
Gillette, Walter H., Long Beach, Calif. Sash fastener. 1,631,370; June 7.
Gillis, J. W., Co. (See Ford, Fred A., assignor.)
Gilmore, William L., Port Washington, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Variable lift—variable resistance aerofoil. 1,631,259; June 7.
Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Metal roof for freight cars. 1,631,260; June 7.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,631,808; June 7.
Glowacki, Charles, Philadelphia, Pa. Garter. 1,631,261; June 7.
Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Combination rear light for vehicles. 1,631,678; June 7.
Godley, Charles E., Ypsilanti, assignor to Edmunds & Jones Corporation, Detroit, Mich. Focusing lamp. 1,631,724; June 7.
Going, George G., Middletown, Conn., assignor to Remington-Noiseless Typewriter Corporation, New York, N. Y. Typewriting machine. 1,631,197; June 7.
Goldfain, Ephraim, and S. Fowler, Oklahoma City, Okla. Electric fan. 1,631,411; June 7.
Goodrich, B. F., Company, The. (See Fritz, Roy D., assignor.)
Goodrich, B. F., Company, The. (See Martin, Frederick H., assignor.)
Goodrich, B. F., Company, The. (See Tew, James D., assignor.)
Goolridge, George E., Reading, assignor to Ballard Service Corporation, Boston, Mass. Liquid-fuel-burning apparatus. 1,631,859; June 7.
Goodyear Tire & Rubber Company, The. (See Bruson, Herman A., assignor.)
Goodyear Tire & Rubber Company, The. (See Kelly, William J., assignor.)
Goodyear Tire & Rubber Company, The. (See Straits, Joseph A., assignor.)
Goodyear Tire & Rubber Company, The. (See Urquhart, W. R., Post, Humphrey, and Van Arsdale, assignors.)
Gough, Joseph, Newark, N. J., assignor to Gough Stemming Machine Corporation. Leaf separator. 1,631,198; June 7.
Gough Stemming Machine Corporation. (See Gough, Joseph, assignor.)
Gourdou, Charles E. P., St. Mande, France. Variable-pressure-operated expansion device. 1,631,262; June 7.
Grasselli Dyestuff Corporation. (See Herz, Richard, assignor.)
Grating Company of America, The. (See Nagin, Harry, assignor.)
Green, William A. (See Luxton, W. J., and Green.)
Greenhouse, Samuel, Akron, Ohio. Pressure-operable valve. 1,631,263; June 7.
Greenlee, Fred, Gallia, Ohio. Dirigible headlight construction for automobiles. 1,631,412; June 7.
Greenville Steel Car Company. (See Dietrich, William S., assignor.)
Greenwald, Leslie J., Chicago, Ill. Vanity case. 1,631,588; June 7.
Gregorius, Joseph S. (See Koupal, W. G., and Gregorius.)
Gregorius, Joseph S., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,631,319; June 7.
Greubel, Michael J., North Plainfield, N. J. Case. 1,631,371; June 7.
Griffin, Charles, Ypsilanti, Mich. Combined coffee and tea pot. 1,631,932; June 7.
Griffin, John F. (See St. John, H. A., and Griffin.)
Griscom-Russell Company, The. (See Sebald, Leslie E., assignor.)
Groff, James O. (See Seymour, W., jr., Groff, and Schaaf.)
Grossman, Samuel, assignor to K. Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 72,795; June 7.
Grossman, Samuel, assignor to K. Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 72,796; June 7.
Grossmann, Max. (See Loebe, W., and Grossmann.)
Grosvenor, William M., and V. P. Gershon, New York, N. Y.; said Gershon assignor to said Grosvenor. Anthraquinone paste and making the same. 1,631,589; June 7.
Gruenewald, Eugene J., and D. E. Ross, assignors to Ross Gear & Tool Company, La Fayette, Ind. Steering-post control-lever assembly. 1,631,809; June 7.
Gruver, Perry F., Amarillo, Tex. Bearing for grain separators. 1,631,810; June 7.
Guenther, Emil, Philadelphia, Pa. Convertible chair. 1,631,811; June 7.
Guest, Wesley T. (See Ferriter, J. P., and Guest.)
Günther, Albert, and R. Gertloff, Schmiedefeld in Thuringen, Germany. Heat-insulating bottle. 1,631,413; June 7.
Guy, Walter W., Oak Park, assignor to Colonial Fireplace Company, Chicago, Ill. Fireplace. 1,631,123; June 7.
Guyot Brothers. (See Boots, William C., assignor.)
Haldeman, Harry M., Los Angeles, Calif. Orifice-meter connection. 1,631,264; June 7.
Hall, C. M., Lamp Company. (See Godley, Charles E., assignor.)
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Thermal relay. 1,631,679; June 7.
Hall, Joseph A., jr., and O. M. Tishlarich, assignors to A. M. Byers Company, Pittsburgh, Pa. Method and apparatus for marking articles. 1,631,680; June 7.
Hall, Samuel W. (See Struble, C. H., and Hall.)
Hall, Westley F., Matawan, assignor to The Hanson & Van Winkle Company, Newark, N. J. Conveyer. 1,631,124; June 7.
Hall, Wesley F., Matawan, assignor to The Hanson & Van Winkle Company, Newark, N. J. Electroplating machine. 1,631,199; June 7.
Halvorsen, Axel I. S., assignor to McCormick Brothers Company, Albany, Ind. Rack for tea, coffee, and spice containers. 1,631,725; June 7.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lighting unit. 1,631,632; June 7.
Hamilton, Karl M., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof construction. 1,631,860; June 7.
Hanford, Orin A., assignor to The Federal Glass Company, Columbus, Ohio. Glass-forming apparatus. 1,631,633; June 7.
Hanschke, Adelheid, née Sachs, Berlin, Germany. Flying machine. 1,631,861; June 7.
Hansell, Walter, Brooklyn, N. Y. Musical instrument. 1,631,862; June 7.
Hanson & Van Winkle Company, The. (See Hall, Wesley F., assignor.)
Hanson, & Van Winkle Company, The. (See King, Willis R., assignor.)
Happel, Albert W., Toledo, Ohio, assignor, by mesne assignments, to The Uline Ice-Scoring Machine Company, Wilmington, Del. Reciprocating feeder. 1,631,125; June 7.
Harrington, Alfred L., Rossiyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass surfacing car. 1,631,126; June 7.
Harris Calorific Company, The. (See Harris, John, assignor.)
Harris, John, assignor to The Harris Calorific Company, Cleveland, Ohio. Valve for tanks. 1,631,372; June 7.
Harris, John J., Chicago, Ill. Adhesive. 1,631,265; June 7.
Harris, Robert I., Punta Gorda, Fla. Check protector. 1,631,863; June 7.
Hartman, William W., Los Angeles, Calif. Molding cutter. 1,631,526; June 7.
Hartmann Trunk Company. (See Rasmussen, Martin, assignor.)
Hasseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Door-operating mechanism. 1,631,127; June 7.
Hasha, William C., Long Beach, Calif. Washing machine. 1,631,266; June 7.
Hastings, Hammond C., and C. J. Sarjeant Rugby, England, assignors to General Electric Company. Protective device for dynamo-electric machines. 1,631,726; June 7.
Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose-supporter structure. 1,631,813; June 7.
Hawkins, Robert D., Wilmington, N. C. End structure for railway cars. 1,631,812; June 7.
Head, Francis, New York, N. Y. Drying apparatus. 1,631,483; June 7.
Hehemann, Frederick H., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Valve. 1,631,414; June 7.
Heine Boiler Company. (See Pahmeyer, Frederick O., assignor.)

Heine Boiler Company. (See Siegerist, Walter, assignor.)
Heins, John L. C., Chicago, Ill. Hinge with automatic lifting and locking means. 1,631,527; June 7.
Hemingway, Wilson, jr., Melrose, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Automobile locking means. 1,631,267; June 7.
Henderson, William, New York, N. Y. Came machine. 1,631,814; June 7.
Henderson, Wylie E., Lanett, Ala. Top clearer for roving frames. 1,631,727; June 7.
Hendrickson, Norton T., and C. Roholt, Hoople, N. Dak. Fly swatter. 1,631,864; June 7.
Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,631,200; June 7.
Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,631,528; June 7.
Hendy, Joshua, Iron Works. (See Gfeller, Frederick, assignor.)
Herald Electric Company, The. (See Kurman, Nathan A., assignor.)
Herz, Richard, Frankfort-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Violet vat dyestuff of the 2-thionaphthene-2-indolindigo series. 1,631,865; June 7.
Heurung, Anton, Munich, Germany. Apparatus for producing and projecting cinematographic pictures. 1,631,866; June 7.
Hewitt, Edward R., Midvale, N. J., and A. H. Leipert, College Point, N. Y., assignors to International Motor Company, New York, N. Y. Casing for transmissions and the like. 1,631,201; June 7.
Hewlett, James M., Lawrence, N. Y. Partition wall. 1,631,373; June 7.
Heyda, James C., Pittsfield, Wis. Transmission mechanism. 1,631,590; June 7.
Hickok, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)
Hildebrand, Wilhelm, Lichterfelde, Berlin, Germany. Brake accelerator for single-chamber compressed-air brakes. 1,631,815; June 7.
Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)
Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Combined liquid and air pump. 1,631,591; June 7.
Hill, Ebenezer, North Stamford, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary pumping machine. 1,631,592; June 7.
Hill, Roger M., Washington, D. C. Illuminating device for projection purposes. 1,631,529; June 7.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,631,681; June 7.
Hilson, Harry J., et al. (See Sprague, Earl V., assignor.)
Hind, George. (See Blair, R. F., and Hind.)
Hinson, Winslow E., Fort Smith, Ark. Cabinet. 1,631,202; June 7.
Hinze, Charles G., Evanston, Ill. Hand guard. 1,631,128; June 7.
Hiscox, Charles I. (See Hiscox, Elmer E., and C. I.)
Hiscox, Elmer E., Chicago, Ill., and C. I. Hiscox, La Crosse, Wis. Automobile oil-drain device. 1,631,129; June 7.
Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass transfer and laying apparatus. 1,631,203; June 7.
Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for melting glass. 1,631,204; June 7.
Hoefler, Carl P., Syracuse, N. Y. Shield for automobile headlights. 1,631,130; June 7.
Hoeldtke, Albert, Detroit, Mich. Vehicle body. 1,631,131; June 7.
Hoffman, Albert F., Newark, N. J. Bottling machine. 1,631,530; June 7.
Hofstetter, George O., Fidelity, Ill. Measuring device. 1,631,682; June 7.
Hollingworth, Edward, Dobcross, England, assignor to The Crompton and Knowles Loom Works, Worcester, Mass. Loom for weaving chenille Axminster and like carpets, blankets, and other fabrics. 1,631,531; June 7.
Holmes, Edward C., Cincinnati, Ohio. Holder for drilling mechanism. 1,631,683; June 7.
Hopkins, Arthur C., Niles, Mich. Braiding carrier. 1,631,634; June 7.
Hopkins, James L., trustee. (See Peebles, Frank W. L., assignor.)
Horner, Marie L. and M. M., New Orleans, La. Favor. 1,631,205; June 7.
Horner, Marie M. (See Horner, Marie L. and M. M.)
Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Lock washer. 1,631,415; June 7.
Hoskins, William, Chicago, Ill. Treating wood. 1,631,728; June 7.
Houseman, Harold E., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del. Circular-knitting machine. 1,631,816; June 7.
Houseman, Harold E., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del. Circular-knitting machine. 1,631,817; June 7.
Howard, Ernest E., Kansas City, Mo. Traffic gate. 1,631,416; June 7.
Howerton, Andrew G., Memphis, Tenn. Apparatus for treating piles. 1,631,532; June 7.
Hoyle, John L., New Orleans, La. Electric-meter cover. 1,631,684; June 7.
Hudson Heating Systems, Inc. (See Hudson, Walter E., assignor.)
Hudson, Walter E., Amagansett, assignor to Hudson Heating Systems, Inc., New York, N. Y. Electric heater. 1,631,484; June 7.
Hudson, Walter E., Amagansett, assignor to Hudson Heating Systems, Inc., New York, N. Y. Electric heating system. 1,631,485; June 7.
Hufferd, George. (See Alden, H. W., and Hufferd.)
Humboldt, Elie S., Oakland, assignor to The Pacific Lumber Company, San Francisco, Calif. Wooden battery separator. 1,631,867; June 7.
Humphrey, Dwight E. (See Urquhart, W. R., Post, Humphrey, and Van Arsdale.)
Hunt, Mountfort E., et al. (See Frost, Walter E., assignor.)
Hunt, Ormond E., assignor to General Motors Corporation, Detroit, Mich. Vehicle. 1,631,206; June 7.
Hutt, Albert E., Ardmore, Pa. Semi-inclosed, collapsible, upper deck roof. 1,631,818; June 7.
Hyde, Leon W., Hillsboro, Oreg. Coffeepot. 1,631,486; June 7.
I. G. Farbenindustrie Aktiengesellschaft. (See Jannek, Josef, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Loböfer, Wilhelm, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Weise, Paul, assignor.)
Industrial Waste Products Corporation. (See Dickerson, Walter H., assignor.)
Inglis, Bruce K., assignor of one-half to C. W. Inglis, Milwaukee, Wis. Oil burner. 1,631,374; June 7.
Inglis, Clement W. (See Inglis, Bruce K., assignor.)
Inland Empire Paper Company. (See Rosebush, Waldo E., assignor.)
Inland Engineering Company. (See Alexander, Ralph I., assignor.)
Inland Engineering Company. (See Alexander, R. I., and Exton, assignors.)
International Motor Company. (See Froesch, Charles, assignor.)
International Motor Company. (See Hewitt, E. R., and Leipert, assignors.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Matthews, Philip E., assignor.)
International Motor Company. (See Wirrer, Gottfried, assignor.)
International Silver Co. (See Beck, Ernest T., assignor.)
International Silver Company. (See Zeitung, Alpeck L., assignor.)
Irvin, Walter. (See Murray, John F., assignor.)
Irwin, Henry H., and W. A. Carpenter, Greenville, S. C. Fender attachment for automobiles. 1,631,417; June 7.
Ivory, James W., Philadelphia, Pa. Nut lock or fastener washer. 1,631,819; June 7.
Jackson, Charles K., Columbus, Ohio. Fencepost. 1,631,820; June 7.
Jackson, Charles K., Columbus, Ohio. Wire connection. 1,631,821; June 7.
Jackson, Philip T., Toronto, Ontario, Canada. Cooking apparatus. 1,631,418; June 7.
Jacobs, Ernest E., assignor to Lyons' California Glacé Fruit Company, San Francisco, Calif. Making glacé fruit. 1,631,487; June 7.
Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Electrical switch. 1,631,268; June 7.
Jacobson, Sidney D., New York, N. Y. Antiskidding device. 1,631,207; June 7.
Jahn, Frederick L., assignor to Watson & McDaniel Co., Philadelphia, Pa. Screen. 1,631,822; June 7.
Jannek, Josef, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying gases. 1,631,823; June 7.
Jaray, Paul, Friedrichshafen, Germany. Motor car. 1,631,269; June 7.
Jeffery, Joseph A., and E. T. Montgomery, assignors, by mesne assignments, to Champion Porcelain Company, Detroit, Mich. Ceramic insulating material. 1,631,729; June 7.
Jeffery, Joseph A., and E. T. Montgomery, assignors, by mesne assignments, to Champion Porcelain Company, Detroit, Mich. Ceramic material. 1,631,730; June 7.
Jensen, Louis. (See Barker, W. R., and Jensen.)
Jerome, Benjamin, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,631,208; June 7.
Jewell, Charles E., Seneca Falls, N. Y. Adjustable hanger or support. 1,631,209; June 7.
Johannesmeyer, Charles G., Glendale, assignor to The Liberty Machine Tool Company, Hamilton, Ohio. Metal-planing machine. 1,631,132; June 7.
Johanson, Adolph T., assignor of one-half to H. V. Tutton, Benton Harbor, Mich. Water heater. 1,631,533; June 7.

Johnson, Agnar, Rockford, Ill. Headwear. 1,631,210; June 7.
Johnson, Axel, Oakland, Calif. Saw set. 1,631,534; June 7.
Johnson, Earl R., Chicago, Ill. Ruler. 1,631,731; June 7.
Johnson, Harley S., Erwin, Tenn. Safety device for locomotives. 1,631,868; June 7.
Johnson, Warren V., Bloomsburg, Pa., and J. L. McDowell, Jersey City, N. J., assignors to American Car and Foundry Company, New York, N. Y. Mine car. 1,631,320; June 7.
Johnston, Frank H., assignor, by mesne assignments, to Acme Card System Company, Chicago, Ill. Visible card system. 1,631,732; June 7.
Jones, Eleanor H., Boston, Mass. Golf tee. 1,631,270; June 7.
Jones, Erwin J., St. Paul, Minn. Mouth cleaning and massaging device. 1,631,133; June 7.
Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Illuminating apparatus. 1,631,488; June 7.
Jones, Percival W., Warwick, assignor to Louis Stern Company, Providence, R. I. Safety catch. 1,631,824; June 7.
Jones, Thomas M., Garden City, Kans. Concrete form. 1,631,825; June 7.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack-supplying mechanism. 1,631,134; June 7.
Josepho, Anatol M., assignor to Photomaton Inc., New York, N. Y. Photographic apparatus. 1,631,593; June 7.
Judd, Irving H., Detroit, assignor to Whitehead and Kales, Inc., River Rouge, Mich. Landing and raising gear for semitrailers. 1,631,135; June 7.
Jurey, Wesley F., Norcatur, Kans. Meat tenderer. 1,631,869; June 7.
Kaegi, Emil, Detroit, Mich., assignor to D. J. Burns, Bronxville, N. Y. Oil filter. 1,631,594; June 7.
Kalman Steel Company. (See White, William E., assignor.)
Kantenwein, Oscar E. (See Burner, W. L., and Kantenwein.)
Kappes, Carl H., New York, assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y. Paper box. 1,631,595; June 7.
Karnes, James C., Buffalo, N. Y. Mechanism for setting fuses within guns. 1,631,211; June 7.
Kasdan, Nathan, Bronx, N. Y. Vanity case. 1,631,136; June 7.
Kassler, Adolph, assignor to American Car and Foundry Company, New York, N. Y. Lock for car-door-operating mechanism. 1,631,321; June 7.
Kast, Morgan D., Pendleton, Oreg. Weeder. 1,631,733; June 7.
Katz, Samuel, Greenville, S. C. Changeable sign or advertising device. 1,631,870; June 7.
Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Covered baking pan. 1,631,734; June 7.
Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
Kauch, Robert, Dayton, Ohio. Pendulum-controlled sight. 1,631,635; June 7.
Kautzsch, Alma, Philadelphia, Pa. Corset clasp. 1,631,535; June 7.
Keeler, Raymond W., assignor to The Gallon Iron Works & Mfg. Co., Gallon, Ohio. Roller tractor. 1,631,271; June 7.
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kelly, William J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacturing mercapto-benzo-thiazole. 1,631,871; June 7.
Kempton, Herbert E., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Wheel-dressing mechanism. 1,631,596; June 7.
Kendall, Allen B., Niagara Falls, and B. W. Meisel, Crestwood, assignors to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,631,597; June 7.
Kennedy, Bert. (See Kennedy, Philip and B.)
Kennedy, Philip and B., Gloversville, N. Y. Baseball glove. 1,631,735; June 7.
Kenyon, Oliver C., Geneva, Ill. Lawn rake. 1,631,375; June 7.
Kernes, James, assignor to Kernes Manufacturing Company, Chicago, Ill. Clock case. Des. 72,797; June 7.
Kernes Manufacturing Company. (See Kernes, James, assignor.)
Kerotest Manufacturing Company. (See Forbes, John S., assignor.)
Kielar, Stanislaw, Milwaukee, Wis. Toy top. 1,631,272; June 7.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Tool for inserting or removing screws. 1,631,489; June 7.
Kimura, Eigiro, San Pedro, Calif. Vehicle traffic signal. 1,631,273; June 7.
Kincade, Forrest J., New York, N. Y., assignor, by mesne assignments, to C. I. Link, Denver, Colo. Film-feeding apparatus. 1,631,137; June 7.
King, Willis R., assignor to The Hanson & Van Winkle Company, Newark, N. J. File. 1,631,212; June 7.
Kinley, Myron M., Tulsa, Okla. Apparatus for plugging wells. 1,631,419; June 7.
Kirner, Josef, Stuttgart, Germany. Bearing for spinning spindles. 1,631,736; June 7.
Kirschbraun, Lester, Chicago, Ill., and C. E. Rahr, assignors to The Flintkote Company, Boston, Mass. Apparatus for saturating materials. 1,631,826; June 7.
Kitchin, Frank G., Anne Arundel County, Md. Window operator. 1,631,400; June 7.
Klebanoff, Kel, and Grossman. (See Grossman, Samuel, assignor.)
Klein, George S., Granger, Wash. Knife-grinding attachment for meat-grinding machines. 1,631,491; June 7.
Klemoff, Paul, assignor to General American Tank Car Corporation, Chicago, Ill. Car underframe. 1,631,685; June 7.
Kloss, Alex, Aachen-Rothe Erde, Germany. Mud guard for vehicles. 1,631,420; June 7.
Klumb, Arthur H. (See Quade, A., and Klumb.)
Knapp, Edward L., assignor to The National Brass Company, Grand Rapids, Mich. Drawer pull. Des. 72,708; June 7.
Knight, Earle R., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine. 1,631,737; June 7.
Knight, Henry J., Vancouver, British Columbia, Canada. Gear puller. 1,631,872; June 7.
Knight, Ira, Midland, Mich. Wheel runner. 1,631,873; June 7.
Koch, Frederick, Newark, N. J., assignor to U. S. Tool Company, Inc. Vernier condenser. 1,631,738; June 7.
Kohler, Anthony M., East Liverpool, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Monolithic structure and making the same. 1,631,322; June 7.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Tag price-marking machine. 1,631,933; June 7.
Koppel Industrial Car and Equipment Company. (See Burner, W. L., and Kantenwein, assignors.)
Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)
Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Apparatus and process for burning ceramics and the like. 1,631,536; June 7.
Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die-casting machine. 1,631,686; June 7.
Koupal, Walter G., and J. S. Gregorius, Mount Vernon, Ohio, assignors to Pittsburgh Plate Glass Company. Glass-drawing apparatus. 1,631,138; June 7.
Krall, Stanley. (See Shepard, N. A., and Krall.)
Krause, Arthur J., Cleveland, Ohio. Speed-reduction mechanism. 1,631,739; June 7.
Krenzke, John G., assignor to Advance-Rumely Company, La Porte, Ind. Lubricating system for train of gears. 1,631,537; June 7.
Kurman, Nathan A., assignor to The Herald Electric Company, New York, N. Y. Loud Speaker. Des. 72,799; June 7.
Labombarde, Elie W., Nashua, N. H. Appliance for making set-up boxes. 1,631,492; June 7.
Laise, Clemens A., assignor to The Electron Relay Company, Toledo, Ohio. Refractory metal product and making same. 1,631,493; June 7.
La Joie, Hubert J., assignor to Auto Pneumatic Action Company, New York, N. Y. Pneumatic pump construction. 1,631,274; June 7.
Lamb, Arthur. (See Baird, G. W., and Lamb.)
Landis Machine Company. (See Shearer, Harry T., assignor.)
Lane, William E., St. Louis, Mo., assignor to Underwood Typewriter Company, New York, N. Y. Scale plate for typewriting machines. 1,631,494; June 7.
Langdon, Frank E., Vancouver, Wash. Winding shaft. 1,631,538; June 7.
Langerak, Meyer. (See Langerak, Wiggert, assignor.)
Langerak, Wiggert, assignor of one-half to M. Langerak, Pella, Iowa. Grain weigher. 1,631,376; June 7.
Langley, Ralph H., Schenectady, N. Y., assignor to General Electric Company. Dial. 1,631,687; June 7.
Lantagne, Joseph, Centerdale, R. I. Meat jack. 1,631,827; June 7.
Larc, Frank W., Panuco, Mexico. Boiler-tube-cutting device. 1,631,495; June 7.
Larison, Eldon L., Anaconda, Mont. Manufacture of sulphuric acid. 1,631,139; June 7.
Larrair, George M., Indianapolis, Ind. Whirligig. 1,631,539; June 7.
Lasher, Daniel, and A. S. Plank, Port Huron, Mich. Nozzle holder. 1,631,874; June 7.
Latour Corporation. (See Latour, Marius, assignor.)
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Electrical system. 1,631,213; June 7.
Lauter, Ignatz. (See Depew, John, assignor.)
Lawrence, George L., Jr., Melrose, Mass. Game-ball bladder. 1,631,740; June 7.
Lawson, F. H., Company, The. (See Sharwood, Sydney E., assignor.)
Lazzari, Leone, and D. Saudino, New York, N. Y. Heel for shoes. 1,631,741; June 7.

Lea, Charles, Boston, assignor, by mesne assignments, to F. C. Blanchard, Dorchester, Mass. Lubricator. 1,631,742; June 7.
Leake, Arthur G., Bridgeport, Conn. Collapsible-tube holder. 1,631,275; June 7.
L'Eclairage des Vehicules Sur Rail. (See Bénit, Henri, assignor.)
Leffert, Charles B., assignor to United States Tent & Awning Company, Chicago, Ill. Combination awning and side-wall panel for summer or outing houses or cottages. 1,631,214; June 7.
Leffert, Charles B., assignor to United States Tent & Awning Company, Chicago, Ill. Tent. 1,631,215; June 7.
Lehr, John F., sr., Baltimore, Md. Jar lifter. 1,631,598; June 7.
Leib, August, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable condenser. 1,631,599; June 7.
Leipert, August H. (See Hewitt, E. R., and Leipert.)
Leipert, August H., assignor to International Motor Company, New York, N. Y. Nonmetallic centering device for shafting. 1,631,216; June 7.
Lemex, John D., Tulsa, Okla. Casing wagon. 1,631,276; June 7.
Le Munyon, Ethan C., and H. N. Moore, assignors, by mesne assignments, to Rocky Mountain Steel Products, Inc., Los Angeles, Calif. Brake. 1,631,540; June 7.
Less Carloads Lots Company, The. (See Smith, Alfred H., assignor.)
Lewis, Earle B., Waterbury, Conn. Variable condenser. 1,631,636; June 7.
Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Rhoades, W. A., and McKinley, assignors.)
Liberty Machine Tool Company, The. (See Johannesmeyer, Charles G., assignor.)
Link, Charles I. (See Kincade, Forrest J., assignor.)
Lionel Corporation, The. (See Caruso, Louis, assignor.)
Lipscomb, William B., Washington, D. C. Steam engine. 1,631,743; June 7.
Lock, John E., Lowell, Mass. Traffic signal for vehicles. 1,631,140; June 7.
Loebe, Walther-Wilfried, and M. Grossmann, Berlin, Germany, assignors to General Electric Company. Sealing-off device. 1,631,377; June 7.
Loesel, Nicholas, Richmond Hill, assignor to American Can Company, New York, N. Y. Stripper device for perforating punches. 1,631,323; June 7.
Lohöfer, Wilhelm, Leipsic, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Photographic film. 1,631,421; June 7.
Loken, Webster, Windom, Minn. Attrition mill. 1,631,422; June 7.
Long, Elmer C., Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich. Piston. 1,631,952; June 7.
Long, George F., New York, assignor, by mesne assignments, to Steiner Electric Corporation, Long Island City, N. Y. Dashboard control. 1,631,277; June 7.
Lookabaugh, Harry C., Jacksonville, Fla. Safety guard for dangerous highways and the like. Re16,649; June 7.
Loranger, Hubert R. (See Loranger, Ubald R. and H. R.)
Loranger, Ubald R. and H. R., Detroit, Mich. Refrigerating system. 1,631,278; June 7.
Lorenz, Rudolf, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Surface condenser. 1,631,141; June 7.
Loughrey, Carl T., Los Angeles, Calif. Distilling oil shale. 1,631,637; June 7.
Lowe, James K., Baltimore, Md. Propeller for ships or the like. 1,631,744; June 7.
Lucas, Anton, Kansas City, Mo. Purifying iron scale. 1,631,423; June 7.
Lucas, Jonathan, assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Bobbin-feeding mechanism for looms. 1,631,828; June 7.
Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
Luciblello, Andrew, New Haven, Conn. Rope grip. 1,631,745; June 7.
Luckey, George P., Dayton, Ohio. Flow meter. 1,631,746; June 7.
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Siller, Karl, assignor.)
Lundgren, Harry, assignor to Fulcher Pulp Bottle Company, Oakland, Calif. Method and apparatus for forming hollow ware. 1,631,496; June 7.
Lunkenheimer Company, The. (See Hehemann, Frederick H., assignor.)
Lupton's, David, Sons Company. (See Brogden, Joah, assignor.)
Lüscher, Emil, assignor to the Society Elektrizitatswerk Lonza, Gampel and Basel, Switzerland. Manufacture of stabilized metaldehyde. 1,631,875; June 7.
Luxton, William J., and W. A. Green, London, England. Can-soldering machine. 1,631,424; June 7.
Lyons' California Glacé Fruit Company. (See Jacobs, Ernest E., assignor.)

Maby, Frederick W., assignor to Royalty Holding Corporation, New York, N. Y. Starter for internal-combustion engines. 1,631,747; June 7.
Macaulay, Herman C., Rumford, Me. Steam trap. 1,631,876; June 7.
MacKenzie, George W., Beaver, assignor to Correct Measure Company, Rochester, Pa. Liquid-measuring tank. 1,631,541; June 7.
Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)
Maeulen, Frederick. (See Colby, E. A., Maeulen, and Van Allen.)
Mandy, James, assignor of thirty-five per cent to L. Mandy, New York, N. Y. Life-saving device. 1,631,279; June 7.
Mandy, Louis. (See Mandy, James, assignor.)
Manuel, Thomas D., Bellville, South Africa. Fuel filler for tanks. 1,631,542; June 7.
Marcus, Henry C., San Francisco, and W. Fourness, Oakland, Calif. Compressor. 1,631,425; June 7.
Marler, Harry I., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Dental X-ray-film package. 1,631,497; June 7.
Marsac, Gerald. (See Schilz, John, assignor.)
Martin, Carl, Kearny, N. J., assignor to General Electric Company. Sealing-off device. 1,631,378; June 7.
Martin, Charles E., Paulsboro, N. J., assignor to Vacuum Oil Company, New York, N. Y. Sealing machine for containers or the like. 1,631,748; June 7.
Martin, Frederick H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe. 1,631,749; June 7.
Massey, Orren I., assignor of one-half to S. Williams, Elk City, Okla. Clothing and package carrier. 1,631,543; June 7.
Masters, John H., assignor to The Valle-Kimes Company, Dayton, Ohio. Water-supply system and valve therefor. 1,631,142; June 7.
Matthews, Edgar M., Jamaica, N. Y., and J. A. Carr, East Orange, N. J., assignors to American Telephone and Telegraph Company. Deflection dynamometer. 1,631,143; June 7.
Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Oiling system for bearings. 1,631,217; June 7.
Maurer, D. W. (See Parrish, Benjamin E., assignor.)
Maurer, Louis A., Irvington, N. J., assignor to General Electric Company. Sealing-off torch. 1,631,379; June 7.
McAnsh, Byron A., Chicago, Ill. Collapsible spout. 1,631,951; June 7.
McCann, William G., et al. (See Barnett, John B., assignor.)
McClaferty, E. A., Los Angeles, Calif. Adjustable washboard support. 1,631,638; June 7.
McClintock, Herbert R. (See Russell, James M., assignor.)
McCormick Brothers Company. (See Halvorsen, Axel I. S., assignor.)
McDonald, William H., Overton, Nev. Ditching machine. 1,631,639; June 7.
McDowell, John L. (See Johnson, W. V., and McDowell.)
McGowen, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,631,640; June 7.
McIntosh, James, Norristown, Pa., assignor to Diamond State Fibre Company, Bridgeport, Pa. Paper product and making same. 1,631,750; June 7.
McKinley, Thomas C. (See Rhoades, W. A., and McKinley.)
McLarty, Edward, sr., and S. L. Blankenship, Los Angeles, Calif. Universal radio and direct-service system. 1,631,690; June 7.
McLauchlin, James, Dolton, assignor to Richard Fitzgerald, Chicago, Ill. Baking brick. 1,631,144; June 7.
McMyler Interstate Company, The. (See Wright, James F., assignor.)
McNamara, Patrick B. (See Blanding, Joseph E., assignor.)
McNeill, John W., and J. Michelsen, Wistaria, British Columbia, Canada. Calk attachment for boots. 1,631,877; June 7.
Meigs, Joseph V., assignor, by mesne assignments, to C. Ellis, Montclair, N. J. Manufacture of products from aromatic amines and sulphur chloride. 1,631,280; June 7.
Meisel, Benjamin W. (See Kendall, A. B., and Meisel.)
Melniker, Abraham, and S. Calmanson, Brooklyn, N. Y. Collapsible baby carriage. 1,631,498; June 7.
Melton, Frank J., Clayton, N. Mex. Gravity dump body for trucks or wagons. 1,631,751; June 7.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Oil-burning device. 1,631,688; June 7.
Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Automatic load equalization. 1,631,752; June 7.
Michelsen, John. (See McNeill, J. W., and Michelsen.)
Micro Machine Company. (See Baumberger, William J., assignor.)
Midulla, Benjamin, Wilkinsburg, Pa. Electric heater. 1,631,753; June 7.

Milbrath, Arthur F., Milwaukee, Wis. Mounting for valve tappets. 1,631,218; June 7.
Miller, Otto, Cincinnati, Ohio. Automatic take-up bolt. 1,631,878; June 7.
Miller, William L., St. Paul, Minn. Radio tuning device. 1,631,380; June 7.
Miner, Claude G., Berkeley, assignor, by mesne assignments, to Anglo-California Trust Company, trustee, San Francisco, Calif. Production of metallic magnesium and fixed nitrogen. 1,631,544; June 7.
Miner, Edward G. (See Smith, A. H., and Miner.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Miner, William E. (See Dietrich, Frank and J., and Miner.)
Minneapolis Heat Regulator Company. (See Denison, Frederick S., assignor.)
Mizer, Fred N., assignor to The General Phonograph Manufacturing Company, Elyria, Ohio. Low-speed governor for spring motors and the like. 1,631,324; June 7.
Moening, Frank H., Coe Township, Isabella County, Mich. Huller. 1,631,426; June 7.
Moffett, Marcus H., Lakewood, assignor to The Bankers Savings & Credit System Company, Cleveland, Ohio. Money receptacle. 1,631,934; June 7.
Mohawk Carpet Mills, Inc. (See Crossland, George, assignor.)
Mohawk Rubber Company, The. (See Moore, Howard P., assignor.)
Molins, Walter E., London, England. Machine for automatically cutting moving webs of paper or other materials into sheets. 1,631,879; June 7.
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Monich, Alex., Forestville, Conn. Curtain supporter. 1,631,219; June 7.
Montgomery, Earl T. (See Jeffery, J. A., and Montgomery.)
Montstream, John H., Hartford, Conn. Cutting tool. 1,631,641; June 7.
Moore, Ernest R., Gadsden, Ala. Revolving grate. 1,631,427; June 7.
Moore, Henry N. (See Le Munyon, E. C., and Moore.)
Moore, Howard P., Cuyahoga Falls, assignor to The Mohawk Rubber Company, Akron, Ohio. Machine for removing air bags from tires. 1,631,281; June 7.
Morgal, John F., Springfield, Ohio. Chuck. 1,631,499; June 7.
Morgan, Arthur L., Montreal, Quebec, Canada. Chain grate for furnaces. 1,631,282; June 7.
Morgan, Emerson E., Yonkers, and W. H. Day, New Rochelle, N. Y. Lip stick. 1,631,283; June 7.
Morrison, Theodore S., Chicago, Ill. Davenport bed. 1,631,600; June 7.
Morton, Thomas, Moseley, England. Stud-and-socket-type fastening. 1,631,880; June 7.
Moser, Felix, Holland, Mich. Wrench for screw-top jars. 1,631,689; June 7.
Mueller, John G., Dayton, Ohio. Rail brace. 1,631,325; June 7.
Muller, Franklyn R., Lake Bluff, assignor to Franklyn R. Muller, Inc., Waukegan, Ill. Manufacturing mastic tile and the like. 1,631,284; June 7.
Muller, Franklyn R., Inc. (See Muller, Franklyn R., assignor.)
Murphy, P. H., Company. (See Gilpin, Garth G., assignor).
Murphy, William, St. Louis Park, Minn. Tire Chain. 1,631,754; June 7.
Murray, John F., assignor of one-half to W. Irvin, Otterbein, Ind. Straw press. 1,631,881; June 7.
Musselman, Stanley B., Sarnia, Ontario, Canada. Indicator for setting steam-engine valves. 1,631,285; June 7.
Myers, Wesley. (See Sheely, J. M., and Myers.)
Nagin, Harry, Brooklyn, N. Y., assignor to the Grating Company of America, Pittsburgh, Pa. Connected bar structure. 1,631,691; June 7.
National Automatic Tool Co., The. (See Peters, Frebert J., assignor.)
National Brass Company, The. (See Knapp, Edward L., assignor.)
National Carbon Company. (See Hendry, William F., assignor.)
National Carbon Company. (See Roberg, Philip, assignor.)
National Carbon Company. (See Yngve, Victor, assignor.)
National Fire Proofing Company. (See Wallace, Robert G., assignor.)
Negly, Laurel A., and P. S. Black, Forth Worth, Tex. Cereal beverage compound. 1,631,829; June 7.
Negly, Laurel A., and P. S. Black, Forth Worth, Tex. Preparing cereal beverage compounds. 1,631,830; June 7.
Nell, William, assignor to William Nell & Company, Chicago, Ill. Container. 1,631,935; June 7.
Nell, William, & Company. (See Nell, William, assignor.)
Nelles, Russell E., assignor to Reading Chain & Block Corporation, Reading, Pa. Adjustable end truck. 1,631,545; June 7.
Nelson, Lewen R., Peoria, Ill. Sprinkler. 1,631,381; June 7.
Newman, Jesse F., Los Angeles, Calif. Making a rice product. 1,631,145; June 7.
Newmark, Aaron S., Brooklyn, N. Y. Power-transmission device. 1,631,500; June 7.
Newton, Albert E. (See Tewksbury, D. S., and Newton.)
Nicholson, Joseph B., Steubenville, Ohio. Apparatus for scarifying plastic clay columns. 1,631,220; June 7.
Niles, Harry F., Chicago, Ill. Package. 1,631,755; June 7.
Nistler, Sebastian, Buffalo, N. Y. Infant's conveyance. 1,631,546; June 7.
Nordan, Monte E., West Frankfort, Ill. File. 1,631,882; June 7.
Nordlund, Ludvig B., San Francisco, Calif. Change returning device. 1,631,326; June 7.
Norton Company. (See Belden, Albert G., assignor.)
Novadel Process Corporation. (See Van der Lande, Johannes A. L., assignor.)
Novick, Abraham, Brooklyn, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Envelope machine. 1,631,146; June 7.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Shock-absorbing mechanism. 1,631,147; June 7.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,631,148; June 7.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,631,149; June 7.
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Olin, Franklin W., Alton, assignor to Western Cartridge Company, East Alton, Ill. Detonator package. 1,631,756; June 7.
Olmstead, Lewis B. (See Davis, R. O. E., and Olmstead.)
Olson, Martin E., Minneapolis, Minn. Bench clamp. 1,631,428; June 7.
Olvis, James E., Los Angeles, Calif. Vending machine. 1,631,547; June 7.
Oppenheim, René, assignor to Société Anonyme Le Carbone, Levallois-Perret, France. Positive electrode for electric batteries. 1,631,642; June 7.
Orlow, Ernest M., assignor of one-half to A. J. Schmitt, Milwaukee, Wis. Reenforced fabric for garment construction. 1,631,601; June 7.
Ostrander, Allen E., Bronxville, assignor to American Car and Foundry Company, New York, N. Y. Car-end construction. 1,631,327; June 7.
Ottenheimer Bros. Inc. (See Ottenheimer, Jacob B., assignor.)
Ottenheimer, Jacob B., assignor to Ottenheimer Bros., Inc., Baltimore, Md. Refrigerator. 1,631,883; June 7.
Owen, Tom M., Wallace, and M. P. Dalton, Mullan, Idaho. Flotation apparatus. 1631,382; June 7.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Blank-feeding device. 1,631,150; June 7.
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Pacific Lumber Company, The. (See Humboldt, Elle S., assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Pahmeyer, Frederick O., assignor to Heine Boiler Company, St. Louis, Mo. Boiler. 1,631,328; June 7.
Palka, Andrew, Detroit, Mich. Radiator. Des. 72,800; June 7.
Palmer-Jones, Daniel, assignor of one-half to Scaffolding (Great Britain) Limited, Stockwell, London, England. Coupling or clamping device for scaffolding and other framework structures. 1,631,831; June 7.
Parkinson, Joseph C., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Control apparatus for leers. 1,631,151; June 7.
Parks, Paul B. (See Russell, E. A., and Parks.)
Parrish, Benjamin E., Honeygrove, assignor of one-half to D. W. Maurer, Dallas, Tex. Plug for oil wells. 1,631,152; June 7.
Parsons, Albert R., assignor of one-half to P. Woods, Bonaporte, Iowa. Telescoping tire rim. 1,631,429; June 7.
Patent Button Company, The. (See Ross, Frederick N., assignor.)
Patnaude, William E., Stoughton, Mass. Dispensing faucet. 1,631,548; June 7.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 1,631,329; June 7.
Paulson, Victor E., Esmond, S. Dak. Adjustable wrench. 1,631 884; June 7.
Pavia, Luigi, Allentown, Pa. Tension device and the like. 1,631,330; June 7.
Pawling, George F., Philadelphia, Pa. Screed support. 1,631,502; June 7.
Payzant, Henry H., Everett, Wash. Floor-laying machine. 1,631 501; June 7.
Pease, F. F., Inc. (See Pease, Fred F., assignor.)
Pease Fred F., East Braintree, assignor to F. F. Pease Inc., Boston, Mass. Vacuum cleaner. 1,631,549; June 7.
Peck, Charles B., Suffern, N. Y. Washing paper. 1,631,757; June 7.
Peck Shoe Company. (See Cristallini, Charles O., assignor.)

Peebles, Frank W. L., assignor to J. L. Hopkins, trustee, St. Louis, Mo. Vacuum packing apparatus. 1,631,885; June 7.
Peinlich, Max, White Plains, assignor to Columbia Lighting Fixture Co. Inc., New York, N. Y. Arm for a lighting fixture or the like. Des. 72,801; June 7.
Pengilly, Joseph H., assignor to Brown & Pengilly, Inc., Los Angeles, Calif. Quick-break switch. 1,631,503; June 7.
Penney, Harold D., Pelham, N. Y., assignor to Diamond Expansion Bolt Company. Sound amplifier. 1,631,221; June 7.
Pennsylvania Stamping Corporation. (See Swett, Lewis E., assignor.)
Penrod, Melvin A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,631,832; June 7.
Pepper, Sam, Nottingham, England. Lace fabric and producing same. 1,631,886; June 7.
Perogio, Elio A., Montelupone, Italy. Felted fabric and the manufacture thereof. 1,631,692; June 7.
Peters, Frebert J., assignor to The National Automatic Tool Co., Richmond, Ind. Drill holder. 1,631,286; June 7.
Peterson, George H., East Orange, N. J., assignor to American Telephone and Telegraph Company. Trunk circuits. 1,631,153; June 7.
Peterson, Julius C., Elgin, Ill. Snap fastener. 1,631,602; June 7.
Pfaudler Company. (See Smith, A. H., and Miner, assignors.)
Photomaton Inc. (See Josepho, Anatol M., assignor.)
Pieper, Alphonse F., Rochester, N. Y. Universal joint. Des. 72,802; June 7.
Pieper, Alphonse F. Rochester, N. Y. Valve. 1,631,643; June 7.
Pinto, Angelo, Brooklyn, N. Y. Carrousel. 1,631,331; June 7.
Pittsburgh Plate Glass Company. (See Gregorius, Joseph S., assignor.)
Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)
Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)
Pittsburgh Plate Glass Company. (See Koupal, W. G., and Gregorius, assignors.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Plate Glass Company. (See Parkinson, Joseph C., assignor.)
Plank, Alvin S. (See Lasher, D., and Plank.)
Plank, Walter E., San Francisco, Calif. Steering-mechanism stabilizer for trailers. 1,631,332; June 7.
Pneumatic Scale Corporation, Limited. (See Cleaves, William S., assignor.)
Poetz, John C., Leonia, Idaho. Molding core. 1,631,154; June 7.
Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heeling shoes. 1,631,155; June 7.
Post, Clifford W. (See Urquhart, W. R., Post, Humphrey, and Van Arsdale.)
Posternak, Swigel, Chene-Bougeries, near Geneva, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Phosphorus containing nuclear substance of milk casein in a chemically-pure form and making the same. 1,631,887; June 7.
Potmaker, Vitus, San Francisco, Calif. Pie-filling compound. 1,631,287; June 7.
Potter, Earl F., Glencoe, assignor of one-half to G. W. Rodormer, Park Ridge, Ill. Ground-clamp connecter. 1,631,288; June 7.
Pow, Joseph C., Hays, N. C. Hospital bed. 1,631,888; June 7.
Pressed Steel Car Company. (See Streib, John F., assignor.)
Prest-O-Lite Company, The. (See Benner, Raymond C., assignor.)
Priebe, Herman C., Blue Island, Ill. Truck frame. 1,631,335; June 7.
Privat, Bernard, Stockton, Calif. Garden wheelbarrow. 1,631,333; June 7.
Proctor, Albert E., Bellingham, Wash. Band-saw-tooth roller. 1,631,336; June 7.
Quade, Alfred and A. H. Klumb, assignors to West Bend Equipment Corporation, West Bend, Wis. Stall and stanchion. 1,631,337; June 7.
Quiroz, Francisco A., New York, N. Y. Centrifugal apparatus for separating purposes. 1,631,383; June 7.
Qvarnstrom, Ernest J., Attleboro, Mass. Receptacle. 1,631,334; June 7.
Rackham, George J., assignor to Yellow Coach Manufacturing Co., Chicago, Ill. Change-speed transmission. 1,631,338; June 7.
Radio Corporation of America. (See Clark, George H., assignor.)
Rahr, Chester E. (See Kirschbraun, L., and Rahr.)
Ranney, Clark E., Tulsa, Okla. Derrick. 1,631,156; June 7.
Rappley, William J., Billings, Mont. Drive-shaft puller. 1,631,889; June 7.
Rappold, Hermann, Duren, Germany, assignor to Zimmermann & Jansen, Gesellschaft mit beschrankter Haftung, Duren, Rheinland, Germany. Working blast heaters used in connection with blast furnaces. 1,631,950; June 7.
Rasmussen, Martin, assignor to Hartmann Trunk Company, Racine, Wis. Latching device. 1,631,758; June 7.
Rauch, George F., Pukawana, S. Dak. Time-operated circuit closer. 1,631,644; June 7.
Raynolds, Laurence, New York, N. Y. Aeroplane. 1,631,603; June 7.
Reading Chain & Block Corporation. (See Nelles, Russell E., assignor.)
Reardon, Robert E., Columbia, Pa. Bottle-capping utensil. 1,631,289; June 7.
Reason, Walter M., assignor to E. Ballamos, Pontiac, Mich. Transmission lock. 1,631,157; June 7.
Redick, Frank, Parkerton, Wyo. Hydraulic swivel hook. 1,631,890; June 7.
Redman, Charles H., East Orange, N. J. Golf club. 1,631,504; June 7.
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reece Shoe Machinery Company. (See Zaleski, Frank, assignor.)
Regan Safety Devices Company. (See Kendall, A. B., and Meisel, assignors.)
Rekar, Jay J., Los Angeles, Calif. Illuminating and heating device. 1,631,645; June 7.
Remington-Noiseless Typewriter Corporation. (See Going, George G., assignor.)
Rennie, John A. (See Cooke, C. J., and Rennie.)
Rhoades, James W., Harris, Mo. Grease cup. 1,631,158; June 7.
Rhoades, Warren A., Shreveport, La., and T. C. McKinley, Charleston, W. Va., assignors to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Skimming glass. 1,631,759; June 7.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Sound-reproducing apparatus. 1,631,646; June 7.
Richards, Ernest J., Mineral Point, Wis. Headlight reflector. 1,631,159; June 7.
Richardson Company, The. (See Fisher, Harry C., assignor.)
Richardson Company, The. (See Trefzger, Herbert, assignor.)
Richey, George H., Boston, Mass., assignor to Sullivan Machinery Company. Broaching tool. 1,631,693; June 7.
Richmond, Francis A., assignor to The Frostilla Company, Elmira, N. Y. Lotion. 1,631,384; June 7.
Rick, George A., Woodhaven, assignor to A. G. Spalding & Bros., New York, N. Y. Shoulder pad. 1,631,694; June 7.
Ricks, Fred, and E. G. E. Burgoyne, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,631,385; June 7.
Riddle, Frank H., assignor to Champion Porcelain Company, Detroit, Mich. Porcelain. 1,631,695; June 7.
Rinker, Charles A., Galesburg, Ill. Bunch former. 1,631,760; June 7.
Risley, Elton, Ventnor, N. J. Suction pipe. 1,631,761; June 7.
Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Flexible shingle. 1,631,936; June 7.
Roberg, Philip, Elmhurst, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Electrical connection. 1,631,550; June 7.
Robertson, Neil, Vancouver, British Columbia, Canada. Domestic fireplace structure. 1,631,696; June 7.
Robinson, Harvey W., New Orleans, La. Current motor. 1,631,647; June 7.
Robinson, Joseph, New York, N. Y. Automatic train-pipe connecter. 1,631,551; June 7.
Robinson, Joseph, New York, N. Y. Automatic train-pipe connecter. 1,631,552; June 7.
Robinson, Robert M., assignor to Cheatham Electric Switching Device Co., Inc., Louisville, Ky. Switch and signal system. 1,631,648; June 7.
Robinson, Thomas, Babylon, N. Y., assignor to Anaconda Sales Company. Roofing element. 1,631,604; June 7.
Rockford Steel Furniture Company. (See Faust, Levin, assignor.)
Rocky Mountain Steel Products, Inc. (See Le Munyon, E. C., and Moore, assignors.)
Roderick, Charles E., Battle Creek, Mich. Blood-testing device. 1,631,553; June 7.
Rodgers, Ellis B. (See Seward, E. A., and Rodgers.)
Rodormer, George W. (See Potter, Earl F., assignor.)
Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Ladle elevator. 1,631,339; June 7.
Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Brake for elevators. 1,631,340; June 7.
Roholt, Charles. (See Hendrickson, N. T., and Roholt.)
Root, Arthur J., Springfield, Ohio. Shock absorber. 1,631,222; June 7.
Rosebush, Waldo E., Millwood, Wash. Exhaust system for paper-machine driers. 1,631,833; June 7.
Rosebush, Waldo E., assignor to Inland Empire Paper Company, Millwood, Wash. Method and apparatus for mixing pulp. 1,631,762; June 7.
Rosen, Abraham W., New York, N. Y. Combined ash receiver and match box. Des. 72,803; June 7.

Rosenthal China Corporation. (See Wesp, George, assignor.)
Ross, David E. (See Gruenewald, E. J., and Ross.)
Ross, Frederick N., Detroit, Mich., assignor to The Patent Button Company, Waterbury, Conn. Hopper construction. 1,631,160; June 7.
Ross Gear & Tool Company. (See Chandler, F. F., and Young, assignors.)
Ross Gear & Tool Company. (See Gruenewald, E. J., and Ross., assignors.)
Ross, Harry, assignor to Fur Guide Machine Corporation, New York, N. Y. Needle plate for fur-sewing machines. 1,631,605; June 7.
Rothermund, Werner F., Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,631,223; June 7.
Rouanet, Louis, Ivry-Port, France, assignor to Compagnie d'Applications Mecaniques, Paris, France. Bearing with rolling members. 1,631,763; June 7.
Royalty Holding Corporation. (See Maby, Frederick W., assignor.)
Ruben, Samuel, New York, N. Y. Electrostatic relay device. 1,631,764; June 7.
Rüdenberg, Reinhold, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Cooling electric machinery. 1,631,765; June 7.
Russell, Edward A., Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Limit switch for valve-operating mechanism. 1,631,161; June 7.
Russell, James M., assignor to H. R. McClintock, San Diego, Calif. Parachute. 1,631,766; June 7.
Russell, James M., assignor to H. R. McClintock, San Diego, Calif. Parachute pack. 1,631,767; June 7.
Russell, James M., assignor to H. R. McClintock, San Diego, Calif. Parachute harness. 1,631,768; June 7.
Rutherford, Walter, et al. (See Geake, William H. G., assignor.)
Ryerson, Joseph T., & Son, Inc. (See Seymour, W., jr., Groff, and Schaaf, assignors.)
St. John, Henry A., and J. F. Griffin, Utica, N. Y. Callpers. 1,631,896; June 7.
Salo, Nels, Watton, Mich. Antikick auto crank. 1,631,649; June 7.
Salsich, Neil E., Bethlehem, Pa. Gauge rod. 1,631,769; June 7.
Samis, Ivalou B., Los Angeles, Calif. Educational game. 1,631,505; June 7.
Sander, Mart, Hapsal, Esthonia. Surveying instrument with drawing device. 1,631,891; June 7.
Saoutchik, Jacques, Neuilly-sur-Seine, France. Window opening and closing mechanism. 1,631,892; June 7.
Sarjeant, Cyril J. (See Hastings, H. C., and Sarjeant.)
Saudino, Dominic. (See Lazzari, L., and Saudino.)
Scaffolding (Great Britain) Limited. (See Palmer-Jones, Daniel, assignor.)
Schaaf, Albert. (See Seymour, W., jr., Groff, and Schaaf.)
Schaper, Harry C., assignor to The Weightograph Company, St. Louis, Mo. Personal weighing scale. 1,631,341; June 7.
Schenck, John F., sr., Lawndale, N. C. Skein-winding machine. 1,631,893; June 7.
Scherdel, Karl, Fitchburg, Mass. Frankfurter-roll-forming machine. 1,631,697; June 7.
Schick, Adolph M., Wheeling, W. Va. Vehicle signaling apparatus. 1,631,698; June 7.
Schliz, John, assignor of one-third to G. Marsac, Los Angeles, Calif. Electrical-conduit-crossover system. 1,631,224; June 7.
Schinscholl, Erich, Cincinnati, Ohio. Egg carton. 1,631,554; June 7.
Schlaepfer, Edouard, Lausanne, Switzerland. Spray nozzle. 1,631,894; June 7.
Schleicher, Frank J., St. Louis, Mo. Paper box. 1,631,225; June 7.
Schmitt, Arthur J. (See Orlow, Ernest M., assignor.)
Schnell, Ernst O., Chicago, Ill. Pad for hair waving. 1,631,342; June 7.
Schorger, Arlie W., Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn. Gelatinizing wood. 1,631,834; June 7.
Schreiber, Sigmond, Pittsburgh, Pa. Dispensing apparatus. 1,631,430; June 7.
Schremp, Edward J., Rochester, N. Y. Pressing machine for garments and the like. 1,631,770; June 7.
Schroder, Edward J., Lowell, Ind. Variable condenser. 1,631,226; June 7.
Schubert, Friedrich W., assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Collapsible reel for winding filaments, yarns, threads, silks, and the like. 1,631,431; June 7.
Schubert, Friedrich W., assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Manufacture of artificial silk. 1,631,835; June 7.
Schuetz, Thomas J., assignor to Braden Steel & Winch Company, Tulsa, Okla. Take-up reel. 1,631,432; June 7.
Scott-Ullman Company, The. (See Wing, Clarence G., assignor.)
Scott, Walter M., Lakewood, and R. E. Tresise, Cleveland, Ohio. Casing for electrical measuring instruments. 1,631,606; June 7.
Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
Sebald, Leslie E., Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y. Vertical film-type evaporator. 1,631,162; June 7.
Security Trust Company. (See Long, Elmer C., assignor.)
See, Edward E., Omaha, Nebr. Staff base. 1,631,227; June 7.
Segelhorst, August L., Whittier, Calif. Packing device. 1,631,343; June 7.
Selmer, Fredrik, Christiania, Norway. Sand-heating apparatus for building purposes. 1,631,699; June 7.
Seward, Edward A., and E. B. Rodgers, Columbus, Ga. Terminal protective apparatus. 1,631,555; June 7.
Seymour, William, jr., J. O. Groff, and A. Schaaf, assignors to Joseph T. Ryerson & Son, Inc., Chicago, Ill. Metal-bending machine. 1,631,386; June 7.
Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Fluid-pressure-actuated tool. 1,631,163; June 7.
Shakeproof Lock Washer Company. (See Hosking, Richard T., assignor.)
Sharwood, Sydney E., Lakeland, Fla., assignor to The F. H. Lawson Company, Cincinnati, Ohio. Bathroom wall fixture. Des. 72,804; June 7.
Shearer, Harry T., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 1,631,556; June 7.
Sheather, Albert, Elizabeth, N. J. Oil burner. 1,631,771; June 7.
Sheedy, J. M., Richmond Hill, N. Y., and W. Myers, Bethlehem, Pa., assignors to The Etzel Company, Inc., New York, N. Y. Method of and apparatus for obtaining disruptive effects. 1,631,290; June 7.
Shelton, Robert H., Durant, Okla. Window-sash holder. 1,631,772; June 7.
Shepard, Norman A., Akron, Ohio, and S. Krall, Longmeadow, Mass., assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Vulcanizing rubber and compound resulting therefrom. Re16,648; June 7.
Sheppard, Charles E. (See Cooke, C. J., and Rennie, assignors.)
Shiman, Abraham, Newark, N. J. Finger ring. Des. 72,805; June 7.
Shiman, Abraham, Newark, N. J. Finger ring. Des. 72,806; June 7.
Shiman, Abraham, Newark, N. J. Finger ring. Des. 72,807; June 7.
Shiman, Abraham, Newark, N. J. Finger ring. Des. 72,808; June 7.
Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Resilient connecter. 1,631,228; June 7.
Shuter, Alfred D. (See Smith, W. S., and Shuter.)
Siegerist, Walter, assignor to Heine Boiler Company, St. Louis, Mo. Steam boiler. 1,631,344; June 7.
Siemens & Halske Aktiengesellschaft Wernerwerk. (See Soldan, Otto, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Rüdenberg, Reinhold, assignor.)
Siller, Karl, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Gas cell of rigid airships. 1,631,895; June 7.
Silverstein, William I., Brooklyn, N. Y. Machine for making ventilators for wearing apparel. 1,631,773; June 7.
Simmons Company. (See Bradshaw, Richard, assignor.)
Simms, Frederick R., London, England. Yielding rotary driving mechanism. 1,631,433; June 7.
Simonds-Dayton, A. A., Company, The. (See Anderson, Edward, assignor.)
Simpson, Franklin S., Alton, Ill. Machine for grinding valves. 1,631,700; June 7.
Simpson, John M., assignor to Warner Gear Company, Muncie, Ind. Transmission gearing. 1,631,937; June 7.
Simpson, John M., assignor to Warner Gear Company, Muncie, Ind. Automobile transmission. 1,631,938; June 7.
Simpson, John M., assignor to Warner Gear Company, Muncie, Ind. Speed-varying transmission. 1,631,939; June 7.
Simpson, Ward T., Ann Arbor, assignor, by mesne assignments, to A. G. Dickinson, Grand Rapids, Mich. Carburetor. 1,631,701; June 7.
Sinner, Emil, Milwaukee, Wis. Timer. 1,631,291; June 7.
Sipe, Clinton R., assignor, by mesne assignments, to Automatic Electric Inc. Chicago, Ill. Automatic switch. 1,631,506; June 7.
Sipp, Grant, Paterson, N. J. Winding machine. 1,631,292; June 7.
Six, Dale M., Los Angeles, Calif. Lubricating means for automobile chassis. 1,631,650; June 7.
Skoglund, Charles, Lynn, Mass., assignor to General Electric Company. Making tubing. 1,631,651; June 7.
Slade, Harold E., assignor to Beaver Machine & Tool Co., Inc., Newark, N. J. Outlet receptacle. 1,631,507; June 7.
Slingerland, Henry H., River Forest, Ill. Banjo. 1,631,293; June 7.
Small, Arthur E., Oak Park, assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,631,294; June 7.

Small, Arthur E., Oak Park, assignor to Union Metal Products Company, Chicago, Ill. Centering device for car couplers. 1,631,295; June 7.
Smith, Alfred H., deceased, Chappaqua, N. Y.; M. E. Smith and E. H. Smith, executors, assignors to The Less Carload Lots Company, Wilmington, Del. Sectional railroad car. 1,631,164; June 7.
Smith, Alfred H., Chappaqua, and E. G. Miner, Rochester; said Miner assignor to Pfaudler Company, Rochester, N. Y. Sectional refrigerator car. 1,631,165; June 7.
Smith, Charles E., Azusa, Calif. Amalgamating machine. 1,631,434; June 7.
Smith, Emery H., et al., executors. (See Smith, Alfred H.)
Smith, Frank A., Union City, Conn. Tire chain. 1,631,296; June 7.
Smith, Harry B., New York, N. Y. Method and mechanism for covering cloth boards, etc. 1,631,940; June 7.
Smith, Maude E., et al., executors. (See Smith, Alfred H.)
Smith, Raymond C. (See Springfield, Garland P., assignor.)
Smith, Richmond W., Walpole, Mass. Shutter control for cameras. 1,631,435; June 7.
Smith, Willoughby S., Newton Poppleford, and A. D. Shuter, Harrow-on-the-Hill, England. Manufacture of telegraph and telephone cables. 1,631,774; June 7.
Smithe, F. L., Machine Company. (See Novick, Abraham, assignor.)
Société Anonyme le Carbone. (See Oppenheim, René, assignor.)
Societe du Carburateur Zenith. (See Baverey, François, assignor.)
Societe du Carburateur Zenith. (See de Boischevalier, Henri, assignor.)
Society Elektrizitätswerk Lonza. (See Lüscher, Emil, assignor.)
Society of Chemical Industry in Basle. (See Posternak, Swigel, assignor.)
Sokal, Edward, assignor to American Katalite Corporation, Brooklyn, N. Y. Internal-combustion engine. 1,631,702; June 7.
Sokal, Edward, assignor to American Katalite Corporation, Brooklyn, N. Y. Internal-combustion engine. 1,631,703; June 7.
Sokal, Edward, New York, assignor to American Katalite Corporation Brooklyn, N. Y. Internal-combustion engine. 1,631,704; June 7.
Sokal, Edward, New York, assignor to American Katalite Corporation, Brooklyn, N. Y. Internal-combustion engine. 1,631,705; June 7.
Sokal, Edward, New York, assignor to American Katalite Corporation, Brooklyn, N. Y. Internal-combustion engine. 1,631,706; June 7.
Soldan, Otto, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt, near Berlin, Germany. Hand telephone. 1,631,607; June 7.
Solomon, Emil. (See Zubrow, H., and Solomon.)
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,631,230; June 7.
Spalding, A. G., & Bros. (See Rick, George A., assignor.)
Spellissy, Arthur E., et al. (See Barnett, John B., assignor.)
Sponable, George W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. External bearing-adjusting means. 1,631,557; June 7.
Sprague, Earl V., assignor of one-third to E. C. Wilson and one-third to H. J. Hilson, Davenport, Iowa. Self-closing stopcock. 1,631,166; June 7.
Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Thermo-sensitive relay. 1,631,836; June 7.
Sprenger, Richard, and H. Conradt, Hennigsdorf, Germany, assignors to General Electric Company. Suction device for mica-coating machines. 1,631,652; June 7.
Springfield, Garland P., Evansville, Ind., assignor of one-half to R. C. Smith, Vandenburg County, Ind. Railway-crossing safety device. 1,631,387; June 7.
Stahl, Frederick W., Philadelphia, Pa. One-way pull latch. 1,631,229; June 7.
Standard Railway Fusee Corporation. (See Dutcher, Frank, assignor.)
Standard-Trump Brothers Machine Company. (See Houseman, Harold E., assignor.)
Star Chandelier Co. (See Boehringer, John A., assignor.)
Steinbreder, William J. (See Beegle, Raymond E., assignor.)
Steiner Electric Corporation. (See Long, George F., assignor.)
Stern, Louis, Company. (See Jones, Percival W., assignor.)
Stevens, Alfred J., London, Ontario, Canada. Game apparatus. 1,631,558; June 7.
Stevenson, Clarence M., Los Angeles, Calif., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic test-lens frame. 1,631,559; June 7.
Stewart, Franklin W., Chicago, Ill. Steering-wheel lock for automobiles. 1,631,436; June 7.
Stock, Anthony T., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,631,345; June 7.
Stoffel, Oskar, Baden, Germany. Packing ring. 1,631,654; June 7.
Stokes, Oscar E., Streator, Ill. Bumper. 1,631,653; June 7.
Stoll, Berry V., Louisville, Ky. Rotary toothbrush. 1,631,897; June 7.
Stone, George M., Griswold, Iowa. Power-transmission mechanism for motor vehicles. 1,631,837; June 7.
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Strachan, James M., North Acton, London, England. Sliding window of motor and other vehicles. 1,631,775; June 7.
Straits, Joseph A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-regrooving tool. 1,631,941; June 7.
Streib, John F., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,631,437; June 7.
Struble, Clarence H., and S. W. Hall, Chicago, Ill. Brush. 1,631,560; June 7.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bread slicer. 1,631,231; June 7.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
Sullivan Machinery Company. (See Richey, George H., assignor.)
Sullivan, Maurice, Brooklyn, N. Y. Valve shield. 1,631,438; June 7.
Sunday, Irvin R., Reading Pa. Paper-cutting cabinet. 1,631,776; June 7.
Sunderland, James C., and J. F. Costelow, Kansas City, Mo. Broiling apparatus. 1,631,655; June 7.
Swan, Harold A., Coronado, Calif. Portable belt sander. 1,631,898; June 7.
Sweeney, Heloise, Richmond, Va. Combined mattress and bedpan. 1,631,656; June 7.
Swett, Lewis E., assignor to Pennsylvania Stamping Corporation, York, Pa. Making saws. 1,631,657; June 7.
Swift & Company. (See Britt, Max, assignor.)
Swoope, Samuel F., Cincinnati, Ohio. Repair link. 1,631,346; June 7.
Symmes, Charles D., Cygnet, Ohio. Agricultural instrument. 1,631,561; June 7.
Szigethy, Stephen, New York, N. Y. Candelabrum. 1,631,232; June 7.
Taljan, Stefan A., East St. Louis, Ill. Drum or pulley attachment. 1,631,899; June 7.
Taylor, James H., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Flat-work ironer. 1,631,347; June 7.
Taylor, Samuel G. (See Westmoreland, E. E., and Taylor.)
Temperley, Joseph, London, England. Propelling wheeled vehicles. 1,631,900; June 7.
Tercau, Russell, St. Paul, Minn. Nozzle. 1,631,167; June 7.
Terry, Charles H., Cincinnati, Ohio. Collapsible core. 1,631,838; June 7.
Terry, Charles H., Cincinnati, Ohio. Mold for forming hollow panels. 1,631,839; June 7.
Terry, Frederick P., Alameda, Calif. Furnace igniter. 1,631,348; June 7.
Tescher, Samuel, Denver, Colo. Unit for crushing and distributing powdered stone in coal mines. 1,631,233; June 7.
Tew, James D., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing method and apparatus. 1,631,707; June 7.
Tewksbury, Dana S., and A. E. Newton, Kankakee, Ill. Furnace-door mounting. 1,631,840; June 7.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,631,841; June 7.
Thompson, Howard A., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,631,842; June 7.
Thompson, John M. and W. H., Buffalo, N. Y. Pine-line-cleaning device. 1,631,562; June 7.
Thompson, William H. (See Thompson, John M. and W. H.)
Thomson, Herbert G., New York, N. Y., assignor to Anchor Post Fence Company, Garwood, N. J. Fence-fastening device. 1,631,942; June 7.
Thornton, William, Salt Lake City, Utah. Flexible wheel. 1,631,349; June 7.
Thortvedt, Goodwin, Glyndon, Minn. Tractor potato digger. 1,631,234; June 7.
Threadgill, William A., Miami, Fla. Concrete block mold. 1,631,901; June 7.
Thurlow, William E., et al. (See Frost, Walter E., assignor.)
Till, Steven L., Chicago, Ill. Boiler feed trap. 1,631,708; June 7.
Timeus, Andrew, Sidney, Ohio. Locking mechanism for shock ropes. 1,631,439; June 7.
Timken-Detroit Axle Company, The. (See Alden, H. W., and Hufferd, assignors.)
Tiranty, Phillippe H. L. (See Conti, J. T. F., and Tiranty.)
Tishlarich, Ottmar M. (See Hall, J. A., jr., and Tishlarich.)

Titus, John E., Chicago, Ill. Automatic adjuster for push rods. 1,631,563; June 7.
Tohlin, Theodor. (See D'Olier, W. L., and Tohlin.)
Toulmin, Harry A., jr., Dayton, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,631,709; June 7.
Tranides, Elias, New York, N. Y. Detachable heel. 1,631,710; June 7.
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Radiator tank. 1,631,711; June 7.
Trefzger, Herbert, Melrose Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Loading battery boxes. 1,631,658; June 7.
Tresise, Raleigh E. (See Scott, W. M., and Tresise.)
Trico Products Corporation. (See Folberth, Frederick G. and W. M., assignors.)
Trumble, John T., Detroit, Mich. Clutch. 1,631,235; June 7.
Turner, David E., London, England. Tip-up and like chair. 1,631,440; June 7.
Tutton, Harry V. (See Johanson, Adolph T., assignor.)
Twyman, B. Wickliffe, Columbus, Ohio, and R. B. Burton, Indianapolis, Ind. Automatic brake for vehicles. 1,631,902; June 7.
Uffert, Walter B., Lynbrook, N. Y. Automatic shaft lock for automobiles. 1,631,843; June 7.
Uline Ice-Scoring Machine Company, The. (See Happel, Albert W., assignor.)
Underwood Typewriter Company. (See Lane, William E., assignor.)
Underwood Typewriter Company. (See Rothermund, Werner F., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Penrod, Melvin A., assignor.)
Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
United Autographic Register Company. (See Barker, W. R., and Jensen, assignors.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Burgoyne, assignors.)
United States Chain & Forging Company. (See McGowen, William R., assignor.)
U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
United States Tent & Awning Company. (See Leffert, Charles B., assignor.)
U. S. Tool Company. (See Koch, Frederick, assignor.)
Urquhart, William R., Los Angeles, Calif., C. W. Post, Chicago, Ill., D. E. Humphrey, Cuyahoga Falls, and C. C. Van Arsdale, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber articles. 1,631,943; June 7.
Vacuum Oil Company. (See Martin, Charles E., assignor.)
Valle-Kimes Company, The. (See Masters, John H., assignor.)
Van Allen, George L. (See Colby, E. A., Maeulen, and Van Allen.)
Van Arsdale, Clarence C. (See Urquhart, W. R., Post, Humphrey, and Van Arsdale.)
Van der Lande, Johannes A. L., Devanter, Netherlands, assignor, by mesne assignments, to Novadel Process Corporation, Buffalo, N. Y. Stable peroxidized composition and making same. 1,631,903; June 7.
Van Raalte, Diederik L. H., Vlissingen, Netherlands. Valve for making connection between underground main piping and underground branch piping. 1,631,564; June 7.
Vapor Car Heating Company. (See Russell, E. A., and Parks, assignors.)
Vereinigte Aluminium-Werke A. G. (See Fuss, Vincenz, assignor.)
Vicars, Edward L., Earlestown, England. Biscuit-making and the like machine. 1,631,441; June 7.
Vinz, Edward W., Minneapolis, Minn. Storm window. 1,631,777; June 7.
Visking Corporation. (See Freund, Erwin O., assignor.)
Von Dabrowski, Lothar, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y. Refrigerator car. 1,631,297; June 7.
Vulcan Last Company, The. (See Toulmin, Harry A., jr., assignor.)
Wagich, Peter, Connaught, British Columbia, Canada. Smoke-extracting device for tunnels. 1,631,442; June 7.
Wagner, Richard, Flint, Mich. Automobile hood latch. 1,631,508; June 7.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,631,565; June 7.
Walker, George S. (See Cook, C. C., and Walker.)
Wallace, Charles F., Westfield, assignor to Wallace & Tierman Products, Belleville, N. J. Stand for posters. 1,631,608; June 7.
Wallace, Robert G., Ben Avon, assignor to National Fire Proofing Company, Pittsburgh, Pa. Wall construction. 1,631,659; June 7.
Wallace & Tierman Products. (See Wallace, Charles F., assignor.)
Waller, Alfred E., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Rheostat. 1,631,168; June 7.
Wallis, George L., Bromley, England. Motor cycle. 1,631,443; June 7.
Walsh, Robert C., St. Louis, Mo. Merchandise cabinet. 1,631,844; June 7.
Walter, Frank, Los Angeles, Calif. Telephone and cap therefor. 1,631,350; June 7.
Walther, George, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Producing of cast-metal wheels. 1,631,712; June 7.
Walton, Robert T., Philadelphia, Pa. Rotatable flag support. 1,631,566; June 7.
Walton, Robert T., Philadelphia, Pa. Flag support and actuating device therefor. 1,631,567; June 7.
Ward Leonard Electric Company. (See Waller, Alfred E., assignor.)
Warmack, John, Fort Smith, Ark. Mail-box support. 1,631,904; June 7.
Warner, Clarence. (See Buvinger, G. A., and Warner.)
Warner Gear Company. (See Simpson, John M., assignor.)
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Coleman B., Norfolk, Va. Shouldering attachment. 1,631,444; June 7.
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. 1,631,660; June 7.
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Locomotive. 1,631,661; June 7.
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Mercury-tube switch. 1,631,713; June 7.
Washington, George, Brooklyn, N. Y. Collapsible camera. 1,631,298; June 7.
Washington, George, Brooklyn, N. Y. Focusing device for cameras. 1,631,299; June 7.
Washington, George, Brooklyn, N. Y. Shutter mechanism for cameras. 1,631,300; June 7.
Washington, George, Brooklyn, N. Y. Photographic camera. 1,631,301; June 7.
Washington, George, Mendham, N. Y. Film-winding spool for cameras. 1,631,302; June 7.
Washington, George, Mendham, N. J. Finding and focusing device for cameras. 1,631,303; June 7.
Watson & McDaniel Co. (See Jahn, Frederick L., assignor.)
Weber, Tobias. (See Chase, Hamilton C., assignor.)
Weightograph Company, The. (See Schaper, Harry C., assignor.)
Weise, Paul, Wiesdorf, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of chromium compounds. 1,631,170; June 7.
Weiss, Adolph, Brooklyn, N. Y. Rotary intaglio-printing machine. 1,631,169; June 7.
Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn. Utilizing wood waste. 1,631,171; June 7.
Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn. Utilizing wood waste. 1,631,172; June 7.
Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn. Wall board and making the same. 1,631,173; June 7.
Wellman, William W., Las Vegas, Nev. Locomotive feed-pump gauge. 1,631,714; June 7.
Wensley, Richard, Denver, Colo. Drum trap. 1,631,445; June 7.
Werbner, Simon, Linton, Ind. Apparatus for casting curved sterotype plates. 1,631,944; June 7.
Werner, Ralph M., Brooklyn, N. Y. Detachable shaft. 1,631,236; June 7.
Weschke, Alexander, Berlin-Schoneberg, Germany. Gymnastic implement. 1,631,388; June 7.
Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 72,809; June 7.
West Bend Equipment Corporation. (See Quade, A., and Klumb, assignors.)
West, Mary J., Nelson, England. Manufacture of caps. 1,631,389; June 7.
Western Cartridge Company. (See Olin, Franklin W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westmoreland, Earl E., and S. G. Taylor, Oil City, La. Sucker-rod elevator. 1,631,845; June 7.
Weydell, Jarl M., assignor of one-half to E. B. Stout, Indianapolis, Ind. Oil burner. 1,631,662; June 7.
White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)

White, William E., assignor to Kalman Steel Company, Chicago, Ill. Gauge and support for bars. 1,631,609; June 7.
Whitehead and Kales, Inc. (See Judd, Irving H., assignor.)
Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,631,351; June 7.
Wilburn, Sidney D., Englewood, N. J., assignor to American Telephone and Telegraph Company. Telegraph signaling system. 1,631,174; June 7.
Wilhelm, Charles, Bayville, N. J. Motor-vehicle hood cover. 1,631,663; June 7.
Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Deep-well-pump-connecting device. 1,631,390; June 7.
Williams, Edom, Louisville, Ky. Poultry feeder. 1,631,778; June 7.
Williams, John W., Buffalo, N. Y. Muffler. 1,631,391; June 7.
Williams, Samuel. (See Massey, Orren I., assignor.)
Williamson, James L., Schenectady, N. Y., assignor to General Electric Company. Pinion puller. 1,631,664; June 7.
Willoughby, Victor. (See Cooper, W. E., and Willoughby.)
Willoughby Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank car. 1,631,304; June 7.
Wilmot Engineering Company. (See Wilmot, George W., assignor.)
Wilmot, George W., assignor to Wilmot Engineering Company, Hazleton, Pa. Drive chain. 1,631,237; June 7.
Wilson, Everett C., et al. (See Sprague, Earl V., assignor.)
Wilson, Harvey B., Athens, Ill. Radiator guard. 1,631,846; June 7.
Winchester Repeating Arm Co. (See Burton, Frank F., assignor.)
Wing, Clarence G., Lakewood, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio. Arm for lighting fixtures or similar articles. Des. 72,810; June 7.
Winkler, Charles E., New York, N. Y. Stiletto. 1,631,175; June 7.
Winn, Sidney B., Lapeer, Mich. Tractor trailer coupler. 1,631,847; June 7.
Wintrop, Jacob M., Philadelphia, Pa. Electric iron. 1,631,779; June 7.
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Apparatus for vaporizing hydrocarbon fuel. 1,631,176; June 7.
Wirz, A. H., Inc. (See Barker, Edwin H., assignor.)
Wood Conversion Company. (See Schorger, Arlie W., assignor.)
Wood Conversion Company. (See Weiss, Howard F., assignor.)
Wood, William H., South Euclid, Ohio. Lamp. 1,631,610; June 7.
Woodman, George, Chicago, Ill. Journal-box lid. 1,631,352; June 7.
Woodman, George A., assignor to Woodman Railway Supply Company, Chicago, Ill. Journal-box lid. 1,631,353; June 7.
Woodman Railway Supply Company. (See Woodman, George A., assignor.)
Woods, Paul. (See Parsons, Albert R., assignor.)
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,631,177; June 7.
Workman, Harold, Glasgow, Scotland. Projection lamp. 1,631,905; June 7.
Worthington, Wayne H., Battle Creek, Mich., assignor to Advance-Rumely Company, La Porte, Ind. Huller. 1,631,446; June 7.
Wright, Henry A., Halls, Tenn. Railway-mail-delivery apparatus. 1,631,238; June 7.
Wright, James F., Cleveland, assignor to The McMyler Interstate Company, Bedford, Ohio. Clutch-operating mechanism. 1,631,392; June 7.
Wurdack, William, St. Louis, Mo. Combination socket-seating and fuse-testing block. 1,631,178; June 7.
Yager, Harvey J., Seattle, Wash. Portable scaffold. 1,631,848; June 7.
Yellow Coach Manufacturing Co. (See Rackham, George J., assignor.)
Yermak, William, Danbury, Conn. Beet puller. 1,631,180; June 7.
Yngve, Victor, South Orange, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry battery. 1,631,568; June 7.
Young, Raymond E. (See Chandler, F. F., and Young.)
Zaleski, Frank, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine. 1,631,179; June 7.
Zeh, Edmund W. (See Buffardi, Pasquale, assignor.)
Zeltung, Aipeck L., assignor to International Silver Company, Meriden, Conn. Display chest for silverware. 1,631,780; June 7.
Zengerle, Joseph W., Mount Pleasant, Mich., assignor to The Flowers Mausoleum Company, Toledo, Ohio. Mausoleum. 1,631,239; June 7.
Zimmermann & Jansen, Gesellschaft mit beschränkter Haftung. (See Rappold, Hermann, assignor.)
Zubrow, Hedwig, and E. Solomon, Philadelphia, Pa. Cushioning unit for vehicle tires. 1,631,447; June 7.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid, Manufacture of sulphuric. E. L. Larison. 1,631,139; June 7.
Adhesives. J. J. Harris. 1,631,265; June 7.
Adjustable wrench. V. E. Paulson. 1,631,884; June 7.
Aerofoil, Variable lift-variable resistance. W. L. Gilmore. 1,631,259; June 7.
Aeroplane. A. Bambini. 1,631,187; June 7.
Aeroplane. L. Raynolds. 1,631,603; June 7.
Agricultural instrument. C. D. Symmes. 1,631,561; June 7.
Airship, Rigid. K. Arnstein. 1,631,908; June 7.
Airships, Gas cell of rigid. K. Siller. 1,631,895; June 7.
Alloys, Improving aluminum. V. Fuss. 1,631,930; June 7.
Amalgamating machine. C. E. Smith. 1,631,434; June 7.
Ammonia from gases containing same, Recovering. R. O. E. Davis and L. B. Olmstead. 1,631,720; June 7.
Anthraquinone paste and making the same. W. M. Grosvenor and V. P. Gershon. 1,631,589; June 7.
Antiskidding device. S. D. Jacobson. 1,631,207; June 7.
Ash receiver and match box, Combined. A. W. Rosen. Des. 72,803; June 7.
Atomizers and the like, Control means for regulating the output of. F. B. Comins. 1,631,475; June 7.
Attrition mill. W. Loken. 1,631,422; June 7.
Auto crank, Antikick. N. Saio. 1,631,649; June 7.
Automatic switch. C. R. Sipe. 1,631,506; June 7.
Automobile chassis, Lubricating means for. E. M. Six. 1,631,650; June 7.
Automobile locking means. W. Hemingway, jr. 1,631,267; June 7.
Automobile oil-drain device. E. E. and C. I. Hiscox. 1,631,129; June 7.
Automobile radiator shield. H. L. Curran. 1,631,948; June 7.
Automobile signal. J. T. Christian. 1,631,471; June 7.
Automobile transmission. J. M. Simpson. 1,631,938; June 7.
Automobiles, Automatic shaft lock for. W. B. Uffert. 1,631,843; June 7.
Automobiles, Brake for. H. W. Alden and G. Hufferd. 1,631,448; June 7.
Automobiles, Fender attachment for. H. H. Irwin and W. A. Carpenter. 1,631,417; June 7.
Automobiles, Knockdown bed frame for. T. E. Carrigan. 1,631,620; June 7.
Awning and side wall panel for summer or outing houses or cottages, Combination. C. B. Leffert. 1,631,214; June 7.
Bags, Machine for making paper. D. Appel. 1,631,452; June 7.
Baking pan, Covered. A. Katzinger. 1,631,734; June 7.
Ball bladder, Game. G. L. Lawrence, jr. 1,631,740; June 7.
Banjo. H. H. Slingerland. 1,631,293; June 7.
Bar cuff link. E. F. Clark. 1,631,246; June 7.
Bar structure, Connected. H. Nagin. 1,631,691; June 7.
Bars, Gauge and support for. W. E. White. 1,631,609; June 7.
Baseball center and producing the same. W. H. Fox. 1,631,317; June 7.
Bathroom wall fixture. S. E. Sharwood. Des. 72,804; June 7.
Batteries, Postive elctrode for electric. R. Oppenheim. 1,631,642; June 7.
Battery: *See*—
  Dry battery. Storage battery.
Battery boxes, Loading. H. Trefzger. 1,631,658; June 7.
Battery separator, Wooden. E. S. Humboldt. 1,631,867; June 7.
Bearing-adjusting means, External. G. W. Sponable. 1,631,557; June 7.
Bearing application, Antifriction. F. H. Gibbs. 1,631,318; June 7.
Bearing for grain separators. P. F. Gruver. 1,631,810; June 7.
Bearing with rolling memoers. L. Rouanet. 1,631,763; June 7.
Bearings, Oiling system for. P. E. Matthews. 1,631,217; June 7.
Bed-bottom fabric. R. Bradshaw. 1,631,852; June 7.
Bed, Davenport. T. S. Morrison. 1,631,600; June 7.
Bed frame, Knockdown. T. E. Carrigan. 1,631,621; June 7.
Bed, Hospital. J. C. Pow. 1,631,888; June 7.
Beet puller. W. Yermak. 1,631,180; June 7.
Belt sander, Portable. H. A. Swan. 1,631,898; June 7.
Belting. W. M. Cavanaugh. 1,631,580; June 7.
Bench clamp. M. E. Olson. 1,631,428; June 7.
Biscuit-making and the like machine. E. L. Vicars. 1,631,441; June 7.
Bit: *See*—
  Drill bit.
Blank-feeding device. W. Owen. 1,631,150; June 7.
Block: *See*—
  Socket-seating and fuse-testing block.
Blood-testing device. C. E. Roderick. 1,631,553; June 7.
Board: *See*—
  Ironing board.
Boat. T. B. Collins. 1,631,400; June 7.
Boiler: *See*—
  Steam boiler.
Boiler. F. O. Pahmeyer. 1,631,328; June 7.
Boiler elements, Connecting nipple for cast-iron heating-. A. Brahm. 1,631,911; June 7.
Boiler feed trap. S. L. Till. 1,631,708; June 7.
Boiler-tube-cutting device. F. W. Larc. 1,631,495; June 7.
Bolt: *See*—
  Take-up bolt.
Bookcase. G. B. Cleveland. 1,631,622; June 7.
Boots, Calk attachment for. J. W. McNeill and J. Michelsen. 1,631,877; June 7.
Bottle-capping utensil. R. E. Reardon. 1,631,289; June 7.
Bottle, Heat-insulating. A. Günther and R. Gertioff. 1,631,413; June 7.
Bottle stopper, Dispensing. E. H. Barker. 1,631,784; June 7.
Bottling machine. A. F. Hoffman. 1,631,530; June 7.
Box: *See*—
  Journal box. Paper box.
Box-making machine. W. S. Cleaves. 1,631,518; June 7.
Boxes, Appliances for making set-up. E. W. Labombarde. 1,631,492; June 7.
Brace: *See*—
  Rail brace.
Braiding carrier. A. C. Hopkins. 1,631,634; June 7.
Brake: *See*—
  Ground brake. Tractor brake.
  Hydraulic brake. Vehicle brake.
Brake. E. C. Le Munyon and H. N. Moore. 1,631,540; June 7.
Brake accelerator for single-chamber compressed-air brakes. W. Hildebrand. 1,631,815; June 7.
Braking mechanism. E. C. Gartin. 1,631,369; June 7.
Brick, Baking. J. D. McLauchlin. 1,631,144; June 7.
Brick-making machine. R. P. M. Davis. 1,631,251; June 7.
Broaching tool. G. H. Richey. 1,631,693; June 7.
Broiling apparatus. J. C. Sunderland and J. F. Costelow. 1,631,655; June 7.
Broom. W. A. Brown. 1,631,465; June 7.
Broom, Reversible. W. Dupré. 1,631,253; June 7.
Brush. C. H. Struble and S. W. Hall. 1,631,560; June 7.
Buckle, Bale-band. T. J. M. Daly. 1,631,402; June 7.
Bumper. O. E. Stokes. 1,631,653; June 7.
Bumper, Automobile. W. R. McGowen. 1,631,640; June 7.
Bunch former. C. A. Rinker. 1,631,760; June 7.
Burner: *See*—
  Fuel burner. Oil burner.
Button, Cuff. G. W. Brown. 1,631,912; June 7.
Cabinet. C. E. Campbell. 1,631,718; June 7.
Cabinet. W. E. Hinson. 1,631,202; June 7.
Cabinet, Merchandise. R. C. Walsh. 1,631,844; June 7.
Cabinet, Paper-cutting. I. R. Sunday. 1,631,776; June 7.
Callpers. H. A. St. John and J. F. Griffin. 1,631,896; June 7.
Came machine. W. Henderson. 1,631,814; June 7.
Camera, Collapsible. G. Washington. 1,631,298; June 7.
Cameras, Film-winding spool for. G. Washington. 1,631,302; June 7.
Cameras, Finding and focusing device for. G. Washington. 1,631,303; June 7.
Cameras, Focusing device for. G. Washington. 1,631,299; June 7.
Cameras, Photographic. G. Washington. 1,631,301; June 7.
Cameras, Shutter control for. R. W. Smith. 1,631,435; June 7.
Cameras, Shutter mechanism for. G. Washington. 1,631,300; June 7.

Candelabrum. S. Szigethy. 1,631,232; June 7.
Caps, Manufacture of. M. J. West. 1,631,389; June 7.
Car, Cane. T. W. Elder, jr. 1,631,311; June 7.
Car construction. J. F. Streib. 1,631,437; June 7.
Car couplers, Centering device for. A. E. Small. 1,631,295; June 7.
Car couplers, Device for operating. A. E. Small. 1,631,294; June 7.
Car-end construction. A. E. Ostrander. 1,631,827; June 7.
Car, Mine. H. P. Field. 1,631,313–14; June 7.
Car, Mine. W. V. Johnson and J. L. McDowell. 1,631,320; June 7.
Car, Motor. P. Jaray. 1,631,269; June 7.
Car, Multiple-unit tank. W. E. Cooper and V. Willoughby. 1,631,307; June 7.
Car, Plate-glass-surfacing. A. L. Harrington. 1,631,126; June 7.
Car, Refrigerator. L. von Dabrowski. 1,631,297; June 7.
Car-roof construction. K. M. Hamilton. 1,631,860; June 7.
Car, Sectional railway. A. H. Smith. 1,631,164; June 7.
Car, Sectional refrigerator. A. H. Smith and E. G. Miner. 1,631,165; June 7.
Car, Tank. V. Willoughby. 1,631,304; June 7.
Car underframe. P. Klemoff. 1,631,685; June 7.
Cars, End structure for railway. R. D. Hawkins. 1,631,812; June 7.
Cars, Hatch-cover-operating means for refrigerator. W. F. Dietrichson. 1,631,309; June 7.
Cars, Metal roof for freight. G. G. Gilpin. 1,631,260; June 7.
Cars, Supporting mechanism for dump. W. L. Burner and O. E. Kantenwein. 1,631,241; June 7.
Carburetor. F. Baverey. 1,631,716; June 7.
Carburetor. F. Day. 1,631,923; June 7.
Carburetor. W. T. Simpson. 1,631,701; June 7.
Card system, Visible. F. H. Johnston. 1,631,732; June 7.
Carriage, Collapsible baby. A. Meiniker and S. Calmanson. 1,631,408; June 7.
Carrier: *See*—
  Braiding carrier. Clothing and package carrier.
Carrousel. A. Pinto. 1,631,331; June 7.
Carton, Egg. E. Schinscholl. 1,631,554; June 7.
Case. M. J. Greubel. 1,631,371; June 7.
Case: *See*—
  Vanity case.
Casing and making the same. C. B. Alexander. 1,631,611; June 7.
Cash drawer, Autographic-register. W. R. Barker and L. Jensen. 1,631,395; June 7.
Casting machine. W. J. Christie. 1,631,399; June 7.
Cellulose-acetate composition of low inflammability. S. J. Carroll. 1,631,468; June 7.
Cementing composition, Waterproof. G. F. Dreher. 1,631,671; June 7.
Ceramic material. J. A. Jeffery and E. T. Montgomery. 1,631,730; June 7.
Ceramics and the like, Apparatus and process for burning. H. Koppers. 1,631,536; June 7.
Cereal beverage compound. L. A. Negly and P. S. Black. 1,631,829; June 7.
Cereal beverage compounds, Preparing. L. A. Negly and P. S. Black. 1,631,830; June 7.
Chain, Drive. G. W. Wilmot. 1,631,237; June 7.
Chain idler, Double adjustable drive-. H. G. Gay. 1,631,258; June 7.
Chair: *See*—
  Convertible chair. Tip-up and like chair.
Change-returning device. L. B. Nordlund. 1,631,326; June 7.
Check protector. R. I. Harris. 1,631,863; June 7.
Chromium compounds, Manufacture of. P. Weise. 1,631,170; June 7.
Chuck. J. F. Morgal. 1,631,499; June 7.
Cigarette lighter. D. S. and A. P. Brush. 1,631,514; June 7.
Circuit closer, Time-operated. G. F. Rauch. 1,631,644; June 7.
Circuits, Trunk. G. H. Peterson. 1,631,153; June 7.
Clamp: *See*—
  Bench clamp. Embroidery hook clamp.
Clamp connecter, Ground-. E. F. Potter. 1,631,288; June 7.
Clamping device. R. E. Beegle. 1,631,396; June 7.
Clasp: *See*—
  Corset clasp.
Clay columns, Apparatus for scarifying plastic. J. B. Nicholson. 1,631,220; June 7.
Cleaner: *See*—
  Vacuum cleaner. Windshield cleaner.
Clip for hair-waving sachets. I. B. Calvete. 1,631,793; June 7.
Clock case. J. Kernes. Des. 72,797; June 7.
Cloth boards, etc., Method and mechanism for covering. H. B. Smith. 1,631,940; June 7.
Clothing and package carrier. O. I. Massey. 1,631,543; June 7.
Clutch. J. T. Trumble. 1,631,235; June 7.
Clutch-operating mechanism. J. F. Wright. 1,631,392; June 7.
Clutch pedals, Lever control for. H. J. England. 1,631,929; June 7.
Coffee and tea pot, Combined. C. Griffin. 1,631,932; June 7.
Coffeepot. L. W. Hyde. 1,631,486; June 7.
Commutator and making same. L. Bonsieur. 1,631,461; June 7.
Compressor. H. C. Marcus and W. Fourness. 1,631,425; June 7.
Concrete-block mold. W. A. Threadgill. 1,631,901; June 7.
Concrete form. T. M. Jones. 1,631,825; June 7.
Concrete slabs, Device for connecting the abutting ends of. C. E. Bowers. 1,631,576; June 7.
Condenser, Electric. W. R. G. Baker. 1,631,665; June 7.
Condenser, Surface. R. Lorenz. 1,631,141; June 7.
Condenser, Variable. R. L. Aspden. 1,631,453; June 7.
Condenser, Variable. G. H. Clark. 1,631,360; June 7.
Condenser, Variable. A. Leib. 1,631,599; June 7.
Condenser, Variable. E. B. Lewis. 1,631,636; June 7.
Condenser, Variable. E. J. Schroder. 1,631,226; June 7.
Condenser, Vernier. F. Koch. 1,631,738; June 7.
Condensers, Condenser-operating mechanism for variable. M. H. Bennett. 1,631,788; June 7.
Connector, Resilient. C. R. Short. 1,631,228; June 7.
Connecting device. H. P. Chandler. 1,631,719; June 7.
Container. W. Nell. 1,631,935; June 7.
Container and blanks therefor, Corrugated-board. C. H. Crowell. 1,631,521; June 7.
Convertible chair. E. Guenther. 1,631,811; June 7.
Conveyer. W. F. Hall. 1,631,124; June 7.
Cooking apparatus. P. T. Jackson. 1,631,418; June 7.
Core, Collapsible. C. H. Terry. 1,631,838; June 7.
Corset clasp. A. Kautzsch. 1,631,535; June 7.
Counter and heel guard. M. M. Doran. 1,631,310; June 7.
Counting and indicating mechanism. A. Broadmeyer. 1,631,616; June 7.
Coupling: *See*—
  Flexible coupling. Pipe float coupling.
  Pipe coupling. Sleeve coupling.
Cream separator. E. H. Fahrney. 1,631,194; June 7.
Cup: *See*—
  Grease cup.
Current motor. H. W. Robinson. 1,631,647; June 7.
Curtain supporter. A. Monich. 1,631,219; June 7.
Cutter: *See*—
  Molding cutter.
Cutting tool. J. H. Montstream. 1,631,641; June 7.
Cutting tools, Forming. A. W. Cochran. 1,631,623; June 7.
Dashboard control. G. F. Long. 1,631,277; June 7.
Decoration, Table. G. Gerlinger. 1,631,631; June 7.
Demountable rim. F. D. Allen. 1,631,906; June 7.
Dental equipment stand, Base assembly for. R. C. Angell. Des. 72,785; June 7.
Dental X-ray-film package. H. I. Marler. 1,631,497; June 7.
Derrick. C. E. Ranney. 1,631,156; June 7.
Detonator package. F. W. Olin. 1,631,756; June 7.
Dial. R. H. Langley. 1,631,687; June 7.
Die-casting machine. T. C. Korsmo. 1,631,686; June 7.
Die head. H. T. Shearer. 1,631,556; June 7.
Digger: *See*—
  Peanut and potato digger. Potato digger.
Direct mixer. F. and J. Dietrich and W. E. Miner. 1,631,584; June 7.
Dirigible-light mounting. R. R. Freund. 1,631,480; June 7.
Disk wheel, Fabric. J. H. Doty. 1,631,928; June 7.
Dispensing apparatus. S. Schreiber. 1,631,430; June 7.
Display chest for silverware. A. L. Zietung. 1,631,780; June 7.
Display device. J. B. Barnett. 1,631,785; June 7.
Disruptive effects, Method of and apparatus for obtaining. J. M. Sheedy and W. Myers. 1,631,290; June 7.
Distribution, System of. T. F. Barton. 1,631,715; June 7.
Distributor mounting. B. H. Anibal. 1,631,185; June 7.
Ditching machine. W. H. McDonald. 1,631,639; June 7.
Doll. J. M. Bell. Des. 72,787; June 7.
Door lock, Car-. T. W. Elder, jr. 1,631,312; June 7.
Door mounting, Furnace-. D. S. Tewksbury and E. Newton. 1,631,840; June 7.
Door-operating mechanism. F. P. Angell. 1,631,907; June 7.
Door-operating mechanism. S. B. Haseltine. 1,631,127; June 7.
Door-operating mechanism, Lock for car-. A. Kassler. 1,631,321; June 7.
Drawer pull. E. L. Knapp. Des. 72,798; June 7.
Dress. T. Davis. 72,792; June 7.
Drill bit, Reamer. A. D. Alford. 1,631,449; June 7.
Drill holder. F. J. Peters. 1,631,286; June 7.
Drilling machine, Radial. G. Feather. 1,631,256; June 7.
Drilling mechanism, Holder for. E. C. Holmes. 1,631,683; June 7.
Drive-shaft puller. W. J. Rappley. 1,631,889; June 7.
Driving mechanism, Yielding rotary. F. R. Simms. 1,631,433; June 7.
Drum or pulley attachment. S. A. Taljan. 1,631,899; June 7.
Drum trap. R. Wensley. 1,631,445; June 7.
Dry battery. V. Yngve. 1,631,568; June 7.
Dry cell. W. F. Hendry. 1,631,200; June 7.
Dry cell. W. F. Hendry. 1,631,528; June 7.
Drying apparatus. F. Head. 1,631,483; June 7.

Dyestuff of the 2-thionaphthene-2-indolindigo series. Violet vat. R. Herz. 1,631,865; June 7.
Dynamometer, Deflection. E. M. Matthews and J. A. Carr. 1,631,143; June 7.
Eccentric, Adjustable. P. Buffardi. 1,631,406; June 7.
Electric hair curler. A. J. Buchl. 1,631,189; June 7.
Electric heater. W. E. Hudson. 1,631,484; June 7.
Electric heater. B. Midulla. 1,631,753; June 7.
Electric iron. J. M. Wintrob. 1,631,779; June 7.
Electric-machine armatures and windings for same, Building dynamo-. V. G. Apple. 1,631,186; June 7.
Electric machine, Dynamo-. E. R. Knight. 1,631,737; June 7.
Electric machinery, Cooling. R. Rüdenberg. 1,631,765; June 7.
Electric machines, Protective device for dynamo-. H. C. Hastings and C. J. Sarjeant. 1,631,726; June 7.
Electric-meter cover. J. L. Hoyle. 1,631,684; June 7.
Electric switch. G. A. Burnham. 1,631,913; June 7.
Electric switch. J. D. Hilliard. 1,631,681; June 7.
Electric switch. G. B. Thomas. 1,631,841; June 7.
Electrical-conduit-crossover system. J. Schilz. 1,631,224; June 7.
Electrical connection. C. C. Berry. 1,631,575; June 7.
Electrical connection. P. Roberg. 1,631,550; June 7.
Electrical connector. M. U. Caillau. 1,631,914; June 7.
Electrical discharges, Regulator for. W. D. Coolidge. 1,631,626; June 7.
Electrical supply, System of. H. Bénit. 1,631,574; June 7.
Electrical switch. E. H. Jacobs. 1,631,268; June 7.
Electrical system. M. Latour. 1,631,213; June 7.
Electromagnetic device producing a constant moving force. A. Epitaux. 1,631,801; June 7.
Electroplating machine. W. F. Hall. 1,631,199; June 7.
Electrostatic relay device. S. Ruben. 1,631,764; June 7.
Elevator: *See*—
Ladle elevator. Sucker-rod elevator.
Elevators, Brake for. J. M. Rohlfing. 1,631,340; June 7.
Elevators, Collapsible handle for portable. F. L. Eldmann. 1,631,477; June 7.
Embroidery-hoop clamp. C. D. Baldwin. 1,631,355; June 7.
Engine: *See*—
Internal-combustion engine. Steam engine.
Engines, Charge-forming device for internal-combustion. E. C. Collard. 1,631,362; June 7.
Engines, Humidifying device for use with internal-combustion. A. J. Coppock. 1,631,308; June 7.
Engines, Starter for internal-combustion. F. W. Maby. 1,631,747; June 7.
Engines, Valve mechanism for internal-combustion. G. Fornaca. 1,631,410; June 7.
Envelope machine. A. Novick. 1,631,146; June 7.
Fabric for garment construction, Reenforced. E. M. Orlow. 1,631,601; June 7.
Fan, Electric. E. Goldfain and S. Fowler. 1,631,411; June 7.
Faucet, Dispensing. W. E. Patnaude. 1,613,548; June 7.
Favor. M. L. and M. M. Horner. 1,631,205; June 7.
Feeder, Automatic. L. K. Aldrich. 1,631,181; June 7.
Feeder, Chicken. W. D. Botterbusch. 1,631,462; June 7.
Feeder, Glass. L. D. Soubier. 1,631,230; June 7.
Feeder, Poultry. E. Williams. 1,631,778; June 7.
Felted fabric and the manufacture thereof. E. A. Perogio. 1,631,692; June 7.
Fence-fastening device. H. G. Thomson. 1,631,942; June 7.
Fence post. C. K. Jackson. 1,631,820; June 7.
File. W. R. King. 1,631,212; June 7.
File. M. E. Nordan. 1,631,882; June 7.
Film-feeding apparatus. F. J. Kincade. 1,631,137; June 7.
Film holder, Cut-. W. F. Folmer. 1,631,479; June 7.
Film-type evaporator, Vertical. L. E. Sebald. 1,631,162; June 7.
Filter, Oil. E. Knegi. 1,631,594; June 7.
Finger ring. S. Grossman. Des. 72,795–6; June 7.
Finger ring. A Shiman. Des. 72,805–8; June 7.
Firearm, Bolt-action. F. F. Burton. 1,631,242; June 7.
Fireplace. W. W. Guy. 1,631,123; June 7.
Fireplace structure, Domestic. N. Robertson. 1,631,696; June 7.
Fishing reel. J. Brislin. 1,631,790; June 7.
Fitting cooperating bodies. C. S. Brown. 1,631,359; June 7.
Flag support and actuating device therefor. R. T. Walton. 1,631,567; June 7.
Flag support, Rotatable. R. T. Walton. 1,631,566; June 7.
Flax and other plants, Machine for harvesting. S. Allingham. 1,631,612; June 7.
Flexible coupling. C. Froesch. 1,631,196; June 7.
Flexible wheel. W. Thornton. 1,631,349; June 7.
Floor-laying machine. H. H. Payzant. 1,631,501; June 7.
Flotation apparatus. T. M. Owen and M. P. Dalton. 1,631,382; June 7.
Flow meter. G. P. Luckey. 1,631,746; June 7.
Flowerpot. F. Evert. 1,631,802; June 7.
Flying machine. A. Hanschke, neé Sachs. 1,631,861; June 7.
Food product and product resulting therefrom, Preparing a. S. Gelfand. 1,631,858; June 7.
Frame: *See*—
Bed frame. Truck frame.
Lens frame.
Frame. M. M. Gillette. 1,631,807; June 7.
Frankfurter-roll-forming machine. K. Scherdel. 1,631,697; June 7.
Fruit, Making glacé. E. E. Jacobs. 1,631,487; June 7.
Fruit scrubber and polisher. H. T. Demarest. 1,631,925; June 7.
Fuel burner, Centrifugal fluid-. F. S. Denison. 1,631,404; June 7.
Fuel-burning apparatus, Liquid-. G. E. Goodridge. 1,631,859; June 7.
Fuel feeder, Pulverized-. H. R. Collins. 1,631,119; June 7.
Fuel feeding and metering system and apparatus. T. A. Banning, jr. 1,631,356; June 7.
Fur-sewing machines, Needle plate for. H. Ross. 1,631,605; June 7.
Furnace: *See*—
Muffle furnace.
Furnace. E. Barelman. 1,631,116; June 7.
Furnace igniter. F. P. Terry. 1,631,348; June 7.
Furnace system, Electric. J. Beckmann. 1,631,667; June 7.
Furnaces, Chain grate for. A. L. Morgan. 1,631,282; June 7.
Fuse. C. E. Bennett. 1,631,851; June 7.
Fuse, Electric. G. R. Brown. 1,631,669; June 7.
Fuses within guns, Mechanism for setting. J. C. Karnes. 1,631,211; June 7.
Fusible material, Machine for working cylindrical members of. P. A. Favre. 1,631,674; June 7.
Game apparatus. A. J. Stevens. 1,631,558; June 7.
Game, Educational. I. B. Samis. 1,631,505; June 7.
Garter. C. Glowacki. 1,631,261; June 7.
Gases, Purifying. J. Jannek. 1,631,823; June 7.
Gate: *See*—
Traffic gate.
Gauge: *See*—
Locomotive-feed-pump gauge.
Gauge rod. N. E. Salsich. 1,631,769; June 7.
Gear puller. H. J. Knight. 17,631,872; June 7.
Gearing, Transmision. J. M. Simpson. 1,631,937; June 7.
Gears, Lubrication system for train of. J. G. Krenzke. 1,631,537; June 7.
Glass, Apparatus for drawing sheet. J. S. Gregorius. 1,631,319; June 7.
Glass-drawing apparatus. W. G. Koupal and J. S. Gregorius. 1,631,138; June 7.
Glass, Drawing sheet. E. T. Ferngren. 1,631,805; June 7.
Glass-forming apparatus. O. A. Hanford. 1,631,633; June 7.
Glass, Method and apparatus for producing sheet. E. T. Ferngren. 1,631,804; June 7.
Glass, Process and apparatus for melting. H. K. Hitchcock. 1,631,204; June 7.
Glass, Skimming. W. A. Rhoades and T. C. McKinley. 1,631,759; June 7.
Glasses and bottle, Holder for. S. W. Farber. Des. 72,794; June 7.
Glove, Baseball. P. and B. Kennedy. 1,631,735; June 7.
Golf club. C. H. Redman. 1,631,504; June 7.
Golf-club shaft. R. B. Dickinson, jr. 1,631,926; June 7.
Golf tee. E. H. Jones. 1,631,270; June 7.
Grader. W. F. Christel. 1,631,517; June 7.
Grain weigher. W. Langerak. 1,631,376; June 7.
Grate, Revolving. E. R. Moore. 1,631,427; June 7.
Grease cup. J. W. Rhoades. 1,631,158; June 7.
Grinding machine. W. J. Baumberger. 1,631,188; June 7.
Grinding machine, Gyratory. C. M. Conradson. 1,631,247; June 7.
Grinding machines, Knife-grinding attachment for meat-. G. S. Klein. 1,631,491; June 7.
Grinding wheels and applying the same, Bond for elastic. E. Anderson. 1,631,113; June 7.
Ground brake. C. E. Atwood. 1,631,115; June 7.
Gun barrels, Method of and apparatus for cooling. W. R. Bull. 1,631,190; June 7.
Gymnastic implement. A. Weschke. 1,631,388; June 7.
Hair curler and waver. G. W. Anderson. 1,631,781; June 7.
Hair-waving apparatus. H. B. Baird. 1,631,571; June 7.
Hand guard. C. G. Hinze. 1,631,128; June 7.
Hanger or support, Adjustable. C. E. Jewell. 1,631,209; June 7.
Hat, Lady's trimmed. E. M. Ach. 1,631,945; June 7.
Headlight construction for automobiles, Dirigible. F. Greenlee. 1,631,412; June 7.
Headlight, Locomotive. C. Aalborg. 1,631,112; June 7.
Headlight reflector. E. J. Richards. 1,631,159; June 7.
Headlights, Shield for automobile. C. P. Hoefer. 1,631,130; June 7.
Headwear. A. Johnson. 1,631,210; June 7.
Heater: *See*—
Electric heater. Water heater.
Heaters used in connection with blast furnaces, Working blast. H. Rappold. 1,631,950; June 7.
Heating device. H. W. Atwood. 1,631,614; June 7.
Heating system, Electric. W. E. Hudson. 1,631,485; June 7.
Heel, Detachable. E. Tranides. 1,631,710; June 7.

Hinge. F. W. Fahrenfeld. 1,631,365; June 7.
Hinge with automatic lifting and locking means. J. L. C. Heinz. 1,631,527; June 7.
Hollowware, Method and apparatus for forming. H. Lundgren. 1,631,496; June 7.
Hook: *See*—
Swivel hook.
Hopper construction. F. N. Ross. 1,631,160; June 7.
Hose support, Sprinkling-. H. P. Arnt. 1,631,849; June 7.
Hose-supporter structure. C. J. Hazelton. 1,631,813; June 7.
Huller. F. H. Moening. 1,631,426; June 7.
Huller. W. H. Worthington. 1,631,446; June 7.
Hydraulic brake. F. Dotsch. 1,631,800; June 7.
Hydraulic internal reaction propulsion, Arrangement for. O. Angelini. 1,631,783; June 7.
Hydrocarbon fuel, Apparatus for vaporizing. G. Wirrer. 1,631,176; June 7.
Hydrocarbon motor. L. M. Woolson. 1,631,177; June 7.
Illuminating and heating device. J. J. Rekar. 1,631,645; June 7.
Illuminating apparatus. L. A. Jones. 1,631,488; June 7.
Illuminating device for projection purposes. R. M. Hill. 1,631,529; June 7.
Index, Visible. W. C. Clark. 1,631,473; June 7.
Indicator: *See*—
Liquid-level indicator. Speed indicator.
Infant's conveyance. S. Nistler. 1,631,546; June 7.
Insect destroyer. E. Eckl. 1,631,121; June 7.
Insulating material, Ceramic. J. A. Jeffery and E. T. Montgomery. 1,631,729; June 7.
Internal-combustion engine. J. E. Blanding. 1,631,615; June 7.
Internal-combustion engine. L. H. Dyer. 1,631,120; June 7.
Internal-combustion engine. B. Jerome. 1,631,208; June 7.
Internal-combustion engine. E. Sokal. 1,631,702–6; June 7.
Investment composition. C. L. Corfman. 1,631,249; June 7.
Iron: *See*—
Electric iron.
Iron and steel, Producing rustless. D. W. Berlin. 1,631,512; June 7.
Iron scale, Purifying. A. Lucas. 1,631,423; June 7.
Ironer, Flat-work. J. H. Taylor. 1,631,347; June 7.
Ironing board. L. Faust. 1,631,255; June 7.
Ironing machine. F. D. Chapman. Re16,647; June 7.
Ironing machine. E. B. Decker. 1,631,363–4; June 7.
Jack: *See*—
Meat jack.
Jar lifter. J. F. Lehr, Sr. 1,631,598; June 7.
Jars, Cap fastening means for preserving. L. O. Culver. 1,631,522; June 7.
Journal box. G. A. Woodman. 1,631,353; June 7.
Journal-box lid. G. Woodman. 1,631,352–3; June 7.
Kerchief, Display. L. A.-Campbell. 1,631,398; June 7.
Knitting machine, Circular. H. E. Houseman. 1,631,816–17; June 7.
Lace fabric and producing same. S. Pepper. 1,631,886; June 7.
Ladder. T. H. Curtis. 1,631,922; June 7.
Ladders, Extension-leg attachment for. F. F. Berry. 1,631,513; June 7.
Ladle elevator. J. M. Rohlfing. 1,631,339; June 7.
Lamp. W. H. Wood. 1,631,610; June 7.
Lamp, Focusing. C. E. Godley. 1,631,724; June 7.
Lamp for automobiles, Dirigible. L. D. Copeland. 1,631,519; June 7.
Lamp, Projection. H. Workman. 1,631,905; June 7.
Last. H. A. Toulmin, jr. 1,631,709; June 7.
Lasts, Nailing plate for. H. O. Davis. 1,631,581; June 7.
Latch, Automobile hood. R. Wagner. 1,631,508; June 7.
Latch. One-way pull. F. W. Stahl. 1,631,229; June 7.
Latching device. M. Rasmussen. 1,631,758; June 7.
Lawn rake. O. C. Kenyon. 1,631,375; June 7.
Leaf separator. J. Gough. 1,631,198; June 7.
Leers, Control apparatus for. J. C. Parkinson. 1,631,151; June 7.
Lens frame, Ophthalmic test-. C. M. Stevenson. 1,631,559; June 7.
Life-saving device. J. Mandy. 1,631,279; June 7.
Lifter: *See*—
Jar lifter.
Lighting fixture or the like, Arm for a. M. Peinlich. Des. 72,801; June 7.
Lighting fixtures, Canopy for electric. J. A. Boehringer. Des. 72,788; June 7.
Lighting fixtures or similar articles, Arm for. C. G. Wing. Des. 72,810; June 7.
Lighting unit. C. A. B. Halvorson, jr. 1,631,632; June 7.
Link bracelet, Expansibe. W. C. Boots. 1,631,946; June 7.
Link, Repair. S. F. Swoope. 1,631,346; June 7.
Lip atick. E. E. Morgan and W. H. Day. 1,631,283; June 7.
Liquid-dispensing apparatus. J. J. Bambach and M. W. Collins. 1,631,454; June 7.
Liquid-level indicator. R. E. Badin. 1,631,909; June 7.
Liquid-measuring tank. G. W. MacKenzie. 1,631,541; June 7.
Load equalization, Automatic. W. L. Merrill. 1,631,752; June 7.
Lock: *See*—
Car-door lock. Transmission lock.
Lock for automobiles, Steering-wheel. F. W. Stewart. 1,631,436; June 7.
Lock washer. R. T. Hosking. 1,631,415; June 7.
Locomotive. G. B. Warren 1,631,661; June 7.
Locomotive feed-pump gauge. W. W. Wellman. 1,631,714; June 7.
Locomotive or car body. B. A. Garrett. 1,631,677; June 7.
Locomotives, Safety device for. H. S. Johnson. 1,631,868; June 7.
Loom for weaving chenille, Axminster, and like carpets, blankets, and other fabrics. E. Hollingworth. 1,631,531; June 7.
Looms, Bobbin-feeding mechanism for. J. Lucas. 1,631,828; June 7.
Looms, Jacquard mechanism for. E. J. Dacey. 1,631,523; June 7.
Lotion. F. A. Richmond. 1,631,384; June 7.
Loud speaker. N. A. Kurman. Des. 72,799; June 7.
Loud speaker, Capacitatively actuated. J. Depew. 1,631,583; June 7.
Lubricator. C. Lea. 1,631,742; June 7.
Machine for coring and deringing fruit. J. R. Carroll. 1,631,854; June 7.
Machine for removing air bags from tires. H. P. Moore. 1,631,281; June 7.
Machine-tool work supporting and driving mechanism. A. G. Belden. 1,631,458; June 7.
Magnesium and fixed nitrogen, Production of metallic. C. G. Miner. 1,631,544; June 7.
Mail-box support. J. Warmack. 1,631,904; June 7.
Marking articles, Method and apparatus for. J. A. Hall, jr., and O. M. Tishlarich. 1,631,680; June 7.
Massaging and cleansing device, Gum. T. A. Buckley. 1,631,791; June 7.
Massaging device. W. B. Burnley. 1,631,792; June 7.
Mattress and bedpan, Combined. H. Sweeney. 1,631,656; June 7.
Mausoleum. J. W. Zengerle. 1,631,239; June 7.
Measuring device. G. O. Hoffstetter. 1,631,682; June 7.
Measuring instruments, Casing for electrical. W. M. Scott and R. E. Tresise. 1,631,606; June 7.
Measuring machine, Dry-goods-. J. Y. Downing. 1,631,405; June 7.
Meat jack. J. Lantagne. 1,631,827; June 7.
Meat tenderer. W. F. Jurey. 1,631,869; June 7.
Medicine. C. E. Carter. 1,631,244; June 7.
Mercapto-benzo-thiazole, Manufacturing. W. J. Kelly. 1,631,871; June 7.
Mercury-tube switch. H. E. Warren. 1,631,713; June 7.
Messages through submarine and other like cables, Means and apparatus for transmitting. W. Estaugh. 1,631,254; June 7.
Metal-bending machine. W. Seymour, jr., J. O. Groff, and A. Schaaf. 1,631,386; June 7.
Metal-planing machine. C. G. Johannesmeyer. 1,631,132; June 7.
Metal product and making same, Refractory. C. A. Laise. 1,631,493; June 7.
Metaldehyde, Manufacture of stabilized. E. Lüscher. 1,631,875; June 7.
Meter: *See*—
Flow meter.
Meter connection, Orifice-. H. M. Haldeman. 1,631,264; June 7.
Meter top and index box. E. A. Clark. 1,631,472; June 7.
Metrical optic and acoustic recording and reproduction. C. N. Andrews. 1,631,450; June 7.
Mica-coating machines, Suction device for. R. Sprenger and H. Conradt. 1,631,652; June 7.
Mill: *See*—
Attrition mill.
Milling polygonal holes, Device for. P. Demmel. 1,631,582; June 7.
Mineral, particularly slate, Coloring granulated. H. C. Fisher. 1,631,628; June 7.
Mirror mounting. W. Eustis. 1,631,193; June 7.
Mixer: *See*—
Direct mixer.
Mobile machinery. R. I. Alexander. 1,631,184; June 7.
Mobile machinery, Steering mechanism for. R. I. Alexander and A. H. Exton. 1,631,183; June 7.
Mobile machinery, Traction equipment for. R. I. Alexander and A. H. Exton. 1,631,182; June 7.
Mold: *See*—
Concrete-block mold.
Mold for forming hollow panels. C. H. Terry. 1,631,839; June 7.
Molded articles, Making. W. N. Briggs. 1,631,668; June 7.
Molding core. J. C. Poetz. 1,631,154; June 7.
Molding cutter. W. W. Hartman. 1,631,526; June 7.
Monolithic structure and making the same. A. M. Kohler. 1,631,322; June 7.
Motor: *See*—
Current motor. Hydrocarbon motor.
Motor-control system. J. Eaton. 1,631,673; June 7.
Motor cycle. G. L. Wallis. 1,631,443; June 7.
Motor fuel, Making. R. Cross. 1,631,401; June 7.

Motors and the like, Low-speed governor for spring. F. N. Mizer. 1,631,324; June 7.
Mouth cleaning and massaging device. E. J. Jones. 1,631,133; June 7.
Muffle furnace. E. A. Colby, F. Maeulen, and G. L. Van Allen. 1,631,474; June 7.
Muffler. J. W. Williams. 1,631,391; June 7.
Musical instrument. W. Hansell. 1,631,862; June 7.
Nail, Stucco. C. E. Bowers. 1,631,397; June 7.
Note rack and pencil holder, Telephone. T. V. Breyer. 1,631,717; June 7.
Nozzle. R. Tereau. 1,631,167; June 7.
Nozzle holder. D. Lasher and A. S. Plank. 1,631,874; June 7.
Nozzle, Spray. E. Schlaepfer. 1,631,894; June 7.
Nut lock or fastener washer. J. W. Ivory. 1,631,819; June 7.
Oil burner. B. K. Inglis. 1,631,374; June 7.
Oil burner. A. Sheather. 1,631,771; June 7.
Oil burner. J. M. Weydell. 1,631,662; June 7.
Oil-burning device. H. H. Mercer. 1,631,688; June 7.
Oil shale, Distilling. C. T. Loughrey. 1,631,637; June 7.
Oil wells, Plug for. B. E. Parrish. 1,631,152; June 7.
Optical instrument. W. L. Patterson. 1,631,329; June 7.
Oscillator, Therapeutic. C. E. Cook and G. S. Walker. 1,631,917; June 7.
Overshoe. F. H. Martin. 1,631,749; June 7.
Package. H. F. Niles. 1,631,755; June 7.
Packing. J. L. Creevy. 1,631,520; June 7.
Packing device. A. L. Segelhorst. 1,631,343; June 7.
Packing ring. O. Stoffel. 1,631,654; June 7.
Pad: *See*—
Shoulder pad. Writing pad.
Pad for hair waving. E. O. Schnell. 1,631,342; June 7.
Pan: *See*—
Baking pan.
Paper box. C. H. Kappes. 1,631,595; June 7.
Paper box. F. J. Schleicher. 1,631,225; June 7.
Paper-machine driers, Exhaust system for. W. E. Rosebush. 1,631,833; June 7.
Paper or other materials into sheets, machine for automatically cutting moving webs of. W. E. Molins. 1,631,879; June 7.
Paper product and making same. J. McIntosh. 1,631,750; June 7.
Paper, Washing. C. B. Peck. 1,631,757; June 7.
Parachute. J. M. Russell. 1,631,766; June 7.
Parachute harness. J. M. Russell. 1,631,768; June 7.
Parachute pack. J. M. Russell. 1,631,767; June 7.
Pennut and potato digger. B. K. Basho. 1,631,457; June 7.
Pendulum-controlled sight. R. Kauch. 1,631,635; June 7.
Phosphorous, containing nuclear substance of milk casein in a chemically-pure form and making the same. S. Posternak. 1,631,887; June 7.
Photographic apparatus. A. M. Josepho. 1,631,593; June 7.
Photographic film. W. Lohöfer. 1,631,421; June 7.
Photographic-film-developing machine. C. de Moos. 1,631,476; June 7.
Photographic printing in colors. L. Dufay. 1,631,524; June 7.
Picture-film feed, Motion-. E. H. Amet. 1,631,570; June 7.
Picture-film strip, Motion-. P. Favour. 1,631,478; June 7.
Picture screen, Motion-. E. H. Amet. 1,631,240; June 7.
Pictures, Apparatus for producing and projecting cinematographic. A. Heurung. 1,631,866; June 7.
Pie-filling compound. V. Potmaker. 1,631,287; June 7.
Piles, Apparatus for treating. A. G. Howerton. 1,631,532; June 7.
Pinion puller. J. L. Williamson. 1,631,664; June 7.
Pipe: *See*—
Suction pipe.
Pipe coupling, Valved. V. Bardin. 1,631,456; June 7.
Pipe float coupling, Well-drill-. R. C. Baker. 1,631,509; June 7.
Pipe-line-cleaning device. J. M. and W. H. Thompson. 1,631,562; June 7.
Piston. E. C. Long. 1,631,952; June 7.
Plastic substances, Dispensing container for. W. H. G. Genke. 1,631,931; June 7.
Plate-glass transfer and laying apparatus. H. K. Hitchcock. 1,631,203; June 7.
Plate or similar article. G. Wesp. Des. 72,809; June 7.
Porcelain. F. H. Riddle. 1,631,695; June 7.
Post: *See*—
Fence post.
Posters, Stand for. C. F. Wallace. 1,631,608; June 7.
Pot: *See*—
Coffee and tea pot.
Pot for plants, Wooden. J. C. Finn. 1,631,409; June 7.
Potato digger, Tractor. G. Thortvedt. 1,631,234; June 7.
Potato-mashing machine. A. E. Bergquist. 1,631,910; June 7.
Power plant, Generating. J. Fisher. 1,631,257; June 7.
Power-transmission device. A. S. Newmark. 1,631,500; June 7.
Press: *See*—
Straw press.
Pressing machine for garments and the like. E. J. Schremp. 1,631,770; June 7.
Pressure-operated expansion device, Variable-. C. E. P. Gourdou. 1,631,262; June 7.
Printing machine, Rotary intaglio. A. Weiss. 1,631,169; June 7.
Product obtained from molasses and preparing same. W. H. Dickerson. 1,631,252; June 7.
Products from aromatic amines and sulphur chloride, Manufacture of. J. V. Meigs. 1,631,280; June 7.
Puller: *See*—
Beet puller. Gear puller.
Drive-shaft puller. Pinion puller.
Pulp, Manufacture of paper. J. B. Beveridge. 1,631,789; June 7.
Pulp, Method and apparatus for mixing. W. E. Rosebush. 1,631,762; June 7.
Pump. H. Ford. 1,631,316; June 7.
Pump, Combined liquid and air. E. Hill. 1,631,591; June 7.
Pump connecting device, Deep-well-. G. E. Willers. 1,631,390; June 7.
Pump construction, Pneumatic. H. J. La Joie. 1,631,274; June 7.
Pumping apparatus. G. A. Buvinger and C. Warner. 1,631,619; June 7.
Pumping apparatus, Counterbalancing means for well-. C. C. Fetty. 1,631,408; June 7.
Pumping machine, Rotary. E. Hill. 1,631,592; June 7.
Punches, Stripper device for perforating. N. Loesel. 1,631,323; June 7.
Puzzle or game. E. W. Gates. 1,631,587; June 7.
Quick-break switch. J. H. Pengilly. 1,631,503; June 7.
Rack for tea, coffee, and spice containers. A. I. S. Halvorsen. 1,631,725; June 7.
Radiator. A. Palka. Des. 72,800; June 7.
Radiator guard. H. B. Wilson. 1,631,846; June 7.
Radiator tank. E. D. Treanor. 1,631,711; June 7.
Radio and direct-service system, Universal. E. McLarty, sr., and S. L. Blankenship. 1,631,690; June 7.
Radio tuning device. W. L. Miller. 1,631,380; June 7.
Raft, Log. M. J. Davis. 1,631,403; June 7.
Rail brace. J. G. Mueller. 1,631,325; June 7.
Railway-crossing safety device. G. P. Springfield. 1,631,387; June 7.
Railway-mail-delivery apparatus. H. A. Wright. 1,631,238; June 7.
Railway-traffic-controlling apparatus. R. M. Gilson. 1,631,808; June 7.
Railway-traffic-controlling apparatus. M. A. Penrod. 1,631,832; June 7.
Railway-traffic-controlling apparatus. H. A. Thompson. 1,631,842; June 7.
Rake: *See*—
Lawn rake.
Receptacle. E. J. Qvarnstrom. 1,631,334; June 7.
Receptacle, Money. M. H. Moffett. 1,631,934; June 7.
Receptacle, Outlet. H. E. Slade. 1,631,507; June 7.
Reciprocating feeder. A. W. Happel. 1,631,125; June 7.
Recording instrument. R. F. Brown. 1,631,578; June 7.
Reel: *See*—
Fishing reel. Take-up reel.
Reel for winding filaments, yarns, threads, silks, and the like, Collapsible. F. W. Schubert. 1,631,431; June 7.
Refrigerant. G. Barsky. 1,631,573; June 7.
Refrigerating apparatus. A. T. Stock. 1,631,345; June 7.
Refrigerating system. U. R. Loranger and H. R. Loranger. 1,631,278; June 7.
Refrigerator. C. F. Boyer. 1,631,577; June 7.
Refrigerator. J. B. Ottenheimer. 1,631,883; June 7.
Regulating method and apparatus. W. D. Coolidge. 1,631,625; June 7.
Rheostat. A. E. Waller. 1,631,168; June 7.
Rice product, Making. J. F. Newman. 1,631,145; June 7.
Ring: *See*—
Packing ring.
Rod: *See*—
Gauge rod.
Rods, Automatic adjuster for push. J. E. Titus. 1,631,563; June 7.
Roller: *See*—
Sanding roller. Saw-tooth roller.
Roof, Semi-inclosed, Collapsible upperdeck. A. E. Hutt. 1,631,818; June 7.
Roofing element. T. Robinson. 1,631,604; June 7.
Roost, Sanitary poultry. E. O. Dorsey. 1,631,799; June 7.
Rope grip. A. Lucibello. 1,631,745; June 7.
Ropes, Locking mechanism for shock. A. Timeus. 1,631,439; June 7.
Roving frames, Top clearer for. W. E. Henderson. 1,631,727; June 7.
Rubber and compound resulting therefrom, Vulcanizing. N. A. Shepard and S. Krall. Re16,648; June 7.
Rubber articles, Treating. W. R. Urquhart, C. W. Post, D. E. Humphrey, and C. C. Van Arsdale. 1,631,943; June 7.
Rubber goods and product of same, Surface-finishing. H. W. Emery. 1,631,722; June 7.
Rubber, Treating. H. A. Bruson. 1,631,947; June 7.
Ruler. E. R. Johnson. 1,631,731; June 7.
Safety catch. P. W. Jones. 1,631,824; June 7.

Safety guard for dangerous highways and the like. H. C. Lookabaugh. Re16,649; June 7.
Sand-heating apparatus for building purposes. F. Selmer. 1,631,699; June 7.
Sanding roller. G. H. Davol. 1,631,798; June 7.
Sash fastener. W. H. Gillette. 1,631,370; June 7.
Sash holder, Window. R. H. Shelton. 1,631,772; June 7.
Saturating materials, Apparatus for. L. Kirschbraun and C. E. Rahr. 1,631,826; June 7.
Sausages, Preparing wiener. E. O. Freund. 1,631,723; June 7.
Savings bank. C. Fisher. 1,631,315; June 7.
Saw, Meat. G. F. Feister. 1,631,366; June 7.
Saw set. A. Johnson. 1,631,534; June 7.
Saw-tooth roller, Band-. A. E. Proctor. 1,631,336; June 7.
Sawing apparatus and method. W. S. Dietrich. 1,631,927; June 7.
Saws, Making. L. E. Swett. 1,631,657; June 7.
Scaffold, Portable. H. J. Yager. 1,631,848; June 7.
Scaffolding and other framework structures, Coupling or clamping device for. D. Palmer-Jones. 1,631,831; June 7.
Scale, Personal weighing. H. C. Schaper. 1,631,341; June 7.
Screed support. G. F. Pawling. 1,631,502; June 7.
Screen: *See*—
Picture screen.
Screen. F. L. Jahn. 1,631,822; June 7.
Screen plate. W. L. D'Olier and T. Tohlin. 1,631,585; June 7.
Sealing machine for containers or the like. C. E. Martin. 1,631,748; June 7.
Sealing means. W. M. Brooks. 1,631,464; June 7.
Sealing-off device. Winfried W. Loebe and M. Grossmann. 1,631,377; June 7.
Sealing-off device. C. Martin. 1,631,378; June 7.
Sealing-off torch. L. A. Maurer. 1,631,379; June 7.
Semitrailers, Landing and raising gear for. I. H. Judd. 1,631,135; June 7.
Separating purposes, Centrifugal apparatus for. F. A. Quiroz. 1,631,383; June 7.
Separator: *See*—
Battery separator. Leaf separator.
Cream separator.
Sewing machine. F. Ricks and E. G. E. Burgoyne. 1,631,385; June 7.
Sewing machine. F. Zaleski. 1,631,179; June 7.
Shade guide, Window-. J. R. Binford. 1,631,460; June 7.
Shade holder. L. W. Anderson. 1,631,613; June 7.
Shaft, Detachable. R. M. Werner. 1,631,236; June 7.
Shafting, Nonmetallic centering device for. A. H. Leipert. 1,631,216; June 7.
Sheet conveyer. A. J. Freeman. 1,631,367; June 7.
Sheet-feeding apparatus, Sheet-retarding means for. A. Broadmeyer. 1,631,617; June 7.
Shingle, Flexible. G. Ritter. 1,631,936; June 7.
Shipping package. S. C. Cary. 1,631,516; June 7.
Ships or the like, Propeller for. J. K. Lowe. 1,631,744; June 7.
Shirt. R. G. Dray. 1,631,856; June 7.
Shock absorber. L. Aldrin. 1,631,569; June 7.
Shock absorber. A. Bennett. 1,631,459; June 7.
Shock absorber. A. J. Root. 1,631,222; June 7.
Shock-absorbing mechanism. J. F. O'Connor. 1,631,147; June 7.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,631,148; June 7.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,631,149; June 7.
Shoe. T. Davis. Des. 72,789–91; June 7.
Shoe and manufacture. C. O. Cristallini. 1,631,919; June 7.
Shoe-tree. S. Battilani. 1,631,780; June 7.
Shoes, Heel for. L. Lazzarri and D. Saudino. 1,631,741; June 7.
Shoes, Heeling. J. H. Pope. 1,631,155; June 7.
Shoulder pad. G. A. Rick. 1,631,694; June 7.
Shouldering attachment. C. B. Warren. 1,631,444; June 7.
Shuttle tension. G. Brahs. 1,631,305; June 7.
Sign, Advertising. L. R. Anderson. 1,631,782; June 7.
Sign or advertising device, Changeable. S. Katz. 1,631,870; June 7.
Signal: *See*—
Automobile signal. Traffic signal.
Signal system, Police. W. E. Frost. 1,631,368; June 7.
Signaling apparatus, Vehicle. A. M. Schick. 1,631,698; June 7.
Signaling system, High-frequency. I. F. Byrnes. 1,631,670; June 7.
Silk, Manufacture of artificial. F. W. Schubert. 1,631,835; June 7.
Skein-winding machine. J. F. Schenck, sr. 1,631,893; June 7.
Sleeve coupling, Boltless. F. W. Daniel, sr. 1,631,250; June 7.
Slicer, Bread. H. Stukart. 1,631,231; June 7.
Smoker's article. E. Caldwell. 1,631,467; June 7.
Smoking meat. M. Britt. 1,631,463; June 7.
Snap fastener. J. C. Peterson. 1,631,602; June 7.
Socket-seating and fuse-testing block, Combination. W. Wurdack. 1,631,178; June 7.
Soldering machine, Can-. W. J. Luxton and W. A. Green. 1,631,424; June 7.
Sound amplifier. H. D. Penney. 1,631,221; June 7.
Sound damper. H. W. K. De Brey. 1,631,924; June 7.
Sound-reproducing apparatus. C. W. Rice. 1,631,646; June 7.
Sound-reproducing machines, Repeating attachment for. C. J. Cooke and J. A. Rennie. 1,631,797; June 7.
Spark plugs, Terminal connecter for. A. Champion. 1,631,191; June 7.
Speed indicator. T. Collins, jr. 1,631,796; June 7.
Speed-reduction mechanism. A. J. Krause. 1,631,739; June 7.
Speed transmission, Change-. G. J. Rackham. 1,631,338; June 7.
Spinning spindles, Bearing for. J. Kirner. 1,631,736; June 7.
Spool-stripping machine, Jack-. G. Crossland. 1,631,920; June 7.
Spool support. G. Crossland. 1,631,921; June 7.
Spoon or similar article. E. T. Beck. Des. 72,786; June 7.
Spout, Collapsible. B. A. McAnsh. 1,631,951; June 7.
Sprinkler. L. R. Nelson. 1,631,381; June 7.
Stable peroxidized composition and making same. J. A. L. Van der Lande. 1,631,903; June 7.
Staff base. E. E. See. 1,631,227; June 7.
Stall and stanchion. A. Quade and A. H. Klumb. 1,631,337; June 7.
Stamping and registering apparatus. J. T. F. Conti and P. H. L. Tiranty. 1,631,624; June 7.
Stand: *See*—
Telephone stand.
Steam boiler. W. Siegerist. 1,631,344; June 7.
Steam engine. W. B. Lipscomb. 1,631,743; June 7.
Steam trap. H. C. Macaulay. 1,631,876; June 7.
Steering-mechanism stabilizer for trailers. W. E. Plank. 1,631,332; June 7.
Steering-post control. F. F. Chandler and R. E. Young. 1,631,795; June 7.
Steering-post control-lever assembly. E. J. Gruenewald and D. E. Ross. 1,631,809; June 7.
Stereotype plates, Apparatus for casting curved. S. Werbner. 1,631,944; June 7.
Stiletto. C. E. Winkler. 1,631,175; June 7.
Stone in coal mines, Unit for crushing and distributing powdered. S. Teacher. 1,631,233; June 7.
Stopcock, Self-closing. E. V. Sprague. 1,631,166; June 7.
Storage battery. R. C. Benner. 1,631,511; June 7.
Stove, Hot-air. H. de Boischevalier. 1,631,721; June 7.
Straw press. J. F. Murray. 1,631,881; June 7.
Stringed instrument. R. A. Carlucci. 1,631,794; June 7.
Stud-and-socket-type fastening. T. Morton. 1,631,880; June 7.
Sucker-rod elevator. E. E. Westmoreland and S. G. Taylor. 1,631,845; June 7.
Suction pipe. E. Risley. 1,631,761; June 7.
Surveying instrument with drawing device. M. Sander. 1,631,891; June 7.
Swatter, Fly. N. T. Hendrickson and C. Roholt 1,631,864; June 7.
Switch: *See*—
Automatic switch. Mercury-tube switch.
Electric switch. Quick-break switch.
Electrical switch.
Switch and signal system. R. M. Robinson. 1,631,648; June 7.
Swivel hook, Hydraulic. F. Redick. 1,631,890; June 7.
Tack-supplying mechanism. B. Jorgensen. 1,631,134; June 7.
Tag price-marking machine. F. Kohnle. 1,631,933; June 7.
Take-up bolt, Automatic. O. Miller. 1,631,878; June 7.
Take-up reel. T. J. Schuetz. 1,631,432; June 7.
Tank: *See*—
Liquid-measuring tank. Radiator tank.
Tanks, Fuel filler for. T. D. Manuel. 1,631,542; June 7.
Telegraph and telephone cables, Manufacture of. W. S. Smith and A. D. Shuter. 1,631,774; June 7.
Telegraph repeater, Alternating-current. J. P. Ferriter and W. T. Guest. 1,631,675; June 7.
Telegraph signaling system. S. D. Wilburn. 1,631,174; June 7.
Telegraph system, Alternating-current. J. P. Ferriter and W. T. Guest. 1,631,676; June 7.
Telephone and cap therefor. F. Walter. 1,631,350; June 7.
Telephone, Hand. O. Soldan. 1,631,607; June 7.
Telephone stand. F. A. Ford. 1,631,195; June 7.
Telephone system, Automatic. J. Wicks. 1,631,351; June 7.
Tension device and the like. L. Pavia. 1,631,330; June 7.
Tent. C. B. Leffert. 1,631,215; June 7.
Terminal protective apparatus. E. A. Seward and E. B. Rodgers. 1,631,555; June 7.
Thermal relay. C. I. Hall. 1,631,679; June 7.
Thermosensitive relay. L. E. Spray. 1,631,836; June 7.
Tile and the like, Manufacturing mastic. F. R. Muller. 1,631,284; June 7.
Tilting trap. N. C. and H. C. Ellis. 1,631,407; June 7.
Timer. E. Sinner. 1,631,291; June 7.
Tine for haymaking and like machinery. J. and C. J. Bamford. 1,631,455; June 7.

Tip-up and like chair. D. E. Turner. 1,631,440; June 7.
Tire-building core. B. De Mattia. 1,631,855; June 7.
Tire chain. W. Murphy. 1,631,754; June 7.
Tire chain. F. A. Smith. 1,631,296; June 7.
Tire rim, Telescoping. A. R. Parsons. 1,631,429; June 7.
Tires, Blow-out patch for balloon. C. E. Ayers. 1,631,354; June 7.
Tires, Cushioning unit for vehicle. H. Zubrow and E. Solomon. 1,631,447; June 7.
Toilet box. A. S. Donaldson. Des. 72,793; June 7.
Tomb or grave closing device. H. J. Busey. 1,631,853; June 7.
Tongs. J. Chambers. 1,631,916; June 7.
Tool, Fluid-pressure-actuated. E. H. Shaff. 1,631,163; June 7.
Tool for inserting or removing screws. J. Klewicz. 1,631,489; June 7.
Tool-slide mechanism. E. P. Bullard, jr. 1,631,579; June 7.
Tool, Tire-regrooving. J. A. Straits. 1,631,941; June 7.
Toothbrush, Motor-driven. G. W. Baird and A. Lamb. 1,631,394; June 7.
Toothbrush, Rotary. B. V. Stoll. 1,631,897; June 7.
Torpedo, Railway signal. F. Dutcher. 1,631,857; June 7.
Toy electric railway. L. Caruso. 1,631,245; June 7.
Toy, Figure. M. P. Correa, jr. 1,631,918; June 7.
Toy, Mechanically-operated figure. A. W. Ankeny. 1,631,451; June 7.
Toy top. S. Kielar. 1,631,272; June 7.
Tractor. A. N. Calkins. 1,631,243; June 7.
Tractor brake. T. J. Fetcher. 1,631,122; June 7.
Tractor, Roller. R. W. Keeler. 1,631,271; June 7.
Tractor trailer coupler. S. B. Winn. 1,631,847; June 7.
Traffic gate. E. E. Howard. 1,631,416; June 7.
Traffic signal for vehicles. J. E. Lock. 1,631,140; June 7.
Traffic signal, Vehicle. E. Kimura. 1,631,273; June 7.
Train-control system. A. B. Kendall and B. W. Meisel. 1,631,597; June 7.
Train-control systems, Conductor for. T. E. Clark. 1,631,361; June 7.
Train-pipe connecter, Automatic. J. Robinson. 1,631,551–2; June 7.
Transformer. H. P. Andreoli. 1,631,393; June 7.
Transmission lock. W. M. Reason. 1,631,157; June 7.
Transmission mechanism. J. C. Heyda. 1,631,590; June 7.
Transmission, Speed-varying. J. M. Simpson. 1,631,939; June 7.
Transmissions and the like, Casing for. E. R. Hewitt and A. H. Leipert. 1,631,201; June 7.
Transmitting mechanism. C. C. Balston. 1,631,572; June 7.
Trap: *See*—
Boiler-feed trap. Steam trap.
Drum trap. Tilting trap.
Trapdoors, Operating mechanism for car-vestibule. A. A. Constantine. 1,631,307; June 7.
Tree: *See*—
Shoe-tree.
Truck, Adjustable end. R. E. Nelles. 1,631,545; June 7.
Truck, Dumping. J. P. Egholm. 1,631,627; June 7.
Truck frame. H. C. Priebe. 1,631,335; June 7.
Trucks or wagons, Gravity-dump body for. F. J. Melton. 1,631,751; June 7.
Trucks, wagons, and other vehicles, Stake for. W. Burkart. 1,631,118; June 7.
Tube holder, Collapsible. A. G. Leake. 1,631,275; June 7.
Tubes, Cap for paste. D. L. Gallett. 1,631,525; June 7.
Tubing, Making. C. Skoglund. 1,631,651; June 7.
Tunnels, Smoke-extracting device for. P. Wagich. 1,631,442; June 7.
Turbine, Elastic-fluid. G. B. Warren. 1,631,660; June 7.
Typesetting apparatus. C. A. H. Bullock. 1,631,515; June 7.
Typewriting machine. G. G. Going. 1,631,197; June 7.
Typewriting machine. W. F. Rothermund. 1,631,223; June 7.
Typewriting machine. J. Waldheim. 1,631,565; June 7.
Typewriting machines, Scale plate for. W. E. Lane. 1,631,494; June 7.
Underlift. A. Broadmeyer. 1,631,618; June 7.
Universal joint. A. F. Pieper. Des. 72,802; June 7.
Vacuum cleaner. F. F. Pease. 1,631,549; June 7.
Vacuum discharge apparatus. S. Dushman. 1,631,672; June 7.
Vacuum packing apparatus. F. W. L. Peebles. 1,631,885; June 7.
Valve. C. P. Eisenhauer. 1,631,406; June 7.
Valve. J. S. Forbes. 1,631,586; June 7.
Valve. F. H. Hehemann. 1,631,414; June 7.
Valve. A. F. Pieper. 1,631,643; June 7.
Valve for making connection between underground main piping and underground branch piping. D. L. H. Van Raalte. 1,631,564; June 7.
Valve for tanks. J. Harris. 1,631,372; June 7.
Valve-operating mechanism, Limit switch for. E. A. Russell and P. B. Parks. 1,631,161; June 7.
Valve, Pressure-operable. S. Greenhouse. 1,631,263; June 7.
Valve-refacing tool. L. O. Beard. 1,631,850; June 7.
Valve shield. M. Sullivan. 1,631,438; June 7.
Valve tappets, Mounting for. A. F. Milbrath. 1,631,218; June 7.
Valve, Water-discharge. F. Gfeller. 1,631,482; June 7.
Valve, Water-shut-off. F. Gfeller. 1,631,481; June 7.
Valves, Indicator for setting steam-engine. S. B. Musselman. 1,631,285; June 7.
Valves, Machine for grinding. F. S. Simpson. 1,631,700; June 7.
Vanity case. L. J. Greenwald. 1,631,588; June 7.
Vanity case. N. Kasdan. 1,631,136; June 7.
Vehicle. T. J. Fay. 1,631,803; June 7.
Vehicle. O. E. Hunt. 1,631,206; June 7.
Vehicle and trailer, Auto marine. A. E. Cook. 1,631,248; June 7.
Vehicle body. A. Hoeldtke. 1,631,131; June 7.
Vehicle body removing and replacing device. S. Carnes. 1,631,915; June 7.
Vehicle brake. H. C. Chase. 1,631,470; June 7.
Vehicle hood cover, Motor-. C. Wilhelm. 1,631,663; June 7.
Vehicles, Automatic brake for. B. W. Twyman and R. B. Burton. 1,631,902; June 7.
Vehicles, Combination rear light for. C. E. Godley. 1,631,678; June 7.
Vehicles, Driver's compartment for. R. F. Blair and G. Hind. 1,631,357; June 7.
Vehicles, Heating apparatus for. E. P. Chase. 1,631,469; June 7.
Vehicles, Mud guard for. A. Kloss. 1,631,420; June 7.
Vehicles, Power-propelled runner attachment for motor. G. B. Anderson. 1,631,114; June 7.
Vehicles, Power-transmission mechanism for motor. G. M. Stone. 1,631,837; June 7.
Vehicles, Propelling wheeled. J. Temperly. 1,631,900; June 7.
Vending machine. J. E. Olivis. 1,631,547; June 7.
Ventilators for wearing apparel, Machine for making. W. I. Silverateln. 1,631,773; June 7.
Vulcanizing apparatus. R. D. Fritz. 1,631,806; June 7.
Vulcanizing method and apparatus. J. D. Tew. 1,631,707; June 7.
Wagon, Casing, J. D. Lemex. 1,631,276; June 7.
Wall board and making the same. H. F. Weiss. 1,631,173; June 7.
Wall construction. R. G. Wallace. 1,631,659; June 7.
Wall construction, Building. G. L. Bennett. 1,631,787; June 7.
Wall, Partition. J. M. Hewlett. 1,631,373; June 7.
Washboard support, Adjustable. E. A. McClaferty. 1,631,638; June 7.
Washer: *See*—
Lock washer. Nut lock or fastener washer.
Washing machine. F. J. Gensley. 1,631,630; June 7.
Washing machine. W. C. Hasha. 1,631,266; June 7.
Water heater. A. T. Johanson. 1,631,533; June 7.
Water-supply system and valve therefor. J. H. Masters. 1,631,142; June 7.
Weeder. M. D. Kast. 1,631,733; June 7.
Weighing apparatus and the like, Stay connection for. E. L. Blick. 1,631,358; June 7.
Weighing machine. G. H. Bent. 1,631,117; June 7.
Wells, Apparatus for plugging. M. M. Kinley. 1,631,419; June 7.
Wheel: *See*—
Disk wheel. Flexible wheel.
Wheel-dressing mechanism. H. E. Kempton. 1,631,596; June 7.
Wheel runner. I. Knight. 1,631,873; June 7.
Wheels, Producing of cast-metal. G. Walther. 1,631,712; June 7.
Wheelbarrow, Garden. B. Privat. 1,631,333; June 7.
Whirligig. G. M. Larrair. 1,631,539; June 7.
Winding machine. G. Sipp. 1,631,292; June 7.
Winding shaft. F. E. Langdon. 1,631,538; June 7.
Window. C. E. Bateman. 1,631,666; June 7.
Window, Metallic. J. Brogden. 1,631,949; June 7.
Window of motor and other vehicles, Sliding. J. M. Strachan. 1,631,775; June 7.
Window opening and closing mechanism. J. Saoutchik. 1,631,892; June 7.
Window operator. F. G. Kitchin. 1,631,490; June 7.
Window, Storm. E. W. Vinz. 1,631,777; June 7.
Windshield cleaner. F. G. and W. M. Folberth. 1,631,629; June 7.
Wire connection. C. K. Jackson. 1,631,821; June 7.
Wire holder. L. B. Barrett. 1,631,510; June 7.
Wood, Gelatinizing. A. W. Schorger. 1,631,834; June 7.
Wood, Treating. W. Hoskins. 1,631,728; June 7.
Wood waste, Utilizing. H. F. Weiss. 1,631,171–2; June 7.
Wrench: *See*—
Adjustable wrench.
Wrench for screw-top jars. F. Moser. 1,631,689; June 7.
Writing pad. B. M. Dunlap. 1,631,192; June 7.

CLASSIFICATION OF PATENTS

ISSUED JUNE 7, 1927.

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92— 1: 1,631,172
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93— 1: 1,631,940
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58: 1,631,518
61: 1,631,146
93: 1,631,616
94— 18: 1,631,576
50: 1,631,271
95— 9: 1,631,421
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40: 1,631,298
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57: 1,631,300
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89: 1,631,367
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96— 13: 1,631,634
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97— 47: 1,631,234
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98— 49: 1,631,442
99— 2: 1,631,885
9: 1,631,463
10: 1,631,287
11: 1,631,145
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41: 1,631,339
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1,631,858
12: 1,631,532
16: 1,631,487
100— 23: 1,631,881
31: 1,631,439
101— 3: 1,631,863
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291: 1,631,933
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126— 38: 1,631,418
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104— 149: 1,631,245
105— 38: 1,631,661
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204: 1,631,335
226: 1,631,677
128— 57: 1,631,792
247: 1,631,437
129— 16: 1,631,473
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270: 1,631,241
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130— 30: 1,631,426
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131— 12: 1,631,467
1,631,307
1,631,685
364: 1,631,313
132— 36: 1,631,189
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1,631,730
12: 1,631,729
40: 1,631,834
107— 10: 1,631,697
26: 1,631,441
108— 5.4: 1,631,260
1,631,860
7: 1,631,936
109— 61: 1,631,948
110— 40: 1,631,282
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112— 16: 1,631,605
39: 1,631,179
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150: 1,631,867
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160: 1,631,391
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1,631,330
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144— 32: 1,631,683
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146— 3: 1,631,854
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	294:	1,631,726		94:	1,631,392		36:	1,631,474		138:	1,631,613	256—	1:	R.16,649		46:	1,631,477
	298:	1,631,728	196—	37:	1,631,401		38:	1,631,485	241—	6:	1,631,261		48:	1,631,821		49:	1,631,276
	361:	1,631,393	197—	1:	1,631,572		39:	1,631,753	242—	18:	1,631,292		52:	1,631,942		52:	1,631,333
176—	2:	1,631,377		82:	1,631,197		43:	1,631,614		71:	1,631,302		69:	1,631,820		152:	1,631,420
		1,631,378		126:	1,631,565	220—	9:	1,631,165		72:	1,631,538	257—	37:	1,631,141	285—	58:	1,631,551
		1,631,379		193:	1,631,223		31:	1,631,365		84.7:	1,631,790		133:	1,631,469			1,631,552
	132:	1,631,493		194:	1,631,494		82:	1,631,606		95:	1,631,432		191:	1,631,711	286—	38:	1,631,343
177—	329:	1,631,471	198—	20:	1,631,124	221—	27:	1,631,981			1,631,899		224:	1,631,162		39:	1,631,654
		1,631,678			1,631,199		47.4:	R.16,650		110:	1,631,535		291:	1,631,721	287—	111:	1,631,250
	352:	1,631,836		24:	1,631,125		60:	1,631,275		111:	1,631,431	258—	23:	1,631,238	288—	3:	1,631,520
178—	2:	1,631,174		30:	1,631,150			1,631,525	244—	3:	1,631,895	260—	28:	1,631,280	290—	37:	1,631,747
	55:	1,631,676		64:	1,631,119			1,631,931			1,631,908		44:	1,631,871	292—	25:	1,631,758
	56:	1,631,675	200—	26:	1,631,291		69:	1,631,129		12:	1,631,259		49:	1,631,865		57:	1,631,370
	63:	1,631,264		27:	1,631,644		74:	1,631,594			1,631,603		57:	1,631,589		169:	1,631,229
179—	2:	1,631,490		48:	1,631,268		98:	1,631,430		16:	1,631,861		98:	1,631,887		214:	1,631,508
	5:	1,631,368		67:	1,631,913		100:	1,631,454		21:	1,631,766		140:	1,631,875		276:	1,631,772
	18:	1,631,506		73:	1,631,503	224—	26:	1,631,371			1,631,767	261—	41:	1,631,716		308:	1,631,464
	27:	1,631,153		122:	1,631,679		29:	1,631,202			1,631,768		76:	1,631,701	293—	26:	1,631,417
		1,631,351		131:	1,631,851			1,631,543		25:	1,631,187	262—	1:	1,631,290		54:	1,631,846
	103:	1,631,607		135:	1,631,669		48:	1,631,935	246—	34:	1,631,842	265—	1:	1,631,143		55:	1,631,640
	106:	1,631,583		150:	1,631,681	226—	29:	1,631,542		37:	1,631,808		27:	1,631,358			1,631,653
	111:	1,631,764		162:	1,631,713		70:	1,631,530		41:	1,631,361		47:	1,631,860	294—	28:	1,631,598
	115:	1,631,646	201—	53:	1,631,168		84:	1,631,289		63:	1,631,832	267—	20:	1,631,509		91:	1,631,845
	171:	1,631,213	202—	16:	1,631,637	227—	22:	1,631,279		170:	1,631,868		31:	1,631,803	295—	49:	1,631,320
		1,631,670	204—	63:	1,631,512	228—	36:	1,631,922		182:	1,631,597		33:	1,631,459	296—	1:	1,631,546
	182:	1,631,350		64:	1,631,667		63:	1,631,513		228:	1,631,648		53:	1,631,222		28:	1,631,209
180—	1:	1,631,182	206—	39:	1,631,334	229—	5.5:	1,631,225		487:	1,631,857		54:	1,631,228		43:	1,631,118
		1,631,236		46:	1,631,756		11:	1,631,595	247—	3:	1,631,224	268—	63:	1,631,907		48:	1,631,892
	81:	1,631,183		48:	1,631,755		23:	1,631,521	248—	7:	1,631,509		72:	1,631,127		107:	1,631,818
		1,631,184	208—	97:	1,631,443		29:	1,631,554		29:	1,631,849		98:	1,631,309	298—	22:	1,631,627
	85:	1,631,206	209—	2:	1,631,423	230—	2:	1,631,274			1,631,874		132:	1,631,490		23:	1,631,751
181—	27:	1,631,221		14:	1,631,434		27:	1,631,316		38:	1,631,227	271—	18:	1,631,617	299—	114:	1,631,381
		1,631,924		169:	1,631,382			1,631,425	249—	19:	1,631,376		20:	1,631,181		117:	1,631,894
183—	63:	1,631,549		289:	1,631,517		30:	1,631,592		59:	1,631,117	272—	41:	1,631,331		131:	1,631,167
184—	6:	1,631,537	210—	165:	1,631,822		256:	1,631,411	250—	27.5:	1,631,672		84:	1,631,388	301—	35:	1,631,429
	7:	1,631,650		169:	1,631,585	232—	4:	1,631,315		34:	1,631,497	273—	33:	1,631,270			1,631,906
	11:	1,631,594	211—	7:	1,631,718			1,631,934			1,631,625		60:	1,631,317		63:	1,631,926
	13:	1,631,217			1,631,844		40:	1,631,904			1,631,626		65:	1,631,740	303—	39:	1,631,815
	38:	1,631,158		8:	1,631,547	233—	25:	1,631,383		36:	1,631,917		77:	1,631,604	304—	15:	1,631,848
	65:	1,631,742		14:	1,631,725	234—	1:	1,631,285		41:	1,631,360		80:	1,631,926		40:	1,631,831
187—	81:	1,631,340		32:	1,631,776			1,631,578			1,631,636		116:	1,631,587	305—	10:	1,631,114
188—	5:	1,631,115	213—	21:	1,631,295	235—	5:	1,631,395	251—	31:	1,631,372		131:	1,631,558			1,631,243
	64:	1,631,745		30:	1,631,147	238—	53:	1,631,325			1,631,406		134:	1,631,505	306—	3:	1,631,465
	77:	1,631,122		33:	1,631,148			1,631,769		49:	1,631,414	274—	15:	1,631,797	308—	6:	1,631,810
		1,631,540			1,631,149	240—	25:	1,631,632		132:	1,631,663	276—	45:	1,631,515		47:	1,631,352
	90:	1,631,800		170:	1,631,294		41:	1,631,112		146:	1,631,142	277—	7:	1,631,643			1,631,353
	152:	1,631,448	215—	3:	1,631,194			1,631,159		148:	1,631,586	279—	9:	1,631,286		180:	1,631,318
	163:	1,631,470		13:	1,631,413			1,631,610		149:	1,631,166		114:	1,631,499		189:	1,631,763
	184:	1,631,324		48:	1,631,784		44:	1,631,724		156:	1,631,548	280—	3:	1,631,900		207:	1,631,557
189—	72:	1,631,949		88:	1,631,322		45:	1,631,130	252—	5:	1,631,573		13:	1,631,873		228:	1,631,736
	82:	1,631,691	217—	5:	1,631,516			1,631,905	253—	76:	1,631,660		29:	1,631,561			
192—	4:	1,631,843		9:	1,631,780		61:	1,631,480	254—	49:	1,631,915		33.1:	1,631,135			
		1,631,902	219—	20:	1,631,484			1,631,519	255—	28:	1,631,509			1,631,847			

June 14, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Cork Co. (See Zohman, Nathan.)

American Agricultural Chemical Company, The, New York, N. Y. Phosphatic fertilizers. 63,847; renewed July 9, 1927.

Arlington Rubber Company, Everett, Mass. Golf balls. 228,898; June 14; Serial No. 243,188; published Apr. 5, 1927.

Associated Educators Syndicate, Bay City, Mich. Card game. 228,936; June 14; Serial No. 243,917; published Apr. 5, 1927.

Balding, Ned A., Lincoln, Ill. Medicine for the treatment of the eyes. 228,957; June 14; Serial No. 244,913; published Apr. 5, 1927.

Barber, Bessie L., Los Angeles, Calif. Hair dye. 229,007; June 14.

Barker Bread Company, Portland, Oreg. Bread. 228,875; June 14; Serial No. 229,082; published Mar. 29, 1927.

Beacon Devices, Inc., North Tonawanda, N. Y. Liquid carbon dioxide. 228,854; June 14; Serial No. 241,077; published Apr. 5, 1927.

Belmont Products Co., The, Martins Ferry, Ohio. Ginger ale. 229,033; June 14.

Better Health Malt Syrup Co., Chicago, Ill. Malt sirup for food purposes. 228,904; June 14; Serial No. 243,583; published Apr. 5, 1927.

Birmingham, L. E., Sturgeon Bay, Wis. Fresh apples. 228,859; June 14; Serial No. 211,516; published Apr. 5, 1927.

Boothby Fibre Can Company, Boston, Mass. Paper cans. 229,034; June 14.

Boyd, Walter E., Paris, Tex. Newspaper. 228,910; June 14; Serial No. 243,746; published Apr. 5, 1927.

Brooklyn Scientific Products Company. (See Saletan, Samuel.)

Brooten, H. H., & Sons Inc., Cloverdale, Oreg. Kelp mineral products. 228,963; June 14; Serial No. 242,982; published Apr. 5, 1927.

Buckley, Newhall Company, The, New York, N. Y. Humidors, ash receivers and trays, cigar cases, etc. 228,855–6; June 14; Serial Nos. 241,081–2; published Apr. 5, 1927.

California Peanut Co. (See Damianakes, Nicholas P.)

California Spray-Chemical Company, Watsonville, Calif. Insecticidal, germicidal, and fungicidal sprays for trees and plants. 228,975; June 14; Serial No. 244,424; published Apr. 5, 1927.

Campbell, Dundas R., doing business as PhaMaSal Company, Rockville Center, N. Y. Medicinal powders. 228,905; June 14; Serial No. 243,641; published Apr. 5, 1927.

Careful Carpet Cleaning Company, Inc., New York, N. Y. Textile carpets, rugs, and other textile floor coverings. 228,841; June 14; Serial No. 237,593; published Feb. 22, 1927.

Carrier-Stephens Company, Lansing, Mich. Preparation for application to glass for precluding fogging. 228,916; June 14; Serial No. 230,660; published Apr. 5, 1927.

Chase, W. P., Candy Corp., Brooklyn, N. Y. Candies. 228,883; June 14; Serial No. 241,926; published Apr. 5, 1927.

Cleveland Folding Machine Company, The, Cleveland, Ohio. Paper feeders and paper-folding machines. 228,998; June 14.

Continental Bank-Supply Company, Mexico, Mo. Bank supplies. 228,873; June 14; Serial No. 228,744; published Apr. 5, 1927.

Cooper Corp., The, Cincinnati, Ohio. Automobile tire casings and tubes. 229,028; June 14.

Cricchio, Paul, New York, N. Y. Steel dies and bronze molds. 228,830; June 14; Serial No. 242,709; published Apr. 5, 1927.

Curtis Companies, Incorporated, Clinton, Iowa. Sashes, doors, blinds, stairways, woodlen moldings, etc. 229,010; June 14.

Curtiss Candy Company, The, Chicago, Ill. Candy and candy bars. 228,929; June 14; Serial No. 244,672; published Apr. 5, 1927.

Dalgger Corporation, The, Chicago, Ill. Substitutes for glycerin. 228,949; June 14; Serial No. 244,854; published Apr. 5, 1927.

Damianakes, Nicholas P., doing business as California Peanut Co., Oakland, Calif. Candy. 228,869; June 14; Serial No. 227,114; published Apr. 5, 1927.

Dayton Friction Toy Company, The, Dayton, Ohio. Computing toys. 228,897; June 14; Serial No. 244,056; published Apr. 5, 1927.

Delano, Potter & Co., Inc., Boston, Mass. Tea and coffee. 228,922; June 14; Serial No. 244,547; published Apr. 5, 1927.

Dell Publishing Company, New York, N. Y. Magazine. 228,887; June 14; Serial No. 242,416; published Apr. 5, 1927.

Deloney & Company, Inc., Hammond, Ind., and Chicago, Ill. Ointment and tonic. 228,862; June 14; Serial No. 243,038; published Apr. 5, 1927.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 228,931; June 14; Serial No. 244,395; published Apr. 5, 1927.

Dietz, R. E., Company, New York, N. Y. Oil-burning lanterns and the burners and metal parts thereof. 228,923; June 14; Serial No. 244,550; published Apr. 5, 1927.

Donaldson Manufacturing Co., Ltd., Glasgow, Scotland. Golf clubs, golf balls, golf bags, golf irons. 228,850; June 14; Serial No. 239,798; published Apr. 5, 1927.

Downey, Michael J., Nashua, N. H. Liniment for rheumatism, sprains, and neuralgia. 228,983; June 14; Serial No. 244,396; published Apr. 5, 1927.

Draper-Maynard Company, The, Plymouth, N. H. Golf balls. 228,927; June 14; Serial No. 244,606; published Apr. 5, 1927.

Druggists' Supply Corporation, New York, N. Y. Golf ball. 228,950–2; June 14; Serial Nos. 244,856–8; published Apr. 5, 1927.

Eagle, C. K., & Co., Inc., Shamokin, Pa., and New York, N. Y. Silk goods in the piece. 228,833; June 14; Serial No. 242,824; published Apr. 5, 1927.

Eagle-Picher Lead Company, The, Chicago, Ill. Lead sulphate and lead oxide for use in the manufacture of storage battery plates. 228,966; June 14; Serial No. 24,143; published Apr. 5, 1927.

Eagle Wash Suit Co., Inc., New York, N. Y. Boys' and girls' outerwear. 229,020; June 14.

Eastern Trading Co. (See Hammerling, Emanuel.)

Eavenson, J., & Sons, Inc., Philadelphia, Pa., and Camden, N. J. Soap flakes. 229,032; June 14.

Eisenberg & Anderson, New York, N. Y. Coats, vests, trousers, etc., for men and young men. 228,837; June 14; Serial No. 233,537; published Mar. 1, 1927.

Electrified Water Co., Newark, N. Y. Maltless beverages, soft drinks. 228,876; June 14; Serial No. 229,223; published Apr. 5, 1927.

Ellison, John B., & Sons, Philadelphia, Pa. Fabrics made from wool, worsteds, or mixtures thereof. 228,861; June 14; Serial No. 216,898; published Apr. 5, 1927.

Ellison, John B., & Sons, Philadelphia, Pa. Fabrics made of wool, worsted, cotton, or mixtures thereof. 228,877; June 14; Serial No. 229,951; published Apr. 5, 1927.

Emerson-Brantingham Corporation, Rockford, Ill. Plows and harrows. 228,930; June 14; Serial No. 244,682; published Apr. 5, 1927.

Emsheimer & Sahlein, New York, N. Y. Silk fabrics. 228,935; June 14; Serial No. 244,005; published Apr. 5, 1927.

Enterprise Manufacturing Company, The. (See Pflueger, E. A., Company, The, assignor.)

Esche, Moritz S., Chemnitz, Germany. Knitted hosiery, gloves, and underwear. 62,094; renewed Apr. 16, 1927.

Esche, Moritz S., Chemnitz, Germany. Knitted hosiery, gloves, and underwear. 62,100; renewed Apr. 16, 1927.

Exhibitors Review Publishing Corporation, New York, N. Y. Publication. 228,997; June 14; Serial No. 244,351; published Apr. 5, 1927.

Falcon Motors Corporation, Detroit, Mich. Passenger-carrying automobiles. 228,959; June 14; Serial No. 243,802; published Apr. 5, 1927.

Fett, John, sr., Chicago, Ill. Bed springs. 229,022; June 14.

Fitger Company, The, Duluth, Minn. Beverages. 228,870; June 7; Serial No. 227,118; published Apr. 5, 1927.

Flanigan, A. Roy, Williamsport, Pa. Medicine for acid stomach, heartburn, flatulence. 228,985; June 14; Serial No. 244,009; published Apr. 5, 1927.

Flanigan, A. Roy, doing business as Sweetex Products, Williamsport, Pa. Antiseptic deodorizing powder. 228,986; June 14; Serial No. 244,008; published Apr. 5, 1927.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Baking powder. 229,015; June 14.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 228,839; June 14; Serial No. 234,116; published Apr. 5, 1927.

Fresno Grape Distributors, Fresno, Calif. Fresh grapes. 228,900; June 14; Serial No. 243,261; published Mar. 29, 1927.

Galle, S., & Co., New York, N. Y. Cheeses and cheese products. 228,853; June 14; Serial No. 240,249; published Mar. 29, 1927.

Garfield National Bank, The, New York, N. Y. Periodical. 228,848; June 14; Serial No. 239,407; published Apr. 5, 1927.

Gazzoni, Maison A., & Compania, Bologna, Italy. Medicinal product for the treatment of neurasthenia, hysteria, etc. 228,988; June 14; Serial No. 243,938; published Apr. 5, 1927.

Gilmour, Rothery & Co., Boston, Mass. House organs. 228,918; June 14; Serial No. 244,497; published Apr. 5, 1927.

Glasfabriken und Raffinerien Josef Inwald A. G., Vienna, Austria. Glassware. 228,884; June 14; Serial No. 242,229; published Apr. 5, 1927.

Glen-Kel Publishing Co., Inc., New York, N. Y. Magazine. 228,990; June 14; Serial No. 244,150; published Apr. 5, 1927.

Godde, Albert, Bedin, Inc., New York, N. Y. Silk piece goods. 228,926; June 14; Serial No. 244,591; published Apr. 5, 1927.

Goldman, Sigmund L., doing business as Stone Malt Co., Chicago, Ill., and Columbus, Ohio. Malt sirup for beverage purposes. 228,901; June 14; Serial No. 243,266; published Apr. 5, 1927.

Great Atlantic & Pacific Tea Co., The, Jersey City, N. J. Coffee. 228,894; June 14; Serial No. 244,927; published Apr. 5, 1927.

Greenberg, Elias, New York, N. Y. Medicinal preparation for the relief of aches, pains, headaches, etc. 228,907; June 14; Serial No. 243,698; published Apr. 5, 1927.

Groya, Herman, to Fred Groya, Chicago, Ill., successor. Snuff. 65,675; renewed Oct. 15, 1927.

Haas, Nuevo L., doing business as Haas Bros., Benton Harbor, Mich. Corn plasters. 228,977; June 14; Serial No. 244,439; published Apr. 5, 1927.

Hadfield-Penfield Steel Company, The, Bucyrus, Ohio. Tractors, road graders, etc. 228,911; June 14; Serial No. 243,757; published Apr. 5, 1927.

Haft Green Company, East Chicago, Ind. Canned fruit, vegetables, mixed vegetables, fish, berries, etc. 229,026; June 14.

Haloid Company, The, Rochester, N. Y. Photographic developing papers. 229,031; June 14.

Hamblin & Russell Manufacturing Company, Inc., Worcester, Mass. Kitchen strainers and fry baskets. 228,961; June 14; Serial No. 243,151; published Mar. 15, 1927.

Hammerling, Emanuel, doing business as Eastern Trading Co., New York, N. Y. Ladies' bags. 228,908; June 14; Serial No. 243,700; published Mar. 29, 1927.

Hanlon & Goodman, New York, N. Y., and Belleville, N. J. Brushes. 229,001; June 14.

Hardwick-Spencer Medicine Company, Ltd., Charleston, W. Va. Medicinal preparation. 228,872; June 14; Serial No. 228,188; published Apr. 5, 1927.

Haynes, John, Pawhuska, Okla. Medicine for the treatment of rheumatism and diseases of the skin and blood. 228,857; June 14; Serial No. 241,154; published Apr. 5, 1927.

Heftone Co., The. (See Lewis, Giles W.)

Heimbuecher, John H., Metals Co., St. Louis, Mo. Brass and copper tubing, gutter hangers, rivets, etc. 228,835; June 14; Serial No. 243,057; published Apr. 5, 1927.

Heitkamp Bros., Inc., New Orleans, La. Hair dressing or tonic. 228,945; June 14; Serial No. 244,824; published Apr. 5, 1927.

Heyer, George S., Houston, Tex. Skin powder. 229,880; June 14; Serial No. 241,483; published Apr. 5, 1927.

Hirsh, Henry, doing business as Home Beverage Co., Chicago, Ill. Malt sirups. 228,982; June 14; Serial No. 244,770; published Apr. 5, 1927.

Home Beverage Co. (See Hirsh, Henry.)

Hood Rubber Company. (See Shawmut Tire Company, assignor.)

Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Canvas baskets and similar canvas containers. 228,849; June 14; Serial No. 239,583; published Apr. 5, 1927.

Hudson & Company, Inc., New York, N. Y. Antiseptic and deodorant preparation. 228,944; June 14; Serial No. 244,825; Published Apr. 5, 1927.

Imperial Silk House, The, New York, N. Y. Cotton, silk, artificial silk, wool, etc. 228,912; June 14; Serial No. 243,761; published Apr. 5, 1927.

Insertograph Co., Waukesha, Wis. Mail-inserting machines. 228,893; June 14; Serial No. 244,936; published Apr. 5, 1927.

International Agricultural Corporation, New York, N. Y. Fertilizers. 228,996; June 14; Serial No. 244,308; published Apr. 5, 1927.

Jacobs Brothers, Baltimore, Md. Aprons, dresses, and uniforms. 229,016; June 14.

James, Mrs. I. Leonard, doing business as Prescription Laboratories, Atlanta, Ga. Mouth and throat antiseptic, astringent, and prophylactic. 228,909; June 14; Serial No. 243,705; published Apr. 5, 1927.

Jelmarvl Co., Los Angeles, Calif. Jams, jellies, jelly concentrate, etc. 228,953; June 14; Serial No. 244,871; published Apr. 5, 1927.

Johnson & Derby, Laredo, Tex. Fresh vegetables and melons. 228,838; June 14; Serial No. 233,555; published Apr. 5, 1927.

Johnson Lumber Company, Manchester, N. H. Toy miniature lumber. 228,913; June 14; Serial No. 243,762; published Apr. 5, 1927.

June Days, Incorporated, Des Moines, Iowa. Face powder, bath powder, cold cream, rouge, etc. 228,892; June 14; Serial No. 244,939; published Apr. 5, 1927.

Kayser, Julius, & Co., New York, N. Y. Fabric gloves. 229,011; June 14.

Kelly Co., The, Cleveland, Ohio. Candy, salted nut meats, and peanut butter. 228,843; June 14; Serial No. 238,586; published Mar. 29, 1927.

Krank, Alfred J., doing business as J. Krank Manufacturing Company, St. Paul, Minn. Hairdressing preparations. 229,000; June 14.

La Societe Generale de Produits Specialises, Geneva, Switzerland. Laxative and cathartic in solid form. 228,878; June 14; Serial No. 241,230; published Apr. 5, 1927.

Lawrence, B., Stationery Company, New York, N. Y. Punches having a cutting edge. 65,715; renewed Oct. 22, 1927.

Lawrence, Incorporated, Philadelphia, Pa. Toilet preparations. 228,829; June 14; Serial No. 242,676; published Apr. 5, 1927.

Le Maire Perfumeur, Inc., Chicago, Ill. Face powders, creams, and packs, toilet waters, rouges, etc. 228,827; June 14; Serial No. 242,542; published Apr. 5, 1927.

Levy, Maurice, Company, The, New Rochelle, N. Y. Powder puffs. 228,970; June 14; Serial No. 209,043; published Feb. 23, 1926.

Lewis, Giles W., doing business as The Heftone Co., Vaughan, Miss. Vegetable and iron compound for use as a general tonic and system builder. 228,946; June 14; Serial No. 244,833; published Apr. 5, 1927.

Lexington Roller Mills Co., Inc., Lexington, Ky. Plain and self-rising wheat flour. 228,971; June 14; Serial No. 244,081; published Mar. 29, 1927.

Lieberman, Ed., Chicago, Ill. Bed springs. 228,902; June 14; Serial No. 243,275; published Apr. 5, 1927.

Lillie Mill Company, Franklin, Tenn. Plain and self-rising flour. 228,933; June 14; Serial No. 244,409; published Mar. 29, 1927.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic arc pencils and wire and rods. 229,027; June 14.

Los Angeles Soap Company, Los Angeles, Calif. Soda. 228,991; June 14; Serial No. 244,164; published Apr. 5, 1927.

Lowe Brothers Company, The, Dayton, Ohio. Paints and painters' materials. 65,447; renewed Sept. 24, 1927.

Loyless Publishing Company, Atlanta, Ga. Publication. 228,890; June 14; Serial No. 244,358; published Apr. 5, 1927.

Lubin, Lou I., Mount Vernon, N. Y. Ladies' hats, hat bodies, and hoods. 229,025; June 14.

Macfadden Publications Incorporated, New York, N. Y. Magazine. 228,992; June 14; Serial No. 244,165; published Apr. 5, 1927.

Macy, R. H., & Co., Inc., New York, N. Y. Safety-razor blades. 228,846; June 14; Serial No. 239,257; published Apr. 5, 1927.

Magic Coffee Company, Pittsburgh, Pa. Liquid coffee extract. 228,914; June 14; Serial No. 243,767; published Apr. 5, 1927.

Maples, Edward T., San Francisco, Calif. Periodical. 228,919; June 14; Serial No. 244,507; published Apr. 5, 1927.

Marietta Paint & Color Co., The, Marietta, Ohio. Combination fillers and stains. 64,898; renewed Aug. 27, 1927.

Martorano, Rosario, Brooklyn, N. Y. Hair tonics. 228,984; June 14; Serial No. 244,019; published Apr. 5, 1927.

Mauser Mill Company, Treichlers, Pa. Cake and pastry flour. 228,885; June 14; Serial No. 242,306; published Mar. 29, 1927.

May, Maurice W., New York, N. Y. Cleaning and polishing fluid. 229,024; June 14.

Metals Protection Corporation, Indianapolis, Ind. Salts and buffing compound for use in cadmium plating. 228,940; June 14; Serial No. 243,871; published Apr. 5, 1927.

Methodist Book Concern, The, Cincinnati, Ohio. Periodical. 228,889; June 14; Serial No. 244,361; published Apr. 5, 1927.

Miller-Smith, Inc., Cedar Grove, La. Mechanical toy figure. 228,993; June 14; Serial No. 244,173; published Apr. 5, 1927.

Moore, William, doing business as William Moore Company, Philadelphia, Pa. Shingles, slates, and tiles. 229,023; June 14.

Moroccan Estates, Inc., New York, N. Y. Leather cushions. 228,851; June 14; Serial No. 239,818; published Apr. 5, 1927.

Moseley & Motley Milling Co., Rochester, N. Y. Wheat flour. 65,246; renewed Sept. 17, 1927.

Moxie Nerve Food Company of New England, Saco, Me.; Boston, Mass.; and New York, N. Y., to The Moxie Company, Boston, Mass., successor. Beverage and sirup for making the same. 62,295; renewed Apr. 30, 1927.

Multibestos Company, Walpole, Mass. Transmission lining for Ford cars. 229,030; June 14.

Mutual Manufacturing Co. (See Webster, William A., Company, The.)

Myers, James M., to C. C. Seghers, Cincinnati, Ohio, successor. Remedy for diseases of the blood. 62,296; renewed Apr. 30, 1927.

Myers, Lewis E., & Company, Valparaiso, Ind. Scrolls and charts. 229,008; June 14.

Narrow Fabric Co., The, West Reading and Reading, Pa. Elastic fabric in the piece. 228,871; June 14; Serial No. 228,126; published Apr. 5, 1927.

National Golf Service Co., Inc., New York, N. Y. Card game. 228,972; June 14; Serial No. 244,087; published Apr. 5, 1927.

Nelson, Semion S., Hartford, Conn. Cough lozenges. 228,891; June 14; Serial No. 244,949; published Apr. 5, 1927.

Niketol, Inc., New York, N. Y. Anæsthetics. 228,979; June 14; Serial No. 244,463; published Apr. 5, 1927.

Oligear Company, The, Milwaukee, Wis. Hydraulic transmission units. 228,920; June 14; Serial No. 244,511; published Apr. 5, 1927.

Oshkosh Muslin Underwear Co., Oshkosh, Wis. Ladies' skirts and dresses. 228,840; June 14; Serial No. 236,335; published Feb. 15, 1927.

Pacific Egg Producers Cooperative, Inc., New York, N. Y. House organ. 228,888; June 14; Serial No. 244,367; published Apr. 5, 1927.

Palais Royal, Inc., The, Washington, D. C. Automobile trunks, traveling bags, suitcases, leather cases, etc. 228,973; June 14; Serial No. 244,102; published Mar. 29, 1927.

Pålsson, Bror, Malmo, Sweden. Refrigerators, refrigerating apparatus, and ice-making machines and parts thereof. 228,881; June 14; Serial No. 241,633; published Apr. 5, 1927.

Para Pepsin Company. (See Segraves, T. J.)

Peabody, Lucy W., Cambridge, Mass. Magazine. 228,924; June 14; Serial No. 244,569; published Apr. 5, 1927.

Penn Handkerchief Co., Inc., Madison, N. C. Handkerchiefs. 228,939; June 14; Serial No. 243,878; published Apr. 5, 1927.

Peters Cartridge Company, The, Cincinnati, Ohio. Cartridges, loaded shells, caps, primers and powder. 65,656; renewed Oct. 15, 1927.

Pfueger, E. A., Company, The, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing tackle. 65,990; renewed Nov. 5, 1927.

Pfueger, E. A., Company, The, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Harness trimmings. 65,991; renewed Nov. 5, 1927.

PhaMaSal Company. (See Campbell, Dundas R.)

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Coal. 229,012; June 14.

Pierce, S. S., Co., Boston, Mass. Foods. 62,560; renewed May 14, 1927.

Pillet, Alphonse, doing business as Pillet, New York, N. Y. Perfumes. 228,964–5; June 14. Serial Nos. 242,064–5; published Apr. 5, 1927.

Pinus Medicine Company, Monticello, Ill. Internal remedies. 228,969; June 14; Serial No. 227,472; published Apr. 5, 1927.

Pitt, C. M., & Sons Company, The, Baltimore, Md. Beverage and sirup for making same. 228,899; June 14; Serial No. 243,230; published Apr. 5, 1927.

Poar, Charles B., Glendale, Calif. Bottles made of glass. 229,005; June 14.

Poix, G. M., Inc., Brooklyn, N. Y. Brassières. 228,852; June 14; Serial No. 240,090; published Feb. 15, 1927.

Powell Drug Co., Sylvania, Ga. Medicine for the treatment of headaches, neuralgia, etc. 228,987; June 14; Serial No. 243,967; published Apr. 5, 1927.

Prescott Company, The, Menominee, Mich. Sawmill and mining machinery, accessories, and parts. 228,847; June 14; Serial No. 239,379; published Apr. 5, 1927.

Prescription Laboratories. (See James, Mrs. I. Leonard.)

Prest-O-Lite Company, The, Indianapolis, Ind., assignor to Prest-O-Lite Company, Inc., New York, N. Y. Liquid gas in portable tanks for inflating tires. 63,422; renewed June 18, 1927.

Pre-Test Products Company, Sedalia, Mo. Digestant for all poultry. 228,938; June 14; Serial No. 243,884; published Apr. 5, 1927.

Primrose, Dorothy, Portland, Oreg. Candles. 229,009; June 14.

Pro Distributors Publishing Company, Inc., New York, N. Y. Magazine. 228,836; June 14; Serial No. 243,109; published Apr. 5, 1927.

Purity Produce Corporation, Los Angeles, Calif. Canned fruits, vegetables, fish, berries, olives, condiments, etc. 229,019; June 14.

Rand McNally and Company, Chicago, Ill. Publication. 228,932; June 14; Serial No. 244,471; published Apr. 5, 1927.

Ranier Pharmaceutical Products Co., Kenmore, N. Y. Pharmaceutical preparations. 228,915; June 14; Serial No. 243,783; published Apr. 5, 1927.

Rea-Patterson Milling Company, The, Coffeyville, Kans. Wheat flour. 228,886; June 14; Serial No. 242,393; published Mar. 29, 1927.

Riedel, J. D., Aktiengeselischaft, Berlin-Britz, Germany. Spasmodic used in the treatment of tabes, pseudotabes, etc. 228,832; June 14; Serial No. 242,801; published Apr. 5, 1927.

Rockwood Brothers Company, Chicago, Ill. Sugar. 65,915; renewed Oct. 29, 1927.

Rogers Isinglass and Glue Company, Gloucester, Mass. Glues, dry and liquid, art rubber, mending fluid, pastes, etc. 229,021; June 14.

Romano, Charles G., doing business as Charles G. Romano & Co., New York, N. Y. Fruit jams. 228,828; June 14; Serial No. 242,621; published Apr. 5, 1927.

Roper, Geo. D., Corporation, Rockford, Ill. Gas ranges, plates, heaters, and stoves. 228,863; June 14; Serial No. 219,912; published Apr. 5, 1927.

Royal Nut Margarine Company, Los Angeles, Calif. Oleomargarine. 229,018; June 14.

Saletan, Samuel, doing business as Brooklyn Scientific Products Company, Brooklyn, N. Y. Medicinal preparations. 228,981; June 14; Serial No. 244,720; published Apr. 5, 1927.

Scandinavia Belting Company, The, Newark, N. J. Woven belting, transmission and brake lining. 228,958; June 14; Serial No. 243,174; published Apr. 5, 1927.

Scott County Milling Company, Sikeston, Mo. Wheat flour. 228,974; June 14; Serial No. 244,110; published Mar. 29, 1927.

Seacoast Canning Company, Eastport, Me. Canned fish. 228,862; June 14; Serial No. 219,772; published Apr. 5, 1927.

Seghers, Carroll C. (See Myers, James M.)

Segraves, T. J., doing business as Para Pepsin Company, Henry, Ill. Laxative compound. 229,003; June 14.

Seroogy, Solomon R., doing business as Sol Seroogy, Green Bay, Wis. Bar candies. 228,831; June 14; Serial No. 242,752; published Apr. 5, 1927.

Sethness Company, Chicago, Ill. Beverages and concentrates for making same. 228,941; June 14; Serial No. 244,790; published Apr. 5, 1927.

Shawmut Tire Company, Boston, Mass., assignor to Hood Rubber Company, Watertown, Mass. Rubber vehicle tires. 64,839; renewed Aug. 27, 1927.

Sherman, Howard B., Battle Creek, Mich. Nozzles. 65,949; renewed Oct. 29, 1927.

Shotwell Mfg. Co., Chicago, Ill. Candy bar. 228,858; June 14; Serial No. 203,979; published Mar. 22, 1927.

Shotwell Mfg. Co., The, Chicago, Ill. Candy bar. 228,967; June 14; Serial No. 237,290; published Apr. 5, 1927.

Silvertown Baking Corporation, Brooklyn, N. Y. Cakes, cookies, wafers, etc. 228,844; June 14; Serial No. 238,748; published Dec. 14, 1926.

Smith, A. O., Corporation, Milwaukee, Wis. Covered metallic-arc-welding electrodes. 229,014; June 14.

Smith Brothers Publishers, Inc., New York, N. Y. Magazine. 228,895; June 14; Serial No. 244,030; published Apr. 5, 1927.

Societe Anonyme "Les Hespéridées," Paris, France. Oils, essences, and raw materials for perfumes and perfumery products. 228,980; June 14; Serial No. 244,579; published Apr. 5, 1927.

Spirak, Max, New York, N. Y. Silk piece goods. 228,942; June 14; Serial No. 244,798; published Apr. 5, 1927.

Stearns, F. U., & Company, New York, N. Y. Cotton piece goods. 228,917; June 14; Serial No. 244,479; published Apr. 5, 1927.

Stearns, Frederick, & Company, Detroit, Mich. Medicinal preparation for the treatment of coughs, colds, etc. 228,976; June 14; Serial No. 244,437; published Apr. 5, 1927.

Steedman, John, & Company, London, England. Teething powders. 228,978; June 14; Serial No. 244,449; published Apr. 5, 1927.

Stocking, George E., Rochelle, Ill. Canned vegetables. 228,999; June 14.

Stone Malt Co. (See Goldman, Sigmund L.)

Sullivan Company, The, Memphis, Tenn. Asbestos fiber cement. 229,006; June 14.

Suma-Dore Products, Inc., New York, N. Y. Toilet preparations. 228,968; June 14; Serial No. 231,501; published Nov. 16, 1926.

Sunland Laboratories Inc., Los Angeles, Calif. Shampoo, hair rinse, hair tonic, and hairdressing. 228,954; June 14; Serial No. 244,894; published Apr. 5, 1927.

Sunnyside Citrus Association, Porterville, Calif. Oranges, lemons, and grapefruit. 229,002; June 14.

Super Oil Heater Company, The, Hartford, Conn. Oil burners and oil heaters. 228,867; June 14; Serial No. 226,797; published Apr. 5, 1927.

Susquehanna Silk Mills, New York, N. Y. Silk piece goods. 228,864; June 14; Serial No. 225,623; published Apr. 5, 1927.

Susquehanna Silk Mills, assignor to Susquehanna Silk Mills, New York, N. Y. Silk and silk mixed piece goods. 65,707; renewed Oct. 15, 1927.

Sweetex Products. (See Flanigan, A. Roy.)

Tennessee Stove Works, Chattanooga, Tenn. Coal, wood, or gas ranges. 228,896; June 14; Serial No. 244,033; published Apr. 5, 1927.

Textile Publishing Company, New York, N. Y. Periodical publication. 228,882; June 14; Serial No. 241,797; published Apr. 5, 1927.

Thayer Pharmacal Co., Chicago, Ill. Toilet creams. 229,004; June 14.

Toloma Creamery, Los Angeles, Calif. Butter. 228,937; June 14; Serial No. 243,896; published Mar. 29, 1927.

Tremaine Alfalfa Ranch & Milling Company, Mesa, Ariz. Lettuce. 228,948; June 14; Serial No. 244,801; published Apr. 5, 1927.

Two in One Confection Company, Latrobe, Pa. Cake comprising a wheat product and milk chocolate. 228,860; June 14; Serial No. 215,717; published Apr. 5, 1917.

Union Publishing Company, Dallas, Tex. Magazine. 228,921; June 14; Serial No. 244,521; published Apr. 5, 1927.

United States Fuel Company, Salt Lake City, Utah. Coal. 228,934; June 14; Serial No. 210,819; published Oct. 13, 1925.

Van Houten, Inc., New York, N. Y., assignor to C. J. Van Houten & Zoon, Weesp, Netherlands. Candy in form of chocolate wafers. 228,868; June 14; Serial No. 226,837; published Apr. 5, 1927.

Voneiff-Drayer Co., Baltimore, Md. Candy. 228,994; June 14; Serial No. 244,195; published Apr. 5, 1927.

Walker, Robert, Philadelphia, Pa. Liniment. 229,017; June 14.
Washburn Crosby Company, Minneapolis, Minn. Semolina. 228,995; June 14; Serial No. 244,259; published Mar. 29, 1927.
Watkins, J. R., Company, The, Winona, Minn. Hog, poultry, and livestock mineral ration. 228,834; June 14; Serial No. 242,870; published Mar. 29, 1927.
Webster, F. S., Company, Boston, Mass. Inking ribbons and carbon paper. 228,925; June 14; Serial No. 244,585; published Apr. 5, 1927.
Webster, William A., Company, The, Memphis, Tenn. Shaving creams, mouth washes, foot powders, etc. 228,960; June 14; Serial No. 243,332; published Apr. 5, 1927.
Webster, William A., Company, The, doing business as Mutual Manufacturing Co., Memphis, Tenn., and Kansas City, Mo. Shaving cream. 228,903; June 14; Serial No. 243,331; published Apr. 5, 1927.
Wensley Metal Products Company, The, Denver, Colo. Drum traps. 228,906; June 14; Serial No. 243,676; published Apr. 5, 1927.
Western Glass Company, The, Streator, Ill. Figured sheet glass. 228,874; June 14; Serial No. 228,878; published Apr. 5, 1927.
Wheeler Reid Publications, Inc., Hollywood, Calif. Periodical publication and magazine. 228,842; June 14; Serial No. 238,526; published Apr. 5, 1927.
White Company, The, Cleveland, Ohio. Publication. 228,955–6; June 14; Serial Nos. 244,902–3; published Apr. 5, 1927.
Whiting, John L.-J. J. Adams Company, Boston, Mass. Brushes for painting, varnishing, or applying various liquids, etc. 228,865–6; June 14; Serial Nos. 226,404–5; published Apr. 5, 1927.
Wilkening Manufacturing Company, Philadelphia, Pa. Piston rings. 228,947; June 14; Serial No. 244,841; published Apr. 5, 1927.
Willys-Overland Company, The, Toledo, Ohio. Passenger-carrying automobiles. 228,989; June 14; Serial No. 243,837; published Apr. 5, 1927.
Winchell, Talbot, Hollywood, Calif. Honey. 229,013; June 14.
Winter, Oscar, Philadelphia, Pa. Table pads. 229,029; June 14.
Winterbottom Book Cloth Company, Limited, The, Manchester, England. Tracing cloth. 63,767–8; renewed July 9, 1927.
Winterbottom Book Cloth Company, Limited, The, Manchester, England. Tracing cloth. 63,789–90; renewed July 9, 1927.
Winterbottom Book Cloth Company, Limited, The, Manchester, England. Bookbinders' cloth. 63,791; renewed July 9, 1927.
Winterbottom Book Cloth Company, Limited, The, Manchester, England. Tracing cloth. 63,901; renewed July 16, 1927.
Wollman Silk Corporation, New York, N. Y. Silk piece goods. 228,879; June 14; Serial No. 241,310; published Apr. 5, 1927.
Youngstown Steel Door Co., The, Cleveland, Ohio. Steel car doors and fixtures therefor. 228,845; June 14; Serial No. 238,936; published Apr. 5, 1927.
Yund, Kennedy & Yund, Amsterdam, N. Y. Woolen piece goods. 228,948; June 14; Serial No. 244,843; published Apr. 5, 1927.
Zohman, Nathan, doing business as Acme Cork Co., New York, N. Y. Wooden faucets. 228,928; June 14; Serial No. 244,643; published Apr. 5, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Benjamin Franklin Cigar Mfg. Co. Inc., Philadelphia, Pa. Franklin Club. For Cigars. 32,274; June 14.
Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany. Bosch Spark Plug. For Spark Plugs. 32,275; June 14.
Campana Corporation, Batavia, Ill. Campana's Italian Balm. For Skin-Softening Preparation. 32,276–7; June 14.
Canoga Citrus Association, Owensmouth, Calif. Silver Bell. For Oranges. 32,278; June 14.
Canoga Citrus Association, Owensmouth, Calif. Twilight. For Oranges. 32,279; June 14.
Canoga Citrus Association, Owensmouth, Calif. Canoga. For Oranges. 32,280; June 14.
Cochran-Turney-Crispo, Inc., New York, N. Y., and Los Angeles, Calif. Crisp-O. For Iceberg Lettuce. 32,285; June 14.
Gainesville Farmers Association, Inc., Gainesville, Fla. Alachua County Pride, U. S. No. 1. For Fresh Cucumbers. 32,286; June 14.
Gainesville Farmers Association, Inc., Gainesville, Fla. Alachua County Pride, U. S. Fancy No. 1. For Fresh Cucumbers. 32,287; June 14.
Hills Brothers Company, The, New York, N. Y. Dromedary Dates. For Dates. 32,288; June 14.
Horst, E. Clemens, Co., San Francisco, Calif. Sugar-sweet. For Canned Peaches. 32,281; June 14.
Horst, E. Clemens, Co., San Francisco, Calif. Farmpack. For Canned Peaches. 32,282; June 14.
Horst, E. Clemens, Co., San Francisco, Calif. Horst's. For Canned Peaches. 32,283; June 14.
Horst, E. Clemens, Co., San Francisco, Calif. Freshpack. For Canned Peaches. 32,284; June 14.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Country Club. For Coffee. 32,289; June 14.
Magnus, S. W., & Company, New York, N. Y. Sonny. For Boys' Handkerchiefs. 32,290; June 14.
Montaperto, Giuseppe, Brooklyn, N. Y. Stromboli. For Macaroni. 32,291; June 14.
Nelson, Roy, doing business as Roy Nelson Canning Co., Crane, Mo. Horse Shoe. For Canned Tomatoes. 32,292; June 14.
Onorato, G., doing business as Union Products Co., New Orleans, La. Jackson Brand. For Malt Extract. 32,293; June 14.
Sierra Vista Packing Association, Riverside, Calif. Peasant. For Oranges. 32,294; June 14.
Smith-McCord-Townsend Dry Goods Co., doing business as Smith-McCord-Townsend Co. and Smith-McCord-Townsend D. G. Co., Kansas City, Mo. Keystone. For Shirts and Nightshirts. 32,295; June 14.
Stratford Chocolate Company, Inc., Baltimore, Md. Stratford Chocomix. For Prepared Chocolate and Cocoa Powder. 32,296; June 14.
Teague-McKevett Co., Santa Paula, Calif. Silver Cord. For Lemons. 32,297; June 14.
Teague-McKevett Co., Santa Paula, Calif. Compass. For Lemons. 32,298; June 14.
Teague-McKevett Co., Santa Paula, Calif. Pitcher. For Lemons. 32,299; June 14.
Teague-McKevett Co., Santa Paula, Calif. Fountain. For Lemons. 32,300; June 14.
Union Products Co. (See Onorato, G.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Millions Know What They Want. For Athletic Underwear. 9,914; June 14.
Engelhard, A., & Sons Co., Louisville, Ky. Mark It Every Market-Day. For Coffee. 9,915; June 14.
Harman, William S., Columbus, Ohio. Baird's Peerless Hocking. For Coal. 9,916; June 14.
Harman, William S., Columbus, Ohio. Mammoth Pomeroy Block. For Coal. 9,917; June 14.
Harman, William S., Columbus, Ohio. W. S. H. Pocahontas. For Coal. 9,918; June 14.
Harman, William S., Columbus, Ohio. W. H. S. Sootless. For Coal. 9,919; June 14.
Hinkel, Francis J., Canton, Ohio. The Nest Builder. For Homes. 9,920; June 14.
Hopkinson & Haigh, Philadelphia, Pa. Hopkinson & Haigh's Scotch Hams. For Hams. 9,921; June 14.
La France Manufacturing Company, Philadelphia, Pa. La France. For Laundry Tablets. 9,922; June 14.
Marcus & Company, New York, N. Y. Dear Ancient. For Jewelry. 9,923; June 14.
Marcus & Company, New York, N. Y. Master of the Hours. For Jewelry. 9,924; June 14.
Marcus & Company, New York, N. Y. Prologue. For Jewelry. 9,925; June 14.
Marcus & Company, New York, N. Y. On Buying Pearls. For Jewelry. 9,926; June 14.
Marcus & Company, New York, N. Y. That Unconquerable Crystal. For Jewelry. 9,927; June 14.
Marcus & Company, New York, N. Y. That Certain Color. For Jewelry. 9,928; June 14.
Peppy-Cheese Co., Not Inc., Chicago, Ill. Pep-O-Cheese. For Cheese. 9,929; June 14.
Reid, Murdoch & Co., Chicago, Ill. Treasure. For Groceries. 9,930; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Modern Smoking Pleasure That Never Fails. For Cigarettes. 9,931; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. You Can Quote Me On This. For Tobacco. 9,932; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Your Tongue Says: 'Thank You!' For Tobacco. 9,933; June 14.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. This Modern Age Knows That Camel Goodness is Dependable. For Cigarettes. 9,934; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Goodness Made Camel Famous. For Cigarettes. 9,935; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A.—The Password to Pipe-Pleasure. For Tobacco. 9,936; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. For Cigarettes? I Should Say 'Yes!' For Tobacco. 9,937; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Modern Taste Revels in the Goodness of Camel. For Cigarettes. 9,938; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Means a Lot to Me. For Tobacco. 9,939; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. To You—Experienced Smokers . . . For Cigarettes. 9,940; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Camels Are Superb Tobaccos in a Joyous Blend. For Cigarettes. 9,941; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. These Moderns Demand Camels. For Cigarettes. 9,942; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Camel's Friends Know and Demand Choice Tobaccos. For Cigarettes. 9,943; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. You Can Have Your Private Yacht. For Tobacco. 9,944; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Modern Preference Finds Its Choice in Camel. For Cigarettes. 9,945; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. You'd Think P. A. Was on Wheels! For Tobacco. 9,946; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Why Camel Leads the World. For Cigarettes. 9,947; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. First With The Modern Age. For Cigarettes. 9,948; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. I Usually Pick a Winner. For Tobacco. 9,949; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Sure Does Things to a Pipe. For Tobacco. 9,950; June 14.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Lead Me to P. A. Every Time. For Tobacco. 9,951; June 14.
Rossid Manufacturing Corporation, Orlando, Fla. The Rossid Lacerates the Paper and Inks the Shredded Edges. For Pocket Check Protectors. 9,952; June 14.
Stanco Distributors, Incorporated, Wilmington, Del. A Winner For Grocers! Flit. For Insecticide. 9,953; June 14.
Standard Oil Company (New Jersey), Bayonne, N. J. Kill Moths with Flit—Does Not Stain. For Insecticide. 9,954; June 14.
Standard Oil Company (New Jersey) Bayonne, N. J. Colds, Coughs, Catarrh—Mistol. For Nose and Throat Spray. 9,955; June 14.
Standard Oil Company (New Jersey) Bayonne, N. J. Hay Fever Its Cause, Prevention and Relief Mistol. For Nose and Throat Spray. 9,956; June 14.
Standard Spring Co., Chicago, Ill. We Specialize in Chrome Vanadium Steel. For Automobile Springs. 9,957; June 14.
Taylor, Thomas D., Philadelphia, Pa. Today Only. For Publications. 9,958; June 14.
Tom Dick & Harry of Mass. Inc., New York, N. Y. Tom Dick & Harry. For Boots, Shoes, and Rubbers. 9,959; June 14.
Walker & Forbes, Inc., Mamaroneck, N. Y. The Packing That Packs All. For Packing Material. 9,960; June 14.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Agrippa Company, Albany, Ga. Preparation for the treatment of coughs, colds, etc. 248,609; June 14.
Ahrens Publishing Company, Inc., New York, N. Y. Magazine. 248,610–11; June 14.
Aillery, Joseph L., New Bedford, Mass. Preparation for the treatment of neuritis, etc. 247,923; June 14.
Aird-Don Company, Troy, N. Y. Basin cocks, bath cocks, bibs, soldering nipples, etc. 246,321; June 14.
Aktiebolaget Pastill, Gefle, Sweden. Confections and sweets. 228,289; June 14.
Alkasan Products, Inc., Chicago, Ill. Dental powder. 248,666; June 14.
Amalgamated Dental Company Limited, The, London, England. Artificial teeth, dental cement, dental waxes, etc. 246,585; June 14.
Amateur Cinema League, Inc., New York, N. Y. Magazine. 248,887; June 14.
American Retail Stores Co., The, Columbus, Ohio, and Indianapolis, Ind. Men's topcoats, overcoats, and suits. 235,447; June 14.
Amme-Luther Werke Braunschweig der "Misag" Mühlenbau und Industrie Aktiengesellschaft, Braunschweig, Germany. Hammer mills and other stone crushers. 248,461; June 14.
Anderson, Jos., & Co. Inc., New York, N. Y. Ladies' hats. 247,768; June 14.
Anti-Kan Soap Company. (See Jones, Thomas A.)
Arkin, James A., doing business as Etablissement D'Arnot, Hollywood, Calif. Perfumery. 248,464; June 14.
Arkwright Finishing Company, Providence, R. I. Tracing cloth and pencil cloth. 245,686; June 14.
Army and Navy Courier, The. (See Sullivan, McKenzie J.)
Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Hydraulic cement. 246,146; June 14.
Atkins, E. C., & Company, Indianapolis, Ind. Swages and swage shapers. 247,589; June 14.
Atlantic Mills, The, Olneyville R. I., and Stottville, N. Y. Woolen textile fabrics. 248,466; June 14.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics in the piece. 248,469; June 14.
Banner Watch Co. (See Schein & Engel Co.)
Batsos, J., Woodlawn, Pa. Ointment. 242,167; June 14.
Battle Creek Food Co., Battle Creek, Mich. Crackers, wafers, etc. 242,564; June 14.
Bayer Company, Inc., The, New York, N. Y. Grass stimulants. 246,949; June 14.
Beaver, Herman L., Philadelphia, Pa. Polishing and burnishing material made of metal. 248,545; June 14.
Bedell, Harry M., doing business as Bedell Mfg. Company, Washington, D. C. Mattresses. 248,472; June 14.
Beich, Paul F., Company, Chicago, Ill. Candy. 243,920; June 14.

Belvedere Toilet Products Inc., St. Paul, Minn. Cold cream, vanishing cream, hair tonic, etc. 227,769; June 14.
Best & Co., Inc., New York, N. Y. Porcelain and china bedroom chambers, cereal sets, and chinaware. 242,468; June 14.
Best & Co., Inc., New York, N. Y. Chariots, gocarts, strollers, perambulators, and prams. 242,470; June 14.
Biberger, George, San Francisco, Calif. Magnetic coil for therapeutic purposes. 244,422; June 14.
Bischoff, Ernst Co. Inc., New York, N. Y. Treatment for amœbic dysentery. 248,342; June 14.
Blackburn, Maurice D., doing business as Mother Vance Co., Dixon, Ill. Poultry medicine. 244,652; June 14.
Bliss, Alonzo O., Medical Company, The, Washington, D. C. Internal herb remedies for diseases of the blood, kidneys, and liver. 245,467; June 14.
Bochmann, F. A., & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods manufactured in the piece. 246,950; June 14.
Bradham, Caleb D., doing business as Bradham Drug Company, New Bern, N. C. Medicine for use in the treatment of coughs and spasmodic croup. 247,728; June 14.
Brecht & Richter Company, Minneapolis, Minn. Concentrates, sirups, and flavors used in the preparation of soft drinks. 245,046; June 14.
Brewer, Charles M., Oklahoma City, Okla. Maltless extract. 247,595; June 14.
Brigadell, James C., Atlantic City, N. J. Digestive tonic. 248,279; June 14.
Broady, Joseph C., doing business as Vita-Ray Company, San Diego, Calif. Cereal health food. 244,914; June 14.
Brockman, Ernest W., doing business as Brockman Brothers, New York, N. Y. Agate buttons. 248,150; June 14.
Burkhardt Bros. Co., The, Cincinnati, Ohio. Men's straw hats. 246,150; June 14.
Butzbach, Irwin R., South Bend, Ind. Bananas. 247,064; June 14.
California Medicinal Wine Co., Los Angeles, Calif. Wine elixir. 240,167; June 14.
California Preserving Co., Los Angeles, Calif. Jelly, jam, fruit preserves, etc. 248,551; June 14.
Campbell and Minkel, New York, N. Y. Composition of matter for improving the combustion of fuel oils. 240,400; June 14.
Carborundum Company, The, Niagara Falls, N. Y. Radiating combustion chambers. 246,661; June 14.
Carlton Mills, Inc., New York, N. Y. Pyjamas, nightrobes, underwear, etc. 247,887; June 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Carp & Co., Mount Vernon, Ill. Overalls, work shirts, pants, etc. 247,002; June 14.
Casa Anchorena, Inc., New York, N. Y. Rubber heels. 246,462; June 14.
Champlain Silk Mills, New York, N. Y. Yarn. 248,618; June 14.
Chatham Petroleum Company. (See Srager, Grace.)
Chemisch-pharmazeutische A. G. Bad Homburg, Bad Homberg, Germany. Preparations made from fresh camomile. 241,867; June 14.
Chemisch-pharmazeutische A. G. Bad Homburg, Bad Homberg, Germany. Medicinal preparation. 241,868; June 14.
Cherry, P. L., Co., Inc., Portland, Oreg. Fuel chutes, joist pockets, etc. 242,568; June 14.
Chicago Mail Order Company, Chicago, Ill. Shirts and pants. 246,667. June 14.
Cities Service Oil Company, Cleveland, Ohio. Kerosene, gasoline, lubricating oils, and greases. 244,493; June 14.
Claflin Flour Mills, The. (See Colorado Milling & Elevator Co., The.)
Cleveland Buckram & Bag Co., The, Cleveland, Ohio. Mats. 246,465; June 14.
Cleveland Chamber of Commerce, The, Cleveland, Ohio. Periodical. 247,988; June 14.
Colorado Milling & Elevator Co., The, Denver, Colo., also doing business as The Pacific Seed House, Salt Lake City, Utah. Horse, cow, chicken, etc., feed. 248,620; June 14.
Colorado Milling & Elevator Co., The, Denver, Colo., also doing business as The Claflin Flour Mills, Claflin, Kans. Wheat flour. 248,621; June 14.
Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio sets and parts thereof. 247,171–2; June 14.
Convex Sign Company. (See Smith, Arthur, assignor.)
Cooper Rain Wear Mfg. Co., New York, N. Y. Raincoats. 247,461; June 14.
Corning Glass Works, Corning, N. Y. Glass. 247,781; June 14.
Corning Glass Works, Corning, N. Y. Glass. 247,839; June 14.
Crawford, W. F., Company, Waco, Tex. Trunks, valises, pocketbooks, and bags. 246,530; June 14.
Creme Jasmin Company, Minneapolis, Minn. Skin lotions. 231,310; June 14.
Crescent Belt Fastener Company, New York, N. Y. Rivets. 246,952–4; June 14.
Crestwell Hatters, Inc., New York, N. Y. Men's stiff and felt hats. 247,361; June 14.
Cseh, Joseph, Porters Corners, N. Y. Medicinal preparation. 248,677; June 14.
Cumberland Shoe Co., Newark, N. J. Shoes, slippers, and boots; overshoes, and shoe findings. 247,989; June 14.
Cushman-Hollis Company, Auburn, Me. Shoes. 247,173; June 14.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Pumps. 247,783; June 14.
Delco-Remy Corporation, Dayton, Ohio. Electrically-operated sound signals for automobiles, etc. 244,097; June 14.
Deutsche Xylolith-Platten-Fabrik Otto Sening & Co., G. m. b. H., Freital-Potschappel, Germany. Flooring materials. 240,407; June 14.
Diem, Theodore A., doing business as Diem Electric Co., Chicago, Ill. Heating elements designed for use in repairing of electrical household utilities. 247,315; June 14.
Dirt-Kut Company, The, Springfield, Ohio. Product composed of steel wool and soap for cleansing, scouring, and polishing. 247,001; June 14.
Dolph-Murray, Inc., New York, N. Y. Men's suits, pants, overcoats, shirts, etc. 245,622; June 14.
Drese, W. F., doing business as Drese Safety Toe Shoe Company, St. Louis, Mo. Shoes. 248,032; June 14.
Dry Storage Battery Corporation, Philadelphia, Pa. Dry batteries. 247,464; June 14.
Dudley Paper Co., The, Lansing, Mich. School blank books, etc. 246,087; June 14.
Duplan Silk Corporation, New York, N. Y. Rayon and silk mixed piece goods. 248,161; June 14.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 248,162; June 14.
Eaton, Charles A., Company, Brockton, Mass. Shoes. 244,220; June 14.
Eddy-Form Brassiere Co., Inc., New York, N. Y. Corsets, girdles, and ladies' underwear. 247,680–1; June 14.
Egon Braun Aktiengesellschaft, Hamburg, Germany. Medicated wines, herb extracts, etc. 245,535–6; June 14.
Electric Refrigeration Corporation, Detroit, Mich. Refrigerators, mechanical refrigerating apparatus, and parts thereof. 248,558; June 14.
Electrical Research Laboratories, Chicago, Ill. Radio-transformers, radio receiving sets, tuning units, plugs, etc. 248,166; June 14.
Electrolux Servel Corporation, New York, N. Y. Electric refrigerators, refrigerator parts, systems, and filters. 247,991; June 14.
Ellen Watch Case Co., Inc., New York, N. Y. Watch-cases. 248,890; June 14.
Embee Laboratories. (See Muster & Bauman.)
Empire Milking Machine Company, Bloomfield, N. J. Milking machines and parts thereof and milking-machine systems and parts therefor. 192,609; June 14.
Endel & Peles Straw Hat Works, Inc., Beacon and New York, N. Y. Straw hats. 228,746; June 14.
Eng, Joe, doing business as J. & J. Brothers, Chicago, Ill. Ginger root preserved in sirup, preserved mixed fruit, etc. 230,389; June 14.
Erté, Inc., New York, N. Y. Perfumes, body lotions, face powders, etc. 247,528; June 14.
Etablissement D'Arnot. (See Arkin, James A.)
Ethyl Gasoline Corporation, Moraine City, Ohio. Motor fuel oils. 247,366; June 14.
Evans, Thos., doing business as The Seajoy Coy, London, England. Antiseasickness plaster. 243,533; June 14.
Excelsior Shoe Company, The, Portsmouth, Ohio. Shoes and boots. 248,228; June 14.
Fannie May Candy Co. Inc., Washington, D. C. Candy. 248,094; June 14.
Federal Mail Order Corporation, New York, N. Y. Watches, watch movements, and parts of watches. 247,731; June 14.
Felnstein, Joseph, New York, N. Y. Watches, watch movements, watchcases, and parts thereof. 248,629–30; June 14.
Fergusson, Erna, doing business as Koshare Tours, Albuquerque, N. M. Road maps, tourists' guides, etc. 230,620; June 14.
Firestone-Apsley Rubber Company, Hudson, Mass. Boots and shoes of rubber and fabric. 226,894; June 14.
Fitzgerald, David F. M., doing business as Fitzilk Shirt Company, Fall River, Mass. Shirts. 246,745; June 14.
Fitzilk Shirt Company. (See Fitzgerald, David F. M.)
Flaherty Baking Company, Covington, Ky. Bread. 248,356; June 14.
Flour Mills of America, Inc., Kansas City, Mo. Wheat flour, rye flour, Graham flour, etc. 244,531; June 14.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 247894; June 14.
Fordyce Lumber Company, Fordyce, Ark. Wood flooring. 247,425; June 14.
Frost, Samuel, New York, N. Y. Electric hand irons. 246,156; June 14.
Gash-Stull Company, Chester, Pa. Trailers, gravity dumps, dump bodies, axles, brakes, etc. 246,829; June 14.
Geist, Harry, Company, Inc., New York, N. Y. Hoods of wool, straw, hemp, horsehair, etc. 230667; June 14.
General Beverage Company, Baltimore, Md. Beverages and sirups for making the same. 248,563; June 14.
General Dyestuff Corporation, New York, N. Y. Dyestuffs. 248,404; June 14.
Gerstenzang, Leo, Co., Inc., The, New York, N. Y. Swabs. 245,007; June 14.
Glika, J. A., A. G., Berlin, Germany. Beverage. 244,926; June 14.
Gladding McBean & Co., San Francisco, Calif. Publication. 248,566; June 14.
Godchaux Sugars Inc., Reserve, La. Cane-sugar sirups. 245,547; June 14.
Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's suits and overcoats. 247,949; June 14.
Graf, William, doing business as Southwark Beverage & Products Co., Philadelphia, Pa. Malt sirups for beverage purposes. 248,362; June 14.
Grain Belt Mills Company, South St. Joseph, Mo. Cattle feed. 248,661; June 14.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Tire pumps and jacks. 248,229; June 14.
Grasselli Chemical Company, The, Cleveland, Ohio. Plant foods and fertilizers. 248,408; June 14.
Griffith Laboratories, Inc., The. (See Lavin, Harry, assignor.)
Griggs, Cooper & Company, St. Paul, Minn. Shoe laces. 231,858; June 14.
Guggenheim Bros., Chicago, Ill. Sausage, bacon, ham, and dried beef. 247,020; June 14.
Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Dry cleaner. 243,436; June 14.
Gumport, J. I., and Sons, Inc., New York, N. Y. Cravats, ties, mufflers, etc. 243,437; June 14.
Haberkorn, L. J., Chatsworth, Ill. Medicinal composition for removing warts. 238,654; June 14.
Haley, C. J., & Co., Inc., New York, N. Y. Sanitary aprons, step-ins, bloomers, petticoats, etc. 233,074; June 14.
Harper & Kirschten Shoe Co., The, Chicago, Ill. Shoes. 244,692; June 14.
Hays Manufacturing Company, Erie, Pa. Drilling and tapping machines and parts thereof. 242,193; June 14.
Herbert Sales Co. (See Zelger, Herbert W.)
Highland Mills, Inc., Little Falls, N. Y. Hosiery, underwear, sweaters, etc. 243,362; June 14.
Hillside Cotton Mills, doing business as Valway Mills, Lagrange, Ga. Textile rugs. 247,735; June 14.
Hillside Cotton Mills, doing business as Valley Mills, Lagrange, Ga. Industrial wiping cloths. 247,736–7; June 14.
Himelhoch Brothers & Company, Detroit, Mich. Hosiery. 247,472; June 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hitzfeld, Marie A. K., Viuda de Diego Gomez, Seville, Spain. Olives. 243,154; June 14.
Hodge, G. Howard, New York, N. Y. Ladies' hats, hat frames, and hat linings. 239,475; June 14.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, rubber overshoes, etc. 245,489; June 14.
Hughey, Author M., doing business as The Super-Products Co., Decatur, Ill. Gasoline. 246,410; June 14.
Inderrieden Canning Co., Chicago, Ill. Canned vegetables. 246,287; June 14.
International Motor Company, New York, N. Y. Motor trucks. 247,861; June 14.
International Player-Roll Company, Inc., Brooklyn, N. Y. Music rolls and combination music and word rolls for use on player pianos. 245,643; June 14.
J. & J. Brothers. (See Eng, Joe.)
Jacobs & Josef Kohn & Mundus, Inc., New York, N. Y. Furniture. 239,936; June 14.
Jaunty Garment Co. Inc., New York, N. Y. Suits, coats, and dresses. 245,096; June 14.
Johnson, W. H., & Son Company, Indianapolis, Ind. Heating radiator shields and inclosures. 247,797; June 14.
Jones, Thomas A., doing business as Anti-Kan Soap Company, Cambria, Ill. Medicated soap. 248,236; June 14.
Jones, Vess, doing business as the Whistle Company of America, Inc., New York, N. Y. Beverages. 247,132; June 14.
Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Nails. 248,575; June 14.
Kibbe Brothers Company, Springfield, Mass. Candies in the form of caramels. 246,164; June 14.
King Bros. Boiler Works, also doing business as King Bros., Portland, Oreg. Coated steel interment vaults. 246,485; June 14.
Klein, G., & Son, New York, N. Y. Rosaries. 247,025; June 14.
Koshare Tours. (See Fergusson, Erna.)
Laboratories Jaq Incorporated, New York, N. Y. Medicinal tablets. 245,912; June 14.
La France Hat Co., Inc., New York, N. Y. Women's, misses', and children's hats. 248,004; June 14.
Larabee Flour Mills Company, The, Kansas City, Mo. Wheat flour. 246,295; June 14.
Lavin, Harry, Canton, Ohio, assignor to The Griffith Laboratories, Inc., Chicago, Ill. Pickling salt. 245,992–3; June 14.
Leader Specialty Co., Inc., Indianapolis, Ind. Tank bulbs, union washers, force cups, sink gaskets, etc. 247,191; June 14.
Lemler, Harry, doing business as Lemler's Drug Stores, Baltimore, Md. Laxatives, general tonics, cod-liver-oil preparations, etc. 248,640; June 14.
Les Etablissements Poulenc Frères, Paris, France. Oxyacetylaminophenylarsinic acid. 248,776–7; June 14.
Levin, Joseph H., doing business as Ni-Vel Mfg. Co., Baltimore, Md. Face and hand lotion. 246,962; June 14.
Liberman Bros., New York, N. Y. Watches, watchcases, watch movements, clocks, and watch and clock parts. 248,701; June 14.
Lilley Co., The, Columbus, Ohio. Hand bags and traveling cases. 229,239; June 14.
Loft, Inc., New York, N. Y. Candy. 244,162; June 14.
Loomis, W. H., Tale Corporation, Gouverneur, N. Y. Gritless short-fiber paper filler especially prepared for the paper industry, etc. 246,169; June 14.
Lord & Taylor, New York, N. Y. Extracts of perfumes, sachet, talcum powder, etc. 244,941; June 14.
Loudspeaker Publishing Corporation, New York, N. Y. Publications. 247,799; June 14.
Magnus, S. W., & Company, New York, N. Y. Boys' handkerchiefs. 231,743; June 14.
Mapleside Poultry Farms., Lincoln, Ill. Live poultry, eggs, and chicks. 244,508; June 14.
Martin Publications, Inc., New York, N. Y. Magazine. 248,239; June 14.
Mayflower Fruit Association, Exeter, Calif. Fresh apples, peaches, and plums, fresh pomegranates, etc. 246,040; June 14.
Mayo Milling Company, Inc., Richmond, Va. White-corn table meal. 247,198; June 14.
Messerschmidt, Herman, doing business as Schmidt Products Company, Detroit, Mich. Malt sirup. 248,312; June 14.
Miller, Abraham, Brooklyn, N. Y. Cigars. 248,420; June 14.
Miller, Benjamin F., Philadelphia, Pa. Textile fabrics. 247,808; June 14.
Miller, John K., Lynchburg, Va. Medicine for piles. 247,382; June 14
Miller Products Company, Milwaukee, Wis. Concentrated malt sirup. 243,769; June 14.
Milroy Products, Inc., Philadelphia, Pa. Laundry and washing powder. 247,199; June 14.
Milwaukee Macaroni Co., Milwaukee, Wis. Macaroni. 247,441; June 14.
Minneapolis Heat Regulator Co., Minneapolis, Minn. Temperature-operated electric stack switches. 241,781; June 14.
Mohn, Albert, Bergen, Norway. Cod-liver oil. 247,555; June 14.
Mooney, Albert J., doing business as Wheeling Malt Co., Wheeling, W. Va. Malt sirup. 248,708; June 14.
Moore, William, St. Louis, Mo. Powdered soap. 247,745; June 14.
Mother Vance Co. (See Blackburn, Maurice D.)
Muster & Bauman, doing business as Embee Laboratories, Ridgewood, N. J. Hand lotion. 247,032; June 14.
Muster & Bauman, doing business as The Ridgewood Pharmacy, Ridgewood, N. J. Antiseptic astringent. 247,033; June 14.
Mustomatik Specialties, Inc., New York, N. Y. Dispensing devices intended for dispensing mustard, oils, etc. 248,048; June 14.
Mynderse, Andrew W., doing business as Mynderse Beverages, Schenectady, N. Y. Beverages and sirups for making the same. 247,384; June 14.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 248,315; June 14.
Nashua Gummed & Coated Paper Company, Nashua, N. H. Ornamental paper. 241,632; June 14.
Natal Tanning Extract Company Limited, The, London, England. Strips of tree bark. 244,949; June 14.
National Enameling and Stamping Company, Milwaukee, Wis. Ash, garbage, and oil cans, and water pails. 245,744; June 14.
National Grocery Company, Jersey City, N. J. Coffee. 244,088; June 14.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 247,864–5; June 14.
Nevius, C. M., Hornell, N. Y. Coffee-making utensils. 247,558; June 14.
New Brunswick Laboratories. (See White, John, jr.)
New York Merchandise Company, New York, N. Y. Agate buttons. 248,186; June 14.
Nielsen, Martin, Seattle, Wash. Pickles. 230,799; June 14.
Nisch, Moye J., San Francisco, Calif. Cold remedies. 233,143; June 14.
Ni-Vel Mfg. Co. (See Levin, Joseph H.)
Noland, Edward T., doing business as The Edward T. Noland Black Rock Chemical Mfg. Co., Long Beach, Calif. Antiseptic and germicides. 247,282; June 14.
North Packing and Provision Company, Somerville, Mass. Salt pork and bacon. 237,917; June 14.
Nov-E-Line Manufacturing Co. Inc., The, New York, N. Y. Watchcases. 246,308; June 14.
Obear-Nester Glass Co., St. Louis, Mo. Prescription bottles made of glass. 247,961; June 14.
Obermayer, S., Co., The, Chicago, Ill. Furnace cement. 238,608; June 14.
O'Conor, Beatrice, Newton Center, Mass. Cigars and cigarettes. 248,121; June 14.
O'Conor, Beatrice, Newton Center, Mass. Cigars and cigarettes. 248,123; June 14.
Oppenheim & Baruch, Inc., New York, N. Y. Collars and cuffs, vestees, and scarfs. 246,974; June 14.
Orange Crush Bottling Co., Buffalo, N. Y. Beverages. 248,373; June 14.
Osuch, Maryan F., doing business as Phonograph-Radio Improving Co., Chicago, Ill. Phonograph reproducer. 247,095; June 14.
Ottawa Silica Co., The, Ottawa, Ill. Sand. 244,411; June 14.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruit, jams, jellies, etc. 241,897; June 14.
Pacific Seed House, The. (See Colorado Milling & Elevator Co., The.)
Palmolive-Peet Company, The, Chicago, Ill. Soap. 247,633; June 14.
Palmolive-Peet Company, The, Chicago, Ill. Soap. 248,190; June 14.
Patchcraft Corporation, The, New York, N. Y. Ready-cut patches for patchwork. 248,245; June 14.
Pauli, Emma P., doing business as Velva Chemical Co., New York, N. Y. Lubricant laxative for animals. 248,246; June 14.
Pelletier, Roch., Eagle Lake, Me. Lung compound for the treatment of consumption, coughs, etc. 246,117; June 14.
Penny, J. C., Company, Wilmington, Del., and New York, N. Y. Rubber baby pants. 246,982; June 14.
Pequanoc Chemical Co., Butler, N. J. Chemical mixture in powder form. 240,439; June 14.
Perfection Gear Company, Chicago, Ill. Chains. 226,600; June 14.
Peroxide Chemical Co., The, St. Louis, Mo. Toilet creams, nasal creams, toilet lotions, toilet powders, etc. 247,207; June 14.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 247,565–7; June 14.
Phonograph-Radio Improving Co. (See Osuch, Maryan F.)
Pickle, W. & W., and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 246,567; June 14.
Pioneer Publishing Co., Oak Park, Ill. Publication. 248,194; June 14.
Pioneer Publishing Co., Oak Park, Ill. Publication. 248,250; June 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Planters Nut & Chocolate Co., Wilkes-Barre, Pa.; Suffolk, Va.; and San Francisco, Calif. Candy. 238,806; June 14.
Pocahontas Fuel Company Incorporated, Pocahontas, Va., and New York, N. Y. Coal. 238,667; June 14.
Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Vitreous and porcelain enamels. 246,705; June 14.
Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Vitreous and porcelain enamels. 246,708; June 14.
Primrose, Dorothy, Portland, Oreg. Candies. 241,179; June 14.
Ramar Syndicate, Incorporated, Norfolk, Va. Paper pulp. 246,932; June 14.
Rexgold Manufacturing Company, Wilmington, Del. Picture frames. 247,212; June 14.
Richards, G. Whitfield, Philadelphia, Pa. Cutting lubricants. 246,632; June 14.
Ridgely Trimmer Company, The, Springfield, Ohio. Hand tools for trimming wall paper. 247,638; June 14.
Ridgewood Pharmacy, The. (See Muster & Bauman.)
Roberts Wicks Company, Utica, N. Y. Overcoats, coats, suits, etc. 230,416; June 14.
Roche Fruit & Produce Company, Yakima, Wash. Fresh apples. 237,821; June 14.
Rogers Peet Company, New York, N. Y. Trousers, vests, coats, knickerbockers, overcoats, etc. 246,229; June 14.
Rubberset Company, Newark, N. J., assignor to Rubber & Celluloid Products Company. Brushes. 221,455–6; June 14.
Salomon, Charles, & Co. Inc., New York, N. Y. Dresses. 245,957; June 14.
Sanders, Geo. D., sr., Columbus, Miss. Bicycle tire-puncture-sealing fluid. 236,064; June 14.
Schein & Engel Co., doing business as Banner Watch Co., New York, N. Y. Watches, watch movements, and parts of the same. 247,289–90; June 14.
Schmidt Products Company. (See Messerschmidt, Herman.)
Schoen & Turkel, Incorporated, New York, N. Y. Men's clothing. 245,300; June 14.
Schott, Harold B., Providence, R. I. Protectors for hosiery. 247,497; June 14.
Seajoy Coy, The. (See Evans, Thos.)
Sears & Derr Company, The, Chillicothe, Ohio. Table sirups and food-flavoring extracts, etc. 246,638; June 14.
Sedlmayr, Gabriel & Jos., Spaten-Franziskaner-Leistbräu A. G. München, Munich, Germany. Malt beverages, malt extracts, and malt sirups for beverage purposes. 245,542–3; June 14.
Shapiro & Rubin, New York, N. Y. Jackets. 247,104; June 14.
Sheet Aluminum Corporation, Jackson, Mich. Pure and alloyed aluminum sheets, bars, blocks, etc. 245,164; June 14.
Sherr Bros., New York, N. Y. Dresses. 245,866; June 14.
Shoe Form Co., Inc., The, Auburn, N. Y. Plastic cellulose derivative. 240,221; June 14.
Silberstein, Charles H., Brooklyn, N. Y. Medicine. 247,829; June 14.
Singing Magazine Co., Inc., New York, N. Y. Magazine. 248,598; June 14.
Smith, Arthur, assignor to Convex Sign Company, Chicago, Ill. Combination tool. 241,596; June 14.
Smith, Emma, Gary, Ind. Hair grower. 239,725; June 14.
South End Meat Products Co., The, Cleveland, Ohio. Ham, bacon, and sausage. 242,446; June 14.
Southwark Beverage & Products Co. (See Graf, William.)
Srager, Grace, doing business as Chatham Petroleum Company, New York, N. Y. Prepared wax for polishes, etc. 247,045; June 14.
Stacy Williams Co., The, Birmingham, Ala. Table sirup. 247,646; June 14.
Standard Insulation Company, Rutherford, N. J. Varnish, lacquers, and automobile enamel. 246,005; June 14.
Statistical Tabulating Service, New York, N. Y. Completely-printed tabulated cards. 245,665; June 14.
Stehli Silks Corporation, New York, N. Y. Silk piece goods. 248,378; June 14.
Sullivan, McKenzie J., doing business as The Army and Navy Courier, San Antonio, Tex. Magazine. 244,335; June 14.
Sunical Packing Company San Francisco, Calif. Canned fruits, vegetables, etc. 246,645; June 14.
Sunland Sales Cooperative Association, Fresno, Calif. Dried prunes, figs, raisins, peaches, etc. 237,880; June 14.
Supercraft Products Corporation, New York, N. Y. Vacuum tubes. 242,864; June 14.
Super-Products Co., The. (See Hughey, Author M.)
Swayzee Milling Company, The. (See United Grain and Supply Company.)
Swift and Company, Chicago, Ill. Washing powder. 248,380; June 14.
Swift and Company, Chicago, Ill. Glue. 248,524; June 14.
Swift and Company, Chicago, Ill. Glue. 248,526–9; June 14.
Swift and Company, Chicago, Ill. Glue. 248,532; June 14.
Swift and Company, Chicago, Ill. Glue. 248,534; June 14.
Tariel, Roy A., Sacramento, Calif. Signs. 246,721; June 14.
Templeton, Kenly & Company, Limited, Chicago, Ill. Trench braces. 247,299; June 14.
Terri, Inc., New York, N. Y. Vanity cases. 242,514; June 14.
Textile Specialties Co. Norristown Pa. Spring-steel wire and spring wire. 241,550; June 14.
Tiefenthaler, Gustav, doing business as Wisconsin Creamery Co., St. Louis, Mo. Malt sirup. 248,600; June 14.
Torrington Company, The, Torrington, Conn. Knitting-machine needles. 245,459; June 14.
Truvy, Inc., New York, N. Y. Face powders, creams and packs, toilet waters, rouges, etc. 229,650; June 14.
Tully Henry J., New York, N. Y. Knitted underwear. 247,716; June 14.
Tutelman & Kohn, Philadelphia, Pa. Men's shirts having collars attached. 247,452; June 14.
Twistum Toy Factory, Oakland, Calif. Toy animals. 247,400; June 14.
United Grain and Supply Company, The, doing business as The Swayzee Milling Company, Swayzee, Ind. Wheat, buckwheat, and rye flour. 229,833; June 14.
United States Rubber Company, New York, N. Y. Boots and shoes. 244,802; June 14.
Universal Stamping & Mfg. Co., Chicago, Ill. Money changers and payers. 247,453; June 14.
Usona Shirt Company, The, New York, N. Y. Shirts and pyjamas. 247,763; June 14.
Vacuum Oil Company, New York, N. Y. Oils, greases, and waxes. 246,789; June 14.
Val Blatz Brewing Company, Milwaukee, Wis. Chewing gum. 247,916; June 14.
Valley Mills. (See Hillside Cotton Mills.)
Valway Mills. (See Hillside Cotton Mills.)
Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Turnip seed. 246,862; June 14.
Vanetta Velvet Co., Inc., New York, N. Y. Velvet, velveteen, and corduroy. 247,917; June 14.
Velva Chemical Co. (See Pauli, Emma P.)
Villeroy & Boch, Mettlach, Germany. Chinaware, stoneware, etc. 245,122; June 14.
Vita-Ray Company. (See Broady, Joseph C.)
Vogt, Henry, Machine Company, Louisville, Ky. Device for extracting superheat from gases and vapors, etc. 245,123; June 14.
Vulcan Match Co., Inc., New York, N. Y. Matches. 247,049; June 14.
W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 246,864; June 14.
Ward, Samuel, Manufacturing Company, Boston, Mass. Writing papers and envelopes, typewriter paper, tablets, score pads, etc. 245,376; June 14.
Waterbury, Raymond D., Jamaica, N. Y. Grape and fruit presser. 248,381; June 14.
Weiner, Albert M., Philadelphia, Pa. Liquid for external skin use. 247,722; June 14.
West Indies Fruit Importing Company, Chicago, Ill. Grapefruit, limes, oranges, strawberries, watermelons, etc. 242,642; June 14.
West Ontario Citrus Association, Ontario, Calif. Fresh citrous fruits. 248,604; June 14.
Westergaard, B., & Company, Brooklyn, N. Y. Bread. 245,309; June 14.
Wheatley & Schwabe, New York, N. Y. Play suits and underwear. 243,903; June 14.
Wheatley & Schwabe, New York, N. Y. Underwear. 243,905; June 14.
Wheeling Malt Co. (See Mooney, Albert J.)
Whistle Company of America, Inc. (See Jones, Vess.)
White, Fred H., Toledo, Ohio. Indicators for automobiles. 245,770; June 14.
White, John, jr., doing business as New Brunswick Laboratories, New Brunswick, N. J. Cod-liver oil for poultry and stock. 245,943; June 14.
Wilcox Comb Company, Inc., Keene, N. H. Combs. 247,234; June 14.
Wilson & Greene Lumber Co., Syracuse, N. Y. Construction materials. 237,524; June 14.
Winter, Oscar, Philadelphia, Pa. Table pad. 246,796–7; June 14.
Wisconsin Creamery Co. (See Tiefenthaler, Gustav.)
Wolbarsht, H., & Company, Baltimore, Md. Men's suits and overcoats. 244,967; June 14.
Woodbridge Fruit Company, Woodbridge, Calif. Fresh deciduous fruits and grapes. 237,056; June 14.
Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. 245,773; June 14.
Wyant Way of New York Inc., Jersey City, N. J. Underwear, lingerie, dresses, and suits. 246,989; June 14.
Zeiger, Herbert W., doing business as Herbert Sales Co., Newark, N. J. Mimeographs. 247,880; June 14.
Zurn, John A., doing business as J. A. Zurn Manufacturing Company, Erie, Pa. Waste and vent fittings, floor drains, drum traps, etc. 248,339; June 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Philadelphia and Reading Coal and Iron Company. 229,012; June 14.
Coal. United States Fuel Company. 228,934; June 14; Serial No. 210,819; published Oct. 13, 1925.

CLASS 2.

Baskets and similar canvas containers, Canvas. Wm. E. Hooper & Sons Co. 228,849; June 14; Serial No. 239,583; published Apr. 5, 1927.
Cans, Paper. Boothby Fibre Can Company. 229,034; June 14.

CLASS 3.

Bags, Ladies'. E. Hammerling. 228,908; June 14; Serial No. 243,700; published Mar. 29, 1927.
Harness trimmings. E. A. Pflueger Company. 65,991; renewed Nov. 5, 1927.
Trunks, traveling bags, suitcases, leather cases, etc., Automobile. Palais Royal, Inc. 228,973; June 14; Serial No. 224,102; published Mar. 29, 1927.

CLASS 4.

Cleaning and polishing fluid. M. W. May. 229,024; June 14.
Cream, Shaving. William A. Webster Company. 228,903; June 14; Serial No. 243,331; published Apr. 5, 1927.
Preparation for application to glass for precluding fogging. Carrier-Stephens Company. 228,916; June 14; Serial No. 230,660; published Apr. 5, 1927.
Soap flakes. J. Eavenson & Sons, Inc. 229,032; June 14.

CLASS 5.

Glues, dry and liquid, art rubber, mending fluid, pastes, etc. Rogers Isinglass and Glue Company. 229,021; June 14.

CLASS 6.

Anæsthetics. Niketol, Inc. 228,979; June 14; Serial No. 244,463; published Apr. 5, 1927.
Antiseptic and deodorant preparation. Hudson & Company. 228,944; June 14; 244,825; published Apr. 5, 1927.
Antiseptic, astringent, and prophylactic. Mouth and throat. Mrs. I. L. James. 228,909; June 14; Serial No. 243,705; published Apr. 5, 1927.
Antiseptic deodorizing powder. A. R. Flanigan. 228,986; June 14; Serial No. 244,008; published Apr. 5, 1927.
Baking powder. Jas. H. Forbes Tea & Coffee Co. 229,015; June 14.
Carbon dioxide, Liquid. Beacon Devices, Inc. 228,854; June 14; Serial No. 241,077; published Apr. 5, 1927.
Compound, Vegetable and iron. G. W. Lewis. 228,946; June 14; Serial No. 244,833; published Apr. 5, 1927.
Cough lozenges. S. S. Nelson. 228,891; June 14; Serial No. 244,949; published Apr. 5, 1927.
Creams, mouth washes, foot powders, etc., Shaving. William A. Webster Company. 228,960; June 14; Serial No. 243,332; published Apr. 5, 1927.
Creams, Toilet. Thayer Pharmacal Co. 229,004; June 14.
Digestant for all poultry. Pre-Test Products Company. 228,938; June 14; Serial No. 243,884; published Apr. 5, 1927.
Dye, Hair. B. L. Barber. 229,007; June 14.
Gas in portable tanks for inflating tires, Liquid. Prest-O-Lite Company. 63,422; renewed June 18, 1927.
Glycerin, Substitutes for. Daigger Corporation. 228,949; June 14; Serial No. 244,554; published Apr. 5, 1927.
Hair dressing or tonic. Heitkamp Bros., Inc. 228,954; June 14; Serial No. 244,824; published Apr. 5, 1927.
Hairdressing preparations. A. J. Krank. 229,000; June 14.
Insecticidal, germicidal, and fungicidal sprays. California Spray-Chemical Company. 228,975; June 14; Serial No. 244,424; published Apr. 5, 1927.
Kelp mineral products. H. H. Brooten & Sons Inc. 228,963; June 14; Serial No. 242,982; published Apr. 5, 1927.
Laxative and cathartic. La Societe Generale de Produits Specialises. 228,878; June 14; Serial No. 241,230; published Apr. 5, 1927.
Laxative compound. T. J. Segraves. 229,003; June 14.
Lead sulphate and lead oxide. Eagle-Picher Lead Company. 228,966; June 14; Serial No. 241,143; published Apr. 5, 1927.
Liniment. M. J. Downey. 228,983; June 14; Serial No. 244,396; published Apr. 5, 1927.
Liniment. R. Walker. 229,017; June 14.
Medicinal powders. D. R. Campbell. 228,905; June 14; Serial No. 243,641; published Apr. 5, 1927.
Medicinal preparation. E. Greenberg. 228,907; June 14; Serial No. 243,698; published Apr. 5, 1927.
Medicinal preparation. Hardwick-Spencer Medicine Company. 228,872; June 14; Serial No. 228,188; published Apr. 5, 1927.
Medicinal preparation. Frederick Stearns & Company. 228,976; June 14; Serial No. 244,437; published Apr. 5, 1927.
Medicinal preparations. S. Saletan. 228,981; June 14; Serial No. 244,720; published Apr. 5, 1927.
Medicinal product. Maison A. Gazzoni & Compania. 228,988; June 14; Serial No. 243,938; published Apr. 5, 1927.
Medicine. N. A. Balding. 228,957; June 14; Serial No. 244,913; published Apr. 5, 1927.
Medicine. A. R. Flanigan. 228,985; June 14; Serial No. 244,009; published Apr. 5, 1927.
Medicine. J. Haynes. 228,857; June 14; Serial No. 241,154; published Apr. 5, 1927.
Medicine. Powell Drug Co. 228,987; June 14; Serial No. 243,967; published Apr. 5, 1927.
Oils, essences and raw materials. Societe Anonyme "Les Hespéridées." 228,980; June 14; Serial No. 244,579; published Apr. 5, 1927.
Ointment. Deloney & Company. 228,962; June 14; Serial No. 243,038; published Apr. 5, 1927.
Perfumes. A. Pillet. 228,964–5; June 14; Serial Nos. 242,064–5; published Apr. 5, 1927.
Pharmaceutical preparations. Ranier Pharmaceutical Products Co. 228,915; June 14; Serial No. 243,783; published Apr. 5, 1927.
Plasters, Corn. N. L. Haas. 228,977; June 14; Serial No. 244,439; published Apr. 5, 1927.
Powder, cold cream, rouge, etc., Face and bath. June Days, Incorporated. 228,892; June 14; Serial No. 244,939; published Apr. 5, 1927.
Powder, Skin. G. S. Heyer. 228,880; June 14; Serial No. 241,483; published Apr. 5, 1927.
Powders, creams, and packs, toilet waters, rouges, etc., Face. Le Maire Perfumer, Inc. 228,827; June 14; Serial No. 242,542; published Apr. 5, 1927.
Powders, Teething. John Steedman & Company. 228,978; June 14; Serial No. 244,449; published Apr. 5, 1927.
Remedies for treatment of rheumatism, sciatica, etc., Internal. Pinus Medicine Company. 228,969; June 14; Serial No. 227,472; published Apr. 5, 1927.
Remedy for diseases of the blood. J. M. Myers. 62,296; Renewed Apr. 30, 1927.
Salts and buffing compound. Metals Protection Corporation. 228,940; June 14; Serial No. 243,871; published Apr. 5, 1927.
Shampoo, hair rinse, hair tonic, etc. Sunland Laboratories Inc. 228,954; June 14; Serial No. 244,864; published Apr. 5, 1927.
Soda. Los Angeles Soap Company. 228,991; June 14; Serial No. 244,164; published Apr. 5, 1927.
Spasmodic used in the treatment of tabes, pseudotabes, etc. J. D. Riedel Aktiengesellschaft. 228,832; June 14; Serial No. 242,801; published Apr. 5, 1927.
Toilet preparations. Lawrence, Incorporated. 228,829; June 14; Serial No. 242,676; published Apr. 5, 1927.
Toilet preparations. Suma-Dore Products, Inc. 228,968; June 14; Serial No. 231,501; published Nov. 16, 1926.
Tonics, Hair. R. Martorano. 228,984; June 14; Serial No. 244,019; published Apr. 5, 1927.

CLASS 8.

Humidors, ash receivers, and trays, etc. Buckley, Newhall Company. 228,855–6; June 14; Serial Nos. 241,081–2; published Apr. 5, 1927.

CLASS 9.

Cartridges, loaded shells, caps, primers, and powder. Peters Cartridge Company. 65,656; renewed Oct. 15, 1927.

CLASS 10.

Fertilizers. International Agricultural Corporation. 228,996; June 14; Serial No. 244,303; published Apr. 5, 1927.
Fertilizers, Phosphatic. American Agricultural Chemical Company. Serial No. 63,847; renewed July 9, 1927.

CLASS 11.

Inking ribbons and carbon paper. F. S. Webster Company. 228,925; June 14; Serial No. 244,585; published Apr. 5, 1927.

CLASS 12.

Cement, Asbestos fiber. Sullivan Company. 229,006; June 14.
Sashes, doors, blinds, stairways, wooden moldings, etc. Curtis Companies. 229,010; June 14.
Shingles, slates, and tiles. W. Moore. 229,023; June 14.

CLASS 13.

Faucets, Wooden. N. Zohman. 228,928; June 14; Serial No. 244,643; published Apr. 5, 1927.
Nozzles. H. B. Sherman. 65,949; renewed Oct. 29, 1927.

Strainers and fry baskets. Hamblin & Russell Manufacturing Company. 228,961; June 14; Serial No. 243,151; published Mar. 15, 1927.
Traps, Drum. Wensley Metal Products Company. 228,906; June 14; Serial No. 243,676; published Apr. 5, 1927.
Tubing, gutter hangers, rivets, etc., Brass and copper. John H. Heimbuecher Metals Co. 228,835; June 14; Serial No. 243,057; published Apr. 5, 1927.

CLASS 14.

Electrodes, Covered metallic-arc-welding. A. O. Smith Corporation. 229,014; June 14.
Metallic arc pencils and wire and rods. Lincoln Electric Company. 229,027; June 14.

CLASS 16.

Fillers and stains, Combination. Marietta Paint & Color Co. 64,898; renewed Aug. 27, 1927.
Paints and painters' materials. Lowe Brothers Company. 65,447; renewed Sept. 24, 1927.

CLASS 17.

Snuff. H. Groya. 65,675; renewed Oct. 15, 1927.

CLASS 19.

Automobiles, Passenger-carrying. Falcon Motors Corporation. 228,959; June 14; Serial No. 243,802; published Apr. 5, 1927.
Automobiles, Passenger-carrying. Willys-Overland Company. 228,989; June 14; Serial No. 243,837; published Apr. 5, 1927.
Car doors and fixtures therefor, Steel. Youngstown Steel Door Co. 228,845; June 14; Serial No. 238,936; published Apr. 5, 1927.

CLASS 22.

Fishing tackle. E. A. Pflueger Company. 65,990; renewed Nov. 5, 1927.
Game, Card. National Golf Service Co. 228,972; June 14; Serial No. 244,087; published Apr. 5, 1927.
Games, Card. Associated Educators Syndicate. 228,936; June 14; Serial No. 243,917; published Apr. 5, 1927.
Golf ball. Druggists' Supply Corporation. 228,950–2; June 14; Serial Nos. 244,856–8; published Apr. 5, 1927.
Golf balls. Arlington Rubber Company. 228,898; June 14; Serial No. 243,188; published Apr. 5, 1927.
Golf balls. Draper-Maynard Company. 228,927; June 14; Serial No. 244,606; published Apr. 5, 1927.
Golf clubs, balls, bags, golf irons, etc. Donaldson Manufacturing Co. 228,850; June 14; Serial No. 239,798; published Apr. 5, 1927.
Toy figure, Mechanical. Miller-Smith, Inc. 228,993; June 14; Serial No. 244,173; published Apr. 5, 1927.
Toy miniature lumber. Johnson Lumber Company. 228,913; June 14; Serial No. 243,762; published Apr. 5, 1927.
Toys, Computing. Dayton Friction Toy Company. 228,897; June 14; Serial No. 244,056; published Apr. 5, 1927.

CLASS 23.

Feeders and paper-folding machines, Paper. Cleveland Folding Machine Company. 228,998; June 14.
Mail-inserting machines. Insertograph Co. 228,893; June 14; Serial No. 244,936; published Apr. 5, 1927.
Plows and harrows. Emerson-Brantingham Corporation. 228,930; June 14; Serial No. 244,682; published Apr. 5, 1927.
Punches having a cutting edge. B. Lawrence Stationery Company. 65,715; renewed Oct. 22, 1927.
Razor blades, Safety. R. H. Macy & Co. 228,846; June 14; Serial No. 239,257; published Apr. 5, 1927.
Sawmill and mining machinery, accessories, and parts thereof. Prescott Company. 228,847; June 14; Serial No. 239,379; published Apr. 5, 1927.
Steel dies and bronze molds. P. Cricchio. 228,830; June 14; Serial No. 242,709; published Apr. 5, 1927.
Tractors, road graders, etc. Hadfield-Penfield Steel Company. 229,911; June 14; Serial No. 243,757; published Apr. 5, 1927.
Transmission units, Hydraulic. Oilgear Company. 228,920; June 14; Serial No. 244,511; published Apr. 5, 1927.

CLASS 26.

Photographic developing papers. Haloid Company. 229,031; June 14.

CLASS 29.

Brushes. Hanlon & Goodman. 229,001; June 14.
Brushes. John L. Whiting-J. J. Adams Company. 228,865–6; June 14; Serial Nos. 226,404–5; published Apr. 5, 1927.
Powder puffs. Maurice Levy Company. 228,970; June 14; Serial No. 209,043; published Feb. 23, 1926.

CLASS 31.

Refrigerators, refrigerating apparatus, and ice-making machines and parts thereof. B. Pålsson. 228,881; June 14; Serial No. 241,633; published Apr. 5, 1927.

CLASS 32.

Bed springs. John Fett, sr. 229,022; June 14.
Bed springs. E. Lieberman. 228,902; June 14; Serial No. 243,275; published Apr. 5, 1927.
Cushions, Leather. Moroccan Estates. 228,851; June 14; Serial No. 239,818; published Apr. 5, 1927.

CLASS 33.

Bottles made of glass. C. B. Poar. 229,005; June 14.
Glass, Sheet. Western Glass Company. 228,874; June 14; Serial No. 228,878; published Apr. 5, 1927.
Glassware. Glasfabriken und Raffinerien Josef Inwald A. G. 228,884; June 14; Serial No. 242,229; published Apr. 5, 1927.

CLASS 34.

Burners and heaters, Oil. Super Oil Heater Company. 228,867; June 14; Serial No. 226,797; published Apr. 5, 1927.
Lanterns and the burners and metal parts thereof, Oil-burning. R. E. Dietz Company. 228,923; June 14; Serial No. 244,550; published Apr. 5, 1927.
Ranges. Tennessee Stove Works. 228,896; June 14; Serial No. 244,033; published Apr. 5, 1927.
Ranges, plates, heaters, and stoves, Gas. Geo. D. Roper Corporation. 228,863; June 14; Serial No. 219,912; published Apr. 5, 1927.

CLASS 35.

Belting, transmission and brake lining, Woven. Scandinavia Belting Company. 228,958; June 14; Serial No. 243,174; published Apr. 5, 1927.
Piston rings. Wilkening Manufacturing Company. 228,947; June 14; Serial No. 244,841; published Apr. 5, 1927.
Tire casings and tubes, Automobile. Cooper Corp. 229,028; June 14.
Tires, Rubber vehicle. Shawmut Tire Company. 64,839; renewed Aug. 27, 1927.
Transmission lining for Ford cars. Multibestos Company. 229,030; June 14.

CLASS 37.

Bank supplies. Continental Bank Supply Company. 228,873; June 14; Serial No. 228,744; published Apr. 5, 1927.
Tracing cloth. Winterbottom Book Cloth Company. 63,767–8; renewed July 9, 1927.
Tracing cloth. Winterbottom Book Cloth Company. 63,789–90; renewed July 9, 1927.
Tracing cloth. Winterbottom Book Cloth Company. 63,901; renewed July 16, 1927.

CLASS 38.

House organ. Pacific Egg Producers Cooperative, Inc. 228,888; June 14; Serial No. 244,367; published Apr. 5, 1927.
House organs. Gilmour, Rothery & Co. 228,918; June 14; Serial No. 244,497; published Apr. 5, 1927.
Magazine. Dell Publishing Company. 228,887; June 14; Serial No. 242,416; published Apr. 5, 1927.
Magazine. Glen-Kel Publishing Co. 228,990; June 14; Serial No. 244,150; published Apr. 5, 1927.
Magazine. Macfadden Publications Incorporated. 228,992; June 14; Serial No. 244,165; published Apr. 5, 1927.
Magazine. L. W. Peabody. 228,924; June 14; Serial No. 244,569; published Apr. 5, 1927.
Magazine. Pro Distributors Publishing Company. 228,836; June 14; Serial No. 243,109; published Apr. 5, 1927.
Magazine. Smith Brothers Publishers, Inc. 228,895; June 14; Serial No. 244,030; published Apr. 5, 1927.
Magazine. Union Publishing Company. 228,921; June 14; Serial No. 244,521; published Apr. 5, 1927.
Newspaper. W. E. Boyd. 228,910; June 14; Serial No. 243,746; published Apr. 5, 1927.
Periodical. Garfield National Bank. 228,848; June 14; Serial No. 239,407; published Apr. 5, 1927.
Periodical. E. T. Maples. 228,919; June 14; Serial No. 244,507; published Apr. 5, 1927.
Periodical. Methodist Book Concern. 228,889; June 14; Serial No. 244,361; published Apr. 5, 1927.
Publication. Exhibitors Review Publishing Corporation. 228,997; June 14; Serial No. 244,351; published Apr. 5, 1927.
Publication. Loyless Publishing Company. 228,890; June 14; Serial No. 244,358; published Apr. 5, 1927.
Publication. Rand McNally and Company. 228,932; June 14; Serial No. 244,471; published Apr. 5, 1927.
Publication and magazine, Periodical. Wheeler Reid Publications, Inc. 228,842; June 14; Serial No. 238,526; published Apr. 5, 1927.
Publication, Periodical. Textile Publishing Company. 228,882; June 14; Serial No. 241,797; published Apr. 5, 1927.
Publications. White Company. 228,955–6; June 14; Serial Nos. 244,902–3; published Apr. 5, 1927.
Scrolls and charts. Lewis E. Meyers & Company. 229,008; June 14.

CLASS 39.

Aprons, dresses, and uniforms. Jacobs Brothers. 229,016; June 14.

Brassières. G. M. Poix Inc. 228,852; June 14; Serial No. 240,090; published Feb. 15, 1927.
Coats, vests, trousers, etc., for men and young men. Eisenberg & Anderson. 228,837; June 14; Serial No. 233,537; published Mar. 1, 1927.
Gloves, Fabric. Julius Kayser & Co. 229,011; June 14.
Hats, hat bodies, and hoods, Ladies'. L. I. Lubin. 229,025; June 14.
Hosiery, gloves, and underwear, Knitted. M. S. Esche. 62,094; renewed Apr. 16, 1927.
Hosiery, gloves, and underwear, Knitted. M. S. Esche. 62,106; renewed Apr. 16, 1927.
Skirts and dresses, Ladies'. Oshkosh Muslin Underwear Co. 228,840; June 14; Serial No. 236,335; published Feb. 15, 1927.
Suits, jackets, coats, overcoats, etc., Boys' and girls'. Eagle Wash Suit Co. 229,020; June 14.

CLASS 42.

Carpets, rugs, etc., Textile. Careful Carpet Cleaning Company. 228,841; June 14; Serial No. 237,593; published Feb. 22, 1927.
Cloth, Bookbinders'. Winterbottom Book Cloth Company. 63,791; renewed July 9, 1927.
Cotton piece goods. F. U. Stearns & Company. 228,917; June 14; Serial No. 244,479; published Apr. 5, 1927.
Cotton, silk, artificial silk, wool, etc. Imperial Silk House. 228,912; June 14; Serial No. 243,761; published Apr. 5, 1927.
Fabric in the piece, Elastic. Narrow Fabric Co. 228,871; June 14; Serial No. 228,126; published Apr. 5, 1927.
Fabrics. John B. Ellison & Sons. 228,877; June 14; Serial No. 229,951; published Apr. 5, 1927.
Fabrics made from wool, worsteds, or mixtures thereof. John B. Ellison & Sons. 228,861; June 14; Serial No. 216,898; published Apr. 5, 1927.
Handkerchiefs. Penn Handkerchief Co. 228,939; June 14; Serial No. 243,878; published Apr. 5, 1927.
Silk and silk-mixed piece goods. Susquehanna Silk Mills. 65,707; renewed Oct. 15, 1927.
Silk fabrics. Emsheimer & Sahlein. 228,935; June 14; Serial No. 244,005; published Apr. 5, 1927.
Silk goods in the piece. C. K. Eagle & Co. 228,833; June 14; Serial No. 242,824; published Apr. 5, 1927.
Silk piece goods. Albert Godde, Bedin, Inc. 228,926; June 14; Serial No. 244,591; published Apr. 5, 1927.
Silk piece goods. M. Spivak. 228,942; June 14; Serial No. 244,798; published Apr. 5, 1927.
Silk piece goods. Susquehanna Silk Mills. 228,864; June 14; Serial No. 225,623; published Apr. 5, 1927.
Silk piece goods. Wollman Silk Corporation. 228,879; June 14; Serial No. 241,310; published Apr. 5, 1927.
Woolen and worsted fabrics. Detmer, Bruner & Mason, Inc. 228,931; June 14; Serial No. 244,395; published Apr. 5, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 228,839; June 14; Serial No. 234,116; published Apr. 5, 1927.
Woolen piece goods. Yund, Kennedy & Yund. 228,948; June 14; Serial No. 244,843; published Apr. 5, 1927.

CLASS 45.

Beverage and sirup for making same. C. M. Pitt & Sons Company. 228,899; June 14; Serial No. 243,230; published Apr. 5, 1927.
Beverage and sirup for making the same. Moxie Nerve Food Company of New England. 62,295; renewed Apr. 30, 1927.
Beverages and concentrates for making same. Sethness Company. 228,941; June 14; Serial No. 244,790; published Apr. 5, 1927.
Beverages, soft drinks, Maltless. Electrified Water Co. 228,876; June 14; Serial No. 229,223; published Apr. 5, 1927.
Beverages sold as soft drinks. Fitger Company. 228,870; June 14; Serial No. 227,118; published Apr. 5, 1927.
Ginger ale. Belmont Products Co. 229,033; June 14.

CLASS 46.

Apples, Fresh. L. E. Birmingham. 228,859; June 14; Serial No. 211,516; published Apr. 5, 1927.
Bread. Barker Bread Company. 228,875; June 14; Serial No. 229,082; published Mar. 29, 1927.
Butter. Toloma Creamery. 228,937; June 14; Serial No. 243,896; published Mar. 29, 1927.
Cake and pastry flour. Mauser Mill Company. 228,885; June 14; Serial No. 242,306; published Mar. 29, 1927.
Cake comprising a wheat product and milk chocolate. Two in One Confection Company. 228,860; June 14; Serial No. 215,717; published Apr. 5, 1927.
Cakes, cookies, wafers, etc. Silvertown Baking Corporation. 228,844; June 14; Serial No. 238,748; published Dec. 14, 1926.
Candies. W. P. Chase Candy Corp. 228,883; June 14; Serial No. 241,926; published Apr. 5, 1927.
Candies. D. Primrose. 229,009; June 14.
Candies, Bar. S. R. Seroogy. 228,831; June 14; Serial No. 242,752; published Apr. 5, 1927.
Candy. N. P. Damianakes. 228,869; June 14; Serial No. 227,114; published Apr. 5, 1927.
Candy. Voneiff-Drayer Co. 228,994; June 14; Serial No. 244,195; published Apr. 5, 1927.
Candy and candy bars. Curtiss Candy Company. 228,929; June 14; Serial No. 244,672; published Apr. 5, 1927.
Candy bar. Shotwell Mfg. Co. 228,858; June 14; Serial No. 203,979; published Mar. 22, 1927.
Candy bar. Shotwell Mfg. Co. 228,967; June 14; Serial No. 237,290; published Apr. 5, 1927.
Candy in the form of chocolate wafers. Van Houten, Inc. 228,868; June 14; Serial No. 226,837; published Apr. 5, 1927.
Candy, salted nut meats, and peanut butter. Kelly Co. 228,843; June 14; Serial No. 238,586; published Mar. 29, 1927.
Canned fish. Seacoast Canning Company. 228,862; June 14; Serial No. 219,772; published Apr. 5, 1927.
Canned fruit, vegetables, mixed vegetables, fish, berries, etc. Haft Green Company. 229,026; June 14.
Canned fruits, vegetables, fish, berries, olives, condiments, etc. Purity Produce Corporation. 229,019; June 14.
Canned vegetables. G. E. Stocking. 228,999; June 14.
Cheeses and cheese products. S. Galla & Co. 228,853; June 14; Serial No. 240,249; published Mar. 29, 1927.
Coffee. Great Atlantic & Pacific Tea Co. 228,894; June 14; Serial No. 244,927; published Apr. 5, 1927.
Coffee extract, Liquid. Magic Coffee Company. 228,914; June 14; Serial No. 243,767; published Apr. 5, 1927.
Flour, Plain and self-rising. Lillie Mill Company. 228,933; June 14; Serial No. 244,409; published Mar. 29, 1927.
Flour, Plain and self-rising wheat. Lexington Roller Mills Co. 228,971; June 14; Serial No. 244,081; published Mar. 29, 1927.
Flour, Wheat. Moseley & Motley Milling Co. 65,246; renewed Sept. 17, 1927.
Flour, Wheat. Rea-Patterson Milling Company. 228,886; June 14; Serial No. 242,393; published Mar. 29, 1927.
Flour, Wheat. Scott County Milling Company. 228,974; June 14; Serial No. 244,110; published Mar. 29, 1927.
Foods. S. S. Pierce Co. 62,500; renewed May 14, 1927.
Fruit jams. C. G. Romano. 228,828; June 14; Serial No. 242,621; published Apr. 5, 1927.
Grapes, Fresh. Fresno Grape Distributors. 228,900; June 14; Serial No. 243,261; published Mar. 29, 1927.
Honey. T. Winchell. 229,013; June 14.
Jams, jellies, jelly concentrate, etc. Jelmarvl Co. 228,958; June 14; Serial No. 244,871; published Apr. 5, 1927.
Lettuce, Fresh. Tremaine Alfalfa Ranch & Milling Company. 228,943; June 14; Serial No. 244,801; published Apr. 5, 1927.
Mineral ration, Hog, poultry, and livestock. J. R. Watkins Company. 228,834; June 14; Serial No. 242,870; published Mar. 29, 1927.
Oleomargarine. Royal Nut Margarine Company. 229,018; June 18.
Oranges, lemons, and grapefruit. Sunnyside Citrus Association; 229,002; June 14.
Semolina. Washburn Crosby Company. 228,995; June 14; Serial No. 244,259; published Mar. 29, 1927.
Sugar. Rockwood Brothers Company. 65,915; renewed Oct. 29, 1927.
Tea and coffee. Delano, Potter & Co. 228,922; June 14; Serial No. 244,547; published Apr. 5, 1927.
Vegetables, Fresh. Johnson & Derby. 228,838; June 14; Serial No. 233,555; published Apr. 5, 1927.

CLASS 48.

Malt sirup. Better Health Malt Syrup Co. 228,904; June 14; Serial No. 243,583; published Apr. 5, 1927.
Malt sirup. S. L. Goldman. 228,901; June 14; Serial No. 243,266; published Apr. 5, 1927.
Malt sirup. H. Hirsh. 228,982; June 14; Serial No. 244,770; published Apr. 5, 1927.

CLASS 50.

Table pads. O. Winter. 229,029; June 14.

ALPHABETICAL LIST OF LABELS.

Alachua County Pride, U. S. No. 1. For Fresh Cucumbers. Gainesville Farmers Association, Inc. 32,286; June 14.
Alachua County Pride, U. S. Fancy No. 1. For Fresh Cucumbers. Gainesville Farmers Association, Inc. 32,287; June 14.
Bosch Spark Plug. For Spark Plugs. Robert Bosch Aktiengesellschaft. 32,275; June 14.
Campana's Italian Balm. For Skin-Softening Preparation. Campana Corporation. 32,276–7; June 14.
Canoga. For Oranges. Canoga Citrus Association. 32,280; June 14.

Compass. For Lemons. Teague-McKevett Co. 32,298; June 14.
Country Club. For Coffee. Kroger Grocery & Baking Co. 32,289; June 14.
Crisp-O. For Iceberg Lettuce. Cochran-Turney-Crispo, Inc. 32,285; June 14.
Dromedary Dates. For Dates. Hills Brothers Company. 32,288; June 14.
Farmpack. For Canned Peaches. E. Clemens Horst Co. 32,282; June 14.
Fountain. For Lemons. Teague-McKevett Co. 32,300; June 14.
Franklin Club. For Cigars. Benjamin Franklin Cigar Mfg. Co. Inc. 32,274; June 14.
Freshpack. For Canned Peaches. E. Clemens Horst Co. 32,284; June 14.
Horse Shoe. For Canned Tomatoes. R. Nelson. 32,292; June 14.
Horst's. For Canned Peaches. E. Clemens Horst Co. 32,283; June 14.
Jackson Brand. For Malt Extract. G. Onorato. 32,293; June 14.
Keystone. For Shirts and Nightshirts. Smith-McCord-Townsend Dry Goods Co. 32,295; June 14.
Peasant. For Oranges. Sierra Vista Packing Association. 32,294; June 14.
Pitcher. For Lemons. Teague-McKevett Co. 32,299; June 14.
Silver Bell. For Oranges. Canoga Citrus Association. 32,278; June 14.
Silver Cord. For Lemons. Teague-McKevett Co. 32,297; June 14.
Sonny. For Boys' Handkerchiefs. S. W. Magnus & Company. 32,290; June 14.
Stratford Chocomix. For Prepared Chocolate and Cocoa Powder. Stratford Chocolate Company. 32,296; June 14.
Stromboli. For Macaroni. G. Montaperto. 32,291; June 14.
Sugarsweet. For Canned Peaches. E. Clemens Horst Co. 32,281; June 14.
Twilight. For Oranges. Canoga Citrus Association. 32,279; June 14.

ALPHABETICAL LIST OF PRINTS.

A Winner For Grocers! Flit. For Insecticide. Stanco Distributors, Incorporated. 9,933; June 14.
Baird's Peerless Hocking. For Coal. W. S. Harman. 9,916; June 14.
Camels Are Superb Tobaccos in a Joyous Blend. For Cigarettes. R. J. Reynolds Tobacco Company. 9,941; June 14.
Camel's Friends Know and Demand Choice Tobaccos. For Cigarettes. R. J. Reynolds Tobacco Company. 9,943; June 14.
Colds, Coughs, Catarrh—Mistol. For Nose and Throat Spray. Standard Oil Company (New Jersey). 9,955; June 14.
Dear Ancient. For Jewelry. Marcus & Company. 9,923; June 14.
First With The Modern Age. For Cigarettes. R. J. Reynolds Tobacco Company. 9,948; June 14.
Goodness Made Camel Famous. For Cigarettes. R. J. Reynolds Tobacco Company. 9,935; June 14.
Hay Fever Its Cause Prevention and Relief Mistol. For Nose and Throat Spray. Standard Oil Company (New Jersey). 9,95[illegible]une 14.
Hopkinson & Haigh's Scotch Hams. For Hams. Hopkinson & Haigh. 9,921; June 14.
I Usually Pick a Winner. For Tobacco. R. J. Reynolds Tobacco Company. 9,949; June 14.
Kill Moths With Flit—Does Not Stain. For Insecticide. Standard Oil Company (New Jersey). 9,954; June 14.
La France. For Laundry Tablets. La France Manufacturing Company. 9,922; June 14.
Lead Me to P. A. Every Time. For Tobacco. R. J. Reynolds Tobacco Company. 9,951; June 14.
Mammoth Pomeroy Block. For Coal. W. S. Harman. 9,917; June 14.
Mark It Every Market-Day. For Coffee. A. Engelhard & Sons Co. 9,915; June 14.
Master of the Hours. For Jewelry. Marcus & Company. 9,924; June 14.
Millions Know What They Want. For Athletic Underwear. B. V. D. Company. 9,914; June 14.
Modern Preference Finds its Choice in Camel. For Cigarettes. R. J. Reynolds Tobacco Company. 9,945; June 14.
Modern Smoking Pleasure That Never Fails. For Cigarettes. R. J. Reynolds Tobacco Company. 9,931; June 14.
Modern Taste Revels in the Goodness of Camel. For Cigarettes. R. J. Reynolds Tobacco Company. 9,938; June 14.
On Buying Pearls. For Jewelry. Marcus & Company. 9,926; June 14.
P. A. For Cigarettes? I Should Say 'Yes!" For Tobacco. R. J. Reynolds Tobacco Company. 9,937; June 14.
P. A. Means a Lot to Me. For Tobacco. R. J. Reynolds Tobacco Company. 9,939; June 14.
P. A. Sure Does Things to a Pipe. For Tobacco. R. J. Reynolds Tobacco Company. 9,950; June 14.
P. A.—The Password to Pipe-Pleasure. For Tobacco. R. J. Reynolds Tobacco Company. 9,936; June 14.
Pep-O-Cheese. For Cheese. Peppy-Cheese Co. 9,929; June 14.
Prologue. For Jewelry. Marcus & Company. 9,925; June 14.
That Certain Color. For Jewelry. Marcus & Company. 9,928; June 14.
That Unconquerable Crystal. For Jewelry. Marcus & Company. 9,927; June 14.
The Nest Builder. For Homes. F. J. Hinkel. 9,920; June 14.
The Packing That Packs All. For Packing Material. Walker & Forbes, Inc. 9,960; June 14.
The Rossid Lacerates the Paper and Inks the Shredded Edges. For Pocket Check Protectors. Rossid Manufacturing Corporation. 9,952; June 14.
These Moderns Demand Camels. For Cigarettes. R. J. Reynolds Tobacco Company. 9,942; June 14.
This Modern Age Knows That Camel Goodness is Dependable. For Cigarettes. R. J. Reynolds Tobacco Company. 9,934; June 14.
Today Only. For Publications. T. D. Taylor. 9,958; June 14.
Tom Dick & Harry. For Boots, Shoes, and Rubbers. Tom Dick & Harry of Mass. Inc. 9,959; June 14.
To You—Experienced Smokers . . . For Cigarettes. R. J. Reynolds Tobacco Company. 9,940; June 14.
Treasure. For Groceries. Reid, Murdoch & Co. 9,930; June 14.
W. S. H. Pocahontas. For Coal. W. S. Harman. 9,918; June 14.
W. S. H. Sootless. For Coal. W. S. Harman. 9,919; June 14.
We Specialize in Chrome Vanadium Steel. For Automobile Springs. Standard Spring Co. 9,957; June 14.
Why Camel Leads the World. For Cigarettes. R. J. Reynolds Tobacco Company. 9,947; June 14.
You Can Have Your Private Yacht. For Tobacco. R. J. Reynolds Tobacco Company. 9,944; June 14.
You Can Quote Me on This. For Tobacco. R. J. Reynolds Tobacco Company. 9,932; June 14.
You'd Think P. A. Was on Wheels! For Tobacco. R. J. Reynolds Tobacco Company. 9,946; June 14.
Your Tongue Says: 'Thank You!" For Tobacco. R. J. Reynolds Tobacco Company. 9,933; June 14.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Cellulose derivative. Shoe Form Co. 240,221; June 14.
Coal. Pocahontas Fuel Company Incorporated. 238,667; June 14.
Gritless short-fiber paper filler especially prepared for the paper industry. W. H. Loomis Talc Corporation. 246,169; June 14.
Paper pulp. Ramar Syndicate, Incorporated. 246,932; June 14.
Sand. Ottawa Silica Co. 244,411; June 14.
Seed, Turnip. Van Antwerp's Drug Corporation, Inc. 246,862; June 14.

CLASS 2.

Cans and water-pails, Ash, garbage, and oil. National Enameling and Stamping Company. 245,744; June 14.
Vaults, Coated steel interment. King Bros. Boiler Works. 246,485; June 14.

CLASS 3.

Hand bags and traveling cases. Lilley Co. 229,239; June 14.
Trunks, valises, pocketbooks, and bags. W. F. Crawford Company. 246,530; June 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 4.

Cleaner, Dry. Gulf Refining Company. 243,436; June 14.
Polishing and burnishing material. H. L. Beaver. 248,545; June 14.
Soap. Palmolive-Peet Company. 247,633; June 14.
Soap. Palmolive-Peet Company. 248,190; June 14.
Soap, Medicated. T. A. Jones. 248,236; June 14.
Soap, Powdered. W. Moore. 247,745; June 14.
Steel wool and soap for cleansing, scouring, and polishing, Product composed of. Dirt-Kut Company. 247,601; June 14.
Washing powder. Milroy Products, Inc. 247,199; June 14.
Washing powder. Swift and Company. 248,380; June 14.

CLASS 5.

Glue. Swift and Company. 248,524; June 14.
Glue. Swift and Company. 248,526–9; June 14.
Glue. Swift and Company. 248,532; June 14.
Glue. Swift and Company. 248,534; June 14.
Sealing fluid, Tire-puncture-. Geo. D. Sanders, sr. 236,064; June 14.

CLASS 6.

Acid, Oxyacetylaminophenylarsinic. Les Etablissements Poulenc Frères. 248,776–7; June 14.
Antiseptic and germicides. E. T. Noland. 247,282; June 14.
Antiseptic astringent. Muster & Bauman. 247,033; June 14.
Chemical mixture. Pequanoc Chemical Co. 240,439; June 14.
Cold cream, vanishing cream, etc. Belvedere Toilet Products Inc. 227,769; June 14.
Composition of matter. Campbell and Minkel. 240,400; June 14.
Compound for the treatment of consumption, coughs, cold, etc., Lung. R. Pelletier. 246,117; June 14.
Dyestuffs. General Dyestuff Corporation. 248,404; June 14.
Extracts of perfumes, sachet, talcum powder, dusting powder, etc. Lord & Taylor. 244,941; June 14.
Hair grower. E. Smith. 239,725; June 14.
Herb remedies for the diseases of the blood, kidneys, and liver, Internal. Alonzo O. Bliss Medical Company. 245,467; June 14.
Laxative for animals, Lubricant. E. P. Paull. 248,246; June 14.
Laxatives, general tonics, cod-liver-oil preparations, etc. H. Lemler. 248,640; June 14.
Liquid for external skin use for sunburn, etc. A. M. Weiner. 247,722; June 14.
Lotion. J. H. Levin. 246,962; June 14.
Lotion, Hand. Muster & Bauman. 247,032; June 14.
Lotions, Skin. Creme Jasmin Company. 231,310; June 14.
Medicated wines, herb extracts, etc. Egon Braun Aktiengesellschaft. 245,535–6; June 14.
Medicinal composition. L. J. Haberkorn. 238,654; June 14.
Medicinal preparation. Chemisch-pharmazeutische A. G. Bad Homburg. 241,868; June 14.
Medicinal preparation. J. Cseh. 248,677; June 14.
Medicinal tablets. Laboratories Jaq Incorporated. 245,912; June 14.
Medicine. C. D. Bradham. 247,728; June 14.
Medicine. C. H. Silberstein. 247,829; June 14.
Medicine for piles. J. K. Miller. 247,382; June 14.
Medicine, Poultry. M. D. Blackburn. 244,652; June 14.
Oil, Cod-liver. A. Mohn. 247,555; June 14.
Oil for poultry and stock, Cod-liver. J. White, jr. 245,943; June 14.
Ointment. J. Batsos. 242,167; June 14.
Perfumery. J. A. Arkin. 248,404; June 14.
Perfumes, body lotions, face powders, etc. Erté, Inc. 247,528; June 14.
Plaster, Antiseasickness. T. Evans. 243,533; June 14.
Powder, Dental. Alkasan Products, Inc. 248,666; June 14.
Powders, creams, packs, toilet waters, rouges, etc., Face. Truvy, Inc. 229,650; June 14.
Preparation. J. L. Alliery. 247,923; June 14.
Preparation for the treatment of coughs, colds, etc. Agrippa Company. 248,609; June 14.
Preparation made from fresh camomile. Chemisch-pharmazeutische A. G. Bad Homburg. 241,867; June 14.
Remedies, Cold. M. J. Nisch. 233,143; June 14.
Salt, Pickling. H. Lavin. 245,992–3; June 14.
Toilet creams, nasal creams, toilet lotions, toilet powders, etc. Peroxide Chemical Co. 247,207; June 14.
Tonic, Digestive. J. C. Brigadeil. 248,279; June 14.
Treatment for amœbic dysentery. Ernest Bischoff Co. Inc. 248,342; June 14.
Tree bark. Natal Tanning Extract Company Limited. 244,048; June 14.
Vanity cases. Terri, Inc. 242,514; June 14.
Wine elixir. California Medicinal Wine Co. 240,167; June 14.

CLASS 9.

Matches. Vulcan Match Co. 247,049; June 14.

CLASS 10.

Plant food and fertilizers. Grasselli Chemical Company. 248,408; June 14.
Stimulants, Grass. Bayer Company. 246,949; June 14.

CLASS 12.

Cement, Furnace. S. Obermayer Co. 238,608; June 14.
Cement, Hydraulic. Ash Grove Lime & Portland Cement Company. 246,146; June 14.
Construction materials. Wilson & Greene Lumber Co. 237,524; June 14.
Flooring materials. Deutsche Xylolith-Platten-Fabrik Otto Sening & Co., G. m. b. H. 240,407; June 14.
Flooring, Wood. Fordyce Lumber Company. 247,425; June 14.
Fuel chutes, joist pockets, etc. P. L. Cherry Co. 242,568; June 14.

CLASS 13.

Chains. Perfection Gear Company. 226,600; June 14.
Cocks, bibs, soldering nipples, etc., Basin and bath. Aird-Don Company. 246,321; June 14.
Fittings, floor drains, bath traps, etc., Waste and vent. J. A. Zurn. 248,339; June 14.
Nails. Keystone Steel & Wire Company. 248,575; June 14.
Rivets. Crescent Belt Fastener Company. 246,952–4; June 14.
Tank bulbs, union washers, force cups, sink gaskets, etc. Leader Specialty Co. 247,191; June 14.
Utensils, Coffee-making. C. M. Nevius Inc. 247,558; June 14.

CLASS 14.

Aluminum sheets, bars, blocks, etc., Pure and alloyed. Sheet Aluminum Corporation. 245,164; June 14.
Wire and spring wire, Spring-steel. Textile Specialties Co. 241,550; June 14.

CLASS 15.

Gasoline. A. M. Hughey. 246,410; June 14.
Kerosene, gasoline, oils, and greases. Cities Service Oil Company. 244,493; June 14.
Lubricants, Cutting. G. W. Richards. 246,632; June 14.
Oils, greases, and waxes. Vacuum Oil Company; 246,789; June 14.
Oils, Motor fuel. Ethyl Gasoline Corporation. 247,366; June 14.

CLASS 16.

Enamels, Vitreous and porcelain. Porcelain Enamel and Manufacturing Company of Baltimore. 246,705; June 14.
Enamels, Vitreous and porcelain. Porcelain Enamel and Manufacturing Company of Baltimore. 246,708; June 14.
Varnish, Lacquers and automobile enamel. Standard Insulation Company. 246,005; June 14.
Wax. G. Srager. 247,045; June 14.

CLASS 17.

Cigars. A. Miller. 248,420; June 14.
Cigars and cigarettes. B. O'Conor. 248,121; June 14.
Cigars and cigarettes. B. O'Conor. 248,123; June 14.

CLASS 19.

Chariots, gocarts, strollers, etc. Best & Co. 242,470; June 14.
Motor trucks. International Motor Company. 247,861; June 14.
Trailers, gravity dumps, dump bodies, axles, springs, etc. Gash-Stull Company. 246,829; June 14.

CLASS 21.

Batteries, Dry. Dry Storage Battery Corporation. 247,464; June 14.
Electrical household utilities, Heating elements designed for use in repairing of. T. A. Diem. 247,315; June 14.
Irons, Electric hand. S. Frost. 246,156; June 14.
Radio sets and parts thereof. Columbia Phonograph Company. 247,171–2; June 14.
Radiotransformers, radio receiving sets, tuning sets, plugs, etc. Electrical Research Laboratories. 248,166; June 14.
Signals, Electrically-operated. Delco-Remy Corporation. 244,997; June 14.
Switches. Minneapolis Heat Regulator Co. 141,781; June 14.
Vacuum tubes. Supercraft Products Corporation. 242,864; June 14.

CLASS 22.

Toy animals. Twistum Toy Factory. 247,400; June 14.

CLASS 23.

Braces, Trench. Templeton, Kenly & Company. 247,299; June 14.
Device for extracting superheat from gases and vapors, etc. Henry Vogt Machine Company. 245,123; June 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dispensing devices. Mustomatik Specialties, Inc. 248,048; June 14.
Drilling and tapping machines and parts thereof. Hays Manufacturing Company. 242,193; June 14.
Hammer mills and other stone crushers. Amme-Luther Werke Braunschweig der "Miag" Mühlenbau und Industrie Aktiengesellschaft. 248,461; June 14.
Milking machines and parts thereof, etc. Empire Milking Machine Company. 192,609; June 14.
Needles. Knitting-machine. Torrington Company. 245,459; June 14.
Presser, Grape and fruit. R. D. Waterbury. 248,381; June 14.
Pumps. Dayton Pump & Manufacturing Company. 247,783; June 14.
Pumps and jacks, Tire. W. T. Grant Company. 248,229; June 14.
Swages and swage shapers. E. C. Atkins & Company. 247,589; June 14.
Tool. A. Smith. 241,596; June 14.
Tools for trimming wall paper, Hand. Ridgley Trimmer Company. 247,638; June 14.

CLASS 24.

Washboards. National Washboard Company. 247,864–5; June 14.

CLASS 26.

Indicators for automobiles. F. H. White. 245,770; June 14.
Money changers and payers. Universal Stamping & Mfg. Co. 247,453; June 14.

CLASS 27.

Watchcases. Ellen Watch Case Co. 248,890; June 14.
Watchcases. Nor-E-Line Manufacturing Co. Inc. 246,308; June 14.
Watches, watchcases, watch movements, clocks, and watch and clock parts. Lieberman Bros. 248,701; June 14.
Watches, watch movements, and parts of the same. Schein & Engel Co. 247,289–90; June 14.
Watches, watch movements, and parts of watches. Federal Mail Order Corporation. 247,731; June 14.
Watches, watch movements, watchcases, and parts thereof. J. Feinstein. 248,629–30; June 14.

CLASS 28.

Rosaries. G. Klein & Son. 247,025; June 14.

CLASS 29.

Brushes. Rubberset Company. 221,455–6; June 14.
Cloths, Industrial wiping. Hillside Cotton Mills. 247,736–7; June 14.

CLASS 30.

Chinaware, stoneware, etc. Villeroy & Boch. 245,122; June 14.
Porcelain and china. Best & Co. 242,468; June 14.

CLASS 31.

Refrigerators, refrigerating apparatus, and parts thereof. Electric Refrigeration Corporation. 248,558; June 14.
Refrigerators, refrigerator parts, systems, and filters, Electric. Electrolux Servel Corporation. 247,991; June 14.

CLASS 32.

Furniture. Jacob & Josef Kohn & Mundus, Inc. 239,936; June 14.
Mattresses. H. M. Bedell. 248,472; June 14.
Picture frames. Rexgold Manufacturing Company. 247,212; June 14.
Radiator shields and inclosures, Heating. W. H. Johnson & Company. 247,797; June 14.

CLASS 33.

Bottles made of glass, Prescription. Obear-Nester Glass Co. 247,961; June 14.
Glass. Corning Glass Works. 247,781; June 14.
Glass. Corning Glass Works. 247,839; June 14.

CLASS 34.

Radiating combustion chambers. Carborundum Company. 246,661; June 14.

CLASS 36.

Music rolls and combination music and word rolls. International Player-Roll Company. 245,643; June 14.
Phonograph reproducer. M. F. Osuch. 247,095; June 14.

CLASS 37.

Books, etc., School blank. Dudley Paper Co. 246,687; June 14.
Mimeograph. H. W. Zelger. 247,880; June 14.
Paper, Ornamental. Nashua Gummed & Coated Paper Company. 241,632; June 14.
Papers and envelopes, typewriter paper, tablets, score pads, etc., Writing. Samuel Ward Manufacturing Company. 245,376; June 14.
Tracing and pencil cloth. Arkwright Finishing Company. 245,686; June 14.

CLASS 38.

Cards, Completely-printed tabulated. Statistical Tabulating Service. 245,665; June 14.
Comic strip. NEA Service, Inc. 248,315; June 14.
Magazine. Ahrens Publishing Company. 248,610–11; June 14.
Magazine. Amateur Cinema League, Inc. 248,387; June 14.
Magazine. Martin Publications, Inc. 248,239; June 14.
Magazine. Singing Magazine Co. 248,598; June 14.
Magazine. M. J. Sullivan. 244,335; June 14.
Maps, tourists' guides, etc., Road. E. Fergusson. 230,620; June 14.
Periodical. Cleveland Chamber of Commerce. 247,988; June 14.
Publication. Gladding McBean & Co. 248,566; June 14.
Publication. Pioneer Publishing Co. 248,194; June 14.
Publication. Pioneer Publishing Co. 248,250; June 14.
Publications. Loudspeaker Publishing Corporation. 247,799; June 14.

CLASS 39.

Boots and shoes. Firestone-Apsley Rubber Company. 226,894; June 14.
Boots and shoes. United States Rubber Company. 244,802; June 14.
Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Company. 245,489; June 14.
Clothing. Men's. Schoen & Turkel, Incorporated. 245,300; June 14.
Collars and cuffs, vests, and scarfs. Oppenheim & Baruch, Inc. 246,974; June 14.
Corsets, girdles, and underwear. Eddy-Form Brassiere Co. 247,680–1; June 14.
Cravats, ties, etc. J. I. Gumport and Sons, Inc. 243,437; June 14.
Dresses. Charles Salomon & Co. Inc. 245,957; June 14.
Dresses. Sherr Bros. 245,866; June 14.
Hats. La France Hat Co. 248,004; June 14.
Hats, frames, and linings. G. H. Hodge. 239,475; June 14.
Hats, Ladies'. Jos. Anderson & Co. Inc. 247,768; June 14.
Hats, Men's stiff and felt. Crestwell Hatters, Inc. 247,361; June 14.
Hats, Men's straw. Burkhardt Bros. Co. 246,150; June 14.
Hats, Straw. Endel & Peles Straw Hat Works, Inc. 228,746; June 14.
Heels, Rubber. Casa Anchorena, Inc. 246,462; June 14.
Hoods of wool, straw, hemp, etc. Harry Geist Company. 230,667; June 14.
Hosiery. Himelhoch Brothers & Company. 247,472; June 14.
Hosiery. Phoenix Hosiery Company. 247,565–7; June 14.
Hosiery, Protectors for. H. B. Schott. 247,497; June 14.
Hosiery, underwear, etc. Highland Mills, Inc. 243,362; June 14.
Jackets. Shapiro & Rubin. 247,104; June 14.
Overalls, shirts, pants, etc. Carp & Co. 247,002; June 14.
Overcoats, coats, suits, etc. Roberts Wicks Company. 230,416; June 14.
Pants, Rubber baby. J. C. Penny Company. 246,982; June 14.
Play suits and underwear. Wheatley & Schwabe. 243,903; June 14.
Pyjamas, nightrobes, underwear, etc. Carlton Mills, Inc. 247,887; June 14.
Raincoats. Cooper Rain Wear Mfg. Co. 247,461; June 14.
Shirts. D. F. M. Fitzgerald. 246,745; June 14.
Shirts and pants. Chicago Mail Order Company. 246,667; June 14.
Shirts and pyjamas. Usona Shirt Company. 247,763; June 14.
Shirts having collars attached. Tutelman & Kohn 247,452; June 14.
Shoes. Cushman-Hollis Company. 247,173; June 14.
Shoes. W. F. Drese. 248,032; June 14.
Shoes. Charles A. Eaton Company. 244,220; June 14.
Shoes. Harper & Kirschten Shoe Co. 244,092; June 14.
Shoes and boots. Excelsior Shoe Company. 248,228; June 14.
Shoes, slippers, and boots, overshoes, and shoe findings. Cumberland Shoe Co. 247,989; June 14.
Suits and overcoats. H. Wolbarsht & Company. 244,967; June 14.
Suits and overcoats, Men's. Wm. P. Goldman & Bros., Inc. 247,949; June 14.
Suits, coats, and dresses. Jaunty Garment Co. Inc. 245,096; June 14.
Suits, pants, overcoats, shirts, etc. Dolph-Murray, Inc. 245,622; June 14.
Topcoats, overcoats, and suits. American Retail Stores Co. 235,447; June 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Trousers, vests, coats, overcoats, etc. Rogers Peet Company. 246,229; June 14.
Underwear. Wheatley & Schwabe. 243,905; June 14.
Underwear, Knitted. H. J. Tully. 247,716; June 14.
Underwear, lingerie, dresses, and suits. Wyant Way of New York Inc. 246,989; June 14.

CLASS 40.

Buttons, Agate. E. W. Brockman. 248,150; June 14.
Buttons, Agate. New York Merchandise Company. 248,186; June 14.
Combs. Wilcox Comb Company. 247,234; June 14.
Patches for patchwork, Ready-cut. Patchcraft Corporation. 248,245; June 14.
Shoe laces. Griggs, Cooper & Company. 231,858; June 14.

CLASS 42.

Handkerchiefs. S. W. Magnus & Company. 231,743; June 14.
Rayon and silk mixed piece goods. Duplan Silk Corporation. 248,161; June 14.
Rugs, Textile. Hillside Cotton Mills. 247,735; June 14.
Silk piece goods. Duplan Silk Corporation. 248,162; June 14.
Silk piece goods. Stehli Silks Corporation. 248,378; June 14.
Textile fabrics. B. F. Miller. 247,808; June 14.
Velvet, velveteen, and corduroy. Vanetta Velvet Co. 247,917; June 14.
Woolen textile fabrics. Atlantic Mills. 248,466; June 14.
Woolen textile fabrics in the piece. Atlantic Mills. 248,469; June 14.
Worsted and woolen dress goods. F. A. Bochmann & Co. 246,950; June 14.

CLASS 43.

Yarn. Champlain Silk Mills. 248,618; June 14.

CLASS 44.

Aprons, step-ins, bloomers, etc., Sanitary. C. J. Haley & Co. 233,074; June 14.
Magnetic coil. G. Biberger. 244,422; June 14.
Swabs. Leo Gerstenzang Co. Inc. 245,007; June 14.
Teeth, dental cement, etc., Artificial. Amalgamated Dental Company Limited. 246,585; June 14.

CLASS 45.

Beverage. J. A. Gilka A. G. 244,926; June 14.
Beverages. V. Jones. 247,132; June 14.
Beverages, Orange Crush Bottling Co. 248,373; June 14.
Beverages and sirups for making same. General Beverage Company. 248,563; June 14.
Beverages and sirups for making the same. A. W. Mynderse. 247,384; June 14.
Concentrates, sirups, and flavors. Brechet & Richter Company. 245,046; June 14.
Extract for making soft drinks. C. M. Brewer. 247,595; June 14.

CLASS 46.

Apples. Roche Fruit & Produce Company. 237,821; June 14.
Apples, peaches, and plums, fresh pomegranates, etc. Mayflower Fruit Association. 246,040; June 14.
Bananas. I. P. Butzbach. 247,064; June 14.
Bread. Flaherty Baking Company. 248,356; June 14.
Bread. B. Westergaard & Company. 245,309; June 14.
Candies. Kibbe Brothers Company. 246,164; June 14.
Candies. D. Primrose. 241,179; June 14.
Candy. P. F. Beich Company. 243,920; June 14.
Candy. Fannie May Candy Co. Inc. 248,094; June 14.
Candy. Loft, Inc. 244,162; June 14.
Candy. Planters Nut & Chocolate Co. 238,806; June 14.
Canned fruit, jams, jellies, etc. Pacific Coast Canners, Inc. 241,897; June 14.
Canned fruits, vegetables, etc. Sunical Packing Company. 246,645; June 14.
Canned vegetables. Inderrieden Canning Co. 246,287; June 14.
Cereal health food. J. C. Brondy. 244,914; June 14.
Citrous fruits. West Ontario Citrus Association. 248,604; June 14.
Coffee. Jas. H. Forbes Tea & Coffee Co. 247,984; June 14.
Coffee. National Grocery Company. 244,088; June 14.
Confections and sweets. Aktiebolaget Pastill. 228,289; June 14.
Crackers, wafers, etc. Battle Creek Food Co. 242,564; June 14.
Feed, Cattle. Grain Belt Mills Company. 248,661; June 14.
Feed, Horse, cow, chicken, etc. Colorado Milling & Elevator Co. 248,620; June 14.
Flour, Wheat. Colorado Milling & Elevator Co. 248,621; June 14.
Flour, Wheat. Larabee Flour Mills Company. 246,295; June 14.
Flour, Wheat, buckwheat, and rye. United Grain and Supply Company. 229,833; June 14.
Flour, Wheat, rye, Graham, etc. Flour Mills of America, Inc. 244,531; June 14.
Fruits and grapes, Deciduous. Woodbridge Fruit Company. 237,056; June 14.
Ginger root preserved in sirup, Chinese sauce, etc. J. Eng. 230,389; June 14.
Grapefruit, limes, oranges, etc. West Indies Fruit Importing Company. 242,642; June 14.
Gum, Chewing. Val Blatz Brewing Company. 247,916; June 14.
Gum, Chewing. Wm. Wrigley Jr. Company. 245,773; June 14.
Ham, bacon, and sausage. South End Meat Products Co. 242,446; June 14.
Jelly, jam, fruit preserves, etc. California Preserving Co. 248,551; June 14.
Macaroni. Milwaukee Macaroni Co. 247,441; June 14.
Meal, White-corn table. Mayo Milling Company. 247,198; June 14.
Olives, Marie A. K. Hitzfeld, Viuda de Diego Gomez. 243,154; June 14.
Pickles. M. Nielsen. 230,799; June 14.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 246,567; June 14.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 246,864; June 14.
Pork and bacon. North Packing and Provision Company. 237,917; June 14.
Poultry, eggs, and chicks. Mapleside Poultry Farms. 244,508; June 14.
Prunes, figs, raisins, peaches, etc., Dried. Sunland Sales Cooperative Association. 237,880; June 14.
Sausage, bacon, ham, and drief beef. Guggenheim Bros. 247,020; June 14.
Sirup, Table. Stacy Williams Co. 247,646; June 14.
Sirups and extracts. Sears & Derr Company. 246,638; June 14.
Sugar sirups, Cane-. Godchaux Sugars Inc. 245,547; June 14.

CLASS 48.

Malt beverages, extracts, etc. Gabriel & Jos. Sedlmayr Spaten - Franziskaner - Leistbräu A. G. Munchen. 245,542–3; June 14.
Malt sirup. H. Messerschmidt. 248,312; June 14.
Malt sirup. Miller Products Company. 243,769; June 14.
Malt sirup. A. J. Mooney. 248,708; June 14.
Malt sirup. G. Tiefenthaler. 248,600; June 14.
Malt sirup for beverages. W. Graf. 248,362; June 14.

CLASS 50.

Mats. Cleveland Buckram & Bag Co. 246,465; June 14.
Signs. R. A. Tariel. 246,721; June 14.
Table pad. O. Winter. 246,796–7; June 14.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A. B. See Elevator Company. (See Jackson, Joseph R., jr., assignor.)

Abendroth, Wilhelm, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Arrangement or system for the generation of steam. 1,632,575; June 14.

Accessories Manufacturing Company. (See Bramming, Carl, assignor.)

Adams & Westlake Company, The. (See Holt, Thomas W., assignor.)

Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Fluid compressor. 1,632,262; June 14.

Air-Scale Company, The. (See Morley, Earl M., assignor.)

Airship Guarantee Company Limited. (See Burney, Charles D., assignor.)

Aktiebolaget Atlas Diesel. (See Danielsson, Axel U. S., assignor.)

Aktiebolaget Knappfabriken. (See Bladh, Johan A., assignor.)

Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Roebel, Ludwig, assignor.)

Alexander, Harry V., Bonne Terre, Mo. Aeroplane. 1,632,158; June 14.

Alfisi, Raffaele, Brooklyn, N. Y. Lock for automobiles. 1,632,576; June 14.

Allahverdian, Wagna, Utica, N. Y. Lineman's climbing iron. 1,632,688; June 14.

Allen, Chester B., assignor of one-half to W. H. Russe, Memphis, Tenn. Vehicle wheel. 1,632,427; June 14.

Alliance Machine Company, The. (See Yanney, George W., assignor.)

Allied Metal Industries, Inc. (See Finch, Harry, assignor.)

Allred, Daniel M. (See Foerster, Herman, assignor.)

American Bottle Company, The. (See Stewart, Gayle D., assignor.)

American Foundry Equipment Company, The. (See Minich, Verne E., assignor.)

American Gas Construction Company. (See Tenney, C. L., and Thayer, assignors.)

American Kron Scale Company. (See Holm, John, assignor.)

American Motor Body Corporation, The. (See Hansen, Conrad T., assignor.)

American Optical Company. (See Baker, Nelson M., assignor.)

American Safety Razor Corporation. (See Knufman, Joseph, assignor.)

American Telephone and Telegraph Company. (See Dustin, George E., assignor.)

American Telephone and Telegraph Company. (See Martin, William H., assignor.)

American Telephone and Telegraph Company. (See Toomey, John F., assignor.)

American Tobacco Company, The. (See Dalton, J. T., and Corson, assignors.)

Amsterdam Cutlery Company. (See Wilkes, C. H., and Calhoun, assignors.)

Amundsen, Ivar, Oslo, Norway. Refrigerating machine of the absorption type. 1,632,387; June 14.

Anderson, Claude M., Guys Hill, Jamaica, British West Indies. Lantern. 1,632,577; June 14.

Anderson, Edgar, Wakefield, Nebr. Vehicle signal. 1,632,689; June 14.

Anderson, Ernst G. K., Chicago, Ill., assignor to Appleton Electric Company. Controlling switch for spotlights and the like. 1,632,754; June 14.

Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Gas scrubber. 1,632,325; June 14.

Anderson, Horace C., Amarillo, Tex. Gas-outlet fixture. 1,631,953; June 14.

Anderson, William A., Kanorado, Kans. Device for expanding wheel rims. 1,632,263; June 14.

Andrews, John S., Los Angeles, Calif. Wall furnace. Re16,657; June 14.

Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)

Armistead, Hubert M., San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Variable-spacing platen clutch for typewriters. 1,632,361; June 14.

Armistead, Hubert M., San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding attachment for typewriters. 1,632,362; June 14.

Armstrong, Lyman P., San Jose, Calif. Clamping device. 1,632,108; June 14.

Aronson, Louis V., Newark, N. J. Clock casing. Des. 72,811; June 14.

Aronson, Louis V., Newark, N. J. Clock casing. Des. 72,812; June 14.

Arrow Electric Company, The. (See Nero, Arvid H., assignor.)

Ashton, Richard A., assignor to Seneca Falls Machine Co., Seneca Falls, N. Y. Work-driving device. 1,632,018; June 14.

Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See von Schubert, Erich, assignor.)

Atchison, Arlo G., Santa Barbara, Calif. Camera attachment. 1,623,690; June 14.

Autan Corporation. (See Gaisman, H. J., and Schumacher, assignors.)

Auto Research Corporation. (See Bijur, Joseph, assignor.)

Auto Research Corporation. (See Bloom, Edgar J., assignor.)

Automatic Electric Inc. (See Lomax, Clarence E., assignor.)

Avis, August, Malang, Java, Dutch East Indies. Engine-starting device. 1,632,264; June 14.

Axberg, Edward, Spokane, Wash. Ticket cabinet. 1,632,265; June 14.

Babcock & Wilcox Company, The. (See Lewis, Nathan E., assignor.)

Baer, Frances R., Kansas City, Mo. Game. 1,632,640; June 14.

Bahlke, William H. (See Wilson, R. E., and Bahlke.)

Bahr, Fritz, Charlottenburg, Germany, assignor to General Electric Company. Arc lamp of the sealed type. 1,632,578; June 14.

Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic-rim stretcher. 1,632,266; June 14.

Baker-Vawter Company. (See Steenrod, William J., assignor.)

Baldwin, James L., Chicago, Ill. Clutch. 1,632,159; June 14.

Baldwin Locomotive Works, The. (See Shannon, Ellwood M., assignor.)

Baldwin, Ralph S., and W. A. Johnston, Spokane, Wash. Mineral separator. 1,632,210; June 14.

Baltzley, Louis E., Glen Ridge, N. J. Traffic signal. 1,632,211; June 14.

Baltzley, Louis E., Glen Ridge, N. J. Adjusting device. 1,632,212; June 14.

Barbieri, Ceasare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Receptacle and blank therefor. 1,632,019; June 14.

Barger, William R., and L. A. Hawkins, Washington, D. C., and C. P. Blatz, Pasadena, Calif., assignors, by mesne assignments, to the people of the United States. Treatment of fruit in the preparation of fruit for market. 1,632,579; June 14.

Barlow, Lester P., Stamford, Conn. Vapor-cooling system. 1,632,580; June 14.

Barlow, Lester P., Stamford, Conn. Engine-cooling system. 1,632,581; June 14.

Barlow, Lester P., Detroit, Mich. Engine-cooling system. 1,632,582; June 14.

Barlow, Lester P., Detroit, Mich. Engine-cooling system. 1,632,583; June 14.

Barlow, Lester P., Detroit, Mich. Engine-cooling system. 1,632,584; June 14.

Barlow, Lester P., Stamford, Conn. Vapor-cooling system for internal-combustion engines. 1,632,585; June 14.

Barlow, Lester P., Stamford, Conn. Vapor-cooling system for internal-combustion engines. 1,632,586; June 14.

Barnes, William G., Kansas City, Mo. Body adjuster for deceased persons. 1,632,160; June 14.

Barnett, Arthur J., New York, N. Y., assignor to The Worcester Knitting Co., Worcester, Mass. Buttonless bathing suit. 1,632,723; June 14.

Bartels, Edward E. assignor to Standard Oil Company, Whiting, Ind. Liquid and mechanical seal. 1,632,213; June 14.

Bassett, Preston R., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Arc lamp. 1,632,161; June 14.

Bassick Manufacturing Company. (See Houghton, Herbert H., assignor.)

Bauer, Frank, Williamsville, N. Y. Rigid aircraft. 1,632,641; June 14.

Bauer, William J., Syracuse, N. Y. Anchor. 1,632,529; June 14.

Beall, Charles R., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,632,162; June 14.

Beaston, Greek P., assignor to J. McCracken, Coin, Iowa. Circuit closer. 1,632,530; June 14.

Beaulac, Charles E., Bartlettville, Alberta, Canada. Movable headlight. 1,632,691; June 14.

Beaumont, R. H., Co. (See Birch, Herbert E., assignor.)

Bechstein, Carl A., et al. (See Jones, Ira M., assignor.)

Beem, John C., Sawtelle, Calif. Drafting instrument. 1,632,267; June 14.

Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Ticket and securing means therefor. 1,631,954; June 14.

Belin, Edouard, Ruell, France. Optical receiver for teletype machines. 1,632,163; June 14.

Bell, John E., Brooklyn, N. Y., assignor to Combustion Engineering Corporation. Grinding and drying apparatus. 1,632,109; June 14.

Bell, Samuel J., West Springfield, Mass. Cooking utensil. 1,632,326; June 14.

Bell Telephone Laboratories. (See Haddock, Arthur, assignor.)

Bell Telephone Laboratories, Incorporated. (See Whiting, Donald F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Whitney, Wiley, assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bendix Brake Company. (See McConkey, Montgomery W., assignor.)

Bendix Brake Company. (See Thomas, George J., assignor.)

Benenati, Nicholas, New York, N. Y. Mounted gas heater. 1,632,587; June 14.

Benham, William T., Norwood, and J. E. Dwyer, assignors to The Hall's Safe Company, Cincinnati, Ohio. Safe-locking mechanism. 1,632,428; June 14.

Benham, William T., Norwood, and J. E. Dwyer, assignors to The Hall's Safe Company, Cincinnati, Ohio. Time-lock mechanism. 1,632,429; June 14.

Benjamin, Bert R., Oak Park, and W. Webber, La Grange, assignors to International Harvester Company, Chicago, Ill. Adjustable self-aligning bushing. 1,632,164; June 14.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Manufacturing Company. (See Warner, Charles E., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-fixture support and connecter. 1,631,997; June 14.

Berger, Matthew R., Philadelphia, Pa. Manner of making sickle hooks. 1,632,327; June 14.

Bergman, Carl, Bergenfield, N. J. Transformer. 1,631,955; June 14.

Bergmann, Christian N., Pittsburgh, Pa., E. Z. Taylor, Newark, N. J., and C. Taylor, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa. Measuring device for plastic material. 1,632,165; June 14.

Bergmann Packaging Machine Company. (See Bergmann, C. N., and Taylor, assignors.)

Berry, Charles F., Boston, Mass. Combined door and table. 1,632,268; June 14.

Bertels, Arnold S., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device. 1,632,053; June 14.

Beugler, Edwin F., assignor to E. & B. Holmes Machinery Co., Buffalo, N. Y. Barrel-reversing mechanism. 1,632,110; June 14.

Bevilacqua, Guilio, Clifton, N. J. Safety gas-stove lock. 1,632,111; June 14.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubricating installation. 1,632,771; June 14.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Flow-control fitting. 1,632,772; June 14.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Supply installation for central chassis lubrication. 1,632,773; June 14.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Element of lubricant supply installations. 1,632,774; June 14.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubricating installation. 1,632,775; June 14.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Supply installation for central chassis lubrication. 1,632,776; June 14.

Bingham, Jeremiah, assignor to The Bingham Stamping & Tool Company, Toledo, Ohio. Wheel-hub construction. 1,632,214; June 14.

Bingham Stamping & Tool Company, The. (See Bingham, Jeremiah, assignor.)

Birch, Herbert E., assignor to R. H. Beaumont Co., Philadelphia, Pa. Fastening hoisting rope to skip buckets and counterweights. 1,632,755; June 14.

Blackburn, Robert, Chorley, assignor to Parent Caterpillar Company, Limited, London, England. Roundabout and like amusement apparatus. 1,632,692; June 14.

Bladh, Johan A., assignor to Aktiebolaget Knappfabriken, Askersund, Sweden. Machine for the manufacturing of buttons. 1,632,642; June 14.

Blair, Bert R. (See Van de Water, J. W., and Blair.)

Blake, C. C., Incorporated. (See Fernald, Mark E., assignor.)

Blake, Ell J. (See Bouché, W. F., and Blake.)

Bland, Leonard N., North Sydney, assignor to Bland Magnetic Valves Limited, Sydney, New South Wales, Australia. Electromechanical valve-operating means for internal-combustion engines. 1,632,531; June 14.

Bland Magnetic Valves Limited. (See Bland, Leonard N., assignor.)

Blatz, Clarence P. (See Barger, W. R., Hawkins, and Blatz.)

Bloom, Edgar J., Tiffin, Ohio, assignor, by mesne assignments, to Auto Research Corporation. Terminal construction for central lubricating installations. 1,632,724; June 14.

Bloom, Edgar J., Tiffin, Ohio, assignor, by mesne assignments to Auto Research Corporation. Chassis lubrication. 1,632,767; June 14.

Bloss, Eugene, et al. (See Pecker, Joseph S., assignor.)

Blow-Knox Company. (See Venable, William M., assignor.)

Blue, Louis V., Pittsburgh, assignor of one-fourth to W. A. Falson, Chester, Pa. Automatic closer for windows and the like. 1,632,532; June 14.

Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Ceiling plate for lighting fixtures. Des. 72,813; June 14.

Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Loop for lighting fixtures. Des. 72,814; June 14.

Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Loop for lighting fixtures. Des. 72,815; June 14.

Bolzonetti, Decio, Pittsburgh, Pa. Combined letter box and milk-bottle holder. 1,632,020; June 14.

Borbeck, Robert E., and G. C. Truman, Los Angeles, Calif. Oil-level regulator. 1,632 215; June 14.

Boston Woven Hose & Rubber Co. (See Fellows, John W., assignor.)

Bottome, Edgar M., assignor to Fostoria Glass Co., Moundsville, W. Va. Plate. Des. 72,816; June 14.

Bottome, Edgar M., assignor to Fostoria Glass Co., Moundsville, W. Va. Goblet. Des. 72,817; June 14.

Bouché, William F., Lancaster, and E. J. Blake, Buffalo, assignors, by mesne assignments, to Gould Car Lighting Corporation, Rochester, N. Y. Exhaust muffler. 1,632,328; June 14.

Bourcier, Charles D., Grafton, Mass. Ignition-testing device for internal-combustion engines. 1,632,166; June 14.

Bourne, Stephen. (See Rypinski, M. C., Staunton, and Bourne.)

Bouwers, Albert. (See Holst, G., and Bouwers:)

Bradford, Zerbe C., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition timer. 1,632,167; June 14.

Bradley, Harry T., and F. Jacobi, Newark, N. J. Collapsible hamper. 1,632,269; June 14.

Bradley, Harry T., and F. Jacobi, Newark, N. J. Adjustable bottom for hampers. 1,632,270; June 14.

Bradley, William, Thrift, Tex. Traveling valve for oil-well pumps. 1,632,216; June 14.

Bramming, Carl, Chicago, Ill., assignor to Acessories Manufacturing Company. Connector member. 1,632,112; June 14.

Brandes Laboratories, Inc. (See Rypinski, M. C., Staunton, and Bourne, assignors.)

Branchler, Charles A., Canton, Ohio. Forging gear blanks. 1,632,533; June 14.

Braun, Carl, Canastota, N. Y. Receptacle sterilizer. 1,632,588; June 14.

Breaux, Aline O., New Iberia, La. Bedpan. 1,632,021; June 14.

Bree, Heller O., Auckland, New Zealand. Switching and starter apparatus of electric motors. 1,632,534; June 14.

Breeden, Paul L. (See Breeden, Sam G. and P. L.)

Breeden, Sam G. and P. L., Memphis, Tenn. Battery and connecter. 1,632,535; June 14.

Bren, George T., New Rochelle, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Chute. 1,632,536; June 14.

Breene, Harry H., Tulsa, Okla. Well-sealing device. 1,632,271; June 14.

Brent, James A., Kalispell, Mont. Automobile body. Des. 72,818; June 14.

Brigel, Charles E., Cincinnati, Ohio. Price tag and tag holder. 1,632,537; June 14.

Brill, J. G., Company, The. (See Leonhauser, Henry A., assignor.)

Bristol, John S., Danbury, Conn. Driving bit. 1,632,589; June 14.

Brockel, Thomas W., and P. F. Ebling, Milwaukee, Wis. Child's shoe. 1,632,430; June 14.

Brogden, Joab, Melrose Park, Pa. Vise. 1,632,538; June 14.

Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Phenolic condensation product. 1,632,113; June 14.

Brown, Charles W., et al. (See Molony, S. B., and Nikaido, assignors.)

Brown, Jackson W., assignor of forty-five per cent to F. E. Farris, De Quincy, La. Railway crossing. 1,632,725; June 14.

Brown, John H., Jersey City, N. J. Warehouse-truck brake. 1,632,217; June 14.

Brown, John T. L., New Brighton, assignor to Western Electric Company, Incorporated, New York N. Y. Oscillation generator. 1,632,054; June 14.

Brown, Robert M., Chicago, Ill., assignor of forty-five one-hundredths to A. Pow, Glencoe, Ill. Wall panel. 1,632,431; June 14.

Brown, William E., Los Angeles, Calif. Folding cot. 1,632,114; June 14.

Brune, Herbert M., et al., trustees. (See Charles, Carl L., assignor.)

Buckman, Harold W., and H. Prentice, assignors to Vance Engineering Company, Pittsburgh, Pa. Control valve for fluid-perssure devices. 1,632,168; June 14.

Bull, William C., Brooklyn, N. Y. Shock-resisting glass. 1,632,363; June 14.

Burhans, William G., Kingston, N. Y. Oil filter. 1,632,461; June 14.

Burney, Charles D., assignor to Airship Guarantee Company Limited, Westminster, London, England. Lighter-than-air aircraft. 1,632,169; June 14.

Burrichter, John A., St. Paul, Minn. Greasless-doughnut machine. 1,632,115; June 14.

Burt, F. N., Company. (See Royal, Joseph N., assignor.)

Buss, Otto W. L., Minneapolis, Minn. Hinge. 1,632,116; June 14.

Buttigieg, John, Elgin, Ill. Spring motor. 1,632,693; June 14.

Caldwell, Truman S., assignor to Racine Horseshoe Tire Company, Racine, Wis. Tire. Des. 72,819; June 14.

Calhoun, George E. (See Wilkes, C. H., and Calhoun.)

Caloroll Burner Corporation. (See Grant, Albert E., assignor.)

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Triple valve. 1,632,756; June 14.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Triple valve. 1,632,757; June 14.

Campbell, Lorn, jr., Minneapolis, Minn., assignor, by mesne assignments, to The Harris Calorific Company, Cleveland, Ohio. Regulator. 1,632,055; June 14.

Cameron, Edward, New York, N. Y. Oil-gas apparatus. 1,632,432; June 14.

Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Power press. 1,632,462; June 14.

Capstaff, James A. (See Fletcher, A., jr., and Capstaff.)

Carpenter, Campbell C., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Battery cell. 1,632,364; June 14.

Carpenter, Warren W., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,632,056; June 14.

Carman, Edwin S., East Cleveland, and E. E. Curtis, Lakewood, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 1,631,998; June 14.

Carver, George W., Tuskegee, Ala. Producing paints and stains. 1,632,365; June 14.

Cascade Manufacturing Company. (See Kehoe, Michael J., assignor.)

Cascade Manufacturing Company. (See Kehoe, Thomas J. and M. J., assignors.)

Case, J. I., Threshing Machine Company. (See MacGregor, Wallace F., assignor.)

Castles, Thomas R., Portland, Oreg. Burglar alarm. 1,632,170; June 14.

Celite Company, The. (See Thatcher, Harry S., assignor.)

Centlivere, John L., Laramie, Wyo. Movable feature figure toy. 1,632,272; June 14.

Central Scientific Company. (See Klopsteg, P. E., and Sachse, assignors.)

Chaffin, Howard A., and F. C. Holmes, assignors to Enoz Chemical Company, Chicago, Ill. Sprayer. 1,632,218; June 14.

Chandler, Edwin M. S., Taunton, Mass. Storing drying oils. 1,631,999; June 14.

Chapman, John A., et al., trustees. (See Sommer, William H., assignor.)

Charles, Carl L., assignor, by mesne assignments, to H. M. Brune, C. E. Scarlett, and J. Fisher, trustees, Baltimore, Md. Railway-car truck. 1,632,117; June 14.

Chenowith, William H., and G. C. Schimpf, Curtis Bay, assignors to H. D. Harvey, Baltimore, Md. Melting furnace. 1,632,366; June 14.

Chesebrough, John L., et al. (See Midgley, Joseph, assignor.)

Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)

Chicago Railway Equipment Company. (See Ekholm, Herbert W., assignor.)

Chilton, Roland, Keyport, N. J., assignor to Healey-Aeromarine Bus Company, Inc. Load-limiting clutch. 1,632,539; June 14.

Chinn, Howard T., Atascadero, Calif. Doll. 1,632,171; June 14.

Christiansen, Hans A., and L. E. Merrick, Agar, S. Dak. 1,632,367; June 14.

Christman, Peter J., jr., Green Bay, Wis. Machine for superimposing paper sheets. 1,632,433; June 14.

Cincinnati Shaper Company, The. (See Hazelton, Robert T., assignor.)

Clarinda Manufacturing Company. (See Criner, Harry J., assignor.)

Clark, George H., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Adjustment of wave lengths. Re. 16,651; June 14.

Clark, Henry R., Tarrant, Ala. Fertilizer distributor. 1,632,540; June 14.

Clark, William E., Mount Hood, Oreg. Retainer. 1,632,761; June 4.

Clause, William L., et al. (See Molony, S. B., and Nikaido, assignors.)

Cleveland Trust Company, trustee, The. (See Kaehni, Frank J. and W. L., assignors.)

Cleveland Trust Company, trustee, The. (See Pearson, Carl E., assignor.)

Clifford, Wiley C., Rochester, N. Y. Tool container. 1,632,172; June 14.

Clleson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Triple tandem-pressing-machine mechanism. 1,632,463; June 14.

Cloer, Walter J., Young Harris, Ga., assignor of one-half to W. M. Fain, Murphy, N. C. Plow. 1,632,388; June 14.

Clouse, H. S. (See Fenner, Miner E., assignor.)

Cobb, Chrystal, and C. C. Marshall, Akron, Ohio. Speed and direction indicator. 1,632,643; June 14.

Coe Manufacturing Company, The. (See Vance, Arthur J., assignor.)

Cohen, Irving H., assignor of one-half to I. D. Groak, Chicago, Ill. Lighting device. 1,632,173; June 14.

Coleman Automatic Transmission Company. (See Coleman, George B., assignor.)

Coleman, George B., Dayton, Ohio, assignor to Coleman Automatic Transmission Company, San Francisco, Calif. Automatic transmission. 1,632,694; June 14.

Coleman, George B., Dayton, Ohio, assignor to Coleman Automatic Transmission Company, San Francisco, Calif. Automatic transmission. 1,632,695; June 14.

Coleman, George B., Philadelphia, Pa., assignor to Coleman Automatic Transmission Company. Transmission. 1,632,696; June 14.

Colton, Stanley J., Binford, N. Dak. Trace carrier. 1,632,368; June 14.

Combustion Engineering Corporation. (See Bell, John E., assignor.)

Conger, Claude M., assignor to Irving Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf-binder cover. 1,632,434; June 14.

Conklin, Roscoe G., Omaha, Nebr. Flagstaff. 1,632,726; June 14.

Conklin, William F., Tarentum, Pa. Electric socket switch. 1,632,174; June 14.

Conturier Company. (See Lemm, Frederick L., assignor.)

Cook, John T., Howell, assignor of one-half to F. J. Finch, Jackson, Mich. Window screen. 1,632,022; June 14.

Coon, Leslie E., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,632,057; June 14.

Cooper, John W. (See Taylor, R., and Cooper.)

Cooper, William D., White Bear, assignor of forty-nine two-hundredths to H. Wellier and forty-nine two-hundredths to R. C. Sweet, St. Paul, Minn. Telegraph transmitting instrument. 1,632,273; June 14.

Coram, Roy E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,632,058; June 14.

Corson, Blake W. (See Dalton, J. T., and Corson.)

Cortes, Augusto J. D., New York, N. Y. Douche nozzle. 1,632,541; June 14.

Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Clevis. 1,632,175; June 14.

Crain, John, Painesville, Ohio. Stove. 1,632,176; June 14.

Crannell, Orlo G., Lynn, Mass. Coupling means for chains. 1,632,697; June 14.

Craver, John E. (See Joerger, J. N., and Craver.)

Craveroller Company of America. (See Joerger, J. N., and Craver, assignors.)

Crawford, Henry B., et al. (See Lemon, Frank R., assignor.)

Crawford, Lulu L., et al. (See Lemon, Frank R., assignor.)

Crawford, Marquis L., Osceola, Ark. Automatic traffic signal for street crossings. 1,632,698; June 14.

Creed, Frederick G., Croydon, England. Electric transmitter for use in automatic telegraphy. 1,632,274; June 14.

Criner, Harry J., assignor to Clarinda Manufacturing Company, Clarinda, Iowa. Eccentric driving mechanism for power washing machines. 1,632,118; June 14.

Crompton, Francis M. (See Smith, Charles M., assignor.)
Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
Cross, John H., assignor to The Waterman-Waterbury Company, Minneapolis, Minn. Crescent radiator. 1,632,000; June 14.
Crossley Alfred, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Radio signaling system. 1,632,369; June 14.
Crowell, Emerson, Dalzell, S. Dak. Antiskid chain tightening device. 1,632,644; June 14.
Cruncleton, Fred L. (See Cruncleton, Lawrence and F. L.)
Cruncleton, Lawrence, and F. L., Pharr, Tex. Combined grating and spray for refrigerator cars. 1,632,370; June 14.
Cryder, Ray E. (See Holderman, S. J., and Cryder.)
Culver, Edward. (See Watson, F. B., and Culver.)
Curran, Stanley T. (See Mueller, E. C., jr., and Curran.)
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alarm system. 1,632,059; June 14.
Curtis, Austen M., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Signaling system. 1,632,275; June 14.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated. Oscillation generating and supply system. 1,632,389; June 14.
Curtis, Edward E. (See Carman, E. S., and Curtis.)
Cushman, Frederick B., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Combined smoker's stand and magazine rack. Des. 72,820; June 14.
Cushman, H. T., Mfg. Co. (See Cushman, Frederick B., assignor.)
Dahlman, Alfred, Ripple, Oreg. Undercutting-saw support. 1,632,727; June 14.
Dalton, John T., Durham, N. C., and B. W. Corson, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y. Tobacco-stripping machine. 1,632,177; June 14.
Dalton, William, Glenville, N. Y., assignor to General Electric Company. Block flooring. 1,632,590; June 14.
Damon, Fred A., et al. (See Kurz, Robert F., assignor.)
Danielsson, Axel U. S., Ulfsunda, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Compressed air starting device of internal-combustion engines. 1,632,023; June 14.
Darnell Walter R., Long Beach, Calif. Swivel caster with brake and lock. 1,632,435; June 14.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cylinder lubrication. 1,632,119; June 14.
Davis, David C., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Demand meter. 1,632,120; June 14.
Davis, Dwight F., Secretary of War. (See Ragsdale, Earl J. W., assignor.)
Davis, Willard A., Cranston, assignor to S. & R. Lederer Co., Providence, R. I. Connecter for wrist-watch straps. 1,632,178; June 14.
De Causse, Frank, New York, assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Automobile radiator or the like. Des. 72,821; June 14.
Deere & Company. (See Coultas, Wilbur J., assignor.)
De la Torriente, Calixto, Habana, Cuba. Apparatus for catching flies. 1,632,276; June 14.
Delco-Remy Corporation. (See Bradford, Zerbe C., assignor.)
Deller, George E., Covington, Ky. Fire shutter. 1,632,219; June 14.
De Luna, Arturo, Buffalo, N. Y. Sanitary bedpan. 1,632,645; June 14.
Demarest, Thomas W., Pittsburgh, Pa., assignor to The Okadee Company, Chicago, Ill. Valve. 1,632,220; June 14.
Dempster Mill Manufacturing Co. (See Loeber, Herman M., assignor.)
Denney, Milo, Tipton, Mich. Strainer and dirt collector. 1,632,699; June 14.
Dennis, Calvin L., Glen Ridge, N. J. Fabric-testing machine. 1,632,591; June 14.
Dennison, Robert L., New York, N. Y. Fluid-pressure regulator. 1,632,024; June 14.
De Nordiske Fabriker, De-No-Fa A/S. (See Holmboe, Carl F., assignor.)
Deppe, William P. (See Parsons, C. E., and Stevenson, assignors.)
Desontter, Charles, London, England. Beading and the like. 1,632,277; June 14.
Detroit Hoist and Machine Company. (See Watson, Archibald S., assignor.)
De Voe, Albert H., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemmer. 1,631,956; June 14.
Dietz, Joseph M., Ridgway, Pa. Arctic. 1,632,390; June 14.
Dillon, James E. P., South Bend, Ind. Trash receptacle. 1,632,542; June 14.
Dinesen, Laurits, Minneapolis, Minn. Reciprocating pump. 1,632,436; June 14.
Doane, Leroy C., Meriden, assignor to The Miller Company, Meriden, Conn. Shade holder. 1,632,391; June 14.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Universal joint. 1,632,121; June 14.
Dougherty, John W., and W. E. Townley, Owensboro, Ky. Toilet article. 1,632,392; June 14.
Douglas, George, San Francisco, Calif. Nonwarping stove top. 1,632,060; June 14.
Douglass, Leon F., Menlo Park, Calif. Method and apparatus for producing variable image effects in photography. 1,632,221; June 14.
Douglass, Leon F., San Rafael, Calif. Producing colored photographic films. 1,632,278; June 14.
Dow, Alva M. (See Haskins, Arthur G., assignor.)
Drennan, James B., Portland, Oreg. Automobile body spring control apparatus. 1,632,728; June 14.
Duplex Transmission Company. (See Stumpenhorst, John A., assignor.)
Durchin, Andro, Kelayres, Pa. Direction indicator. 1,632,437; June 14.
Dustin, George E., Woodcliff, N. J., assignor to American Telephone and Telegraph Company. Automatic telephone system. 1,632,025; June 14.
Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
Dvilnsky, Abraham, Brockton, Mass. Welted shoe and welt therefor. 1,632,768; June 14.
Dwyer, John E. (See Benham, W. T., and Dwyer.)
Dwyer, William C., and J. I. Mitchell, Auburn, N. Y., assignors to International Harvester Company, Chicago, Ill. Tractor harrow. 1,632,122; June 14.
Easter, John W., San Jose, Calif. Car coupling. 1,632,222; June 14.
Eastman, Ivan L., assignor to L. E. Eastman, Toledo, Ohio. Oil purifier. 1,632,001; June 14.
Eastman, Le Roy E. (See Eastman, Ivan L., assignor.)
Ebling, Paul F. (See Brockel, T. W., and Ebling.)
Eckles, Noble, San Diego, assignor of three-fourths to L. W. Rhode, Los Angeles, and one-fourth to C. Spreckels, San Diego, Calif. Carburetor. 1,632,279; June 14.
Edelson, Samuel, New York, N. Y. Door lock. Des. 72,822; June 14.
Edison Electric Appliance Company. (See Simmons, Albert H., assignor.)
Edmands, John W., Newton, Mass. Railway signal torpedo. 1,632,464; June 14.
Elna Brass Manufacturing Company, The. (See Grantland, John W., assignor.)
Egry Register Company, The. (See Jackson, Philip A., assignor.)
Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam guide. 1,632,061; June 14.
Electric Auto-Lite Company, The. (See Sippel, E. H., and Wright, assignors.)
Electric Refrigeration Corporation. (See Fiske, Jonathan P. B., assignor.)
Electro Metallurgical Company. (See Jacobs, Charles B., assignor.)
Elkin, Catherine H., et al. (See Threefoot, L., and Elkin, assignors.)
Elkin, George W. (See Threefoot, L., and Elkin.)
Elkin, George W., et al. (See Threefoot, L., and Elkin, assignors.)
Elkin, Mary, et al. (See Threefoot, L., and Elkin, assignors.)
Elliott Addressing Machine Company. (See Gray, Elmer E., assignor.)
Elliott, Frank W. (See Evins, Dossa D., assignor.)
Else, Harry D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction-gear transmission. 1,632,123; June 14.
Emory, Francis F., Leominster, Mass. Steam separator. 1,632,280; June 14.
Engel, Albert W., Chicago, Ill. Album. 1,632,002; June 14.
Enoz Chemical Company. (See Chaffin, H. A., and Holmes, assignors.)
Esau, George W., Milwaukee, Wis. Desk calendar. 1,632,393; June 14.
Eskholme, John W., East Orange, N. J., assignor to Red Star Appliances, Inc., New York, N. Y. Stamp-canceling machine. 1,632,281; June 14.
Ev-Air-Tight Calking Co. (See Pedrick, Howard A., assignor.)
Evins, Dossa D., assignor to F. W. Elliott, Davenport, Iowa. Attachment for chiropractic tables. Re16,653; June 14.
Ewing, William B., Chicago, Ill. Steam generator. 1,632,438; June 14.
Fairchild, Walter L., New York, N. Y. Apparatus for producing pneumatic tubes. 1,632,394; June 14.
Fairley, William, Oakland, Calif. Window construction. 1,632,700; June 14.
Faison, William A. (See Blue, Louis V., assignor.)
Farmer, George W., Oakland, Calif. Station indicator. 1,632,465; June 14.
Farmer, Percy L. (See Triay, E. J., jr., and Farmer.)
Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way wave transmission system. 1,632,282; June 14.
Farris, Farris E. (See Brown, Jackson W., assignor.)
Feagans, John E., Dresden, Ohio. Railroad tie truss. 1,632,466; June 14.

Fellows, John W., Arlington, assignor to Boston Woven Hose & Rubber Co., Cambridge, Mass. Resilient wearing surface. 1,632,395; June 14.
Fenner, Miner E., assignor of one-half to H. S. Clouse, Sumner, Nebr. Haystacker. 1,632,743; June 14.
Ferguson, John G., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Regulator. 1,632,062; June 14.
Fernald, Mark E., Southboro, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass. Cutting leaders, gears, or racks. 1,632,396; June 14.
Fey, Howard M., San Antonio, Tex. Cam-shaft control. 1,632,223; June 14.
Field, Herbert D. (See McCrystal, Robert C., assignor.)
Finch, Frank J. (See Cook, John T., assignor.)
Finch, Harry, Inglewood, Calif., assignor to Allied Metal Industries, Inc. Chandelier. Des. 72,823; June 14.
Finch, Harry, Inglewood, Calif., assignor to Allied Metal Industries, Inc. Lighting-fixture bracket. Des. 72,824; June 14.
Firestone Tire and Rubber Company, The. (See Jones, Robert R., assignor.)
Fish, Frederick K., jr., San Francisco, Calif. Process and apparatus for making pulp from fibrous material. 1,632,407; June 14.
Fisher, Janon, et al, trustees. (See Charles, Carl L., assignor.)
Fisk Rubber Company, The. (See Pratt, Benjamin H., assignor.)
Fiske, Jonathan P. B., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Cooling unit. 1,632,283; June 14.
Fitzsimmons, James W., Oakland, Calif. Matrix scorcher. 1,632,646; June 14.
Fletcher, Andrew, jr., Morristown, and J. A. Capstaff, Grantwood, N. J. Steampship-driving mechanism. 1,632,543; June 14.
Fletcher, Squire F., and H. J. Smith, Lowell, Ind. Dirigible headlight construction for automobiles. 1,632,224; June 14.
Fliederbaum, Solomon. (See Sachs, M., and Fliederbaum.)
Fluor Construction Co. (See Fluor, John S., assignor.)
Fluor, John S., assignor to Flour Construction Co., Los Angeles, Calif. Cooling tower. 1,632,397; June 14.
Flournoy, Josiah. (See Treadwell, A. P., and Flournoy.)
Foans, Andrew B., New York, N. Y. Football-playing device. 1,632,439; June 14.
Foerster, Herman, assignor of one-half to D. M. Allred Indianapolis, Ind. Detonating toy. 1,632,179; June 14.
Follett, James M., and L. Lehner, Bay City, Mich. Clean-out router bit. 1,632,440; June 14.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. 1,632,647; June 14.
Fondevila, Antonio, Chicago, Ill. Drive gearing. 1,632,468; June 14.
Foote, Edward B., and F. W. Stalker, assignors to Taylor Instrument Companies, Rochester, N. Y. Hygrometric apparatus. 1,632,720; June 14.
Forchheimer, Julius, Newark, N. J. Toy set. 1,632,441; June 14.
Forged Steel Wheel Company. (See Naugle, H. M., and Townsend, assignors.)
Forrest, Andrew, and G. M. Smith, Chicago, Ill. Metal-casting apparatus. 1,632,469; June 14.
Forrest, Thomas W. W., assignors to Sun-Maid Raisin Growers of California, Fresno, Calif. Apparatus for drying berries. 1,632,180; June 14.
Fortier, James J., Grand Rapids, Mich. Automatic liquid-weighing machine. 1,631,957; June 14.
Foster, Theodore W., & Brother Company. (See Noble, Arthur H., assignor.)
Fostoria Glass Co. (See Bottome, Edgar M., assignor.)
Fostoria Glass Co. (See Greenan, Frank D., assignor.)
Fostoria Glass Company. (See Magee, William H., assignor.)
Fowler, Clarence B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,632,063; June 14.
Fox, Richard W., Birmingham, Ala. Tire-repair scraper. 1,632,544; June 14.
Francis, Jacob R. (See Redmond, Albert G., assignor.)
Franklin, H. H., Manufacturing Company. (See De Causse, Frank, assignor.)
Franklin Pottery. (See Schweiker, Roy W., assignor.)
Franklin Railway Supply Company. (See Zouck, George H., assignor.)
Franks, Clem H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing tubular articles from pulpous material. 1,632,398; June 14.
Freiberg, Theodore, Prescott, Ariz. Ore crusher. 1,632,124; June 14.
Froman, John W., South Carlton, Australia. Furnace. 1,632,730; June 14.
French, Charles A., and L. E. Golt, assignors to International Harvester Company, Chicago, Ill. Boiler regulator. 1,632,125; June 14.
French, Henry G., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,632,592; June 14.
Fryn, Brassert & Company. (See Willcox, Frederick H., assignor.)
Froesch, Charles. (See Masury, A. F., and Froesch.)
Fulweiler, Walter H., Wallingford, and C. W. Jordan, Norwood, assignors to The U. G. I. Contracting Company, Philadelphia, Pa. Purifying gas. 1,632,758; June 14.
Fusion Welding Corporation. (See Green, J. Birchard, assignor.)
Gain, William M. (See Cloer, Walter J., assignor.)
Gal-man, Henry J., New York, and C. Schumacher, Lynnbrook, N. Y., assignors to Autan Corporation, Dover, Del. Blade-backing machine. 1,632,593; June 14.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fastening device for shoes and the like. 1,632,064; June 14.
Gardiner, Arthur, Midland Junction, Western Australia, Australia. Shears. 1,632,284; June 14.
Gardner, Kenneth C., assignor to The Greenville Steel Car Company, Greenville, Pa. Crosstie for railway cars. 1,632,181; June 14.
Gatchell, Frederick D., New York, N. Y. Grease can or cartridge. 1,632,594; June 14.
Gaynor, Joseph, Jersey City, N. J. Finger grip for violin bows. 1,632,003; June 14.
Geiger, Ulysses S., North English, Iowa. Starting device. 1,632,399; June 14.
Gellenbeck, Benjamin G. (See Gellenbeck, Henry F., E. J., and D. G.)
Gellenbeck, Edward J. (See Gellenbeck, Henry F., E. J., and B. G.)
Gellenbeck, Henry F., E. J., and B. G., Tacoma, Wash. Intermittent absorption refrigerating system. 1,632,701; June 14.
General Electric Company. (See Bahr, Fritz, assignor.)
General Electric Company. (See Dalton, William, assignor.)
General Electric Company. (See Fonda, Gorton, R., assignor.)
General Electric Company. (See French, Henry G., assignor.)
General Electric Company. (See Hobart, Henry M., assignor.)
General Electric Company. (See Jackson, James A., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Mitchell, L. E., and White, assignors.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Rogivue, Carl, assignor.)
General Electric Company. (See Schombourger, Lucien, assignor.)
General Electric Company. (See Schrage, Hilde K., assignor.)
General Electric Company. (See Selz, Walter, assignor.)
General Electric Company. (See Severin, Carl, assignor.)
General Electric Company. (See Willhelm, Raoul, assignor.)
General Fuel Briquette Corp., The. (See Zwoyer, Ellsworth B. A., assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Pneumatic relay. 1,631,958; June 14.
Georgi, John J., West Orange, N. J. Gas generator. 1,632,285; June 14.
Gerlach, Fred, et al., trustees. (See Graham, William S., assignor.)
Gershovitz, Barnett, Canton, Ohio. Combined mop and wringer. 1,632,470; June 14.
Gherassimoff, Nicolas, Le Vesinet, France. Wheel tire. 1,632,731; June 14.
Gibbons, Willis A. (See Hopkinson, E. and Gibbons.)
Giddings, Lawson H., Pasadena, Calif. Electric furnace. 1,632,126; June 14.
Gilborn, Ernest, Newark, N. J. Rupture or hernia truss. 1,632,065; June 14.
Gillam, Wallace R., Tallmadge, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire. Des. 72,825; June 14.
Gillam, Wallace R., Tallmadge, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire. Des. 72,826; June 14.
Gillen, William H., Milwaukee, Wis. Water barrier. 1,632,545; June 14.
Gillette Rubber Company. (See Hutchens, H. O., and Krause, assignors.)
Gilman, George H., Belmont, Mass. Drilling machine. 1,632,400; June 14.
Gilman, George W., Attleboro, Mass., assignor, by mesne assignments, to The Parker Pen Company, Janesville, Wis. Pencil. 1,632,371; June 14.
Girardier, Wilton A., and B. B. Hibbard, St. Clair, Mo. Governor for gas engines. 1,632,471; June 14.
Glass, Clifton A., Kansas City, Mo. Oil tank. 1,631,959; June 14.
Golt, Laurance E. (See French, C. A., and Golt.)
Goodman, Harry, Britton, Okla. Dirigible headlight for motor vehicles. 1,632,026; June 14.
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodrich, B. F., Company, The. (See Work, B. G., and Slade, assignors.)

Goodroe, James W., Experiment, Ga. Machine for opening and preparing cotton. 1,632,372; June 14.
Goodstein, William L., Waynesburg, Pa. Motor-vehicle lamp. 1,632,127; June 14.
Goodyear Tire & Rubber Company, The. (See Steere, Samuel A., assignor.)
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp-end holder for warp beams. 1,632,472; June 14.
Gordon, Max, Paterson, N. J. Weigher for coal and similar material. 1,632,595; June 14.
Gordon, Robert R. (See Jones, C. W., and Gordon.)
Gorham Mfg. Co. (See Magnussen, Erik, assignor.)
Gould Car Lighting Corporation. (See Bouche, W. F., and Blake, assignors.)
Gragg, Robert L. (See Stripling, Luke S., assignor.)
Graham, William S. Canton, assignor, by mesne assignments, to F. Gerlach and A. B. Keller, trustees, Chicago, Ill. Depth adjuster for plows. 1,632,128; June 14.
Graham, Willie, Houston, Tex. Concrete-molding machine. 1,632,286; June 14.
Grahame, Dallas F., Toronto, Ontario, Canada, assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Stoker-ram drive. 1,632,401; June 14.
Grant, Albert E., New York, N. Y., assignor to Caloroil Burner Corporation. Oil burner. 1,632,402; June 14.
Grantler, Leslie V., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Vapor-cooling system. 1,632,596; June 14.
Grantland, John W., assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Gauge cock. 1,632,403; June 14.
Grasselli Dyestuff Corporation. (See Kränzlein, G., and Voss, assignors.)
Grasselli Dyestuff Corporation. (See Thiess, K. Müller, Runne, and Schaeffer, assignors.)
Grassmann, Peter, Berlin, Germany. Loud speaker for wireless telephony and other purposes. 1,632,287; June 14.
Gray, Elmer E., Lynn, Mass., assignor, by mesne assignments, to Elliott Addressing Machine Company. Envelope-sealing device. 1,632,648; June 14.
Green, J. Birchard, assignor to Fusion Welding Corporation, Chicago, Ill. Welding rod. 1,632,546; June 14.
Green, Jack, Norfolk, Va. Lawn-edge trimmer. 1,632,129; June 14.
Green, Jack, Norfolk, Va. Clamp for containers. 1,632,732; June 14.
Greenan, Frank D., assignor to Fostoria Glass Co., Moundsville, W. Va. Goblet. Des. 72,827; June 14.
Greenland, Walter R., Los Angeles, Calif. Ink dispenser. 1,632,473; June 14.
Greenville Steel Car Company, The. (See Gardner, Kenneth C., assignor.)
Griffin, James T., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cementing material. 1,632,404; June 14.
Grigsby-Grunow-Hinds Co. (See Grigsby, Owen E., assignor.)
Grigsby, Owen E., Park Ridge, assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill. Automobile windshield visor. 1,632,474; June 14.
Groak, Irwin D. (See Cohen, Irving H., assignor.)
Grosvenor, Graham B., Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 1,632,225; June 14.
Grosvenor, Graham B., Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 1,632,226; June 14.
Grubb, Willard T., Springfield, Ill. Golf bag. 1,632,442; June 14.
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Combined brassière and dress shield. 1,632,547; June 14.
"H H" Manufactures, Inc. (See Hawkins, Roe C., assignor.)
H-R Manufacturing Company. (See Hill, G. S., and Saxton, assignors.)
Haddock, Arthur, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Condenser. 1,632,130; June 14.
Hague, Alfred E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,632,066; June 14.
Hahn, Edgar. (See Lubberger, F., and Hahn.)
Hake, Frank W., Philadelphia, Pa. Derrick crane. 1,632,329; June 14.
Hall, Theodore, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Searchlight. 1,632,131; June 14.
Hall, Thomas F., Omaha, Nebr. Berry harvester. 1,632,597; June 14.
Hall, Zachariah A., Hespeler, Ontario, Canada. Hockey stick. 1,631,960; June 14.
Hall's Safe Company, The. (See Benham, W. T., and Dwyer, assignors.)
Halsey, Charles W., Evansville, Ind. Resilient grip for implement handles. 1,632,227; June 14.
Hammer, Samuel, Brooklyn, assignor to United Metal Box Company, Inc., Long Island City, N. Y. Metal receptacle. 1,632,702; June 14.
Hammer, Samuel, Brooklyn, assignor to United Metal Box Co. Inc., Long Island City, N. Y. Metal receptacle. 1,632,733; June 14.
Hammer, Samuel, Brooklyn, assignor to United Metal Box Co. Inc., New York, N. Y. Metal receptacle. 1,632,734; June 14.
Hammer, Samuel, Brooklyn, N. Y., assignor to United Metal Box Co., Inc., Long Island City, N. Y. Metal receptacle. 1,632,762; June 14.
Hampton, Leon N., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting device. 1,632,004; June 14.
Hampton, Leon N., assignor to Western Electric Company, Incorporated, New York, N. Y. Clearance gauge. 1,632,067; June 14.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,632,373; June 14.
Hansen, Conrad T., Detroit, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa. Window stop. 1,632,132; June 14.
Harding, Charles D., Beloit, Wis. Device for controlling both the ignition circuit and the supply of gas to the carburetor. 1,632,133; June 14.
Harris Calorific Company, The. (See Campbell, Lorn, jr., assignor.)
Harrison, Arthur W., assignor of one-half to J. E. Osborne, Los Angeles, Calif. Vehicle. 1,632,405; June 14.
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Phonic diaphragm. 1,632,068; June 14.
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,632,134; June 14.
Hart, David M., New York, N. Y. Hat protector. 1,632,598; June 14.
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission system. 1,632,069; June 14.
Hartman Electrical Manufacturing Company. (See Hartman, Frank O., assignor.)
Hartman, Frank O., assignor to Hartman Electrical Manufacturing Company, Mansfield, Ohio. Variable condenser. 1,632,649; June 14.
Hartman, Frank O., assignor to Hartman Electrical Manufacturing Company, Mansfield, Ohio. Variable condenser. 1,632,650; June 14.
Hartman, Louis H., assignor to The Valve Bag Company of America, Toledo, Ohio. Affixing reenforcing tape. 1,632,005; June 14.
Hartmann Trunk Company. (See Rasmussen, Martin, assignor.)
Harvey, Harry D. (See Chenowith, W. H., and Schimpf, assignors.)
Haskins, Arthur G., Weymouth, assignor to A. M. Dow, Braintree, Mass. Dishwashing machine. 1,632,182; June 14.
Haughton Elevator & Machine Co., The. (See Thurston, Ernest B., assignor.)
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Fastener-setting mechanism. 1,632,374; June 14.
Hawes, Harold B., Fairfield, Conn. Glass structure. 1,632,330; June 14.
Hawkins, Lon A. (See Barger, W. R., Hawkins, and Blatz.)
Hawkins, Roe C., assignor to "H H" Manufactures, Inc., Long Beach, Calif. Drawbar attachment for tractors. 1,632,070; June 14.
Hayes, Harvey C., Washington, D. C. Submarine sound receiver. 1,632,331; June 14.
Hayes, Harvey C., Washington, D. C. Electromagnetic sound reproducer. 1,632,332; June 14.
Hayes Wheel Company. (See Jacobi, Emil R., assignor.)
Hayes Wheel Company. (See Peterson, Emil J., assignor.)
Hays, Clinton, and W. M. Thomas, Denver, Colo. Valve-spring compressor. 1,632,288; June 14.
Hayward, George A., Watertown, Conn. Snap plug. 1,632,599; June 14.
Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Shaper. 1,632,375; June 14.
Healey-Aeromarine Bus Company. (See Chilton, Roland, assignor.)
Healy, Edward C., Muscatine, Iowa. Window structure. 1,632,333; June 14.
Hedden, Viner J., East Orange, N. J. Operating device for bookkeeping machines and the like. 1,632,228; June 14.
Heiney, John W., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Radiator mount. 1,631,961; June 14.
Heitmann, Moritz J., Freital-Potschappel, near Dresden, Germany. Emulsified solid grease. 1,632,027; June 14.
Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Shaft bearing. 1,631,962; June 14.
Hendry, William F., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrode structure for electron-discharge devices. 1,632,135; June 14.
Henry, James N., Providence, R. I. Curtain-rod bracket. 1,632,071; June 14.
Henwood, Lloyd S., assignor to The National Store Specialty Co., Lancaster, Pa. Liquid-dispensing tank. 1,632,289; June 14.

Herrick, Ernest A., and T. L. MacBean, New York, N. Y. Bracing block. 1,632,072; June 14.
Herring-Hall-Marvin Safe Company. (See Breen, George T., assignor.)
Heydecker, William C., jr., New York, N. Y. Pressure-regulating valve. 1,632,406; June 14.
Heymer, Paul, Berlin-Reinickendorf-Ost, assignor to Hans Kollmorgen, Berlin-Charlottenberg, Germany. Instrument for the inspection of pipes, canals, and cavities of the human or animal body. 1,632,290; June 14.
Hibbard, Benjamin B. (See Girardier, W. A., and Hibbard.)
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag-frame hinges. 1,632,334; June 14.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Articulated case for smokers' requisites. 1,632,335; June 14.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Card container and desk tray. 1,632,336; June 14.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Purse and like receptacle. 1,632,337; June 14.
Hight, Eugene S., Peoria, Ill., assignor to Power Specialty Company, New York, N. Y. Economizer boiler. 1,632,291; June 14.
Hill, George S., and A. C. Saxton, assignor to H-R Manufacturing Company, Chicago, Ill. Lock. 1,632,073; June 14.
Hines, James H., Hobart, Okla. Hair clipper. 1,632,183; June 14.
Hitt, Oscar, Weehawken, N. J. Toy automobile. Des. 72,828; June 14.
Hoagland, Frank O., Bridgeport, Conn., assignor, by mesne assignments, to Pratt & Whitney Company, New York, N. Y. Internal-grinding machine. 1,632,600; June 14.
Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Induction motor. 1,632,601; June 14.
Hoefler, Frederick W., Phoenix, N. Y. Display card for toilet-paper rolls. 1,632,475; June 14.
Hoffer, Fred A., Frankfort, N. Y. Holder for washing machines. 1,632,735; June 14.
Holderman, Samuel J., and R. E. Cryder, Morris, Ill. Student's portable desk. 1,632,476; June 14.
Holland, Louis E., Kansas City, Mo. Rotary sprinkler. 1,632,229; June 14.
Holm, John, Brooklyn, assignor to American Kron Scale Company, New York, N. Y. Recording weighing mechanism. 1,632,006; June 14.
Holmboe, Carl F., assignor of one-half to De Nordiske Fabriker, De-No-Fa A/S., Oslo, Norway. Cooling arrangement for electrolytic cells. 1,632,184; June 14.
Holmes, E. & B., Machinery Co. (See Beugler, Edwin F., assignor.)
Holmes, Frank C. (See Chaffin, H. A., and Holmes.)
Holst, Gilles, and A. Bouwers, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube. 1,632,230; June 14.
Holt, Thomas W., Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Sash guide. 1,632,548; June 14.
Holt, Thomas W., Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Sash guide. 1,632,549; June 14.
Holtz, William M., Shelton, Nebr. Fence. 1,632,231; June 14.
Honkanen, Oney A., Portland, Oreg. Propeller. 1,632,292; June 14.
Hopfield, Lewis D., Natoma, Calif., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge tumbler. 1,632,602; June 14.
Hopkinson, Ernest, New York, and W. A. Gibbins, Little Neck, N. Y., said Gibbons assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber latex. 1,632,759; June 14.
Horn, Pleasant W. (See Patrick, N. M., and Horn.)
Horton, Edwin, Brooklyn, N. Y. Pin fastener. 1,632,338; June 14.
Houghton, Herbert H., Los Angeles, Calif., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Valved coupling for lubricators. Re16,650; June 14.
House, Herman, Vancouver, British Columbia, Canada. Phonograph repeater. 1,632,477; June 14.
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 1,632,074; June 14.
Housekeeper, William G., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding machine. 1,632,075; June 14.
Hubbard, Elmer A., Flagstaff, Ariz. Flexible spotter for repairing tire casings. 1,632,651; June 14.
Hubbard, Francis A., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Determining inequalities in wall thickness of tubes. 1,632,076; June 14.
Hubbell, Alfred W., assignor of one-half to Phillips Petroleum Company, Bartlesville, Okla. Internal-combustion engine. 1,632,478; June 14.
Huberty, August, Canton, Ohio. Lawn trimmer. 1,632,479; June 14.
Humphris, Frank, Parkstone, assignor of one-half to K. A. Roberts, London, England. Machine for manufacturing nails, brads, or the like from wire, rod, or the like. 1,632,703; June 14.
Hunt, Harry L. and L. A., Bigelow, Mo. Pitman boxing. 1,632,480; June 14.
Hunt, Lincoln A. (See Hunt, Harry L. and L. A.)
Hutchens, Howard O., and A. R. Krause, assignors to Gillette Rubber Company, Eau Claire, Wis. Tire-tread-applying machine. 1,632,652; June 14.
I. G. Farbenindustrie Aktiengesellschaft. (See Miller, Alfred, assignor.)
Ikeda, Iwao, Sendai, Japan. Measuring maximum current. 1,632,136; June 14.
Independent Pneumatic Tool Company. (See Norling, Reinhold A., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
Ingersoll-Rand Company et al. (See Rathbun, Edward, assignor.)
International Harvester Company. (See Benjamin, B. R., and Webber, assignors.)
International Harvester Company. (See Dwyer, W. C., and Mitchell, assignors.)
International Harvester Company. (See French, C. A., and Golt, assignors.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Harvester Company. (See Raney, Clemma R., assignor.)
International Motor Company. (See Heiney, John W., assignor.)
International Motor Company. (See Masury, A. F., and Froesch, assignors.)
International Motor Company. (See Wirrer, Gottfried, assignor.)
International Precipitations Company. (See Anderson, Evald, assignor.)
Irving-Pitt Manufacturing Company. (See Van Valkenburgh, Richard M., assignor.)
Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission of pictures by electricity. 1,631,963; June 14.
Jablow, Charles, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Guiding truck. 1,632,077; June 14.
Jacobi, Emil R., assignor to Hayes Wheel Company, Jackson, Mich. Joint for split rims and making the same. 1,632,550; June 14.
Jacobi, Frank. (See Bradley, H. T., and Jacobi.)
Jacobs, Charles B., Wilmington, Del., assignor to Electro Metallurgical Company. Casting having chromium alloy surface. 1,632,704; June 14.
Jackson, James A., Schenectady, N. Y., assignor to General Electric Company. Electric-railway system. 1,632,653; June 14.
Jackson, James E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,632,232; June 14.
Jackson, Joseph R., jr., Boston, Mass., assignor to A. B. See Elevator Company, Inc., New York, N. Y. Elevator system. 1,632,376; June 14.
Jackson, Minnesota B., Guthrie, Okla. Body garment. 1,632,137; June 14.
Jackson, Philip A., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,632,443; June 14.
Jameson, Percy R., assignor to Taylor Instrument Companies, Rochester, N. Y. Barometer-setting means. 1,632,736; June 14.
Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,632,078; June 14.
Jarrett, Brooke L. (See Stuart, Wallace A., assignor.)
Jellinek, Charles, et al. (See Pecker, Joseph S., assignor.)
Jenkins, George M. O., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Pneumatic valve. 1,632,079; June 14.
Jenks, John S., Pittsburgh, Pa. Washing machine. 1,632,407; June 14.
Jenner, George O., assignor to Oxford Press Incorporated, Los Angeles, Calif. Mailing card. 1,632,185; June 14.
Jensen, Peter L. (See Pridham, E. S., and Jensen.)
Joerger, John N., and J. E. Craver, Atlantic City, N. J., assignors to Craveroiler Company of American, Philadelphia, Pa. Lubricating system for internal-combustion engines. 1,632,654; June 14.
Johnson Automobile Lock Co. (See Johnson, Colvin L., assignor.)
Johnson, Colvin L., Chicago, Ill., assignor to Johnson Automobile Lock Co. Automobile lock. 1,632,655; June 14.
Johnson, Colvin L., assignor to Johnson Automobile Lock Co., St. Louis, Mo. Transmission-housing cover-locking means. 1,632,656; June 14.
Johnson, Ernest G., Boston, assignor, by mesne assignments, to The Palmer Electric and Manufacturing Company, Cambridge, Mass. Relay. 1,632,186; June 14.
Johnson, Herman M., Portland, Oreg. Coin-controlled optical instrument. 1,632,377; June 14.
Johnson, James T., Birmingham, Ala. Picture frame. 1,632,138; June 14.

Johnson, John B., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric discharge device. 1,632,080; June 14.

Johnson, John G., Tacoma, Wash. Stuffing box. 1,632,293; June 14.

Johnson, Theodore G., Kansas City, Mo. Convertible seat for motor vehicles. 1,632,233; June 14.

Johnston, William A. (See Baldwin, R. S., and Johnston.)

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Motor control. 1,632,603; June 14.

Jones, Charles W., Richmond, and R. R. Gordon, Glenallen, Va. Railroad spike. 1,632,294; June 14.

Jones, Ira M., assignor to C. A. Bechstein and E. E. Kornitz, Milwaukee, Wis. Apparatus for stretching skins and leather. 1,632,551; June 14.

Jones & Laughlin Steel Corporation. (See Jones, Wm. L., assignor.)

Jones, Robert R., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for coating and drying fabric or the like. 1,632,760; June 14.

Jones, Sheldon L., Brooklyn, N. Y. Signaling device for automobiles. 1,632,081; June 14.

Jones, Wm. L., Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Continuous mill and rolling structural shapes. 1,632,295; June 14.

Jopson, William G., Wellesley, Mass., assignor, by mesne assignments, to C. A. Reed Company, Williamsport, Pa. Shipping tag. 1,632,082; June 14.

Jordan, Claude W. (See Fulweiler, W. H., and Jordan.)

Judge, Joseph S., Brooklyn, N. Y. Waxer and polisher. 1,632,481; June 14.

Kaehni, Frank J. and W. L., assignors to The Cleveland Trust Company, trustee, Cleveland, Ohio. Sound-producing device. 1,632,408; June 14.

Kaehni, William L. (See Kaehni, Frank J. and W. L.)

Kalvig, Lewis J., Kanawha, Iowa. Poultry roost. 1,632,234; June 14.

Kasden, Natban, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Vanity case. 1,631,964; June 14.

Katzander, Morris, et al. (See Pecker, Joseph S., assignor.)

Kaufman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Container. 1,631,965; June 14.

Kaufman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Container. 1,631,966; June 14.

Kaufman, Joseph, Bronxville, assignor to American Safety Razor Corporation, New York, N. Y. Container. 1,631,967; June 14.

Kauffman, Paul C., Seattle, Wash. Marine compass bracket. Des. 72,829; June 14.

Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,632,235; June 14.

Kehl, Robert J., Newark, N. J., assignor to Oxweld Acetylene Company. Pressure-regulator casing. Des. 72,830; June 14.

Kehoe, Michael J. (See Kehoe, Thomas J. and M. J.)

Kehoe, Michael J., London, Ohio, assignor, by mesne assignments, to Cascade Manufacturing Company. Dishwashing machine. 1,632,007; June 14.

Kehoe, Thomas J., Toledo, and M. J. Kehoe, London, Ohio, assignors, by mesne assignments, to Cascade Manufacturing Company. Dishwashing machine. 1,631,968; June 14.

Keisling, Ira F., Kokomo, Ind. Door operator. 1,632,028; June 14.

Keith, Henry M., West Frankfort, Ill. Brushing machine. 1,632,705; June 14.

Keller, Arnold B., et al., trustees. (See Graham, William S., assignor.)

Keller Mechanical Engineering Corporation. (See Shaw, John C., assignor.)

Kemp, Paul, and T. Kittl, Vienna, Austria. Bearing metal. 1,632,604; June 14.

Kern, Noah D., New Albany, Ohio. Cultivator. 1,632,706; June 14.

Klander, Anna M., executrix. (See Klander, Lawrence A.)

Klander, Lawrence A., deceased, New York, N. Y.; A. M. Klander, executrix. Bridge work. 1,632,744; June 14.

Kleckhefer, Edwin F., Milwaukee, Wis. Cable equalizer. 1,632,083; June 14.

Kiefer, Kenneth H., Baltimore, Md. Extinguishing fires. 1,632,339; June 14.

Klen, Stanislaus, Rochester, N. Y. Securing means for rails. 1,632,605; June 14.

King, Chandler, Chattanooga, Tenn. Bottle. 72,831; June 14.

King, Ernest V., Topeka, Kans. Photographer's light-distributing means. 1,632,606; June 14.

Kinsey, Edmond E., San Angelo, Tex. Pump jack. 1,632,296; June 14.

Kipper, Herman B., Muskegon, Mich. Apparatus for speeding reactions. 1,632,340; June 14.

Kirk-Schneider, Hugo H., New York, N. Y. Mirror. 1,632,236; June 14.

Kittl, Theodor. (See Kemp, P., and Kittl.)

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Chandelier. Des. 72,832; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Arm for lighting fixtures. 72,833; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Canopy for lighting fixtures. 72,834; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. 72,835; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bracket back for lighting fixtures. 72,836; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. 72,837; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bracket back for lighting fixtures. 72,838; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. 72,839; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. 72,840; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bracket back for lighting fixtures. 72,841; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bracket back for lighting fixtures. Des. 72,842; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 72,843; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Arm for lighting fixtures. Des. 72,844; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Plate for lighting fixtures. Des. 72,845; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. Des. 72,846; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bracket back for lighting fixtures. Des. 72,847; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. Des. 72,848; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Bracket back for lighting fixtures. Des. 72,849; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. Des. 72,850; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. Des. 72,851; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Ceiling light. Des. 72,852; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Ceiling light. Des. 72,853; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 72,854; June 14.

Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 72,855; June 14.

Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)

Kleinschmidt, Edward E., Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Printing telegraphy. 1,632,297; June 14.

Kleinschmidt, Edward E., Brooklyn, N. Y., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Signaling transmitter. 1,632,298; June 14.

Kloehs, Gustav H., Philadelphia, Pa. Cipherless device for pipe organs. 1,632,657; June 14.

Klopsteg, Paul E., and H. P. Sachse, assignors to Central Scientific Compay, Chicago, Ill. Mercurial barometer. 1,632,084; June 14.

Knauber, Albert P., Milwaukee, Wis. Rowboat motor. 1,632,444; June 14.

Koch, John, Eustis, Nebr. Feed grinder. 1,632,341; June 14.

Koch, Lydia B., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Bottle. 1,632,187; June 14.

Koenig, Alphonso L., Chicago, Ill., assignor to The Koenig Carbonators, (Inc.). Carbonator. 1,632,409; June 14.

Koenig Carbonators, (Inc.), The. (See Koenig, Alphonso L., assignor.)

Koenig, Remus, assignor to Metal Ware Corporation, Two Rivers, Wis. Toy electric range. 1,632,445; June 14.

Kogge, Arthur H., Jersey City, N. J. Display device. 1,632,607; June 14.

Kollmorgen, Hans. (See Heymer, Paul, assignor.)

Kornitz, Ewald E., et al. (See Jones, Ira M., assignor.)

Kränzlein, Georg, and A. Voss, Hochst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Preparation of magnesium chromates. 1,632,299; June 14.

Krause, Arnold R. (See Hutchens, H. O., and Krause.)

Krause, Arthur R., Woodhaven, and F. W. Mathieu, New York, N. Y. Lamp shade or analogous article of manufacture. Des. 72,856; June 14.

Krause, Arthur R., Woodhaven, and F. W. Mathieu, New York, N. Y. Lamp shade or analogous article of manufacture. Des. 72,857; June 14.

Krause, Arthur R., Woodhaven, and F. W. Mathieu, New York, N. Y. Lamp shade or analogous article of manufacture. Des. 72,858; June 14.

Krause, Arthur R., Woodhaven, and F. W. Mathieu, New York, N. Y. Lamp shade or analogous article of manufacture. Des. 72,859; June 14.

Krenzler, Emil, Barmen, Germany. Braiding machine. 1,632,608; June 14.

Kroells, Eugene O., Paso Robles, Calif. Sleeve puller for automobiles. 1,632,482; June 14.

Krueger, Herman W., assignor to Northern Corrugating Co., Green Bay, Wis. Dispensing cabinet. 1,632,446; June 14.

Kuehner, Arthur T., St. Augustine, Fla. Journal box. 1,632,552; June 14.

Kurscheidt, Peter J., Woodhaven, and H. E. Norwood, Brooklyn, assignors, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y. Clutch. 1,632,763; June 14.

Kurz, Robert F., New Haven, Conn., assignor of two-thirds to F. A. Damon and one-third to F. Starita, New Haven, Conn. Box-nailing machine. 1,632,085; June 14.

Kuxmann & Co. Komm.-Akt.-Ges. (See Schnath, Heinrich, assignor.)

Lambert, Cecil R., Company, The. (See Moon, Charles L., asignor.)

Lambert Tire & Rubber Co. (See Gillam, Wallace R., assignor.)

Lambert, Victor, Brooklyn, assignor to A. M. Sloss, New York, N. Y. Coffeepot. 1,632,342; June 14.

Landers, Frary & Clark. (See Smart, Joseph F., assignor.)

Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)

Lane, Charles, Jefferson, Wis. Disappearing headrest. 1,632,737; June 14.

Lane, Moses R., Ardmore, Pa. Apparatus for supporting lawn-tennis nets and the like. 1,632,553; June 14.

Larson, Swan, assignor to Geo. D. Roper Corporation, Rockford, Ill. Pump. 1,632,029; June 14.

Lawson, Lindley S., Pittsburgh, Pa. Radiant heater. Des. 72,860; June 14.

Lederer, S. & B., Co. (See Davis, Willard A., assignor.)

Lee, Nixon, Brooklyn, N. Y. Closure. 1,632,086; June 14.

Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Electrical instrument. 1,632,609; June 14.

Leedy Manufacturing Company. (See Winterhoff, Herman E., assignor.)

Le Fever, Talmage H., New Bloomfield, Mo. Cranking device for automobiles. 1,632,300; June 14.

Lehner, Louis. (See Follett, J. M., and Lehner.)

Lemm, Frederick L., assignor to Conturier Company, La Porte, Ind. Key device for saxophones. 1,632,008; June 14.

Lemoine, Louis, assignor to Société Anonyme d'Applications des Gaz Liquéfiés, Paris, France. Device for closing compressed or liquid gas cylindera. 1,632,447; June 14.

Lemon, Frank R., Vicksburg, Mich., assignor of one-third to H. B. and L. L. Crawford. Door-operating mechanism. 1,632,237; June 14.

Leonhauser, Henry A., Baltimore, Md., assignor to The J. G. Brill Company, Philadelphia, Pa. Automatic slack adjuster. 1,631,969; June 14.

Leprestre, Rene. (See Miolati, Arturo, assignor.)

Lerner, Friedrich, Vienna, Austria. Paper-cutting machine. 1,632,378; June 14.

Lewerenz, Arthur, Berlin, assignor to the Firm Scherbius & Ritter, Wannsee, near Berlin, Germany. Instantaneous switch. Re16,654; June 14.

Lewis, Nathan R., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler feed. 1,632,301; June 14.

Lewis, Richard J., Mohawk, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,631,970; June 14.

Lichtenstein, Henry E., New York, N. Y. Demonstrating device. 1,632,302; June 14.

Lilliford, Henry, New York, N. Y. Tooth-paste holder. 1,632,087; June 14.

Lindeman, Jesse G., Yakima, Wash. Ditching machine. 1,632,303; June 14.

Lindhard, Povl T., Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Liner for tube mills, etc. 1,631,971; June 14.

Lindhard, Povl T., Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Liner for tube mills. 1,631,972; June 14.

Lindsay, Lynn G., Minneapolis, Minn. Control mechanism for water softeners. 1,632,610; June 14.

Lister, Herbert, Montreal, Quebec, Canada. Hair comb. 1,632,288; June 14.

Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Turbin-driven locomotive and similar vehicle. 1,632,707; June 14.

Lloyd, Richard H., Hastings, W. Va. Combined frost-preventing and irrigating device. 1,632,611; June 14.

Loeber, Herman M., assignor to Dempster Mill Manufacturing Co., Beatrice, Nebr. Windmill construction. 1,632,186; June 14.

Loeck, Gunther, assignor to Firm of Georg Wolf G. m. b. H., Berlin, Germany. Gastroscope. 1,632,612; June 14.

Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,632,009; June 14.

Lopez, David C., Chicago, Ill. Engineer's protractor. 1,632,613; June 14.

Lord, Fred W., assignor to The Oakes Manufacturing Company, Tipton, Ind. Poultry feeder. 1,632,738; June 14.

Lorenz, C., Aktiengesellschaft. (See Schmidt, Karl, assignor.)

Losel, Franz, Brunn, Czechoslovakia. Stationary guide-nozzle construction and assembly for turbines. 1,632,448; June 14.

Lox Seal Corporation, The. (See Behrman, Marcus B., assignor.)

Lubberger, Fritz, Berlin-Schmargendorf, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Berlin, Germany. Automatic telephone system. 1,632,010; June 14.

Lubberger, Fritz, Berlin-Schmargendorf, and E. Hahn, Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,632,343; June 14.

Lucey, Patrick J., South Bend, Ind., assignor to Lucey Slicing Machine Company, Chicago, Ill. Sharpening device for slicing-machine knives. 1,632,088; June 14.

Lucey Slicing Machine Company. (See Lucey, Patrick J., assignor.)

Lueth, Paul F., assignor to Sumner Iron Works, Everett, Wash. Sawmill carriage. 1,632,708; June 14.

Lutz, Hans, Elmira, N. Y., assignor to The Willys-Overland Company, Toledo, Ohio. Grinding machine. 1,632,379; June 14.

Lyhne, Anker S., Bridgeport, Conn. Vanity box. 1,632,410; June 14.

MacBean, Thomas L. (See Herrick, Ernest A., and MacBean.)

MacFarlane, George F., Wilkes-Barre, Pa. Lubricating and protecting means for spinning mechanisms. 1,631,973; June 14.

MacGregor, Wallace F., Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Combination harvester thrasher. 1,632,745; June 14.

MacKay, John F., Lancaster, Pa. Egg tray for incubators. 1,632,239; June 14.

MacMullen, William, jr. (See McDonald, I. P., and MacMullen, jr.)

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Manufacture of hypochlorites. 1,632,483; June 14.

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Manufacture of hypochlorites 1,632,484; June 14.

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Manufacture of hypochlorites. 1,632,485; June 14.

Magee, William H., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. Des. 72,861; June 14.

Magee, William H., assignor to Fostoria Glass Company, Moundsville, W. Va. Comport. Des. 72,862; June 14.

Magnavox Company, The. (See Pridham, E. S., and Jensen, assignors.)

Magnussen, Erik, assignor to Gorham Mfg. Co., Providence, R. I. Loving cup. Des. 72,863; June 14.

Malwurm, Paul, San Diego, Calif. Beverage dispenser. 1,632,486; June 14.

Majestic Metal Specialties, Inc. (See Kasdan, N., and Pollack, assignors.)

Malmgren, Edward A., Duluth, Minn. Plant service car. 1,632,240; June 14.

Malott, George H., Leamington, Ontario, Canada. Growing tobacco. 1,632,241; June 14.

Manifold Impressions Corporation. (See Armistead, Hubert M., assignor.)

Manassero, Giuseppe, Bronx, N. Y. Antifreezing water heater for internal-comtustion motors. 1,632,658; June 14.

Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Variable condenser. 1,632,487; June 14.

Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Variable condenser. 1,632,488; June 14.

Marbury, Ralph E., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grid leak for radio apparatus. 1,632,089; June 14.

Marcus, Charles L., New York, N. Y. Lip-stick holder. Des. 72,864; June 14.

Marcus, Hascal, Brooklyn, N. Y. Bird cage. 1,632,380; June 14.

Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Water meter. 1,632,554; June 14.

Marshall, Charles C. (See Cobb, C., and Marshall.)

Martin, William C., Chicago, Ill. Tire. 1,632,489; June 14.

Martin, William C., Milwaukee, Wis. Manufacturing cushion tires. 1,632,490; June 14.
Martin, William F., Harrisburg, Pa. Coal screen and washer. 1,632,739; June 14.
Martin, William H., Chappaqua, N. Y., assignor to American Telephone and Telegraph Compay. Identification of electrical cables. 1,632,030; June 14.
Masury, Alfred F., and C. Froesch, assignors to International Motor Company, New York, N. Y. Multiwheel drive for vehicles. 1,631,975; June 14.
Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling. 1,631,976; June 14.
Mathieson Alkali Works, The. (See MacMullin, Robert B., assignor.)
Mathieu, Frederick W. (See Krause, A. R., and Mathieu.)
Matthiessen, Paul, and A. D. Möller, Hamburg, Germany. Floating dry dock. 1,632,491; June 14.
Mattice, Royal, Bethlehem, Pa. Welding tool. 1,632,411; June 14.
Mattison, Hans S., La Crosse, Wis., assignor to New Era Products Company, Minneapolis, Minn. Heating system for intake manifolds and circuits for same. 1,632,139; June 14.
Mauch, Wilhelm, Los Angeles, Calif. Powder feeder. 1,632,659; June 14.
Maurer, Johann A., Breslau, assignor to Maurer-Textil-Maschinen G. m. b. H., Konstantin-Schnierstrasse, Breslau-Carlowitz, Prussia, Germany. Pump for viscous liquids. 1,632,304; June 14.
Maurer-Textil-Maschinen G. m. b. H. (See Maurer, Johann A., assignor.)
Mauser, Alfons, Cologne-Marienburg, Germany. Closure for vessels. 1,632,031; June 14.
Mayer, Sally, and H. Nahrstedt, St. Louis, Mo. Humidifier for ovens. 1,632,492; June 14.
McArdle, Michael W., Chicago, Ill. Drying rack. 1,632,032; June 14.
McBridge, Christopher G. (See Selden, S., and McBride.)
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,632,189; June 14.
McConkey, Montgomery W., assignor to Bendix Brake Company, Chicago, Ill. Brake control. 1,632,140; June 14.
McCord Radiator & Mfg. Co. (See Grantier, Leslie V., assignor.)
McCracken, Joanna. (See Beaston, Greek P., assignor.)
McCrystal, Robert C., assignor of one-half to H. D. Field, Los Angeles, Calif. Dispensing carton. 1,632,412; June 14.
McDonald, Isabelle P., and W. MacMullen, jr., assignors to F. A. Patrick & Co., Duluth, Minn. Garment. 1,632,190; June 14.
McDonald, John L., St. Joseph, Mo. Combination safety and pencil pocket. 1,632,060; June 14.
McEvoy, Joseph H., jr., Houston, Tex. Making strainer plugs. 1,632,090; June 14.
McFarland, Floyd J., West Point, N. Y. Coin-controlled vending device. 1,632,493; June 14.
McFarland, Joseph E., assignor of one-third to C. G. Somers, Burlington, N. C. Form-holding yoke. 1,632,141; June 14.
McGrevy, Jeremiah, Richmond Hill, N. Y., assignor to Solidarity Watch Case Company, New York, N. Y. Production of stamped figures. 1,632,305; June 14.
McKesson, Elmer I., Toledo, Ohio. Mask. 1,632,449; June 14.
McLaughlin, Celia B., administratrix of the estate. (See McLaughlin, Wharton B.)
McLaughlin, Wharton B., deceased, New York, N. Y.; C. B. McLaughlin, administratrix. Preserving fruits. 1,631,974; June 14.
Mechling, Fidelis M., Wichita, Kans. Safety cap for oil wells. 1,632,661; June 14.
Mergenthaler Linotype Company. (See Remas, Isidore T., assignor.)
Mergott, J. E., Co. (See Hiering, William C., assignor.)
Merrick, Leslie E. (See Christiansen, H. A., and Merrick.)
Merrill, Frank W., Fort Wayne, Ind., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric motor. 1,631,977; June 14.
Messinger, George E., New York, N. Y. Composition of matter. 1,632,555; June 14.
Metal Ware Corporation. (See Koenig, Remus, assignor.)
Meyer, Henry W., Indianapolis, Ind. Vegetable cleaner. 1,632,142; June 14.
Michalek, George, Monarch, Wyo. Rail support. 1,632,662; June 14.
Mickelson, Eric H., and E. K. Skonberg, Brooklyn, N. Y. Liquid-dispensing device. 1,632,614; June 14.
Midgley, Joseph, Brainerd, assignor of one-third to J. L. Chesebrough, Duluth, Minn., and one-third to T. L. R. Chesebrough, Chicago, Ill. Shackle bolt. 1,632,663; June 14.
Millar, Garrett V., Fort Worth, Tex. Milk cooler. 1,632,494; June 14.
Miller, Alfred, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Making photographic copies by reversal. 1,632,740; June 14.
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, George L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Antifriction bearing drive and hanger box. 1,632,495; June 14.
Miller, Jonas M., Plain City, Ohio. Fruit-jar lifter. 1,632,664; June 14.
Miller, Kinney I., Lancaster, Mo. Feeder shipping box for chicks, etc. 1,632,033; June 14.
Miller Rubber Company, The. (See Steele, Charles W., assignor.)
Miller Rubber Company, The. (See Weimer, Roy B., assignor.)
Miller, Samuel L., Chicago, Ill. Contact device. 1,632,709; June 14.
Miller, Turner, Fayetteville, Ark. Oiling device. 1,632,741; June 14.
Minard, Ernest E., Detroit, Mich. Shade guide. 1,632,742; June 14.
Minerals Separation North American Corporation. (See Simpson, Tudor R., assignor.)
Minich, Verne E., assignor to The American Foundry Equipment Company, New York, N. Y. Apparatus for cutting and mixing sand. 1,632,746; June 14.
Minnich, Walter, Montreux, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Preparation of solutions of compounds insoluble or sparingly soluble in water. 1,632,306; June 14.
Minunno, Saverio, New York, N. Y. Hand fan. 1,632,556; June 14.
Miolati, Arturo, Padova, assignor to Rene Leprestre, Rome, Italy. Peroxide of lead, zinc, and sulphuric-acid accumulators. 1,632,307; June 14.
Misch, Gustav. (See Newsham, A. S., Viersen, and Misch.)
Mitchell, G. F., & Son. (See Mitchell, Harry W., assignor.)
Mitchell, Harry W., assignor to G. F. Mitchell & Son, Cleveland, Ohio. Washer drive mechanism. 1,632,091; June 14.
Mitchell, Joseph I. (See Dwyer, W. C., and Mitchell.)
Mitchell, Loris E., and A. J. White, East Cleveland, Ohio, assignors to General Electric Company. Vacuum tube. 1,632,615; June 14.
Mitchell, Walter E., Seattle, Wash. Short-turn device for motor vehicles. 1,632,665; June 14.
Modlin, Clarence A., et al. (See Modlin, Frank E., assignor.)
Modlin, Frank E., assignor of one-eighth to F. E. Modlin, jr., Glendale, Calif., one-eighth to C. A. Modlin, Kansas City, Mo., and three-eighths to D. L. Walker, Oklahoma City, Okla. Wrapping machine. 1,632,344; June 14.
Modlin, Frank E., jr., et al. (See Modlin, Frank E., assignor.)
Moffitt, Roy M., Manmee, Ohio. Electrical heating device. 1,632,034; June 14.
Molique, George J. A., Roxana, Ill. Clothesline holder. 1,632,616; June 14.
Möller, Adolf D. (See Matthiessen, P., and Möller.)
Molloy, David J., Company, The. (See Persons, Ernest L., assignor.)
Molony, Stuart B., Conshohocken, Pa., and Y. Nikaido, Bay City, Mich., assignors, by mesne assignments, to C. W. Brown, W. L. Clause, and E. Pitcairn, Pittsburgh, Pa. Rubber vulcanization and products thereof. 1,632,617; June 14.
Molony, Stuart B., Wellesley Hills, Mass., and Y. Nikaido, Bay City, Mich., assignors, by mesne assignments, to C. W. Brown, W. L. Clause, and E. Pitcairn, Pittsburgh, Pa. Rubber vulcanization and product thereof. 1,632,666; June 14.
Molony, Stuart B., Wellesley Hills, Mass., and Y. Nikaido, Bay City, Mich., assignors, by mesne assignments, to C. W. Brown, W. L. Clause, and E. Pitcairn, Pittsburgh, Pa. Rubber vulcanization and product thereof. 1,632,667; June 14.
Moon, Charles L., assignor to The Cecil R. Lambert Company, Detroit, Mich. Trolley switch. 1,632,557; June 14.
Moon, Charles L., assignor to The Cecil R. Lambert Company, Detroit, Mich. Rotary crossover switch. 1,632,558; June 14.
Moore, George L., Chicago, Ill. Lubricating system. Re16,655; June 14.
Moore, Theodore A., Davenport, Iowa. Floor-strip clip-setting device. 1,632,242; June 14.
Morkrum-Kleinschmidt Corporation. (See Kleinschmidt, Edward E., assignor.)
Morley, Earl M., Delta, Ohio, assignor to The Air-Scale Company, Toledo, Ohio. Air-pressure regulator. 1,632,618; June 14.
Morley, Earl M., Delta, Ohio, assignor to The Air-Scale Company, Toledo, Ohio. Tire-inflation mechanism. 1,632,619; June 14.
Morrill, William V. (See Morrill, William W., and W. V.)
Morrill, William W., and W. V., Spokane, Wash. Velocipede. 1,632,092; June 14.
Morris, George E. (See Morris, George J., assignor.)
Morris, George J., Omaha, Nebr., assignor to G. E. Morris, Los Angeles, Calif. Mixing valve. 1,632,450; June 14.
Morris, Percival S., Brooklyn, N. Y. Fountain pen and pencil. 1,632,710; June 14.
Morse, Albert W., Long Island City, N. Y. Oil-fired kiln. 1,632,143; June 14.

Morton, Charles A., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. 1,632,035; June 14.
Mosier, Arthur R., New York, N. Y. Spark timer. 1,632,413; June 14.
Mourer, Sarah M., Philadelphia, Pa. Toy vehicle. 1,632,308; June 14.
Muehlhause, Gerhart F., Bartlett, Tex. Plow. 1,632,345; June 14.
Mueller, Emil C., jr., Elizabeth, and S. T. Curran, Mountain Lakes, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Call indicator. 1,632,093; June 14.
Mullen, Charles P., Conshohocken, Pa. Eaves-trough support. 1,632,036; June 14.
Müller, Carl J. (See Thiess, K., Müller, Runne, and Schaeffer.)
Mullineaux, Richard H., Los Angeles, Calif. Interliner for pneumatic tires. 1,632,496; June 14.
Murphy, John F., assignor to J. M. Robinson, Louisville, Ky. Portable bathroom. 1,632,668; June 14.
Myers, Don D., assignor to The Sozonian Burial Vault Company, Toledo, Ohio. Automatic latching device for burial vaults. 1,632,243; June 14.
Myers, William S., St. Petersburg, Fla. Line-chalking device. 1,632,711; June 14.
Nahrstedt, Hermann. (See Mayer, S., and Nahrstedt.)
Nanfeldt, Ernest F., New Haven, Conn. Cleaning asbestos. 1,632,620; June 14.
Nash, Ronald E., and H. Von Spreecken, Montgomery, Iowa; said Nash assignor to said Von Spreecken. End gate. 1,632,747; June 14.
National Brake & Electric Company. (See Aikman, Burton S., assignor.)
National Store Specialty Co., The. (See Henwood, Lloyd S., assignor.)
Naugatuck Chemical Company, The. (See Hopkinson, E., and Gibbons, assignors.)
Naugle, Albert E., Pitman, N. J. Envelope and making same. 1,632,669; June 14.
Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, to Forged Steel Wheel Company, Pittsburgh, Pa. Making strip sheets. Re16,652; June 14.
Nelson, Edward L. (See Oswald, A. A., and Nelson.)
Němec, Josef, Metisov, Czechoslovakia. Thermostatic apparatus. 1,632,144; June 14.
Neptune Manufacturing Company. (See Wright, Oliver S., assignor.)
Neptune Meter Company. (See Marden, William L., assignor.)
Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,632,670; June 14.
New Era Products Company. (See Mattison, Hans S., assignor.)
Newhall, Henry B. (See Pleister, Henry W., assignor.)
Newsham, Arthur S., P. A. Viersen, Chicago, Ill., and G. Misch, assignors of one-third to H. O. Swoboda, Inc., Pittsburgh, Pa., and two-thirds to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,632,094; June 14.
Newton, Edwin E., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Grid-winding machine. 1,632,095; June 14.
Newton, Rex H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating washer for brush-holder bracket arms. 1,632,096; June 14.
New York Air Brake Company. (See Campbell, Charles A., assignor.)
Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,632,037; June 14.
Nikaido, Yasujuro. (See Molony, S. B., and Nikaido.)
Nissen, John P., Philadelphia, Pa. Sweater. 1,632,346; June 14.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb and Sons, New York, N. Y. Preservation of ether. 1,632,309; June 14.
Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Brother Company, Providence, R. I. Lip-stick holder. 1,632,764; June 14.
Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Brother Company, Providence, R. I. Lip-stick holder. 1,632,765; June 14.
Noël, Ernest A., Paris, France. Wooden mosaic work. 1,632,497; June 14.
Nordberg, Bruno V., deceased, Milwaukee, Wis.; H. C. Nordberg, executrix. Variable-capacity air compressor. 1,632,498; June 14.
Nordberg, Helena C., executrix. (See Nordberg, Bruno V.)
Nordenswan, Robert, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone receiver. 1,631,978; June 14.
Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Reversing mechanism for electric drills. 1,632,671; June 14.
Norrc, Charles. (See Roline, Carl G., and Norre.)
Norris, Almon E., Brookline, Mass. Mechanical movement. 1,632,038; June 14.
North East Electric Company. (See Lee, Thomas L., assignor.)
Northern Corrugating Co. (See Krueger, Herman W., assignor.)
Norwood, Harry E. (See Kurscheidt, P. J., and Norwood.)
Nosan, Anton, Cleveland, Ohio. Bomb dropper for aeroplanes. 1,632,414; June 14.
Nunn, Frederick W., assignor to Nunnday Proprietary Limited, Melbourne, Victoria, Australia. Casting of dentures in metal. 1,632,712; June 14.
Nunnday Proprietary Limited. (See Nunn, Frederick W., assignor.)
Oakes Manufacturing Company, The. (See Lord, Fred W., assignor.)
Obergfell, Gustav, and E. Patzwahl, Bronx, N. Y. Convertible automobile body. 1,632,672; June 14.
Oehmig, William G. (See Wallace, Frank W.)
Okadee Company, The. (See Demarest, Thomas W., assignor.)
Olabarria, Pete, Elko, Nev. Rim tool. 1,632,191; June 14.
Osborn Manufacturing Company, The. (See Carman, E. S., and Curtis, assignors.)
Osborne, John E. (See Harrison, Arthur W., assignor.)
Ostermann, Henry, Chicago, Ill. Toaster. 1,632,192; June 14.
Oswald, Arthur A., and E. L. Nelson, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Antenna structure. 1,632,039; June 14.
Otis Elevator Company. (See Grosvenor, Graham B., assignor.)
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Oxford Press Incorporated. (See Jenner, George O., assignor.)
Oxweld Acetylene Company. (See Kehl, Robert J., assignor.)
Pal Radio Company. (See Wacker, George W., assignor.)
Palmer Electric and Manufacturing Company, The. (See Johnson, Ernest G., assignor.)
Panhandle Refining Company. (See Turner, Samuel E., assignor.)
Pappadakis, Andru G., Detroit, Mich. Alarm mechanism. 1,632,499; June 14.
Parent Caterpillar Company. (See Blackburn, Robert, assignor.)
Parish, Winnifred B. (See Schwartz, Morris, assignor.)
Parker Pen Company, The. (See Gilman, George W., assignor.)
Parsons, Charles E., Engelwood, N. J., and R. Stevenson, assignors to W. P. Deppe, New York, N. Y. Method and apparatus for determining equilibrium vaporization end point. 1,632,748; June 14.
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Olive-knuckle hinge. 1,632,415; June 14.
Partridge, John H., town of Trail, British Columbia, Canada. Automobile wheel. 1,632,500; June 14.
Patrick, F. A., & Co. (See McDonald, I. P., and MacMullen, assignors.)
Patrick, Noble M., and P. W. Horn, Charlotte, N. C. Valve mechanism for dispensing fluids. 1,632,501; June 14.
Patterson, Irene, Trinidad, Colo. Stocking. Des. 72,865; June 14.
Patzwahl, Erich. (See Obergfell, G., and Patzwahl.)
Paulus, Rudolph, and P. Tirik, New York, N. Y. Article of merchandise. 1,632,673; June 14.
Paynter Corporation. (See Paynter, John C., assignor.)
Paynter, John C., assignor to Paynter Corporation, Philadelphia, Pa. Tire mold. 1,632,310; June 14.
Pearson, Carl E., Cleveland, Ohio, assignor to The Cleveland Trust Company, trustee. Adjusting means for sound-reproducing machanism. 1,632,416; June 14.
Pearson, Charles, assignor to International Harvester Company, Chicago, Ill. Hitch. 1,632,145; June 14.
Pearson, Chester L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last-scouring wheel. 1,632,244; June 14.
Pearson, Erick, Minneapolis, Minn. Trend-belt tractor. 1,632,674; June 14.
Peck, Hannaford & Peck Company, The. (See Peck, Robert E., assignor.)
Peck, Robert E., assignor to The Peck, Hannaford & Peck Company, Cincinnati, Ohio. Ventilator canopy. 1,632,881; June 14.
Pecker, Joseph S., assignor of one-third to M. Katzander, one-third to E. Bloss, and one-third to C. Jellinek, Philadelphia, Pa. Folding chair. 1,632,146; June 14.
Peckham, Frank J., Troy, Ohio. Fishing float. 1,632,502; June 14.
Pedrick, Howard A., Bala, assignor to Ev-Air-Tight Calking Co., Philadelphia, Pa. Calking machine. 1,632,559; June 14.
Pellegrino, Vincenzo, Rye, N. Y. Evaporator for carburetors. 1,632,675; June 14.
People of the United States, The. (See Barger, W. R., Hawkins, and Blatz, assignors.)
Perfect Window Regulator Corporation. (See Kurscheidt, P. J., and Norwood, assignors.)
Persons, Ernest L., Chicago, Ill., assignor to The David J. Molloy Company. Book cover. 1,632,193; June 14.
Peters, Arthur E., Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill sharpener. 1,632,621; June 14.

Peters, John F., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer winding. 1,632,097; June 14.
Peterson, Emil J., assignor to Hayes Wheel Company, Jackson, Mich. Rim-rolling machine. 1,632,560; June 14.
Peyton, Ephraim G., U. S. Army, Washington, D. C. Circuit closer. 1,632,676; June 14.
Pfister, William A. (See Price, E., and Pfister.)
Phelps, Lowell S., Laramie, Wyo. Attachment for tractors. 1,632,311; June 14.
Philips', N. V., Gloeilampenfabrieken. (See Holst, G., and Bouwers, assignors.)
Phillips Petroleum Company. (See Hubbell, Alfred W., assignor.)
Photo Plating Company, The. (See Sundbeck, Adolph, assignor.)
Piccirilli, Pasquale J., New York, N. Y. Door brace. 1,631,979; June 14.
Piccirilli, Pasquale J., New York, N. Y. Door brace. 1,631,980; June 14.
Pipkin, James A., Waco, Tex. Bottle protector. 1,632,347; June 14.
Pitcairn, Edward, et al. (See Molony, S. B., and Nikaido, assignors.)
Pitcher, Elmer, assignor to Pitcher Quack Grass Digger Co., Minneapolis, Minn. Quack-grass digger. 1,632,451; June 14.
Pitcher Quack Grass Digger Co. (See Pitcher, Elmer, assignor.)
Pitt, Irving, Manufacturing Company. (See Conger, Claude M., assignor.)
Pleister, Henry W., Westfield, N. J., assignor, to H. B. Newhall. Sound amplifier. 1,632,040; June 14.
Ply-Rite Contracting Company, The. (See Wootton, Joseph H., assignor.)
Pockmire, Warren, Charleston, W. Va. Dust cap. 1,632,503; June 14.
Pollack, Daniel. (See Kasdan, N., and Pollack.)
Pomeroy, James W. (See Todd, W. C., and Pomeroy.)
Porter, Leslie F., Passaic, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,631,981; June 14.
Possehl, Henry C., Baker, Minn. Fish and fowl dressing device. 1,632,194; June 14.
Potts, Louis M., Highwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 1,631,982; June 14.
Poudrier, Armand L., Los Angeles, Calif. Hydraulic snubber. 1,632,041; June 14.
Pow, Alexander. (See Brown, Robert M., assignor.)
Power Specialty Company. (See Hight, Eugene S., assignor.)
Powers, Thomas E., New York, N. Y. Wheeled toy. Des. 72,866; June 14.
Powers, Thomas E., New York, N. Y. Wheeled toy. Des. 72,867; June 14.
Pratt, Benjamin H., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 72,868; June 14.
Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
Prentice, Hugh. (See Buckman, H. W., and Prentice.)
Preston, Clarence E., Oklahoma City, Okla. Display device. 1,632,504; June 14.
Price, Edwin G. (See Weber, V., and Price.)
Price, Emil, and W. A. Pfister, Los Angeles, Calif. Adjustable union. 1,632,042; June 14.
Pridham, Edwin S., and P. L. Jensen, assignors to The Magnavox Company, Oakland, Calif. Cabinet for radio receiving apparatus. Des. 72,869; June 14.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,632,622; June 14.
Prior, Ethel M., Hartford, Conn. Cover for flatiron stands. 1,632,348; June 14.
Prosperity Company, The. (See Clisson, Albert B., assignor.)
Quigley, John T., Los Angeles, Calif. Device for filing cards and the like. 1,631,983; June 14.
Rachlin, Eva, Brooklyn, N. Y. Gutter hanger. 1,632,561; June 14.
Racine Horseshoe Tire Company. (See Caldwell, Truman S., assignor.)
Radeeff, Andrew, New York, N. Y. Perfumer for electric fans. 1,632,245; June 14.
Radio Corporation of America. (See Clark, George H., assignor.)
Raeth, Frederick C., Milwaukee, Wis. Converting chemical fertilizers to yeast and other organic substances. 1,632,312; June 14.
Ragsdale, Earl J. W., Norristown, Pa., assignor to Secretary of War, Dwight F. Davis. Dummy bomb. 1,632,147; June 14.
Railway Signal Company Limited, The. (See Roberts, Walter S., assignor.)
Raney, Clemma R., assignor to International Harvester Company, Chicago, Ill. Grain shocker. 1,632,148; June 14.
Rasmussen, Martin, assignor to Hartmann Trunk Company, Racine, Wis. Trunk lock. 1,632,195; June 14.
Rathbun, Edward, Toledo, Ohio, assignor to Ingersoll-Rand Company, Jersey City, N. J., and The Rathbun-Jones Engineering Company, Toledo, Ohio. Governor regulator. 1,632,349; June 14.
Rathbun-Jones Engineering Company, The, et al. (See Rathbun, Edward, assignor.)
Rawlings, Ernest J., assignor to Rawlings Manufacturing Company Limited, London, England. Latching and braking device for adjustable windows. 1,632,677; June 14.
Rawlings Manufacturing Company Limited. (See Rawlings, Ernest J., assignor.)
Red Star Appliances, Inc. (See Eskholme, John W., assignor.)
Redick, Frank, Parkerton, Wyo. Sand-reel bearing. 1,632,678; June 14.
Redmond, Albert G., Indianapolis, Ind., assignor to J. R. Francis, Flint, Mich. Fuel-feeding system for internal-combustion engines. 1,631,984; June 14.
Reed, C. A., Company. (See Jopson, William G., assignor.)
Reed, Earl A., Okemah, Okla. Rotary well-drilling apparatus. 1,632,713; June 14.
Reinforced Paper Bottle Corporation. (See Koch, Lydia B., assignor.)
Remus, Isidor T., Woodhaven, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. 1,632,350; June 14.
Remington Typewriter Company. (See Lewis, Richard J., assignor.)
Rhoads, Harry E., Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio. Intake nozzle. 1,632,196; June 14.
Rhode, Lewis W., et al. (See Eckles, Noble, assignor.)
Rhodes, Fay R., Iola, Kans. Windshield attachment. 1,632,679; June 14.
Rich, Theodore A., East Lynn, Mass., assignor to General Electric Company. Electric measuring instrument. 1,632,623; June 14.
Richardson, James A., Halkirk, Alberta, Canada. Shocker. 1,632,043; June 14.
Richmond, Roy B., Chicago, Ill. Musical instrument. 1,632,197; June 14.
Riley Stoker Corporation. (See Grahame, Dallas F., assignor.)
Ritow, Herman, Chicago, Ill. Slide rule. 1,632,505; June 14.
Ritter, George F., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Carburetor. 1,632,198; June 14.
Roberts, Kenneth A. (See Humphris, Frank, assignor.)
Roberts, Odin, Boston, Mass. Collar and cuff. 1,631,985; June 14.
Roberts, Walter S., Ormskirk, assignor of one-half to The Railway Signal Company Limited, London, England. Token system. 1,632,240; June 14.
Robeson-Rochester Corporation. (See Schott, Howard H., assignor.)
Robinson, James M. (See Murphy, John F., assignor.)
Robinson, Joseph, Morristown, N. J. Automatic train-pipe coupling. 1,632,714; June 14.
Robinson, Thomas E., Philadelphia, Pa. Gate or door operating mechanism. 1,632,506; June 14.
Rodgers, Daniel C., Canton, Ohio. Shock absorber. 1,632,715; June 14.
Rodriguez, Roberto, Detroit, Mich. Cold-air-supplying apparatus. 1,632,680; June 14.
Roebel, Ludwig, Mannheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Machine-control apparatus. 1,632,417; June 14.
Rogers, Harold A., Cardiff, Wales. Gramophone record. 1,632,313; June 14.
Rogivue, Carl, Togel, Germany, assignor to General Electric Company. Condenser plant for locomotives. 1,632,624; June 14.
Rolaff, Walter G. E., St. Louis, Mo. Compressor. 1,632,562; June 14.
Roline, Carl G., and C. Norre, Chicago, Ill. Machine for folding the corners of book covers. 1,632,452; June 14.
Roper, Geo. D., Corporation. (See Larson, Swan, assignor.)
Rosales, Mariano, San Antonio, Tex. Float-operated circuit closer. 1,632,098; June 14.
Ross, Harry H., Toledo, Ohio. Card game. 1,632,681; June 14.
Rowan, Thomas, Brooklyn, assignor to Structural Gypsum Corporation, New York, N. Y. Building construction. 1,632,453; June 14.
Royal, Joseph N., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada. Box or similar container. Des. 72,870; June 14.
Rudqvist, Carl A., Staket, Sweden. Ignition plug for internal-combustion motors. 1,632,314; June 14.
Ruegg, Leonard, Los Angeles, Calif. Faucet. 1,632,418; June 14.
Runne, Ernst. (See Thiess, K. Müller, Runne, and Schaeffer.)
Rusche, Harold, New York, N. Y. Diagram holder. 1,631,986; June 14.
Russe, William H. (See Allen, Chester B., assignor.)
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop motion for winders. 1,632,507; June 14.
Rypinski, Maurice C., Yonkers, L. W. Staunton, Jackson Heights, and S. Bourne, New York, N. Y., assignors to Brandes Laboratories, Inc., Newark, N. J. Cone speaker. 72,871; June 14.
Sachs, Morris, and S. Fliederbaum, New York, N. Y. Moving sign. 1,632,315; June 14.

Sachse, Herman P. (See Klopsteg, P. E., and Sachse.)
Sacre, Anton T., San Antonio, Tex. Automobile wheel. 1,632,382; June 14.
Sager, J. H., Company. (See Sager, James H., assignor.)
Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper. 1,632,563; June 14.
Sahlberg, Carl A., Chicago, Ill. Canning meats. 1,632,454; June 14.
Sanford, Hugh W., Knoxville, Tenn. Grease-gun connection. 1,632,149; June 14.
Sasser, Otis, Clovis, N. Mex. Carbonated-water-cut-off valve for soda fountain. 1,632,625; June 14.
Savoy, Philip A., Fullerton, Calif. Renewable fuse. 1,632,316; June 14.
Saxton, Augustus C. (See Hill, G. S., and Saxton.)
Sayers, Charles A., San Diego, Calif. Side windshield for vehicles. 1,632,564; June 14.
Scarlett, Charles E., et al., trustees. (See Charles, Carl L., assignor.)
Schaeffer, Albert. (See Thiess, K., Müller, Runne, and Schaeffer.)
Schantz, Carl, Freiburg, Germany. Preserving wood and the like. 1,632,508; June 14.
Schelleng, John C., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,632,099; June 14.
Scherbius & Ritter. (See Lewerenz, Arthur, assignor.)
Schimpf, George C. (See Chenowith, W. H., and Schimpf.)
Schlegel, Heinrich, Duisburg-Ruhrort, Germany. Production of building blocks. 1,632,317; June 14.
Schmidt, Karl, Lichtenrade, near Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Speed regulator. 1,632,565; June 14.
Schmidt, Karl, Berlin-Sudende, assignor to C. Lorenz Aktiengesclischaft, Berlin-Tempelhof, Germany. Frequency-multiplication system. 1,632,626; June 14.
Schnath, Heinrich, assignor to the Firm Kuxmann & Co., Komm.-Akt.-Ges., Bielefeld, Germany. Machine for spreading artificial manure. 1,632,199; June 14.
Schneider, Carl F., Chicago, Ill. Fishing apparatus. 1,632,566; June 14.
Schnitger, William E., Garden Grove, Calif. Tractor hitch. 1,632,509; June 14.
Schonbourger, Lucien, Paris, France, assignor to General Electric Company. Speed-control system. 1,632,627; June 14.
Schoshusen, Arthur, West Somerville, Mass. Boot or shoe form. 1,632,044; June 14.
Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Urn. Des. 72,872; June 14.
Senrage, Hilde K., Paris, France, assignor to General Electric Company. Dynamo-electric machine. 1,632,628; June 14.
Schumacher, Conrad. (See Gaisman, H. J., and Schumacher.)
Schwartz, Morris, assignor of one-half to W. B. Parish, Chicago, Ill. Die mechanism. Re16,659; June 14.
Schweigert, Otto, Pforzheim, Germany. Shoulder strap for ladies' underwear. 1,632,716; June 14.
Schweiker, Roy W., assignor to Franklin Pottery, Lansdale, Pa. Attaching bracket for lighting fixtures. 1,632,510; June 14.
Šedivá, Jarmila, Pribram, Czechoslovakia. Device for separating and straining liquids. 1,632,511; June 14.
Seiden, Samuel, Bronx, and C. G. McBride, New York, N. Y. Leveling device. 1,632,383; June 14.
Selier, George J., Danville, Ill. Wall-building device. 1,632,514; June 14.
Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Speed-control system. 1,632,682; June 14.
Seneca Falls Machine Co. (See Ashton, Richard A., assignor.)
Serva, Adam A., assignor to The United Electric Company, Canton, Ohio. Pulley. 1,632,512; June 14.
Severin, Carl, Cleveland Heights, Ohio, assignor to General Electric Company. Filament for incandescent lamps or similar articles. 1,632,769; June 14.
Shannon, Ellwood M., Bala, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Cylindrical valve for locomotives. 1,632,629; June 14.
Shannon, William J., East Cleveland, Ohio. Ballast-cleaning machine. 1,632,045; June 14.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Sharp, Joseph W., Philadelphia, Pa. Gas burner. 1,632,513; June 14.
Shaw, John C., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Bourdon-tube spring. 1,632,749; June 14.
Showers, Ernest S., Champion, Mich. Steering mechanism for coaster wagons. 1,632,384; June 14.
Siemens & Halske Aktiengesellschaft. (See Lubberger, Fritz, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lubberger, F., and Hahn, assignors.)
Siemens-Schuckerwerke Gesellschaft mit beschränkter Haftung. (See Abendroth, Wilhelm, assignor.)
Simmons, Albert H., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Waffle iron. 1,632,630; June 14.
Simms, Frank C., East Palestine, Ohio. Electric heating unit. 1,632,318; June 14.
Simms, Frank C., East Palestine, Ohio. Making ceramic members. 1,632,319; June 14.
Simpson, Frederick G., Seattle, Wash. Speed and course indicator for conveyances. 1,632,567; June 14.
Simpson, Tudor R., Johannesburg, Transvaal, South Africa, assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of metalliferous ores. 1,632,419; June 14.
Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
Sippel, Ernest H., and N. J. Wright, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Insulation-severing device. 1,632,320; June 14.
Skonberg, Eric K. (See Mickelson, E. H., and Skonberg.)
Skylepal, Edward A., New York, N. Y. Oil burner. 1,632,046; June 14.
Slade, Louisa N. (See Work, B. G., and Slade.)
Sloane, Harrison G., San Diego, Calif. Hat and parcel carrier. 1,632,568; June 14.
Sloss, Aaron M. (See Lambert, Victor, assignor.)
Smart, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Thermal circuit breaker. 1,632,420; June 14.
Smidth, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smith, Charles M., assignor of 51 per cent to F. M. Compton, Waco, Tex. Valve guide for flushing tanks. 1,632,631; June 14.
Smith, Daniel W., Malone, Tex. Spraying machine. 1,632,047; June 14.
Smith, Edward A., Valdosta, Ga. Rosin dipper. 1,632,247; June 14.
Smith, George M. (See Forrest, A., and Smith.)
Smith, Harry J. (See Fletcher, S. F., and Smith.)
Smith, William M., Bemidji, Minn. Sprayer. 1,632,515; June 14.
Societa Industria Globelte. (See Sternberg, Alfred, assignor.)
Société Anonyme d'Applications des Gaz Liquéfiés. (See Lemoine, Louis, assignor.)
Society of Chemical Industry in Basle. (See Minnich, Walter, assignor.)
Solidarity Watch Case Company. (See McGrevy, Jeremiah, assignor.)
Somers, Claude G. (See McFarland, Joseph E., assignor.)
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Attachment for electric-current demand meters. 1,631,987; June 14.
Sorensen, Peter, Brooklyn, N. Y. Cut-out. 1,631,988; June 14.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,632,632; June 14.
Sozonian Burial Vault Company, The. (See Myers, Don D., assignor.
Sparkes, Harry P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio recorder. 1,632,150; June 14.
Sparling, Archbald E., et al. (See Sparling, Frank K., assignor.)
Sparling Bros. Machine Company. (See Sparling, Frank K.)
Sparling, Frank K., assignor to F. K., A. E., W. D., jr., and T. Sparling, a copartnership doing business under the name of Sparling Bros. Machine Company, New Bedford, Mass. Loom temple. 1,632,351; June 14.
Sparling, Frank K., et al. (See Sparling, Frank K., assignor.)
Sparling, Thomas, et al. (See Sparling, Frank K., assignor.)
Sparling, William D., jr., et al. (See Sparling, Frank K., assignor.)
Sperry Gyroscope Company, The. (See Bassett, Preston R., assignor.)
Sperry Gyroscope Company, The. (See Hall Theodore, assignor.)
Spreckels, Claus, et al. (See Eckles, Noble, assignor.)
Spurr, Foster M., Mattapan, Mass. Automatic valve for use in fish stalls and like places. 1,632,516; June 14.
Squibb, E. R., and Sons. (See Nitardy, Ferdinand W., assignor.)
Stafford, Henry L., Long Beach, Calif. Machine to decapitate and clean fish. 1,932,200; June 14.
Stalker Frederick W. (See Foote, E. B., and Stalker.)
Standard Oil Company. (See Bartels, Edward E., assignor.)
Standard Oil Company. (See Wilson, R. E., and Bahlke, assignors.)
Stanley Works, The. (See Parsons, Stuart W., assignor.)
Star Chandelier Co. (See Boehringer, John A., assignor.)
Starita, Frank, et al. (See Kurz, Robert F., assignor.)
Starke, Ernest F., Red Cloud, Nebr. Rim tool. 1,632,248; June 14.
Staunton, Le Roy W. (See Rypinski, M. C., Staunton, and Bourne.)
Steele, Charles W., assignor to The Miller Rubber Company, Akron, Ohio. Strip-applying attachments for tire-building machines. 1,632,151; June 14.
Steele, Edwin G. (See Sutton, H. M., Steele, and Steele.)
Steele, Walter L. (See Sutton, H. M., Steele, and Steele.)

Steenrod, William J., assignor to Baker-Vawter Company, Benton Harbor, Mich. Lock for loose-leaf binders. 1,632,249; June 14.

Steere, Samuel A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 1,632,201; June 14.

Stelzer, William, Chicago, Ill. Sanitary toilet cover. 1,632,455; June 14.

Sternberg, Alfred, Berlin-Grunewald, Germany, assignor to Societa Industria Globelite, Milan, Italy. Blood-treating process. 1,632,321; June 14.

Stevenson, George, Toronto, Ontario, Canada. House construction. 1,632,421; June 14.

Stevenson, Reston. (See Parsons, C. E., and Stevenson.)

Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 72,873; June 14.

Stewart, John M., Clarendon, Va. Electrical condenser. 1,632,352; June 14.

Stickney, Burnham C., Rutherford, N. J. Internal-combustion engine. 1,632,517; June 14.

Stoll, Charles A., Kane, Pa. Warm-air generator. 1,632,250; June 14.

Stone, Thomas W., assignor to Western Gas Construction Company, Fort Wayne, Ind. Gas-purifying apparatus. 1,632,251; June 14.

Stralt, Hosea H., Overland, Mo. Quoin. 1,632,422; June 14.

Strayer, Lawrence H., Kent, Ohio. Sounding-toy film burster. 1,632,518; June 14.

Streit, Frank J., Cincinnati, Ohio. Can opening and closing device. 1,632,519; June 14.

Stripling, Luke S., assignor of one-half to R. L. Gragg, Burkburnett, Tex. Windmill. 1,632,322; June 14.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Manson, Ray H., assignor.)

Strong, Arthur P., Chicago, Ill. Forced-draft stoker. 1,632,423; June 14.

Structural Gypsum Corporation. (See Rowan, Thomas, assignor.)

Stryke, Mark H., Brooklyn, N. Y. Garment. 1,632,424; June 14.

Stuart, Wallace A., Cleveland, Ohio, assignor of one-half to B. L. Jarrett, Sewickley, Pa. Lining for blast furnaces and the like. 1,632 633; June 14.

Stumpenhorst, John A., Wilkinsburg, Pa., assignor to Duplex Transmission Company. Motor-vehicle transmission mechanism. 1,632,634; June 14.

Stumpf, Otto, Mannheim, Germany. Pocket stand. 1,632,717; June 14.

Sulzer Frères Société Anonyme. (See Zbinden, Eugen, assignor.)

Sumner Iron Works. (See Lueth, Paul F., assignor.)

Sundbeck, Adolph, assignor to The Photo Plating Company, Minneapolis, Minn. Rocking toy. Des. 72,874; June 14.

Sundbeck, Adolph, assignor to The Photo Plating Company, Minneapolis, Minn. Rocking toy. Des. 72,875; June 14.

Sun-Maid Raisin Growers of California. (See Forrest, Thomas W. W., assignor.)

Sutton, Henry M., and W. L. and E. G. Steele, Dallas, Tex. Process of and apparatus for separating, cleaning, and grading all kinds of nuts, cereals, and legumes. 1,632,520; June 14.

Swan, Charles, Long Beach, Calif. Forming paving compositions. 1,632,456; June 14.

Swartwout, Everett W., White Plains, N. Y. Smoking pipe. 1,632,100; June 14.

Sweet, Robert C., et al. (See Cooper, William D., assignor.)

Swoboda, H. O., Inc., et al. (See Newsham, A. S., Viersen, and Misch, assignors.)

Tabb, Warner T., Mahwah, N. J. Hair curler. 1,631,989; June 14.

Tabb, Warner T., Mahwah, N. J. Hair curler. 1,631,990; June 14.

Tabb, Warner T., Mahwah, N. J. Clamp. 1,631,991; June 14.

Tannenholz, Melville, Brooklyn, N. Y. Decorate luncheon mat for hot plates. Des. 72,876; June 14.

Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. High-temperature vapor-pressure recorder and regulator. 1,632,152; June 14.

Taylor, Cyrus. (See Bergmann, C. N., and Taylor.)

Taylor, Elmer Z. (See Bergmann, C. N., and Taylor.)

Taylor, Herman E., Detroit, Mich. Transportation system. 1,632,569; June 14.

Taylor Instrument Companies. (See Foote, E. B. and Stalker, assignors.)

Taylor Instrument Companies. (See Jameson, Percy R., assignors.)

Taylor Instrument Companies. (See Tate, Kenneth L., assignor.)

Taylor, Raolo, and J. W. Cooper. Flytrap. 1,632,635; June 14.

Taylor-Wharton Iron & Steel Company. (See Hopfield, Lewis D., assignor.)

Taylor, William L., Cincinnati, Ohio. Multiplex bag and making it. 1,632,521; June 14.

Terney, Charles L., Ames, Iowa, and P. W. Thayer, Minneapolis, Minn., said Thayer assignor to American Gas Construction Company, Newton, Iowa. Gas-purifying apparatus. 1,632,457; June 14.

Texas Company, The. (See Walker, George D., assignor.)

Thatcher, Harry S., assignor to The Celite Company, Los Angeles, Calif. Filter aid and making same. 1,632,458; June 14.

Thayer, Cecil A., Gary, Ind. Fishing reel. 1,632,522; June 14.

Thayer, Paul W. (See Tenney, Charles L., and Thayer.)

Thiess, Karl, C. J. Müller, and E. Runne, Hochst-on-the-Main, and A. Schneffer, Marxheim-on-the-Taunus, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Thioindigo vat dyestuffs and making same. 1,632,252; June 14.

Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company. Universal joint. 1,632,202; June 14.

Thomas, Wellington M. (See Hays, C., and Thomas.)

Thomas, Judson L., Manufacturing Co. (See Havener, Arthur R., assignor.)

Thordarson, Chester H., Chicago, Ill. Amplifying transformer. 1,632,101; June 14.

Thoresen, Einar, Pittsburgh, Pa. Apparatus for sky-writing. 1,632,153; June 14.

Threefoot, Frederick M., et al. (See Threefoot, L., and Elkin, assignors.)

Threefoot, Gladys L., et al. (See Threefoot, L., and Elkin, assignors.)

Threefoot, Henry M., et al. (See Threefoot, L., and Elkin, assignors.)

Threefoot, Louis, and G. W. Elkin, Meridian, Miss., assignors of one-tenth to L. Threefoot, one-tenth to G. L. Threefoot, one-tenth to F. M. Threefoot, one-tenth to G. L. Threefoot, one-tenth to H. M. Threefoot, one-sixth to G. W. Elkin, one-sixth to C. H. Elkin, and one-sixth to M. Elkin. Conveyer system. 1,632,203; June 14.

Threefoot, Louis, and G. W. Elkin, Meridian, Miss., assignors of one-tenth to L. Threefoot, one-tenth to G. L. Threefoot, one-tenth to F. M. Threefoot, one-tenth to G. L. Threefoot, one-tenth to H. M. Threefoot, one-sixth to G. W. Elkin, one-sixth to C. H. Elkin, and one-sixth to M. Elkin. Conveyer system. 1,632,204; June 14.

Threefoot, Louis, et al. (See Threefoot, L., and Elkin, assignors.)

Thurston, Ernest B., assignor to The Houghton Elevator & Machine Co., Toledo, Ohio. Control mechanism. Re16,658; June 14.

Tiirik, Peter. (See Paulus, R., and Tiirik.)

Tillotson Manufacturing Company, The. (See Ritter, George F., assignor.)

Timken Roller Bearing Company, The. (See Miller, George L.)

Tinker, Frank, Sutton Coldfield, England. Production of petrol. 1,632,011; June 14.

Todd, John S., Hawley, Pa. Let-off means for looms. 1,632,205; June 14.

Todd, William C., and J. W. Pomeroy, Victoria, British Columbia, Canada. Traveling sprinkler. 1,632,353; June 14.

Tolman, Edgar B., jr., assignor to United Conveyor Corporation, Chicago, Ill. Conveying apparatus. 1,632,206; June 14.

Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,632,012; June 14.

Torpin, Richard, Superior, Mont. Machine or device for labeling X-ray dental films. 1,632,154; June 14.

Townley, Wheeler E. (Se Dougherty, J. W., and Townley.)

Townsend, Arthur J. (See Naugle, H. M., and Townsend.)

Tracy, George L., St. Louis, Mo. Automatic entrance protector. 1,632,683; June 14.

Trauger, Guy A., Livermore, Iowa. Binder hitch. 1,632,013; June 14.

Treadwell, Albert P., and J. Flournoy, Columbus, Ga. Check valve. 1,632,636; June 14.

Triay, Edward J., jr., Jacksonville, Fla., and P. L. Farmer, Richmond, Me. Apparatus for loading and unloading freight. 1,632,253; June 14.

Tripp, Valentine W., Blue Hill, Nebr. Gauge. 1,632,637; June 14.

Truman, George C. (See Borbeck, R. E., and Truman.)

Trumbull, Frank S., Providence, R. I. Spoon or similar article. Des. 72,877; June 14.

Tuckfield, Charles, East Molesey, England. Internal-combustion engine. 1,632,684; June 14.

Turner, Claude A. P., Minneapolis, Minn., assignor to W. M. Turner. Truss for bridges and the like. 1,632,014; June 14.

Turner, Samuel E., assignor to Panhandle Refining Company, Wichita Falls, Tex. Metal transom cushion-block container. 1,632,523; June 14.

Turner, William M. (See Turner, Claude A. P., assignor.)

Tweedie, Charles, Jefferson City, Mo. Footwear. 1,632,370; June 14.

Tyden, Emil, Evanston, Ill. Valve-seat cutter. 1,632,354; June 14.

U. G. I. Contracting Company, The. (See Fulweiler, W. H., and Jordan, assignors.)

Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)

Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)

Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)

Union Trust Company, et al., trustees, The. (See Sommer, William H., assignor.)

United Conveyor Corporation. (See Tolman, Edgar B., jr., assignor.)

United Electric Company, The. (See Serva, Adam A., assignor.)

United Kingdom Optical Company, Limited. (See Watson, F. B., and Culver, assignors.)

United Metal Box Co. Inc. (See Hammer, Samuel, assignor.)

United Shoe Machinery Corporation. (See Jackson, James E., assignor.)

United Shoe Machinery Corporation. (See Keall, Frank B., assignor.)

United Shoe Machinery Corporation. (See Pearson, Chester L., assignor.)

U. S. Light & Heat Corporation. (See Carpenter, Campbell C., assignor.)

Upp:rcu, Inglis M. (See Williams, Thomas F., assignor.)

Valve Bag Company of America, The. (See Hartman, Louis H., assignor.)

Vance, Arthur J., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drier for sheet material. 1,632,750; June 14.

Vance Engineering Company. (See Buckman, H. W., and Prentice, assignors.)

Van de Water, John W., Hastings-on-the-Hudson, and B. R. Blair, Jackson Heights, assignors to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,632,048; June 14.

Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough molder. 1,631,992; June 14.

Van Toff, Ernest, Chicago, Ill. Air-cooled engine. 1,632,207; June 14.

Van Valkenburgh, Richard M., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf holder. 1,632,459; June 14.

Vatcher, William H., Los Angeles, Calif. Toothbrush. 1,632,102; June 14.

Venable, William M., Pittsburgh, Pa., assignor to Blow-Knox Company. Bin. 1,632,103; June 14.

Ventresca, Ercole, Houston, Tex. Well-casing cutter. 1,632,015; June 14.

Venzie, Frederick M., Philadelphia, Pa. Plaster block and partition construction formed thereof. 1,632,323; June 14.

Versare Corporation. (See Warhus, Oliver F., assignor.)

Viersen, Paul A. (See Newsham, A. S., Viersen, and Misch.)

Vinogradov, Eugene, New York, N. Y. Window-lighting system. 1,632,254; June 14.

Vollmann, Carl W., Montreal, Quebec, Canada. Gas compressor. 1,632,155; June 14.

Vollmann, Carl W., Montreal, Quebec, Canada. Compressor. 1,632,385; June 14.

Von Schubert, Erich, Berlin, Germany, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin, Friedenau, Germany. Device for taking photographs. 1,632,770; June 14.

Von Spreecken, Harry. (See Nash, R. E., and Von Spreecken.)

Von Uffel, Herman, Philadelphia, Pa. Luminous phosphorescent and waterproof composition. 1,632,766; June 14.

Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)

Voss, Arthur. (See Kränzlein, G., and Voss.)

Wacker, George W., assignor to Pal Radio Company, North Bergen, N. J. Radio receiving apparatus. 1,631,993; June 14.

Wagner, Georges E., St.-Etienne, France. Rotary percussion implement. 1,632,255; June 14.

Walker, David L., et al. (See Modlin, Frank E., assignor.)

Walker, George D., Morgan City, La., assignor to The Texas Company, New York, N. Y. Bundle-tying machine. 1,632,324; June 14.

Walker, James W., Memphis, Tenn. Cultivator. 1,632,638; June 14.

Wallace, Frank W., assignor of one-half to W. G. Oehmig, Chattanooga, Tenn. Vibratory mixer. 1,632,718; June 14.

Walter, Arthur L., Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill. Drop pit. 1,632,256; June 14.

Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Steering mechanism for vehicles. 1,632,460; June 14.

Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical connection. 1,631,994; June 14.

Warner, Chester E., Berwyn, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plural plug. 1,631,995; June 14.

Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)

Waterman-Waterbury Company, The. (See Cross, John H., assignor.)

Waters, George A., New Kirk, Okla. Pin. 1,632,386; June 14.

Watson, Archibald S., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Hoist. 1,632,571; June 14.

Watson, Frank B., and E. Culver, assignors to United Kingdom Optical Company, Limited, London, England. Lens. 1,632,208; June 14.

Webber, William. (See Benjamin, B. R., and Webber.)

Weber, Valentine, and E. G. Price, Newark, N. J. Thermostatic control mechanism. 1,632,355; June 14.

Webster, Arvin C., Detroit, Mich. Connection for pistons and connecting rods. 1,632,049; June 14.

Weiller, Henry, et al. (See Cooper, William D., assignor.)

Weimer, Roy B., assignor to The Miller Rubber Company, Akron, Ohio. Inflatable toy. 1,632,356; June 14.

Weise, Alfred, New York, N. Y. Pocket umbrella. 1,632,639; June 14.

Weisman, Adolph, Brooklyn, N. Y. Manufacturing metal beds. 1,632,524; June 14.

Welsh, James H., Monmouth, Ill. Road maintainer and grader. 1,632,685; June 14.

Wennemer, Gerard P., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. 1,632,050; June 14.

Western Electric Company. (See Bertels, Arnold S., assignor.)

Western Electric Company. (See Brown, John T. L., assignor.)

Western Electric Company. (See Carpenter, Warren W., assignor.)

Western Electric Company. (See Coon, Leslie E., assignor.)

Western Electric Company. (See Coram, Roy E., assignor.)

Western Electric Company. (See Curtis, Austen M., assignor.)

Western Electric Company. (See Farrington, John F., assignor.)

Western Electric Company. (See Ferguson, John G., assignor.)

Western Electric Company. (See Fowler, Clarence B., assignor.)

Western Electric Company. (See Franks, Clem H., assignor.)

Western Electric Company. (See Gent, Edgar W., assignor.)

Western Electric Company. (See Griffin, James T., assignor.)

Western Electric Company. (See Hague, Alfred E., assignor.)

Western Electric Company. (See Hampton, Leon N., assignor.)

Western Electric Company. (See Harrison, Henry C., assignor.)

Western Electric Company. (See Hartley, Ralph V. L., assignor.)

Western Electric Company. (See Hendry, William F., assignor.)

Western Electric Company. (See Housekeeper, William G., assignor.)

Western Electric Company. (See Hubbard, Francis A., assignor.)

Western Electric Company. (See Ives, Herbert E., assignor.)

Western Electric Company. (See Jammer, Jacob S., assignor.)

Western Electric Company. (See Jenkins, George M. O., assignor.)

Western Electric Company. (See Johnson, John B., assignor.)

Western Electric Company. (See Mathes, Robert C., assignor.)

Western Electric Company. (See Merrill, Frank W., assignor.)

Western Electric Company. (See Morton, Charles A., assignor.)

Western Electric Company. (See Mueller, E. C., jr., and Curran, assignors.)

Western Electric Company. (See Newton, Edwin E., assignor.)

Western Electric Company. (See Nordenswan, Robert, assignor.)

Western Electric Company. (See Oswald, A. A., and Nelson, assignors.)

Western Electric Company. (See Porter, Leslie F., assignor.)

Western Electric Company. (See Potts, Louis M., assignor.)

Western Electric Company. (See Schelleng, John C., assignor.)

Western Electric Company. (See Van de Water, J. W., and Blair, assignors.)

Western Electric Company. (See Wennemer, Gerard P., assignor.)

Western Electric Company. (See Zickrick, Lyall, assignor.)

Western Electric Company. (See Zogbaum, Ferdinand, assignor.)

Western Gas Construction Company. (See Stone, Thomas W., assignor.)

Westinghouse Electric and Manufacturing Company. (See Brown, Arthur L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Davis, David C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jablow, Charles, assignor.)

Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Newton, Rex H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry P., assignor.)
Westinghouse Electric & Manufacturing Company, et al. (See Newsham, A. S., Viersen, and Misch, assignors.)
White, Arthur J. (See Mitchell, L. E., and White.)
White, Harold M., Detroit, Mich. Oven door. 1,632,719; June 14.
White, Harry, Kenmore, Ohio. Pump or impeller. 1,632,357; June 14.
Whiting Corporation. (See Walter, Arthur L., assignor.)
Whiting, Donald F., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission circuits. 1,632,104; June 14.
Whitney, Wiley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,632,051; June 14.
Whittingham, George H., Baltimore, Md. Terminal for rheostats. 1,632,358; June 14.
Wiley, Samuel, Metuchen, N. J. Universal system of identification markings for projectiles. 1,632,150; June 14.
Wilkes, Clarence H., and G. E. Calhoun, assignors to Amsterdam Cutlery Company, Incorporated, Amsterdam, N. Y. Shears. 1,632,525; June 14.
Willcox, Frederick H., assignor to Freyn, Brassert & Company, Chicago, Ill. Gas-washing system. 1,632,572; June 14.
Willgoos, Andrew V. D., Upper Montclair, N. J., assignor to Wright Aeronautical Corporation. Clutch. 1,632,526; June 14.
Willheim, Raoul, Vienna, Austria, assignor to General Electric Company. Protective system. 1,632,573; June 14.
Williams, Orval L., Kenmore, Ohio. Rail joint. 1,632,359; June 14.
Williams, Thomas F., Fairhaven, N. J., assignor to Inglis M. Uppercu, Deal, N. J. Spring governor. 1,632,257; June 14.
Willys-Overland Company, The. (See Lutz, Hans, assignor.)
Willys-Overland Company, The. (See Rhoads, Harry E., assignor.)
Wilson, Calvin H., McCracken, Kans. Armored truck for transporting valuables. 1,632,360; June 14.
Wilson, John F., St. Louis, Mo. Cutter guard for dado woodworking machines. 1,632,258; June 14.
Wilson, Robert E., Chicago, Ill., and W. H. Bahlke, assignors to Standard Oil Company, Whiting, Ind. Testing device. 1,632,259; June 14.
Winterhoff, Herman E., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Musical bar. 1,632,731; June 14.
Winters, Edwin C., Detroit, Mich. Vehicle wheel. 1,632,527; June 14.
Wired Radio, Inc. (See Crossley, Alfred, assignor.)
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Final drive for vehicles. 1,631,996; June 14.
Withycombe, Robert M., Sydney, New South Wales, Australia. Withdrawing small quantities of medicaments from receptacles or containers and applying them to the body. 1,632,686; June 14.
Wolf, Charles D., Paris, Ill. Combined ironing board and step ladder. 1,632,721; June 14.
Wolf, Georg, G. m. b. H. (See Loeck, Gunther, assignor.)
Wondra, Franz, Schenectady, N. Y. Internal-combustion turbine. 1,632,157; June 14.
Woodall, John H., Woodland, Ga. Pad for fruit containers. 1,632,722; June 14.
Woodall, Robert B., Malvern, Ark. Garden tool. 1,632,260; June 14.
Woodrow, Oliver B., Newton, Iowa. Adjustable support for electric motors. 1,632,261; June 14.
Woodyard, Laurel C., Lacona, Iowa. Wire stretcher. 1,632,016; June 14.
Wootton, Joseph H., Washington, D. C., assignor to The Ply-Rite Contracting Company, Baltimore, Md. Coating structural surfaces. 1,632,752; June 14.
Worcester Knitting Co., The. (See Barnett, Arthur J., assignor.)
Work, Bertram G., and L. N. Slade, assignors to The B. F. Goodrich Company, New York, N. Y. Reducing garment. 1,632,017; June 14.
Worster, Harold B., Keokuk, Iowa. Bushing tool. 1,632,720; June 14.
Wright Aeronautical Corporation. (See Willgoos, Andrew V. D., assignor.)
Wright, Norman J. (See Sipnel, E. H., and Wright.)
Wright, Oliver S., assignor to Neptune Manufacturing Company, Masontown, Pa. Hair-waving device. 1,632,753; June 14.
Xippas, Socrates, A., Pittsburgh, Pa. Ventilating fan. Re16,656; June 14.
Yanney, George W., assignor to The Alliance Machine Company, Alliance, Ohio. Beet-handling apparatus. 1,632,574; June 14.
Yeary, Don E. (See Yeary, Fred R. and D. E.)
Yeary, Fred R. and D. E., Santa Ana, Calif. Oil friction brake. 1,632,425; June 14.
Young, Samuel C., St. Joseph, La. Carburetor lock. 1,632,687; June 14.
Zbinden, Eugen, assignor to the Firm Sulzer Frères Société Anouyme, Winterthur, Switzerland. Locomotive having combined internal-combustion and electric propulsion system. 1,632,209; June 14.
Zeidler, Hugo, Brooklyn, N. Y. Circular [illegible]. 1,632,528; June 14.
Zickrick, Lyall, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. [illegible] netic material and producing it. 1,632,105; June 14.
Zisch, George J., West Orange, N. J. Loud-speaking telephone receiver. 1,632,426; June 14.
Zogbaum, Ferdinand, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,632,106; June 14.
Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company. Exhaust and separator system for locomotives. 1,632,107; June 14.
Zwoyer, Ellsworth B. A., Perth Amboy, N. J., assignor to The General Fuel Briquette Corp., New York, N. Y. Carbonizing fuel briquettes. 1,632,052; June 14.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid accumulators, Peroxide of lead, zinc, and sulphuric. A. Miolati. 1,632,307; June 14.
Adjusting device. L. E. Baltzley. 1,632,212; June 14.
Aeroplane. H. V. Alexander. 1,632,158; June 14.
Aeroplanes, Bomb dropper for. A. Noan. 1,632,414; June 14.
Air-cooled engine. E. Van Toff. 1,632,207; June 14.
Aircraft, Lighter-than-air. C. D. Burney. 1,632,169; June 14.
Aircraft, Rigid. F. Bauer. 1,632,641; June 14.
Air-pressure regulator. E. M. Morley. 1,632,618; June 14.
Air-supplying apparatus, Cold-. R. Rodriguez. 1,632,680; June 14.
Alarm: *See*—
Burglar alarm.
Alarm mechanism. A. G. Pappadakis. 1,632,499; June 14.
Alarm system. A. M. Curtis. 1,632,059; June 14.
Album. A. W. Engel. 1,632,002; June 14.
Amplifier, Sound. H. W. Pielster. 1,632,040; June 14.
Anchor. W. J. Bauer. 1,632,529; June 14.
Antenna structure. A. A. Oswald and E. L. Nelson. 1,632,039; June 14.
Arc lamps of the sealed type. F. Bahr. 1,632,578; June 14.
Arctic. J. M. Dieta. 1,632,390; June 14.
Asbestos, Cleaning. E. F. Nanfeldt. 1,632,620; June 14.
Autographic register. P. A. Jackson. 1,632,443; June 14.
Automobile body. J. A. Brent. Des. 72,818; June 14.
Automobile body, Convertible. G. Obergfell and E. Patzwahl. 1,632,672; June 14.
Automobile body spring control apparatus. J. B. Drennan. 1,632,728; June 14.
Automobile lock. C. L. Johnson. 1,632,655; June 14.
Automobile radiator or the like. F. de Causse. Des. 72,821; June 14.
Automobile wheel. J. H. Partridge. 1,632,500; June 14.
Automobile wheel. A. T. Sacre. 1,632,382; June 14.
Automobiles, Cranking device for. T. H. LeFever. 1,632,300; June 14.
Automobiles, Lock for. R. Alfisi. 1,632,576; June 14.
Automobiles, Signaling device for. S. L. Jones. 1,632,081; June 14.
Automobiles, Sleeve puller for. E. O. Kroells. 1,632,482; June 14.
Bag: *See*—
Golf bag.
Bag and making it, Multiplex. W. L. Taylor. 1,632,521; June 14.
Ballast-cleaning machine. W. J. Shannon. 1,632,045; June 14.
Bar: *See*—
Musical bar.
Barometer, Mercurial. P. E. Klopsteg and H. P. Sachse. 1,632,084; June 14.
Barometer-setting means. P. R. Jameson. 1,632,736; June 14.
Barrel-reversing mechanism. E. F. Beugler. 1,632,110; June 14.
Bathing suit, Buttonless. A. J. Barnett. 1,632,723; June 14.
Bathroom, Portable. J. F. Murphy. 1,632,668; June 14.
Battery and connecter. S. G. and P. L. Breeden. 1,632,535; June 14.
Battery cell. C. C. Carpenter. 1,632,364; June 14.
Bending and the like. C. Desoutter. 1,632,277; June 14.
Bearing drive and hanger box, Antifriction. G. L. Miller. 1,632,495; June 14.
Bearing metal. P. Kemp and T. Kittl. 1,632,604; June 14.
Bearing, Sand-reel. F. Redick. 1,632,678; June 14.
Bearing shaft. M. Hemleb. 1,631,962; June 14.
Bedpan. A. O. Breaux. 1,632,021; June 14.
Bedpan, Sanitary. A. de Luna. 1,632,645; June 14.
Beds, Manufacturing metal. A. Weisman. 1,632,524; June 14.
Beet-handling apparatus. G. W. Yanney. 1,632,574; June 14.
Beverage dispenser. P. Maiwurm. 1,632,486; June 14.
Bin. W. M. Venable. 1,632,103; June 14.
Binder cover, Loose-leaf. C. M. Conger. 1,632,484; June 14.
Binder hitch. G. A. Trauger. 1,632,013; June 14.
Binders, Lock for loose-leaf. W. J. Steenrod. 1,632,249; June 14.
Birdcage. H. Marcus. 1,632,380; June 14.
Bit: *See*—
Driving bit. Router bit.
Blade-backing machine. H. J. Gaisman and C. Schumacher. 1,632,593; June 14.
Block: *See*—
Bracing block.
Blood-treating process. A. Sternberg. 1,632,321; June 14.
Body adjuster for deceased persons. W. G. Barnes. 1,632,160; June 14.
Boiler: *See*—
Economizer boiler.
Boiler regulator. C. A. French and L. E. Golt. 1,632,125; June 14.
Bolt: *See*—
Shackle bolt.
Bomb, Dummy. E. J. W. Ragsdale. 1,632,147; June 14.
Book cover. E. L. Persons. 1,632,193; June 14.
Book covers, Machine for folding the corners of. C. G. Rolline and C. Norre. 1,632,452; June 14.
Bookkeeping machines and the like, Operating device for. V. J. Hedden. 1,632,228; June 14.
Boot or shoe form. A. Schoshusen. 1,632,044; June 14.
Bottle. C. King. Des. 72,831; June 14.
Bottle. L. B. Koch. 1,632,187; June 14.
Bottle. G. D. Stewart. Des. 72,873; June 14.
Bottle protector. J. A. Pipkin. 1,632,347; June 14.
Bowl. W. H. Magee. Des. 72,861; June 14.
Box: *See*—
Journal box. Vanity box.
Stuffing box.
Box or similar container. J. N. Royal. Des. 72,870; June 14.
Brace: *See*—
Door brace.
Bracing block. E. A. Herrick and T. L. MacBean. 1,632,072; June 14.
Bracket: *See*—
Curtain-rod bracket.
Bracket arms, Insulating washer for brush-holder. R. H. Newton. 1,632,096; June 14.
Braiding machine. E. Krenzler. 1,632,608; June 14.
Brake-beam guide. H. W. Ekholm. 1,632,061; June 14.
Brake: *See*—
Oil friction brake. Truck brake.
Brake control. M. W. McConkey. 1,632,140; June 14.
Brassière and dress shield, Combined. V. Guinzburg. 1,632,547; June 14.
Bridge work. L. A. Klander. 1,632,744; June 14.
Bridges and the like, Truss for. C. A. P. Turner. 1,632,014; June 14.
Brooder. H. A. Christiansen and L. E. Merrick. 1,632,367; June 14.
Brush, Rotary. E. S. Carman and E. E. Curtis. 1,631,998; June 14.
Brushing machine. H. M. Keith. 1,632,705; June 14.
Building blocks, Production of. H. Schlegel. 1,632,317; June 14.
Building construction. T. Rowan. 1,632,453; June 14.
Bumper. J. H. Sager. 1,632,563; June 14.
Bundle-tying machine. G. D. Walker. 1,632,324; June 14.
Burglar alarm. T. R. Castles. 1,632,170; June 14.
Burial vaults, Automatic latching device for. D. D. Myers. 1,632,243; June 14.
Burner: *See*—
Gas burner. Oil burner.
Bushing, Adjustable self-aligning. B. R. Benjamin and W. Webber. 1,632,164; June 14.
Bushing tool. H. B. Worster. 1,632,720; June 14.
Buttons, Machine for the manufacturing of. J. A. Bladh. 1,632,642; June 14.
Cabinet, Dispensing. H. W. Krueger. 1,632,446; June 14.
Cabinet for radio receiving apparatus. E. S. Pridham and P. L. Jensen. Des. 72,869; June 14.
Cabinet, Ticket. E. Axberg. 1,632,265; June 14.
Cable equalizer. E. F. Kleckhefer. 1,632,083; June 14.
Calendar, Desk. G. W. Esau. 1,632,393; June 14.
Calking machine. H. A. Pedrick. 1,632,559; June 14.
Call indicator. E. C. Mueller, jr., and S. T. Curran. 1,632,093; June 14.

Camera attachment. A. G. Atchison. 1,632,690; June 14.
Cam-shaft control. H. M. Fey. 1,632,223; June 14.
Can opening and closing device. F. J. Streit. 1,632,519; June 14.
Can or cartridge, Grease. F. D. Gatchell. 1,632,594; June 14.
Cap, Dust. W. Pockmire. 1,632,503; June 14.
Car coupling. J. W. Easter. 1,632,222; June 14.
Car, Plant service. E. A. Malmgren. 1,632,240; June 14.
Car truck, Railway-. C. L. Charles. 1,632,117; June 14.
Cars, Combined grating and spray for refrigerator. L. and F. L. Cruncleton. 1,632,370; June 14.
Cars, Cross tie for railway. K. C. Gardner. 1,632,181; June 14.
Carbonator. A. L. Koenig. 1,632,409; June 14.
Carburetor. N. Eckles. 1,632,279; June 14.
Carburetor. G. F. Ritter. 1,632,198; June 14.
Carburetor lock. S. C. Young. 1,632,687; June 14.
Carburetors, Evaporator for. V. Pellegrino. 1,632,675; June 14.
Card container and desk tray. W. C. Hlering. 1,632,336; June 14.
Card, Mailing. G. O. Jenner. 1,632,185; June 14.
Carrier: *See*—
Hat and parcel carrier. Trace carrier.
Carton, Dispensing. R. C. McCrystal. 1,632,412; June 14.
Case: *See*—
Vanity case.
Case for smokers' requisites, Articulated. W. C. Hlering. 1,632,335; June 14.
Caster with brake and lock, Swivel. W. R. Darnell. 1,632,435; June 14.
Casting having chromium alloy surface. C. B. Jacobs 1,632,704; June 14.
Ceiling light. M. Klein. Des. 72,852–3; June 14.
Cementing material. J. T. Griffin. 1,632,404; June 14.
Ceramic members, Making. F. C. Simms. 1,632,319; June 14.
Chain-tightening device, Antiskid-. E. Crowell. 1,632,664; June 14.
Chains, Coupling means for. O. G. Crannell. 1,632,697; June 14.
Chair: *See*—
Folding chair.
Chandelier. H. Finch. Des. 72,823; June 14.
Chandelier. M. Klein. 72,832; June 14.
Chassis lubrication. E. J. Bloom. 1,632,767; June 14.
Chemical fertilizers to yeast and other organic substances, Covering. F. C. Raeth. 1,632,312; June 14.
Chute. G. T. Breen. 1,632,536; June 14.
Circuit breaker, Thermal. J. F. Smart. 1,632,420; June 14.
Circuit closer. G. P. Beaston. 1,632,530; June 14.
Circuit closer. E. G. Peyton. 1,632,676; June 14.
Circuit closer, Float-operated. M. Rosales. 1,632,098; June 14.
Circuits, Program selecting. J. F. Toomey. 1,632,012; June 14.
Clamp. W. T. Tabb. 1,631,991; June 14.
Clamp for containers. J. Green. 1,632,732; June 14.
Clamping device. L. P. Armstrong. 1,632,108; June 14.
Cleaner: *See*—
Vegetable cleaner.
Clearance gauge. L. N. Hampton. 1,632,067; June 14.
Clevis. W. J. Coultas. 1,632,175; June 14.
Climbing iron, Lineman's. W. Allahverdian. 1,632,688; June 14.
Clip-setting device, Floor-strip. T. A. Moore. 1,632,242; June 14.
Clock casing. L. V. Aronson. Des. 72,811–12; June 14.
Closure. N. Lee. 1,632,086; June 14.
Clothesline holder. G. J. A. Molique. 1,632,616; June 14.
Clutch. J. L. Baldwin. 1,632,159; June 14.
Clutch. P. J. Kurscheidt and H. E. Norwood. 1,632,763; June 14.
Clutch. A. V. D. Willgoos. 1,632,526; June 14.
Clutch, Load-limiting. R. Chilton. 1,632,539; June 14.
Coal and similar material, Weigher for. M. Gordon. 1,632,595; June 14.
Coffeepot. V. Lambert. 1,632,342; June 14.
Coin-controlled vending device. F. J. McFarland. 1,632,493; June 14.
Collar and cuff. O. Roberts. 1,631,985; June 14.
Comb: *See*—
Hair comb.
Comport. W. H. Magee. Des. 72,862; June 14.
Compounds insoluble or sparingly soluble in water, Preparations of solutions of. W. Minnich. 1,632,306; June 14.
Compressor. W. G. E. Rolaff. 1,632,562; June 14.
Compressor. C. W. Vollmann. 1,632,385; June 14.
Compressor, Variable-capacity air. B. V. Nordberg. 1,632,498; June 14.
Condenser. A. Haddock. 1,632,130; June 14.
Condenser, Variable. F. O. Hartman. 1,632,649–50; June 14.
Condenser, Variable. R. H. Manson. 1,632,487–8; June 14.
Cone speaker. M. C. Rypinski, L. W. Staunton, and S. Bourne. Des. 72,871; June 14.
Connecter member. C. Bramming. 1,632,112; June 14.
Contact device. S. L. Miller. 1,632,709; June 14.
Container. J. Kaufman. 1,631,965–7; June 14.
Control apparatus. W. G. Housekeeper. 1,632,074; June 14.
Control mechanism. L. M. Potts. 1,631,982; June 14.
Control mechanism. E. B. Thurston. Re16,658; June 14.
Control system. D. C. Prince. 1,632,622; June 14.
Conveyances, Speed and course indicator for. F. G. Simpson. 1,632,567; June 14.
Conveyer system. L. Threefoot and G. W. Elkin. 1,632,203–4; June 14.
Conveying apparatus. E. B. Tolman, jr. 1,632,206; June 14.
Cooking utensil. S. J. Bell. 1,632,326; June 14.
Cooler: *See*—
Milk cooler.
Cooling tower. J. S. Fluor. 1,632,397; June 14.
Cooling unit. J. P. B. Fiske. 1,632,283; June 14.
Cot, Folding. W. E. Brown. 1,632,114; June 14.
Cotton, Machine for opening and preparing. J. W. Goodroe. 1,632,372; June 14.
Coupling: *See*—
Car coupling. Pipe coupling.
Crane, Derrick. F. W. Hake. 1,632,329; June 14.
Crusher: *See*—
Ore crusher.
Cultivator. N. D. Kern. 1,632,706; June 14.
Cultivator. J. W. Walker. 1,632,638; June 14.
Curtain-rod bracket. J. N. Henry. 1,632,071; June 14.
Cut-out. P. Sorensen. 1,631,988; June 14.
Cutter: *See*—
Valve-seat cutter. Well-casing cutter.
Cutting device. L. N. Hampton. 1,632,004; June 14.
Cylinder lubrication. R. W. Davenport. 1,632,119; June 14.
Cylinders, Device for closing compressed or liquid gas. L. Lemoine. 1,632,447; June 14.
Demand meter. D. C. Davis. 1,632,120; June 14.
Demonstrating device. H. E. Lichtenstein. 1,632,302; June 14.
Dentures in metal, Casting of. F. W. Nunn. 1,632,712; June 14.
Desk, Student's portable. S. J. Holderman and R. E. Cryder. 1,632,476; June 14.
Diagram holder. H. Ruscher. 1,631,986; June 14.
Die mechanism. M. Schwartz. Re16,659; June 14.
Digger: *See*—
Grass digger.
Direction indicator. A. Durchin. 1,632,437; June 14.
Dishwashing machine. A. G. Haskins. 1,632,182; June 14.
Dishwashing machine. T. J. and M. J. Kehoe. 1,631,968; June 14.
Dishwashing machine. M. J. Kehoe. 1,632,007; June 14.
Display card for toilet-paper rolls. F. W. Hoefler. 1,632,475; June 14.
Display device. A. H. Kogge. 1,632,607; June 14.
Display device. C. E. Preston. 1,632,504; June 14.
Ditching machine. J. G. Lindeman. 1,632,303; June 14.
Doll. H. T. Chinn. 1,632,171; June 14.
Door and table, Combined. C. F. Berry. 1,632,268; June 14.
Door brace. P. J. Piccirilli. 1,631,979–80; June 14.
Door lock. S. Edelson. Des. 72,822; June 14.
Door-operating mechanism. F. R. Lemon. 1,632,237; June 14.
Door operator. I. F. Keisling. 1,632,028; June 14.
Door, Oven. H. M. White. 1,632,710; June 14.
Dough molder. F. H. Van Houten. 1,631,992; June 14.
Doughnut machine, Greaseless-. J. A. Burrichter. 1,632,115; June 14.
Drafting instrument. J. C. Beem. 1,632,267; June 14.
Dredge tumbler. L. D. Hopfield. 1,632,602; June 14.
Drier for sheet material. A. J. Vance. 1,632,750; June 14.
Drilling machine. G. H. Gilman. 1,632,400; June 14.
Drills, Reversing mechanism for electric. R. A. Norling. 1,632,671; June 14.
Driving bit. J. S. Bristol. 1,632,589; June 14.
Drop pit. A. L. Walter. 1,632,256; June 14.
Dry dock, Floating. P. Matthiessen and A. D. Möller. 1,632,491; June 14.
Drying berries, Apparatus for. T. W. W. Forrest. 1,632,180; June 14.
Drying rack. M. W. McArdle. 1,632,032; June 14.
Dyestuffs and making same, Thioindigo vat. K. Thiess, C. J. Müller, E. Runne, and A. Schaeffer. 1,632,252; June 14.
Eaves-trough support. C. P. Mullen. 1,632,036; June 14.
Economizer boiler. E. S. Hight. 1,632,291; June 14.
Electric discharge device. J. B. Johnson. 1,632,080; June 14.
Electric-fixture support and connecter. R. B. Benjamin. 1,631,997; June 14.
Electric furnace. L. H. Giddings. 1,632,126; June 14.
Electric machine, Dynamo-. H. K. Schrage. 1,632,628; June 14.
Electric motor. F. W. Merrill. 1,631,977; June 14.
Electric socket switch. W. F. Conklin. 1,632,174; June 14.
Electric switch. H. G. French. 1,632,592; June 14.
Electric switch. A. H. Nero. 1,632,670; June 14.
Electrical cables, Identification of. W. H. Martin. 1,632,030; June 14.
Electrical condenser. J. M. Stewart. 1,632,352; June 14.
Electrical connection. A. A. Warner. 1,631,994; June 14.

Electrical instrument. T. L. Lee. 1,632,609; June 14.
Electrolytic cells, Cooling arrangement for. C. F. Holmboe. 1,632,184; June 14.
Electromagnetic device. H. C. Harrison. 1,632,134; June 14.
Electron-discharge devices, Electrode structure for. W. F. Hendry. 1,632,135; June 14.
Elevator system. J. R. Jackson, jr. 1,632,376; June 14.
Elevator system, Electric. G. B. Grosvenor. 1,632,225–6; June 14.
End gate. R. E. Nash and H. Von Spreecken. 1,632,747; June 14.
Engine: *See*—
Air-cooled engine. Internal-combustion engine.
Engine-cooling system. L. P. Barlow. 1,632,581; June 14.
Engine-cooling system. L. P. Barlow. 1,632,582–4; June 14.
Engine-starting device. A. Avis. 1,632,264; June 14.
Engines, Compressed-air starting device of internal-combustion. A. U. S. Danielsson. 1,632,023; June 14.
Engines, Electromechanical valve-operating means for internal-combustion. L. N. Bland. 1,632,531; June 14.
Engines, Fuel-feeding system for internal-combustion. A. G. Redmond. 1,631,984; June 14.
Engines, Governor for gas. W. A. Girardier and B. B. Hibbard. 1,632,471; June 14.
Engines, Ignition-testing device for internal-combustion. C. D. Bourcier. 1,632,166; June 14.
Engines, Lubricating system for internal-combustion. J. N. Joerger and J. E. Craver. 1,632,654; June 14.
Engines, Vapor-cooling system for internal-combustion. L. P. Barlow. 1,632,585–6; June 14.
Entrance protector, Automatic. G. L. Tracy. 1,632,683; June 14.
Envelope and making same. A. E. Naugle. 1,632,669; June 14.
Envelope-sealing device. E. B. Gray. 1,632,648; June 14.
Ether, Preservation of. F. W. Nitardy. 1,632,309; June 14.
Exhaust muffler. W. F. Bouché and E. J. Blake. 1,632,328; June 14.
Fabric or the like, Apparatus for coating and drying. R. R. Jones. 1,632,760; June 14.
Fabric-testing machine. C. L. Dennis. 1,632,591; June 14.
Fan, Hand. S. Minunno. 1,632,556; June 14.
Fan, Ventilating. S. A. Xippas. Re10,650; June 24.
Fans, Perfumer for electric. A. Radeeff. 1,632,245; June 14.
Fastener-setting mechanism. A. R. Havener. 1,632,374; June 14.
Faucet. L. Ruegg. 1,632,418; June 14.
Feed grinder. J. Koch. 1,632,341; June 14.
Feeder, Poultry. F. W. Lord. 1,632,738; June 14.
Fence. W. M. Holtz. 1,632,231; June 14.
Fertilizer distributor. H. R. Clark. 1,632,540; June 14.
Filing cards and the like, Device for. J. T. Quigley. 1,631,983; June 14.
Films, Producing colored photographic. L. F. Douglas. 1,632,278; June 14.
Filter aid and making same. H. S. Thatcher. 1,632,458; June 14.
Filter, Oil. W. G. Burbans. 1,632,461; June 14.
Fire shutter. G. E. Deller. 1,632,219; June 14.
Fires, Extinguishing. K. H. Kiefer. 1,632,339; June 14.
Fish and fowl dressing device. H. C. Poschl. 1,632,194; June 14.
Fishing apparatus. C. F. Schneider. 1,632,566; June 14.
Fishing float. F. J. Peckham. 1,632,502; June 14.
Fishing reel. C. A. Thayer. 1,632,522; June 14.
Fish, Machine to decapitate and clean. H. L. Stafford. 1,632,200; June 14.
Flatiron stands, Cover for. E. M. Prior. 1,632,348; June 14.
Flagstaff. R. G. Conklin. 1,632,726; June 14.
Flies, Apparatus for catching. C. de la Torriente. 1,632,276; June 14.
Flooring block. W. Dalton. 1,632,590; June 14.
Flow-control fitting. J. Bijur. 1,632,772; June 14.
Fluid compressor. B. S. Aikman. 1,632,262; June 14.
Fluid-pressure devices, Control valve for. H. W. Buckman and H. Prentice. 1,632,168; June 14.
Fluid-pressure regulator. R. L. Dennison. 1,632,024; June 14.
Flytrap. R. Taylor and J. W. Cooper. 1,632,635; June 14.
Folding chair. J. S. Pecker. 1,632,146; June 14.
Football-playing device. A. B. Foans. 1,632,439; June 14.
Footwear. C. Tweedie. 1,632,570; June 14.
Form-holding yoke. J. E. McFarland. 1,632,141; June 14.
Frame: *See*—
Picture frame.
Freight, Apparatus for loading and unloading. E. J. Triay, jr., and P. L. Farmer. 1,632,253; June 14.
Frost-preventing and irrigating device, Combined. R. H. Lloyd. 1,632,611; June 14.
Fruit-container pad. J. H. Woodall. 1,632,722; June 14.
Fruit in the preparation of fruit for market, Treatment of. W. R. Barger, L. A. Hawkins, and C. P. Blatz. 1,632,579; June 14.
Fuel briquettes, Carbonizing. E. B. A. Zwoyer. 1,632,052; June 14.
Furnace: *See*—
Electric furnace. Wall furnace.
Melting furnace.
Furnace. J. W. Freman. 1,632,730; June 14.
Furnaces and the like, Lining for blast. W. A. Stuart. 1,632,633; June 14.
Fuse, Renewable. P. A. Savoy. 1,632,316; June 14.
Game. F. R. Baer. 1,632,640; June 14.
Game, Card. H. H. Ross. 1,632,681; June 14.
Garment. I. P. McDonald and W. MacMullen, jr. 1,632,190; June 14.
Garment. M. H. Stryke. 1,632,424; June 14.
Garment, Body. M. B. Jackson. 1,632,137; June 14.
Garment, Reducing. B. G. Work and L. N. Slade. 1,632,017; June 14.
Gas burner. J. W. Sharp. 1,632,513; June 14.
Gas compressor. C. W. Vollmann. 1,632,155; June 14.
Gas generator. J. J. Georgi. 1,632,285; June 14.
Gas heater, Mounted. N. Benenati. 1,632,587; June 14.
Gas-outlet fixture. H. C. Anderson. 1,631,953; June 14.
Gas, Purifying. W. H. Fulweiler and C. W. Jordan. 1,632,758; June 14.
Gas-purifying apparatus. T. W. Stone. 1,632,251; June 14.
Gas-purifying apparatus. C. I. Tenney and P. W. Thayer. 1,632,457; June 14.
Gas scrubber. E. Anderson. 1,632,325; June 14.
Gastroscope. G. Loeck. 1,632,612; June 14.
Gas-washing system. F. H. Willcox. 1,632,572; June 14.
Gate: *See*—
End gate.
Gate or door operating mechanism. T. E. Robinson. 1,632,506; June 14.
Gauge: *See*—
Clearance gauge.
Gauge. V. W. Tripp. 1,632,637; June 14.
Gauge cock. J. W. Grantland. 1,632,403; June 14.
Gear blanks, Forging. C. A. Brauchler. 1,632,533; June 14.
Gearing, Drive. A. Fondevila. 1,632,468; June 14.
Gear transmission, Reduction-. H. D. Else. 1,632,123; June 14.
Generator: *See*—
Gas generator. Steam generator.
Oscillation generator. Warm-air generator.
Glass-forming machine. L. D. Soubier. 1,632,632; June 14.
Glass: *See*—
Shock-resisting glass.
Glass structure. H. B. Hawes. 1,632,330; June 14.
Goblet. E. M. Bottome. Des. 72,817; June 14.
Goblet. F. D. Greenan. Des. 72,827; June 14.
Golf bag. W. T. Grubb. 1,632,442; June 14.
Governor regulator. E. Rathbun. 1,632,349; June 14.
Grain shocker. C. R. Raney. 1,632,148; June 14.
Gramophone record. H. A. Rogers. 1,632,313; June 14.
Grass digger, Quack-. E. Pitcher. 1,632,451; June 14.
Grease, Emulsified solid. M. J. Heitmann. 1,632,027; June 14.
Grease-gun connection. H. W. Sanford. 1,632,149; June 14.
Grid-winding machine. E. E. Newton. 1,632,095; June 14.
Grinding and drying apparatus. J. E. Bell. 1,632,109; June 14.
Grinding machine. H. Lutz. 1,632,379; June 14.
Grinding machine, Internal-. F. O. Hoagland. 1,632,600; June 14.
Gutter hanger. E. Rachlin. 1,632,561; June 14.
Hair clipper. J. H. Hines. 1,632,183; June 14.
Hair comb. H. Lister. 1,632,238; June 14.
Hair curler. W. T. Tabb. 1,631,989–90; June 14.
Hair-waving device. O. S. Wright. 1,632,753; June 14.
Hamper, Collapsible. H. T. Bradley and F. Jacobi. 1,632,269; June 14.
Hampers, Adjustable bottom for. H. T. Bradley and F. Jacobi. 1,632,270; June 14.
Hanger: *See*—
Gutter hanger.
Harrow, Tractor. W. C. Dwyer and J. I. Mitchell. 1,632,122; June 14.
Harvester, Berry. T. F. Hall. 1,632,597; June 14.
Harvester thrasher, Combination. W. F. MacGregor. 1,632,745; June 14.
Hat and parcel carrier. H. C. Sloane. 1,632,568; June 14.
Hat protector. D. M. Hart. 1,632,598; June 14.
Haystacker. M. E. Fenner. 1,632,743; June 14.
Headlight construction for automobiles, Dirigible. S. F. Fletcher and H. J. Smith. 1,632,224; June 14.
Headlight for motor vehicles, Dirigible. H. Goodman. 1,632,026; June 14.
Headlight, Movable. C. E. Beaulac. 1,632,691; June 14.
Headrest, Disappearing. C. Lane. 1,632,737; June 14.
Heating device, Electrical. R. M. Moffitt. 1,632,034; June 14.
Heating unit, Electric. F. C. Simms. 1,632,318; June 14.
Hemmer. A. H. DeVoe. 1,631,956; June 14.
Hinge. O. W. L. Buss. 1,632,116; June 14.
Hinge, Bag frame. W. C. Hlering. 1,632,334; June 14.
Hinge, Olive-knuckle. S. W. Parsons. 1,632,415; June 14.
Hitch. C. Pearson. 1,632,145; June 14.
Hockey stick. Z. A. Hall. 1,631,960; June 14.
Hoist. A. S. Watson. 1,632,571; June 14.

Hook: *See*—
Sickle hook.
House construction. G. Stevenson. 1,632,421; June 14.
Hygrometric apparatus. E. B. Foote and F. W. Stalker. 1,632,729; June 14.
Hypochlorites, Manufacture of. R. B. MacMullin. 1,632,483–85; June 14.
Ignition circuit and the supply of gas to the carbureter, Device for controlling both. C. D. Harding. 1,632,133; June 14.
Ignition timer. Z. C. Bradford. 1,632,167; June 14.
Implement handles, Resilient grip for. C. W. Halsey. 1,632,227; June 14.
Incubators, Egg tray for. J. F. MacKay. 1,632,239; June 14.
Indicator: *See*—
Call indicator. Station indicator.
Direction indicator.
Speed and direction indicator.
Induction motor. H. M. Hobart. 1,632,601; June 14.
Ink dispenser. W. R. Greenland. 1,632,473; June 14.
Instantaneous switch. A. Lewerenz. Re16,654; June 14.
Instrument for the inspection of pipes, canals, and cavities of the human or animal body. P. Heymer. 1,632,290; June 14.
Insulation-severing device. B. H. Sippel and N. J. Wright. 1,632,320; June 14.
Intake manifolds and circuit for same, Heating system for. H. S. Mattison. 1,632,139; June 14.
Internal-combustion engine. A. W. Hubbell. 1,632,478; June 14.
Internal-combustion engine. B. C. Stickney. 1,632,517; June 14.
Internal-combustion engine. C. Tuckfield. 1,632,684; June 14.
Iron: *See*—
Climbing iron. Waffle iron.
Ironing board and step ladder, Combined. C. D. Wolf. 1,632,721; June 14.
Ironing machine. A. S. Newsham, P. A. Viersen, and G. Misch. 1,632,094; June 14.
Jack: *See*—
Pump jack.
Jar lifter, Fruit-. J. M. Miller. 1,632,664; June 14.
Joint: *See*—
Rail joint. Universal joint.
Journal box. A. T. Kuchner. 1,632,552; June 14.
Kiln, Oil-fired. A. W. Morse. 1,632,143; June 14.
Lamp, Arc. P. R. Bassett. 1,632,161; June 14.
Lamp, Incandescent. G. R. Fonda. 1,632,647; June 14.
Lamp, Motor-vehicle. W. L. Goodstein. 1,632,127; June 14.
Lamp shade or analogous article of manufacture. A. R. Krause and F. W. Mathieu. Des. 72,856–9; June 14.
Lamps or similar articles, Filament for incandescent. C. Severin. 1,632,769; June 14.
Lantern. C. M. Anderson. 1,632,577; June 14.
Last-scouring wheel. C. L. Pearson. 1,632,244; June 14.
Latching and braking device for adjustable windows. E. J. Rawlings. 1,632,677; June 14.
Lawn-edge trimmer. J. Green. 1,632,129; June 14.
Lawn trimmer. A. Huberty. 1,632,479; June 14.
Leaders, gears, or racks, Cutting. M. E. Fernald. 1,632,396; June 14.
Lens. F. B. Watson and E. Culver. 1,632,208; June 14.
Letter box and milk-bottle holder, Combined. D. Bolzonetti. 1,632,020; June 14.
Leveling device. S. Seiden and C. G. McBride. 1,632,383; June 14.
Lifter: *See*—
Jar lifter.
Lighting device. I. H. Cohen. 1,632,173; June 14.
Lighting fixture. M. Klein. Des. 72,839; June 14.
Lighting fixture. M. Klein. Des. 72,843; June 14.
Lighting fixture. M. Klein. Des. 72,854–5; June 14.
Lighting-fixture bracket. H. Finch. Des. 72,824; June 14.
Lighting fixtures, Arm for. M. Klein. Des. 72,833; June 14.
Lighting fixtures, Arm for. M. Klein. Des. 72,844; June 14.
Lighting fixtures, Attaching bracket for. R. W. Schweiker. 1,632,510; June 14.
Lighting fixtures, Bracket back for. M. Klein. Des. 72,836; June 14.
Lighting fixtures, Bracket back for. M. Klein. Des. 72,838; June 14.
Lighting fixtures, Bracket back for. M. Klein. Des. 72,841–2; June 14.
Lighting fixtures, Bracket back for. M. Klein. Des. 72,847; June 14.
Lighting fixtures, Bracket back for. M. Klein. Des. 72,849; June 14.
Lighting fixtures, Canopy for. M. Klein. Des. 72,834; June 14.
Lighting fixtures, Ceiling plate for. J. A. Boehringer. Des. 72,813; June 14.
Lighting fixtures, Loop for. J. A. Boehringer. Des. 72,814–15; June 14.
Lighting fixtures, Plate for. M. Klein. Des. 72,845; June 14.
Line-casting machine. I. T. Remas. 1,632,350; June 14.
Line-chalking device. W. S. Myers. 1,632,711; June 14.
Lip-stick holder. C. L. Marcus. Des. 72,864; June 14.
Lip-stick holder. A. H. Noble. 1,632,764; June 14.
Lip-stick holder. A. H. Noble. 1,632,765; June 14.
Liquid-dispensing device. E. H. Mickelson and E. K. Skoaberg. 1,632,614; June 14.
Liquid dispensing tank. L. S. Henwood. 1,632,289; June 14.
Liquids, Device for separating and straining. J. Šedivá. 1,632,511; June 14.
Lock: *See*—
Automobile lock. Stove lock.
Carburetor lock. Trunk lock.
Lock. G. S. Hill and A. C. Saxton. 1,632,073; June 14.
Locomotive and similar vehicle, Turbine-driven. F. Ljungström. 1,632,707; June 14.
Locomotive having combined internal-combustion and electric propulsion system. E. Zbinden. 1,632,209; June 14.
Locomotives, Condenser plant for. C. Roglvue. 1,632,624; June 14.
Locomotives, Exhaust and separator system for. G. H. Zouck. 1,632,107; June 14.
Loom temple. F. K. Sparling. 1,632,351; June 14.
Looms, Let-off means for. J. S. Todd. 1,632,205; June 14.
Loose-leaf holder. R. M. Van Valkenburgh. 1,632,459; June 14.
Loving cup. E. Magnussen. Des. 72,863; June 14.
Lubricant supply installations, Element of. J. Bijur. 1,632,774; June 14.
Lubricating installation. J. Bijur. 1,632,771; June 14.
Lubricating installations, Terminal construction for central. E. J. Bloom. 1,632,724; June 14.
Lubricating insulation. J. Bijur. 1,632,775; June 14.
Lubricating system. G. L. Moore. Re16,655; June 14.
Lubrication, Supply installation for central chassis. J. Bijur. 1,632,773; June 14.
Lubrication, Supply installation for central chassis. J. Bijur. 1,632,776; June 14.
Lubricators, Valved coupling for. H. H. Houghton. Re16,650; June 14.
Machine-control apparatus. L. Roebel. 1,632,417; June 14.
Magnesium chromates, Preparation of. G. Kränzlein and A. Voss. 1,632,239; June 14.
Magnetic material and producing it. L. Zickrick. 1,632,105; June 14.
Manure, Machine for spreading artificial. H. Schnath. 1,632,199; June 14.
Marine-compass bracket. P. C. Kauffman. Des. 72,829; June 14.
Mask. E. I. McKesson. 1,632,449; June 14.
Mat for hot plates, Decorate luncheon. M. Tannenholz. Des. 72,876; June 14.
Matrix scorcher. J. W. Fitzsimmons. 1,632,646; June 14.
Matter, Composition of. G. E. Messinger. 1,632,555; June 14.
Measuring instrument, Electric. T. A. Rich. 1,632,623; June 14.
Measuring maximum current. I. Ikeda. 1,632,136; June 14.
Meats, Canning. C. A. Sahlberg. 1,632,454; June 14.
Mechanical movement. A. E. Norris. 1,632,038; June 14.
Medicaments from receptacles or containers and applying them to the body, Withdrawing small quantities of. R. M. Withycombe. 1,632,686; June 14.
Melting furnace. W. H. Chenowith and G. C. Schimpf. 1,632,366; June 14.
Merchandise, Article of. R. Paulus and P. Tilrik. 1,632,673; June 14.
Metal-casting apparatus. A. Forrest and G. M. Smith. 1,632,469; June 14.
Metal transom cushion-block container. S. E. Turner. 1,632,523; June 14.
Meter: *See*—
Demand meter. Water meter.
Meters, Attachment for electric-current demand. W. H. Sommer. 1,631,987; June 14.
Milk cooler. G. V. Millar. 1,632,494; June 14.
Mill and rolling structural shapes, Continuous. W. L. Jones. 1,632,295; June 14.
Mineral separator. R. S. Baldwin and W. A. Johnston. 1,632,210; June 14.
Mirror. H. H. Kirk-Schneider. 1,632,236; June 14.
Mixer: *See*—
Vibratory mixer.
Mold: *See*—
Tire mold.
Molding machine, Concrete. W. Graham. 1,632,286; June 14.
Mop and wringer, Combined. B. Gershovitz. 1,632,470; June 14.
Mosaic work, Wooden. E. A. Noël. 1,632,497; June 14.
Motor: *See*—
Electric motor. Row-boat motor.
Induction motor. Spring motor.
Motor control. B. W. Jones. 1,632,603; June 14.
Motors, Adjustable support for electric. O. B. Woodrow. 1,632,261; June 14.
Motors, Antifreezing water heater for internal-combustion. G. Manassero. 1,632,658; June 14.
Motors, Ignition plug for internal-combustion. C. A. Rudqvist. 1,632,314; June 14.

Motors, Switching and starter apparatus of electric. H. O. Bree. 1,632,534; June 14.
Moving sign. M. Sachs and S. Fliederbaum. 1,632,315; June 14.
Multiplication system, Frequency. K. Schmidt. 1,632,626; June 14.
Musical bar. H. E. Winterhoff. 1,632,751; June 14.
Musical instrument. R. B. Richmond. 1,632,197; June 14.
Nailing machine, Box-. R. F. Kurz. 1,632,085; June 14.
Nails, brads, or the like from wire, rod, or the like, Machine for manufacturing. F. Humphris. 1,632,703; June 14.
Nozzle, Douche. A. J. D. Cortes. 1,632,541; June 14.
Nozzle, Intake. H. E. Rhoads. 1,632,196; June 14.
Nuts, cereals, and legumes, Process of and apparatus for separating, cleaning and grading all kinds of. H. M. Sutton and W. L. and E. G. Steele. 1,632,520; June 14.
Oil burner. A. E. Grant. 1,632,402; June 14.
Oil burner. E. A. Skylepal. 1,632,646; June 14.
Oil friction brake. F. R. and D. E. Yeary. 1,632,425; June 14.
Oil-gas apparatus. E. Cameron. 1,632,432; June 14.
Oil-level regulator. R. E. Borbeck and G. C. Truman. 1,632,215; June 14.
Oil purifier. I. L. Eastman. 1,632,001; June 14.
Oil tank. C. A. Glass. 1,631,959; June 14.
Oil wells, Safety cap for. F. M. Mechling. 1,632,661; June 14.
Oiling device. T. Miller. 1,632,741; June 14.
Optical instrument, Coin-controlled. H. M. Johnson. 1,632,377; June 14.
Ore crusher. T. Freiberg. 1,632,124; June 14.
Ores, Concentration of metalliferous. T. R. Simpson. 1,632,419; June 14.
Organs, Cipherless device for pipe. G. H. Kloehs. 1,632,657; June 14.
Oscillation generating and supply system. A. M. Curtis. 1,632,389; June 14.
Oscillation generator. J. T. L. Brown. 1,632,054; June 14.
Ovens, Humidifier for. S. Mayer and H. Nahrstedt. 1,632,402; June 14.
Pad: *See*—
Fruit-container pad.
Paints and stains, Producing. G. W. Carver. 1,632,365; June 14.
Paper-cutting machine. F. Lerner. 1,632,378; June 14.
Paper sheets, Machine for superimposing. P. J. Christman, jr., 1,632,433; June 14.
Paying compositions, Forming. C. Swan. 1,632,456; June 14.
Pen and pencil, Fountain. P. S. Morris. 1,632,710; June 14.
Pencil. G. W. Gilman. 1,632,371; June 14.
Percussion implement, Rotary. G. E. Wagner. 1,632,255; June 14.
Petrol, Production of. F. Tinker. 1,632,011; June 14.
Phenolic condensation products A. L. Brown. 1,632,113; June 14.
Phonic diaphragm. H. C. Harrison. 1,632,068; June 14.
Phonograph repeater. H. House. 1,632,477; June 14.
Phosphorescent and waterproof composition, Luminous. H. von Uffel. 1,632,766; June 14.
Photographer's light-distributing means. E. V. King. 1,632,606; June 14.
Photographic copies by reversal, Making. A. Miller. 1,632,740; June 14.
Photographs, Device for taking. E. von Schubert. 1,632,770; June 14.
Photography, Method and apparatus for producing variable image effects in. L. F. Douglass. 1,632,221; June 14.
Picture frame. J. T. Johnson. 1,632,138; June 14.
Pictures by electricity, Transmission of. H. E. Ives. 1,631,963; June 14.
Pin. G. A. Waters. 1,632,386; June 14.
Pin fastener. E. Horton. 1,632,338; June 14.
Pipe: *See*—
Smoking pipe.
Pistons and connecting rods, Connection for. A. C. Webster. 1,632,049; June 14.
Pitman boxing. H. L. and L. A. Hunt. 1,632,480; June 14.
Plaster block and partition construction formed thereof. F. M. Venzie. 1,632,323; June 14.
Plastic material, measuring device for. C. N. Bergmann and E. Z. and C. Taylor. 1,632,165; June 14.
Plate. E. M. Bottome. Des. 72,816; June 14.
Plow. W. J. Cloer. 1,632,388; June 14.
Plow. G. F. Muehlhause. 1,632,345; June 14.
Plows, Depth adjuster for. W. S. Graham. 1,632,128; June 14.
Plug, Plural. C. E. Warner. 1,631,995; June 14.
Plug, Snap. G. A. Hayward. 1,632,599; June 14.
Plugs, Making strainer. J. H. McEvoy, jr. 1,632,000; June 14.
Pocket. Combination safety and pencil. J. I. McDonald. 1,632,660; June 14.
Pocket stand. O. Stumpf. 1,632,717; June 14.
Powder feeder. W. Mauch. 1,632,659; June 14.
Power press. Z. P. Candee. 1,632,462; June 14.
Preserving fruit. W. B. McLaughlin. 1,631,974; June 14.
Press: *See*—
Power press.
Press. F. B. Keall. 1,632,235; June 14.
Pressing-machine mechanism, Triple tandem. A. B. Clisson. 1,632,463; June 14.
Pressure-regulator casing. R. J. Kehl. Des. 72,830; June 14.
Projectiles, Universal system of identification markings for. S. Wiley. 1,632,156; June 14.
Propeller. O. A. Honkanen. 1,632,292; June 14.
Protective device. G. P. Wennemer. 1,632,050; June 14.
Protective system. R. Willhelm. 1,632,573; June 14.
Protractor, Engineer's. D. C. Lopez. 1,632,613; June 14.
Pulley. A. A. Serva. 1,632,512; June 14.
Pulp from fibrous material, Process and apparatus for making. F. K. Fish, jr. 1,632,467; June 14.
Pump. S. Larson. 1,632,020; June 14.
Pump for viscous liquids. J. A. Maurer. 1,632,304; June 14.
Pump jack. E. E. Kinsey. 1,632,296; June 14.
Pump or impeller. H. White. 1,632,357; June 14.
Pump, Reciprocating. L. Dinesen. 1,632,436; June 14.
Pumps, Traveling valve for oil-well. W. Bradley. 1,632,216; June 14.
Purse and like receptacle. W. C. Hiering. 1,632,337; June 14.
Quoin. H. H. Strait. 1,632,422; June 14.
Rack: *See*—
Drying rack.
Radiant heater. L. S. Lawson. Des. 72,860; June 14.
Radiator, Crescent. J. H. Cross. 1,632,000; June 14.
Radiator mount. J. W. Heiney. 1,631,961; June 14.
Radio apparatus, Grid leak for. R. E. Marbury. 1,632,089; June 14.
Radio receiving apparatus. G. W. Wacker. 1,631,993; June 14.
Radiorecorder. H. P. Sparkes. 1,632,150; June 14.
Radio signaling system. A. Crossley. 1,632,369; June 14.
Rail joint. O. L. Williams. 1,632,359; June 14.
Rail support. G. Michalek. 1,632,662; June 14.
Rails, Securing means for. S. Kien. 1,632,605; June 14.
Railway crossing. J. W. Brown. 1,632,725; June 14.
Railway signal torpedo. J. W. Edmands. 1,632,464; June 14.
Railway system, Electric. J. A. Jackson. 1,632,653; June 14.
Railway-tie truss. J. E. Feagans. 1,632,466; June 14.
Railway-traffic-controlling apparatus. F. H. Nicholson. 1,632,037; June 14.
Receptacle and blank therefor. C. Barbieri. 1,632,019; June 14.
Receptacle, Metal. S. Hammer. 1,632,702; June 14.
Receptacle, Metal. S. Hammer. 1,632,733–4; June 14.
Receptacle, Metal. S. Hammer. 1,632,762; June 14.
Receptacle, Trash. J. E. F. Dillon. 1,632,542; June 14.
Recorder: *See*—
Radio recorder.
Recorder and regulator, High-temperature vapor-pressure. K. L. Tate. 1,632,152; June 14.
Reel: *See*—
Fishing reel.
Refrigerating machine of the absorption type. I. Amundsen. 1,632,387; June 14.
Refrigerating system, Intermittent-absorption. H. F., E. J., and B. G. Gellenbeck. 1,632,701; June 14.
Register: *See*—
Autographic register.
Regulator: *See*—
Air-pressure regulator. Governor regulator.
Boiler regulator. Oil-level regulator.
Fluid-pressure regulator. Speed regulator.
Regulator. L. Campbell, jr. 1,632,055; June 14.
Regulator. J. G. Ferguson. 1,632,062; June 14.
Relay. E. G. Johnson. 1,632,186; June 14.
Relay, Pneumatic. E. W. Gent. 1,631,958; June 14.
Resilient wearing surface. J. W. Fellows. 1,632,395; June 14.
Retainer. W. E. Clark. 1,632,761; June 14.
Rheostats, Terminal for. G. H. Whittingham. 1,632,358; June 14.
Rim-rolling machine. E. J. Peterson. 1,632,560; June 14.
Rim stretcher, Ophthalmic-. N. M. Baker. 1,632,266; June 14.
Rims, and making the same, Joint for split. E. R. Jacobi. 1,632,550; June 14.
Road maintainer and grader. J. H. Welsh. 1,632,685; June 14.
Rod: *See*—
Welding rod.
Roost, Poultry. L. J. Kalvig. 1,632,234; June 14.
Rope to skip buckets and counterweights, Fastening hoisting. H. E. Birch. 1,632,755; June 14.
Rosin dipper. E. A. Smith. 1,632,247; June 14.
Rotary crossover switch. C. L. Moon. 1,632,558; June 14.
Rotary sprinkler. L. E. Holland. 1,632,229; June 14.
Roundabout and like amusement apparatus. R. Blackburn. 1,632,692; June 14.
Router bit, Clean-out. J. M. Follett and L. Lehner. 1,632,440; June 14.
Rowboat motor. A. P. Knauber. 1,632,444; June 14.
Rubber latex, Treating. E. Hopkinson and W. A. Gibbins. 1,632,759; June 14.
Rubber vulcanization and products thereof. S. B. Molony and Y. Nikaido. 1,632,617; June 14.

Rubber vulcanization and product thereof. S. B. Molony and Y. Nikaido. 1,632,666–7; June 14.
Rule, Slide. H. Ritow. 1,632,505; June 14.
Safe-locking mechanism. W. T. Benham and J. E. Dwyer. 1,632,428; June 14.
Sand, Apparatus for cutting and mixing. V. E. Minich. 1,632,746; June 14.
Sash guide. T. W. Holt. 1,632,548–9; June 14.
Saw support, Undercutting-. A. Dahlman. 1,632,727; June 14.
Sawmill carriage. P. F. Lueth. 1,632,708; June 14.
Saxophones, Key device for. F. L. Lemm. 1,632,008; June 14.
Screen: *See*—
Window screen.
Screen and washer, Coal. W. F. Martin. 1,632,739; June 14.
Seal, Liquid and mechanical. E. E. Bartels. 1,632,213; June 14.
Searchlight. T. Hall. 1,632,131; June 14.
Separator: *See*—
Mineral separator. Steam separator.
Shackle bolt. J. Midgley. 1,632,663; June 14.
Shade guide. E. E. Minard. 1,632,742; June 14.
Shade holder. L. C. Doane. 1,632,391; June 14.
Shaper. R. T. Hazelton. 1,632,375; June 14.
Sharpener, Drill. A. E. Peters. 1,632,621; June 14.
Shears. A. Gardiner. 1,632,284; June 14.
Shears. C. H. Wilkes and G. E. Calhoun. 1,632,525; June 14.
Shipping box for chicks, etc., Feeder. K. I. Miller. 1,632,033; June 14.
Shipping tag. W. G. Jopson. 1,632,082; June 14.
Shock absorber. D. C. Rodgers. 1,632,715; June 14.
Shock-resisting glass. W. C. Ball. 1,632,363; June 14.
Shocker. J. A. Richardson. 1,632,043; June 14.
Shoe and welt therefor, Welted. A. Dvilnsky. 1,632,768; June 14.
Shoe, Child's. T. W. Brockel and P. F. Ebling. 1,632,430; June 14.
Shoes and the like, Fastening device for. J. R. Gammeter. 1,632,064; June 14.
Sickle hooks, Manner of making. M. R. Berger. 1,632,327; June 14.
Signal: *See*—
Traffic signal. Vehicle signal.
Signaling. R. C. Mathes. 1,631,976; June 14.
Signaling, Secret. R. E. Coram. 1,632,058; June 14.
Signaling, Secret. J. C. Schelleng. 1,632,099; June 14.
Signaling system. L. E. Coon. 1,632,057; June 14.
Signaling system. A. M. Curtis. 1,632,275; June 14.
Signaling system. J. S. Jammer. 1,632,078; June 14.
Signaling system. F. Zogbaum. 1,632,106; June 14.
Signaling transmitter. E. E. Kleinschmidt. 1,632,298; June 14.
Skins and leather, Apparatus for stretching. I. M. Jones. 1,632,551; June 14.
Skywriting, Apparatus for. E. Thoresen. 1,632,153; June 14.
Slack adjuster, Automatic. H. A. Leonhauser. 1,631,969; June 14.
Slicing-machine knives, Sharpening device for. P. J. Lucey. 1,632,088; June 14.
Smoker's stand and magazine rack, Combined. F. B. Cushman. Des. 72,820; June 14.
Smoking pipe. E. W. Swartwout. 1,632,100; June 14.
Snubber, Hydraulic. A. L. Poudrier. 1,632,041; June 14.
Sound-producing device. F. J. and W. L. Kaehni. 1,632,408; June 14.
Sound reproducer, Electromagnetic. H. C. Hayes. 1,632,332; June 14.
Sound-reproducing mechanism, Adjusting means for. C. E. Pearson. 1,632,416; June 14.
Speed and direction indicator. C. Cobb and C. C. Marshall. 1,632,643; June 14.
Speed-control system. L. Schombourger. 1,632,627; June 14.
Speed-control system. W. Seiz. 1,632,682; June 14.
Speed regulator. K. Schmidt. 1,632,565; June 14.
Speeding reactions, Apparatus for. H. B. Kipper. 1,632,340; June 14.
Spike, Railway. C. W. Jones and R. R. Gordon. 1,632,294; June 14.
Spinning mechanisms, Lubricating and protecting means for. G. F. MacFarlane. 1,631,973; June 14.
Spoon or similar article. F. S. Trumbull. Des. 72,877; June 14.
Spotlights and the like, Controlling switch for. E. G. K. Anderson. 1,632,754; June 14.
Sprayer. H. A. Chaffin and F. C. Holmes. 1,632,218; June 14.
Sprayer. W. M. Smith. 1,632,515; June 14.
Spraying machine. D. W. Smith. 1,632,047; June 14.
Spring: *See*—
Tube spring.
Spring governor. T. F. Williams. 1,632,257; June 14.
Spring motor. J. Buttigieg. 1,632,693; June 14.
Sprinkler: *See*—
Rotary sprinkler. Traveling sprinkler.
Stamp-canceling machine. J. W. Eskholme. 1,632,281; June 14.
Stamped figures, Production of. J. McGreevy. 1,632,305; June 14.
Stand: *See*—
Pocket stand.
Starting device. U. S. Geiger. 1,632,399; June 14.
Station indicator. G. W. Farmer. 1,632,465; June 14.
Steam, Arrangement or system for the generation of. W. Abendroth. 1,632,575; June 14.
Steam-boiler feed. N. E. Lewis. 1,632,301; June 14.
Steam generator. W. B. Ewing. 1,632,438; June 14.
Steam separator. F. F. Emory. 1,632,280; June 14.
Steamship-driving mechanism. A. Fletcher, jr., and J. A. Capstaff. 1,632,543; June 14.
Steel retainer. C. C. Hansen. 1,632,373; June 14.
Sterilizer, Receptacle. C. Braun. 1,632,588; June 14.
Stock-fitting machine. J. E. Jackson. 1,632,232; June 14.
Stocking. I. Patterson. Des. 72,805; June 14.
Stoker, Forced-draft. A. P. Strong. 1,632,423; June 14.
Stoker-ram drive. D. F. Grahame. 1,632,401; June 14.
Storing drying oils. E. M. S. Chandler. 1,631,999; June 14.
Stove. J. Crain. 1,632,176; June 14.
Stove lock, Safety gas. G. Bevilacqua. 1,632,111; June 14.
Stove top, Nonwarping. G. Douglas. 1,632,060; June 14.
Strainer and dirt collector. M. Denney. 1,632,699; June 14.
Strip sheets, Making. H. M. Naugle and A. J. Townsend. Re16,652; June 14.
Structural surfaces, Coating. J. H. Wootton. 1,632,752; June 14.
Stuffing box. J. G. Johnson. 1,632,293; June 14.
Submarine sound receiver. H. C. Hayes. 1,632,331; June 14.
Sweater. J. P. Nissen. 1,632,346; June 14.
Switch: *See*—
Electric switch. Rotary crossover switch.
Electric socket switch. Trolley switch.
Instantaneous switch.
Tables, Attachment for chiropractic. D. D. Evins. Re16,653; June 14.
Tag and tag holder, Price. C. E. Brigel. 1,632,537; June 14.
Tank: *See*—
Liquid-dispensing tank. Oil tank.
Tanks, Valve guide for flushing. C. M. Smith. 1,632,631; June 14.
Tape, Affixing reenforcing. L. H. Hartman. 1,632,005; June 14.
Telegraph transmitting instrument. W. D. Cooper. 1,632,273; June 14.
Telegraphy, Electric transmitter for use in automatic. F. G. Creed. 1,632,274; June 14.
Telegraphy, Printing. E. E. Kleinschmidt. 1,632,297; June 14.
Telephone-exchange system. W. W. Carpenter. 1,632,056; June 14.
Telephone receiver. R. Nordenswan. 1,631,978; June 14.
Telephone receiver, Loud-speaking-. G. J. Zisch. 1,632,426; June 14.
Telephone system. C. B. Fowler. 1,632,063; June 14.
Telephone system. A. E. Hague. 1,632,066; June 14.
Telephone system. L. F. Porter. 1,631,981; June 14.
Telephone system. W. Whitney. 1,632,051; June 14.
Telephone system, Automatic. G. E. Dustin. 1,632,025; June 14.
Telephone system, Automatic. C. E. Lomax. 1,632,009; June 14.
Telephone system, Automatic. F. Lubberger. 1,632,010; June 14.
Telephone system, Automatic. F. Lubberger and E. Hahn. 1,632,343; June 14.
Telephone system, Automatic. C. A. Morton. 1,632,035; June 14.
Teletype machines, Optical receiver for. B. Belin. 1,632,163; June 14.
Tennis nets and the like, Apparatus for supporting lawn-. M. R. Lane. 1,632,553; June 14.
Testing device. A. S. Bertels. 1,632,053; June 14.
Testing device. R. E. Wilson. 1,632,259; June 14.
Testing system. J. W. Van de Water and B. R. Blair. 1,632,048; June 14.
Thermostatic apparatus. J. Němec. 1,632,144; June 14.
Thermostatic control mechanism. V. Weber and E. G. Price. 1,632,355; June 14.
Ticket and securing means therefor. M. B. Behrman. 1,631,954; June 14.
Time-lock mechanism. W. T. Benham and J. E. Dwyer. 1,632,429; June 14.
Timer, Spark. A. R. Mosier. 1,632,413; June 14.
Tire. T. S. Caldwell. Des. 72,819; June 14.
Tire. W. R. Gilliam. Des. 72,825–6; June 14.
Tire. W. C. Martin. 1,632,489; June 14.
Tire. B. H. Pratt. Des. 72,868; June 14.
Tire-building machines, Strip-applying attachment for. C. W. Steele. 1,632,151; June 14.
Tire casings, Flexible spotter for repairing. E. A. Hubbard. 1,632,651; June 14.
Tire-inflation mechanism. E. M. Morley. 1,632,619; June 14.
Tire mold. J. C. Paynter. 1,632,310; June 14.
Tire, Pneumatic. S. A. Steere. 1,632,201; June 14.
Tire-repair scraper. R. W. Fox. 1,632,544; June 14.
Tire-tread-applying machine. H. O. Hutchens and A. R. Krause. 1,632,652; June 14.
Tire, Wheel. N. Gherassimoff. 1,632,731; June 14.
Tires, Interliner for pneumatic. R. H. Mullineaux. 1,632,496; June 14.

Tires, Manufacturing cushion. W. C. Martin. 1,632,490; June 14.
Toaster. H. Ostermann. 1,632,192; June 14.
Tobacco, Growing. G. H. Malott. 1,632,241; June 14.
Tobacco-stripping machine. J. T. Dalton and B. W. Corson. 1,632,177; June 14.
Toilet article. J. W. Dougherty and W. E. Townley. 1,632,392; June 14.
Toilet cover, Sanitary. W. Stelzer. 1,632,455; June 14.
Token system. W. S. Roberts. 1,632,246; June 14.
Tool, Circular forming. H. Zeidler. 1,632,528; June 14.
Tool container. W. C. Clifford. 1,632,172; June 14.
Tool, Garden. R. B. Woodall. 1,632,260; June 14.
Tool, Rim. P. Olabarria. 1,632,191; June 14.
Tool, Rim. E. F. Starke. 1,632,248; June 14.
Tool, Welding. R. Mattice. 1,632,411; June 14.
Tooth-paste holder. H. Lilliford. 1,632,087; June 14.
Toothbrush. W. H. Vatcher. 1,632,102; June 14.
Toy automobile. O. Hiltt. Des. 72,828; June 14.
Toy, Detonating. H. Foerster. 1,632,179; June 14.
Toy electric range. R. Kjenig. 1,632,445; June 14.
Toy film burster, Sounding-. L. H. Strayer. 1,632,518; June 14.
Toy, Inflatable. R. B. Weimer. 1,632,356; June 14.
Toy, Movable feature figure. J. L. Centlivere. 1,632,272; June 14.
Toy, Rocking. A. Sundbeck. Des. 72,874–5; June 14.
Toy set. J. Forchheimer. 1,632,441; June 14.
Toy vehicle. S. M. Mourer. 1,632,308; June 14.
Toy, Wheeled. T. E. Powers. Des. 72,866–7; June 14.
Trace carrier. S. J. Colton. 1,632,368; June 14.
Tractor hitch. W. E. Schultger. 1,632,509; June 14.
Tractor, Tread-belt. E. Pearson. 1,632,674; June 14.
Tractors, Attachment for. L. S. Phelps. 1,632,311; June 14.
Tractors, Drawbar attachment for. R. C. Hawkins. 1,632,070; June 14.
Traffic-controlling apparatus, Railway-. C. R. Beall. 1,632,162; June 14.
Traffic-controlling apparatus, Railway-. R. A. McCann. 1,632,189; June 14.
Traffic signal. L. E. Baltzley. 1,632,211; June 14.
Traffic signal for street crossings, Automatic. M. L. Crawford. 1,632,698; June 14.
Train-pipe coupling, Automatic. J. Robinson. 1,632,714; June 14.
Transformer. C. Bergman. 1,631,955; June 14.
Transformer, Amplifying. C. H. Thordarson. 1,632,101; June 14.
Transformer winding. J. F. Peters. 1,632,097; June 14.
Transmission. G. B. Coleman. 1,632,696; June 14.
Transmission, Automatic. G. B. Coleman. 1,632,694–5; June 14.
Transmission circuits. D. F. Whiting. 1,632,104; June 14.
Transmission-housing cover-locking means. C. L. Johnson. 1,632,656; June 14.
Transmission mechanism, Motor-vehicle. J. A. Stumpenhorst. 1,632,634; June 14.
Transportation system. H. E. Taylor. 1,632,569; June 14.
Traveling sprinkler. W. C. Todd and J. W. Pomeroy. 1,632,353; June 14.
Trimmer: *See*—
Lawn trimmer. Lawn-edge trimmer.
Trolley switch. C. L. Moon. 1,632,557; June 14.
Truck brake, Warehouse-. J. H. Brown. 1,632,217; June 14.
Truck for transporting valuables, Armored. C. H. Wilson. 1,632,360; June 14.
Truck, Guiding. C. Jablow. 1,632,077; June 14.
Trunk lock. M. Rasmussen. 1,632,195; June 14.
Truss, Rupture or hernia. E. Giffhorn. 1,632,065; June 14.
Tube: *See*—
Vacuum tube. X-Ray tube.
Tube mills, etc., Liner for. P. T. Lindbard. 1,631,971; June 14.
Tube mills, Liner for. P. T. Lindbard. 1,631,972; June 14.
Tube spring, Bourdon-. J. C. Shaw. 1,632,749; June 14.
Tubes, Apparatus for producing pneumatic. W. L. Fairchild. 1,632,394; June 14.
Tubes, Determining inequalities in wall thickness of. F. A. Hubbard. 1,632,076; June 14.
Tubular articles from pulpous material, Producing. C. H. Franks. 1,632,398; June 14.
Turbine, Internal-combustion. F. Wondra. 1,632,157; June 14.
Turbines, Stationary guide-nozzle construction and assembly for. F. Lösel. 1,632,448; June 14.
Typewriting machine. R. J. Lewis. 1,631,970; June 14.
Typewriters, Manifolding attachment for. H. M. Armistead. 1,632,362; June 14.
Typewriters, Variable-spacing platen clutch for. H. M. Armistead. 1,632,361; June 14.
Umbrella, Pocket. A. Weise. 1,632,639; June 14.
Underwear, Shoulder strap for ladies'. O. Schweigert. 1,632,716; June 14.
Union, Adjustable. E. Price and W. A. Pfister. 1,632,042; June 14.
Universal joint. A. Y. Dodge. 1,632,121; June 21.
Universal joint. G. J. Thomas. 1,632,202; June 14.
Urn. H. H. Schott. Des. 72,872; June 14.
Vacuum tube. L. E. Mitchell and A. J. White. 1,632,615; June 14.
Valve. T. W. Demarest. 1,632,220; June 14.
Valve, Check. A. P. Treadwell and J. Flournoy. 1,632,636; June 14.
Valve for locomotives, cylindrical. E. M. Shannon. 1,632,629; June 14.
Valve for soda fountains. Carbonated-water cut-off. O. Sasser. 1,632,625; June 14.
Valve for use in fish stalls and like places, Automatic. F. M. Spurr. 1,632,516; June 14.
Valve mechanism for dispensing fluids. N. M. Patrick and P. W. Horn. 1,632,501; June 14.
Valve, Mixing. G. J. Morris. 1,632,450; June 14.
Valve, Pneumatic. G. M. O. Jenkins. 1,632,079; June 14.
Valve, Pressure-regulating. W. C. Heydecker, jr. 1,632,406; June 14.
Valve-seat cutter. E. Tyden. 1,632,354; June 14.
Valve-spring compressor. C. Haya and W. M. Thomas. 1,632,288; June 14.
Valve, Triple. C. A. Campbell. 1,632,756–7; June 14.
Vanity box. A. S. Lybne. 1,632,410; June 14.
Vanity case. N. Kasdan and D. Pollack. 1,631,964; June 14.
Vapor cooling system. L. P. Barlow. 1,632,580; June 14.
Vapor cooling system. L. V. Grantier. 1,632,596; June 14.
Vaporization end point, Method and apparatus for determining equilibrium. C. E. Parsons and R. Stevenson. 1,632,748; June 14.
Vegetable cleaner. H. W. Meyer. 1,632,142; June 14.
Vehicle. A. W. Harrison. 1,632,405; June 14.
Vehicle signal. E. Anderson. 1,632,689; June 14.
Vehicle wheel. C. B. Allen. 1,632,427; June 14.
Vehicle wheel. E. C. Winters. 1,632,527; June 14.
Vehicles, Convertible seat for motor. T. G. Johnson. 1,632,233; June 14.
Vehicles, Final drive for. G. Wirrer. 1,631,996; June 14.
Vehicles, Multiwheel drive for. A. F. Masury and C. Froesch. 1,631,975; June 14.
Vehicles, Short-turn device for motor. W. E. Mitchell. 1,632,665; June 14.
Vehicles, Side windshield for. C. A. Sayers. 1,632,564; June 14.
Vehicles, Steering mechanism for. O. F. Warhus. 1,632,460; June 14.
Velocipede. W. W. and W. V. Morrill. 1,632,092; June 14.
Ventilator canopy. R. E. Peck. 1,632,381; June 14.
Vessels, Closure for. A. Mauser. 1,632,031; June 14.
Vibratory mixer. F. W. Wallace. 1,632,718; June 14.
Violin bows, Finger grip for. J. Gaynor. 1,632,003; June 14.
Vise. J. Brogden. 1,632,538; June 14.
Visor, Automobile windshield. O. E. Grigsby. 1,632,474; June 14.
Waffle iron. A. H. Simmons. 1,632,630; June 14.
Wagons, Steering mechanism for coaster. E. S. Showers. 1,632,384; June 14.
Wall bracket. M. Klein. Des. 72,835; June 14.
Wall bracket. M. Klein. Des. 72,837; June 14.
Wall bracket. M. Klein. Des. 72,840; June 14.
Wall bracket. M. Klein. Des. 72,846; June 14.
Wall bracket. M. Klein. Des. 72,848; June 14.
Wall bracket. M. Klein. Des. 72,850–1; June 14.
Wall-building device. G. J. Seller. 1,632,514; June 14.
Wall furnace. J. S. Andrews. Re16,657; June 14.
Wall panel. R. M. Brown. 1,632,431; June 14.
Warm-air generator. C. A. Stoll. 1,632,250; June 14.
Warp beams, Warp-end holder for. A. A. Gordon. 1,632,472; June 14.
Washer-drive mechanism. H. W. Mitchell. 1,632,091; June 14.
Washing machine. J. S. Jenks. 1,632,407; June 14.
Washing machines, Eccentric driving mechanism for power. H. J. Criner. 1,632,118; June 14.
Washing machines, Holder for. F. A. Hoffer. 1,632,735; June 14.
Watch straps, Connecter for wrist-. W. A. Davis. 1,632,178; June 14.
Water barrier. W. H. Gillen. 1,632,545; June 14.
Water meter. W. L. Marden. 1,632,554; June 14.
Water softeners, Control mechanism for. L. G. Lindsay. 1,632,610; June 14.
Wave lengths, Adjustment of. G. H. Clark. Re16,651; June 14.
Wave-transmission system. R. V. L. Hartley. 1,632,069; June 14.
Wave transmission system, Two-way. J. F. Farrington. 1,632,282; June 14.
Waxer and polisher. J. S. Judge. 1,632,481; June 14.
Weighing machine, Automatic liquid-. J. J. Fortier. 1,631,957; June 14.
Weighing mechanism, Recording. J. Holm. 1,632,006; June 14.
Welding rod. J. B. Green. 1,632,546; June 14.
Well-casing cutter. E. Ventresca. 1,632,015; June 14.
Well-drilling apparatus, Rotary. E. A. Reed. 1,632,713; June 14.
Well-sealing device. H. H. Breene. 1,632,271; June 14.
Wheel: *See*—
Automobile wheel. Vehicle wheel.
Last-scouring wheel.

Wheel-hub construction. J. Bingham. 1,632,214; June 14.
Wheel rims, Device for expanding. W. A. Anderson. 1,632,263; June 14.
Winders, Stop motion for. E. H. Ryon. 1,632,507; June 14.
Winding machine. W. G. Houskeeper. 1,632,075; June 14.
Windmill. L. S. Stripling. 1,632,322; June 14.
Windmill construction. H. M. Loeber. 1,632,188; June 14.
Window construction. W. Fairley. 1,632,700; June 14.
Window-lighting system. E. Vinogradov. 1,632,254; June 14.
Window screen. J. T. Cook. 1,632,022; June 14.
Window stop. C. T. Hansen. 1,632,132; June 14.
Window structure. E. C. Healy. 1,632,333; June 14.
Windows and the like, Automatic closer for. L. V. Blue. 1,632,532; June 14.
Windshield attachment. F. R. Rhodes. 1,632,679; June 14.
Wireless telephony and other purposes, Loud speaker for. P. Grassmann. 1,632,287; June 14.
Wire stretcher. L. C. Woodyard. 1,632,016; June 14.
Wood and the like, Preserving. C. Schantz. 1,632,508; June 14.
Woodworking machine, Cutter guard for dado. J. F. Wilson. 1,632,258; June 14.
Work-driving device. R. A. Ashton. 1,632,018; June 14.
Wrapping machine. F. E. Modlin. 1,632,344; June 14.
X-ray dental films, Machine or device for labeling. R. Torpin. 1,632,154; June 14.
X-ray tube. G. Holst and A. Bouwers. 1,632,230; June 14.

CLASSIFICATION OF PATENTS

ISSUED JUNE 14, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 3: 1,632,374
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90: 1,632,346
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187: 1,632,598
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June 21, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. C. S. Mfg. Co., The. (See Smith, Agnes C.)

Acme Ball-Bearing Company, Chappaqua, assignor to The Schatz Manufacturing Co., Poughkeepsie, N. Y. Ball-bearing casters. 63,387; renewed June 18, 1927.

Acme Cotton Products Co.; Inc., New York, N. Y. Sanitary napkins. 229,141; June 21; Serial No. 243,795; published Apr. 5, 1927.

Advance Neckware Co., New York, N. Y. Cravats, four-in-hand ties, bow ties, neckties. 229,277; June 21; Serial No. 243,918; published Apr. 12, 1927.

Aerator's Limited, London, England, and New York, N. Y., assignor to Sparklets, Incorporated, New York, N. Y. Compressed carbonic acid gas. 30,214; renewed June 15, 1927.

Alhpa Chemical Co. (See Paradis, Albani H.)

All Rite Company, The, Rushville, Ind. Electric pressing irons, soldering irons, sandwich machines, and steam tables. 229,335; June 21.

Aluminum Company of America, Pittsburgh, Pa. Paint pigments. 229,295–6; June 21; Serial Nos. 244,268–9; published Mar. 29, 1927.

American Chicle Company. (See Dunn, T. B., Company, assignor.)

American Circular Loom Company, New York, N. Y. Cables with nonmetallic protective covering used for electric wiring. 229,088; June 21; Serial No. 232,240; published Apr. 12, 1927.

American Finance & Commerce Company, San Francisco, Calif. Structural steel members. 229,134; June 21; Serial No. 243,680; published Apr. 5, 1927.

American Laundry Machinery Co., The, Cincinnati, Ohio. Drying machines and dry-cleaning machines. 229,275; June 21; Serial No. 243,839; published Apr. 12, 1927.

American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar. 30,046–56; renewed May 18, 1927.

American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Mangles. 66,120; renewed Nov. 12, 1927.

American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringers and mangles. 66,121; renewed Nov. 12, 1927.

American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Bench wringers. 66,122; renewed Nov. 12, 1927.

American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringers. 66,123–131; renewed Nov. 12, 1927.

Ansonia O & C Company, The, Ansonia, Conn. Wide elastic webbing. 229,116; June 21; Serial No. 244,594; published Apr. 12, 1927.

Archer, A. W., Co., Inc., New York, N. Y. Yarn and machine thread. 229,234; June 21; Serial No. 241,200; published Apr. 12, 1927.

Arco Company, The, Cleveland, Ohio. Lacquers. 229,122; June 21; Serial No. 243,078; published Mar. 29, 1927.

Arit, Anna H., Brooklyn, N. Y. Lip stick, depilatory, astringent lotion, almond cream, etc. 229,148; June 21; Serial No. 245,316; published Apr. 12, 1927.

Arvey Corporation, Chicago, Ill. Display easels and the like and parts thereof. 229,337; June 21.

Ashton Valve Company, The, Boston, assignor to The Ashton Valve Company, Cambridge, Mass. Pressure gauges, vacuum gauges, revolution counters, and stroke counters. 65,330; renewed Sept. 17, 1927.

Ashton Valve Company, The, Boston, assignor to The Ashton Valve Company, Cambridge, Mass. Valves. 65,468; renewed Oct. 8, 1927.

Atlantic Gypsum Products Company, Boston, Mass. Building blocks, partition tile, etc. 229,132; June 21; Serial No. 243,639; published Apr. 5, 1927.

Austin Clothing Company, Memphis, Tenn. Overcoats, coats, vests, pants, and overalls. 64,436; renewed Aug. 6, 1927.

Automotive Battery Corp., Chicago, Ill. Storage batteries, battery chargers, and parts thereof. 229,073; June 21; Serial No. 236,190; published Apr. 5, 1927.

Baker, Irving M., Denver, Colo. Ladies', misses', and children's hats. 229,165; June 21; Serial No. 244,912; published Apr. 12, 1927.

Baker, Mabel K., doing business as Colonial Candle Company of Cape Cod, Hyannis, Mass. Candles. 229,336; June 21.

Bakirgian, Garbis, Boston, Mass. Phonograph and talking machine records. 229,346; June 21.

Barker, Edna C., San Diego, Calif. Water colors, poster paints, and powdered colors sized. 229,242; June 21; Serial No. 241,567; published Mar. 29, 1927.

Barnet Leather Co., Inc., New York, N. Y. Leather. 229,278; June 21; Serial No. 243,919; published Apr. 5, 1927.

Bayer Company, Inc., The, New York, N. Y. Preparations or medicines for pains and aches of nervous or organic origin, etc. 229,153; June 21; Serial No. 244,738; published Apr. 12, 1927.

Bazley, Ernest S., doing business as The Bazley Market, Chicago, Ill. Bacon. 229,211; June 21; Serial No. 239,287; published Apr. 12, 1927.

Becker, Napoleon C. to W. J. Becker, doing business as Becker's Drug Store, Amsterdam, N. Y., successor. Medicinal plasters. 30,595; renewed Sept. 28, 1927.

Beckham Tire and Rubber Company, Atlanta, Ga. Patches for rubber tires. 229,201; June 21; Serial No. 234,020; published Apr. 12, 1927.

Behr & Hirtenstein, New York, N. Y. Manufactured articles of celluloid. 229,060; June 21; Serial No. 242,566; published Apr. 5, 1927.

Belmont Products Co., The, Martins Ferry, Ohio. Malt cereal beverage. 229,320; June 21.

Benedikt, H. S., Company, Inc., New York, N. Y. Clocks. 229,261; June 21; Serial No. 244,208; published Apr. 5, 1927.

Benjamin Pipe Company, Inc., New York, N. Y. Smoking pipes. 229,142; June 21; Serial No. 243,797; published Apr. 12, 1927.

Berberian, Levon, Boston, Mass. Cigarettes. 229,168; June 21; Serial No. 244,975; published Apr. 12, 1927.

Best & Co., Inc., New York, N. Y. Sewing baskets and kits, nursery baskets, etc. 229,078; June 21; Serial No. 227,291; published Apr. 12, 1927.

Betty Wales Inc., New York, N. Y. Hosiery, underwear, dresses, bonnets, trousers, rubber boots, etc. 229,180; June 21; Serial No. 226,937; published Apr. 12, 1927.

Bickmore Gall Cure Company, assignor to The Bickmore Company, Old Town, Me. Salves. 30,113; renewed June 1, 1927.

Bickum, Dorothy, New York, N. Y. Women's and misses' textile underwear. 229,069; June 21; Serial No. 242,332; published Apr. 12, 1927.

Birmingham Iron Foundry, Derby, Conn. Rubber mill machinery. 65,935; renewed Oct. 29, 1927.

Bisquit-Dubouché & Co., Cognac, France, to Bisquit-Dubouché & Co., Jarnac, France. Brandy. 30,022; renewed May 11, 1927.

Bisquit, Dubouché & Co., Cognac, France, to Bisquit, Dubouché & Co., Jarnac, France. Brandy. 30,241; renewed June 22, 1927.

Block, W. G., Company, Davenport, Iowa. Coal. 229,248; June 21; Serial No. 241,861; published Mar. 29, 1927.

Blodgett & Orswell Co., Pawtucket, R. I. Spool cotton or sewing thread. 66,019; renewed Nov. 5, 1927.

Bonhard, Henry C., doing business as Crow Stove Polish Company, Milwaukee, Wis. Stove polish. 62,495; renewed May 7, 1927.

Booth Fisheries Company. (See Northwestern Fisheries Company, assignor.)

Borck & Stevens Incorporated, Bridgeport, Conn. Bread, coffee cakes, rolls, etc. 229,102; June 21; Serial No. 242,061; published Apr. 5, 1927.

Boston Filter Company, Chelsea, Mass. Filters and purifiers and coolers. 229,333; June 21.

Bovinine Company, The. (See Hakka Chemical Company, assignor.)

Bucklen, H. E., & Company, Chicago, Ill., to H. E. Bucklen & Company, New York, N. Y. Salves. 64,460; renewed Aug. 6, 1927.

Burnett, Joseph, Company, Boston, Mass. Hairdressing, tooth wash, etc. 229,309; June 21; Serial No. 242,706; published Apr. 12, 1927.

Burnham & Morrill Company, Portland, Me. Canned vegetables. 229,315; June 21.

Burroughs Wellcome & Co. (U. S. A.) Inc. (See Wellcome, Henry S., assignor.)

Caledonia Cellulose Company, Inc., New York, N. Y. Sanitary napkins. 229,036; June 21; Serial No. 243,414; published Mar. 29, 1927.

Calhon Company, The, Minneapolis, Minn. Paints and varnishes. 229,329; June 21.

Card, J. M., Lumber Co., Chattanooga, Tenn. Rough and dressed lumber. 65,887; renewed Oct. 29, 1927.

Carlin, William D., doing business as Sug. R. Mint Co., Memphis, Tenn. Laxative. 229,314; June 21.

Carroon & Co., Fowler, Ind. Canned vegetables. 229,121; June 21; Serial No. 244,659; published Apr. 12, 1927.

Carter's Ink Company, The, Cambridge, Mass. Fountain pens and pencils. 229,326; June 21.

Carthage Knit Wear Corporation, New York, N. Y. Knitted sweaters, socks, and golf hose, windbreakers, etc. 229,184; June 21; Serial No. 243,138; published Apr. 12, 1927.

Central Pocahontas Coal Company, Welch, W. Va. Coal. 229,095; June 21; Serial No. 242,226; published Mar. 29, 1927.

Ceylon Rubber Company, The, Dallas, Tex. Inner-tube repair kits. 229,306; June 21; Serial No. 237,148; published Apr. 12, 1927.

Chapin & Company, Chicago, Ill. Prepared dairy feeds. 229,109; June 21; Serial No. 244,543; published Apr. 5, 1927.

Charters-Davis Company, Corona, Calif. Oranges and lemons. 229,250; June 21; Serial No. 241,985; published Feb. 8, 1927.

Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignor.)
Chemical Foundation, Incorporated, The. (See Küpper's Metallwerke Gesellschaft mit beschränkter Haftung, assignors.)
Chemical Foundation, Incorporated, The. (See Serum Laboratorium Ruete Enoch, assignor.)
Chemical Lime Company, Bellefonte, Pa. Hydrated lime for chemical use. 229,225; June 21; Serial No. 242,983; published Apr. 12, 1927.
Chemical Lime Company, Bellefonte, Pa. Hydrated lime. 229,226; June 21; Serial No. 242,985; published Apr. 12, 1927.
Cheney, Carl J., Gallipolis, Ohio. Stogies. 229,154; June 21; Serial No. 244,742; published Apr. 12, 1927.
Chickamauga Cedar Company, Stevenson, Ala. Aromatic cedar lumber. 229,170; June 21; Serial No. 210,644; published Dec. 22, 1925.
Chill-Nox Chemical Co., The. (See Usry, Fornie G.)
Christmas, Wm. T., & Company, St. Louis, Mo. Straw hats. 229,074; June 21; Serial No. 236,537; published Nov. 2, 1926.
Cincinnati Truss Company, The, Cincinnati, Ohio. Shoulder braces. 229,040; June 21; Serial No. 243,479; published Mar. 29, 1927.
Cincinnati Truss Company, The, Cincinnati, Ohio. Trusses and suspensories. 229,117; June 21; Serial No. 244,603; published Apr. 5, 1927.
Climax Hosiery Mills, Athens, Ga. Hosiery. 229,101; June 21; Serial No. 242,094; published Apr. 12, 1927.
Colen, Bernard D., New York, N. Y. Clocks. 229,169; June 21; Serial No. 208,743; published Apr. 12, 1927.
Colgate & Company, Jersey City, N. J., and New York, N. Y. Dental cream. 229,287; June 21; Serial No. 244,001; published Apr. 12, 1927.
Colonial Candle Company of Cape Cod. (See Baker, Mabel K.)
Columbian Rope Company, Auburn, N. Y. Rope, cord, twine, or other cordage. 229,319; June 21.
Continental-Caoutchouc- und Gutta-Percha-Compagnie, Hanover, Germany. Rubber articles. 63,305; renewed June 11, 1927.
Coon, W. B., Co., Rochester, N. Y. Women's shoes of leather. 229,155–56; June 21; Serial Nos. 244,745–6; published Apr. 12, 1927.
"Cristallo" A. G., Thusis, Switzerland. Precious stones and imitation precious stones. 229,185; June 21; Serial No. 243,142; published Apr. 12, 1927.
Crow Stove Polish Company. (See Bombard, Henry C.)
Crown, Bert F., doing business as B. F. Crown Company, Denver, Colo. Dresses. 229,064; June 21; Serial No. 242,521; published Apr. 12, 1927.
Cummings, Theodore J., Los Angeles, Calif. Electric magnetic belts. 229,227; June 21; Serial No. 242,986; published Mar. 29, 1927.
Dalsimer, Sylvan, assignor to S. Dalsimer and Sons, Philadelphia, Pa. Shoes constructed of leather or partly of leather. 62,744; renewed May 21, 1927.
Darling-Singer Lumber Co., Portland, Oreg. Lumber. 229,135; June 21; Serial No. 243,689; published Apr. 5, 1927.
Debow & Co., Newark, N. J. Butter. 229,162; June 21; Serial No. 244,855; published Apr. 5, 1927.
De Erven de Wed. J. van Nelle, New firm, assignee of De Erven De Wed. J. Van Nelle, to De Erven de Wed. J. van Nelle, Rotterdam, Netherlands, successor. Smoking tobacco, cigars, cigarettes, and snuff. 65,877; renewed Oct. 29, 1927.
Demand Hat Co. (See Kleves, Philip.)
Demangate, Carl, doing business as Easy Music House, Schenectady, N. Y. Music in sheet and book form. 229,313; June 21.
Denti-Kompak Company, Detroit, Mich. Dental compacts. 229,089; June 21; Serial No. 232,995; published Aug. 17, 1926.
Detektalarm. (See Kroeger, Martin C.)
Dexter-Carpenter Coal Company, Incorporated, New York, N. Y. 229,251; June 21; Serial No. 244,058; published Apr. 5, 1927.
Dexter-Carpenter Coal Company, Incorporated, New York, N. Y. Coal. 229,252; June 21; Serial No. 244,062; published Apr. 5, 1927.
Diamond Rubber Co., The, assignor to The B. F. Goodrich Company, Akron, Ohio. Pneumatic-cushion and solid-rubber automobile and vehicle tires. 62,745; renewed May 21, 1927.
Dickinson, Albert, Company, The, Chicago, Ill. Lawn-grass seeds. 229,188; June 21; Serial No. 243,186; published Mar. 29, 1927.
Drovers Veterinary Union. (See Hardy, Bertha A.)
Duborel Corporation, The, Jersey City, N. J. Mouth wash. 229,318; June 21.
Dudley Watch Company, Lancaster, Pa. Watches and clocks. 229,351; June 21.
Dunbar Furniture Manufacturing Company, Berne, Ind. Davenports, chairs, benches, etc. 229,218; June 21; Serial No. 240,410; published Apr. 12, 1927.
Dunn, T. B. Company, Rochester, N. Y., assignor to American Chicle Company, Long Island City, N. Y. Cachous. 30,703; renewed Oct. 19, 1927.
Dunn, T. B., Co., Rochester, N. Y., assignor to American Chicle Company, Long Island City, N. Y. Chewing gum. 30,815; renewed Nov. 9, 1927.
Duplan Silk Corporation, New York, N. Y. Textile fabrics of rayon and silk. 229,077; June 21; Serial No. 244,432; published Apr. 12, 1927.
Eadington Fruit Company, Fullerton, Calif. Oranges, lemons, grapefruit. 229,310; June 21.
Eagle-Picher Lead Company, The, Chicago, Ill. Pig lead, roof flanges, solder, etc. 229,243–5; June 21; Serial Nos. 241,704–6; published Apr. 5, 1927.
Eagle Roller Mill Co., Inc., Shelby, N. C. Wheat flour. 229,235; June 21; Serial No. 241,332; published Apr. 5, 1927.
Easy Music House. (See Demangate, Carl.)
Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. 229,193–4; June 21; Serial Nos. 190,771–2; published Apr. 5, 1927.
Egen Braun Aktiengesellschaft, Hamburg, Germany. Herb extracts for medicinal beverages. 229,072; June 21; Serial No. 235,946; published Apr. 12, 1927.
Electric Outlet Company, Inc., New York, N. Y. Connecters for electric wiring. 229,352; June 21.
Elgin Silk Company, Paterson, N. J., and New York, N. Y. Silk piece goods. 229,149; June 21; Serial No. 245,344; published Apr. 12, 1927.
Erie Malleable Iron Company, Erie, Pa. Electrical fittings. 229,177; June 21; Serial No. 226,481; published Apr. 5, 1927.
Erskine, James C., Corp., New York, N. Y. Cotton piece goods. 229,212; June 21; Serial No. 239,297; published Apr. 12, 1927.
Erwin, H. H., Co., The, Philadelphia, Pa. Perfumes. 229,293; June 21; Serial No. 244,350; published Apr. 12, 1927.
Eureka Fire Hose Company, New York, N. Y., assignor to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y. Hydraulic hose. 30,394; renewed July 20, 1927.
Evershed & Vignoles Ltd., London, England. Electric testing apparatus. 64,980; renewed Sept. 3, 1927.
Everybody's Talking Machine Company, Inc., Philadelphia, Pa. Reproducers and needles for talking machines. 229,307; June 21; Serial No. 242,716; published Apr. 5, 1927.
Everybody's Talking Machine Company, Inc., Philadelphia, Pa. Springs for talking machines. 229,308; June 21; Serial No. 242,715; published Apr. 5, 1927.
Ewing, William R., Mountain View, Calif. Mineral substances. 229,334; June 21.
Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Coal-tar-colors including artificial indigo. 63,778; renewed July 9, 1927.
Fashion Park Inc., Rochester, N. Y. Coats, vests, pants, and overcoats. 229,257; June 21; Serial No. 244,145; published Apr. 12, 1927.
Firth, Thos., & Sons, Limited, Sheffield, England. Cast steel, castings, and forgings. 229,200; June 21; Serial No. 233,307; published Mar. 29, 1927.
Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 229,157; June 21; Serial No. 244,762; published Apr. 5, 1927.
Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis. Soapstone, uncured sheet rubber, uncured camel-back rubber, etc. 229,186; June 21; Serial No. 243,146; published Mar. 29, 1927.
Fits-U Cap Co., St. Louis, Mo. Headwear. 229,037; June 21; Serial No. 243,434; published Apr. 12, 1927.
Flatow, Riley and Company, Cincinnati, Ohio. Tomatoes. 229,262; June 21; Serial No. 244,221; published Apr. 12, 1927.
Florsheim Bros. Dry Goods Co. Ltd., The, Shreveport, La. Hosiery. 229,063; June 21; Serial No. 242,531; published Apr. 5, 1927.
Forrest Seed Co. Inc., The, Cortland, N. Y. Flower, garden, and field seeds. 229,236; June 21; Serial No. 241,334; published Apr. 5, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,047; June 21; Serial No. 245,192; published Apr. 12, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,048; June 21; Serial No. 245,194; published Apr. 12, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,049–50; June 21; Serial Nos. 245,196–7; published Apr. 12, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,051; June 21; Serial No. 245,199; published Apr. 12, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,123; June 21; Serial Nos. 245,200–201; published Apr. 12, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,143; June 21; Serial No. 245,201; published Apr. 12, 1927.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,144; June 21; Serial No. 245,204; published Apr. 12, 1927.
Freezer, Morris, New York, N. Y. Boys'-wear and men's and boys' lumber jackets. 229,263; June 21; Serial No. 244,223; published Apr. 5, 1927.
Fremont Mills, The, Fremont, Nebr. Wheat flour. 229,093; June 21; Serial No. 244,687; published Apr. 5, 1927.

Fried, Herbert, Richmond, Va. Boots, shoes, and slippers, and hosiery. 229,316; June 21.
Frohman & Altman, Inc., New York, N. Y. Dresses, coats, and suits. 229,140; June 21; Serial No. 243,755; published Apr. 12, 1927.
Fuld & Hatch Knitting Company, Albany, N. Y. Knitted fabric and knitted underwear, sweaters, shirts, and jackets. 65,439; renewed Sept. 24, 1927.
Fuller, Sidney L., Pittsburg, Tex. Cough sirup. 229,294; June 21; Serial No. 244,298; published Apr. 12, 1927.
Fulton, Ralph E., Lincoln, Nebr. Devices for preventing leakage of lubricants from axle housings of automobiles. 229,328 June 21.
Gates, Mills & Driscoll, Inc., Johnstown, N. Y. Gloves. 229,163; June 21; Serial No. 244,862; published Apr. 12, 1927.
Gelb, Harry, doing business as Hanover Manufacturing Company, New York, N. Y. Underwear of textile fabric. 229,104; June 21; Serial No. 241,997; published Apr. 12, 1927.
General Baking Company, New York, N. Y. Cake. 229,166–7; June 21; Serial Nos. 244,924–5; published Apr. 5, 1927.
General Refrigeration Company, South Beloit, Ill. Refrigerating apparatus and parts thereof. 229,087; June 21; Serial No. 232,131; published Apr. 12, 1927.
Gerling, Arthur A., doing business as Gerling Toy Co., New York, N. Y. Dolls. 229,145; June 21; Serial No. 245,263; published Apr. 12, 1927.
Getz, Alex, Chicago, Ill. Butter and eggs. 229,231; June 21; Serial No. 240,971; published Apr. 5, 1927.
Gish-Fortney Co. Inc., Louisville, Ky. Therapeutic apparatus. 229,128; June 21; Serial No. 243,541; published Apr. 5, 1927.
Giuliani, Alfonso, Brooklyn, N. Y. Corn cure. 229,317; June 21.
Gleason, Joseph F., doing business as J. F. Gleason & Co., New York, N. Y. Saw blades. 229,124; June 21; Serial No. 243,488; published Apr. 12 , 1927.
Glidden Varnish Company, The, assignor to The Glidden Company, Cleveland, Ohio. Prepared linseed oil. 63,874; renewed July 9, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Bookcases and parts thereof. 62,536; renewed May 14, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Document files. 63,197; renewed June 11, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Bookcases, filing cabinets, cupboards, etc. 63,230; renewed June 11, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Furniture. 63,441–2; renewed June 18, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Document files and desk pads. 63,443; renewed June 18, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Document files. 63,706; renewed July 2, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Articles of stationery. 63,724–6; renewed July 2, 1927.
Globe-Wernicke Company, The, Cincinnati, to The Globe-Wernicke Co., Norwood, Ohio. Document files. 64,493; renewed Aug. 13, 1927.
Glover, W. T., & Co., Manchester and London, assignor to W. T. Glover & Co., Ltd., Manchester, England. Insulating material and rubber substitute. 29,989; renewed May 11, 1927.
Godde, Albert, Bedin, Inc., New York, N. Y. Silk piece goods. 229,115; June 21; Serial No. 244,590; published Apr. 12, 1927.
Goldman, Monroe, doing business as Standard Specialty Co., New York, N. Y. Steel office furniture. 229,330; June 21.
Goldsmith, P., Sons Company, The, Cincinnati, Ohio. Balls, gloves, golf bags, etc. Serial No. 229,344; June 21.
Good Samaritan Ointment Company, Camden, N. J., assignor, by mesne assignments, to Good Samaritan Ointment Company, Philadelphia, Pa. Ointment. 55,682; renewed Aug. 21, 1926.
Goodrich, B. F., Company, The. (See Diamond Rubber Co., The, assignor.)
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Belting. 65,000; renewed Sept. 3, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Hose. 65,001–2; renewed Sept. 3, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Hose. 65,011–15; renewed Sept. 3, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Syringes. 65,425–6; renewed Sept. 24 1927.
Goodrich, B. F., Company, The, New York, N. Y. Tires and inner tubes therefor. 229,105; June 21; Serial No. 241,999; published Apr. 12, 1927.
Gordon & Ferguson, Inc., St. Paul, Minn. Hats and caps. 229,292; June 21; Serial No. 244,355; published Apr. 12, 1927.
Gray, Thomas E. & Co. Ltd., London, England. Gannister. 229,302; June 21; Serial No. 237,805; published Mar. 29, 1927.
Greene, William E., doing business as The Wills Products Company, New York, N. Y. Dry, paste, and ready-mixed paints, paint enamels, floor polish, etc. 229,136; June 21; Serial No. 243,699; published Mar. 29, 1927.
Greenhill & Daniel, Brooklyn, N. Y. Bathing suits. 229,253; June 21; Serial No. 244,069; published Apr. 5, 1927.
Hagenbaugh, William L., doing business as Master Lubricants Company, Los Angeles, Calif. Lubricating oils and greases. 229,196; June 21; Serial No. 200,554; published Oct. 14, 1924.
Hagenbaugh, William L., doing business as Master Lubricants Company, Los Angeles, Calif. Lubricating oils and greases. 229,197; June 21; Serial No. 200,556; published Oct. 14, 1924.
Hahne & Company, Newark, N. J. Men's dress, negligee, work, and under shirts. 229,271; June 21; Serial No. 243,805; published Apr. 12, 1927.
Hakka Chemical Company, Boston, Mass., assignor to Bovinine Company, New York, N. Y. Remedy for catarrh, etc. 65,554; renewed Oct. 8, 1927.
Hall, Horace W., doing business as Speedwood Manufacturing Co., Boston, Mass. Tennis rackets, baseball bats, skis, and golf clubs. 229,067; June 21; Serial No. 242,373; published Apr. 12, 1927.
Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 229,070; June 21; Serial No. 242,667; published Apr. 12, 1927.
Hanna, Joseph N., Highland Park, Mich. Hair tonic. 229,075; June 21; Serial No. 245,010; published Apr. 12, 1927.
Hanover Manufacturing Company. (See Gelb, Harry.)
Hardy, Bertha A., doing business as Drovers Veterinary Union, Omaha, Nebr. Medicine for the treatment of the diseases of hogs. 229,042; June 21; Serial No. 245,093; published Apr. 12, 1927.
Harrower Laboratory, Inc., The, Glendale, Calif. Product used in the treatment of status calciprivia, etc. 229,118; June 21; Serial No. 244,612; published Apr. 12, 1927.
Harrower Laboratory, Inc., The, Glendale, Calif. Product used in the treatment of arthritis and psoriasis. 229,119; June 21; Serial No. 244,613; published Apr. 12, 1927.
Hastings & McIntosh Truss Company, The, Philadelphia, Pa. Supporters. 30,695; renewed Oct. 19, 1927.
Hearst, William R., New York, N. Y. Newspaper. 66,156–7; renewed Nov. 12, 1927.
Heddon's, James, Sons, Dowagiac, Mich. Artificial baits. 229,100; June 21; Serial No. 242,125; published Apr. 12, 1927.
Heller, B., & Company, Chicago, Ill. Insecticides, meat-curing preparations and compounds, food colors, baking powder, etc. 229,125; June 21; Serial No. 243,491; published Apr. 12, 1927.
Heyer, George S., Houston, Tex. Skin powder. 229,062; June 21; Serial No. 242,538; published Apr. 12, 1927.
Hibbs-Kiefer Hat Co. Inc. (See Mendel, Weinstock & Company, assignor.)
Hills Brothers Company, The, New York, N. Y. Dates. 229,171; June 21; Serial No. 213,644; published June 1, 1926.
Hillyard Chemical Company, St. Joseph, Mo. Polishing fluid for floors. 229,264; June 21; Serial No. 244,229; published Mar. 29, 1927.
Holser, Charles, Santa Cruz, Calif. Complete wheat flour, wheat grits, bran, and bread. 229,203; June 21; Serial No. 234,397; published Apr. 5, 1927.
Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Waterproof fabric and waterproof cotton duck. 229,190; June 21; Serial No. 243,270; published Apr. 5, 1927.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Waterproof fabric and waterproof cotton duck. 229,279; June 21; Serial No. 243,945; published Apr. 5, 1927.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Waterproof fabric and waterproof cotton duck. 229,280–1; June 21; Serial Nos. 243,947–8; published Apr. 5, 1927.
Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 229,208; June 21; Serial No. 235,818; published Apr. 5, 1927.
Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 229,209; June 21; Serial No. 235,822; published Apr. 5, 1927.
Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 229,210; June 21; Serial No. 235,827; published Apr. 5, 1927.
Houghton, E. F., & Co., Philadelphia, Pa. Cutting oils. 229,291; June 21; Serial No. 244,401; published Apr. 5, 1927.
Hub-Way Manufacturing Company, Hubbard, Ohio. Electrical equipment. 229,059; June 21; Serial No. 242,588; published Apr. 12, 1927.
Hulseberg & Krudener, Inc., New York and Brooklyn, N. Y. Cheese. 229,288; June 21; Serial No. 244,012; published Apr. 5, 1927.
Humphreys, J. F., & Co., Bloomington, Ill. Canned fruits and vegetables. 62,471; renewed May 7, 1927.
Humphreys, J. F., & Co., Bloomington, Ill. Canned fruits and vegetables. 62,484; renewed May 7, 1927.

Hunt, George S., Pasadena, Calif. Chairs, tables, desks, beds, etc. 229,058; June 21; Serial No. 242,589; published Apr. 12, 1927.

Hunter Fan & Motor Co., Fulton and New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; New Orleans, La.; Dallas, Tex. Fans. 229,258; June 21; Serial No. 244,158; published Apr. 12, 1927.

Hyjo Co. (Not Inc.), The, Springfield, Ill. Asphalt roofing in rolls and shingles made from asphalt roofing fabric. 229,305; June 21; Serial No. 237,076; published Mar. 29, 1927.

Hyman & Oppenheim, New York, N. Y. Hair pieces. 229,110; June 21; Serial No. 244,560; published Apr. 12, 1927.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Berlin, Germany. Preparations for protecting animal substances against the noxious effect of chemicals. 229,096; June 21; Serial No. 242,179; published Apr. 12, 1927.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Berlin, Germany. Sensitized photographic papers. 229,097–8; June 21; Serial Nos. 242,177–8; published Apr. 12, 1927.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Storage-battery terminals, plugs, screws, and bushings. 229,206; June 21; Serial No. 235,303; published Apr. 5, 1927.

Imperial Manufacturing Company, New York, N. Y. Brassières, corsets, vests, etc. 229,153; June 21; Serial No. 244,771; published Apr. 12, 1927.

Improved Mailing Case Co., assignor to J. M. Price, New York, N. Y. Mailing cases. 30,474; renewed Aug. 3, 1927.

Inter-Mountain Machine & Stamp Works, Inc., Salt Lake City, Utah. Cattle, sheep, hog, horse, etc., tags and poultry bands. 229,213; June 21; Serial No. 239,522; published Mar. 29, 1927.

International Salt Company, Inc., New York, N. Y. Salt. 229,297; June 21; Serial No. 239,177; published Dec. 7, 1926.

Inter-State Rubber Company, Omaha, Nebr., assignor to United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Clothing. 65,098; renewed Sept. 10, 1927.

Irizarry, Ramón L., doing business as Laboratoire Chimique Supreme, Mayaguez, P. R. Effervescent purgative. 229,289; June 21; Serial No. 244,013; published Apr. 12, 1927.

Isco Chemical Company, Inc., Niagara Falls and New York, N. Y. Fumigants intended for use as an exterminantor of bugs, insects, larva, etc. 229,338; June 21.

Jack Bros. & McBurney Co., Brawley, Calif. Fresh asparagus. 229,322; June 21.

Jackson Company, assignor to Nashua Manufg. Company, Nashua, N. H. Cotton piece goods and blankets. 65,595; renewed Oct. 8, 1927.

Jansen & Pretzfeld, Inc., New York, N. Y. Silk piece goods. 229,321; June 21.

Junior Candy Company, Milwaukee, Wis. Candy. 229,299; June 21; Serial No. 238,441; published Apr. 12, 1927.

K-E-M Manufacturing & Sales Co., New York, N. Y. Wire terminals and cables. 229,272; June 21; Serial No. 243,812; published Apr. 12, 1927.

Kann, William L., Pittsburgh, Pa. Lumber. 229,222; June 21; Serial No. 242,786; published Apr. 5, 1927.

Kansas Flour Mills Corporation, The, Kansas City, Mo. Wheat flour. 229,219; June 21; Serial No. 240,715; published Apr. 5, 1927.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Men's and boys' hats and caps. 229,173; June 21; Serial No. 223,304; published Jan. 19, 1926.

Keesee, George P., Chickasha, Okla. Antifreeze mixture for use in the radiators of motor vehicles. 229,055; June 21; Serial No. 243,315; published Apr. 12, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Stoves and ranges. 63,335; renewed June 18, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Cutlery and edge tools. 63,395; renewed June 18, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Hammers, screw drivers, and shovels. 63,396; renewed June 18, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Laundry appliances and machines. 63,397; renewed June 18, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Sewing machines. 63,398; renewed June 18, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Metal goods. 63,499; reenewed June 25, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Lawn mowers. 63,500; renewed June 25, 1927.

Kelley-How-Thomson Co., Duluth, Minn. Floor, house, and barn paints and varnishes. 65,200; renewed Sept. 10, 1927.

Kellogg Switchboard and Supply Co., Chicago, Ill. Battery eliminator. 229,198; June 21; Serial No. 208,522; published Apr. 12, 1927.

Kelly Axe Manufacturing Co., Alexandria, Ind., and New York, N. Y., to Kelly Axe & Tool Co., Charleston, W. Va., successor. Axes. 30,835; renewed Nov. 9, 1927.

Kenilworth Manufacturing Co. Inc., New York, N. Y. Sweaters and sweater shirts. 229,300; June 21; Serial No. 238,019; published Nov. 16, 1926.

Kerry & Hanson Flooring Co., Grayling, Mich. Flooring. 229,085; June 21. Serial No. 231,048; published Mar. 29, 1927.

Keyser & Co., New York, N. Y. Women's and misses' fur coats, spring coats, fur neck pieces, and dresses. 229,282; June 21; Serial No. 243,951; published Apr. 5, 1927.

Keystone Watch Case Company, The. (See Philadelphia Watch Case Co., assignor.)

Kleves, Philip, doing business as Demand Hat Co., New York, N. Y. Ladies' hats. 229,273; June 21; Serial No. 243,813; published Apr. 12, 1927.

King Koffee Kompany, Indianapolis, Ind. Coffee. 229,159–60; June 21; Serial Nos. 244,775–6; published Apr. 12, 1927.

Kirk, James S., & Company, Chicago, Ill. Soap. 229,232; June 21; Serial No. 240,981; published Feb. 15, 1927.

Knecht, Louis, doing business as The Walser Manufacturing Company, Clifton, N. J. Underwear. 229,189; June 21; Serial No. 243,221; published Apr. 12, 1927.

Koch, Jonas, New York, N. Y. Jewelry. 65,677; renewed Oct. 15, 1927.

Kollstede, George, Providence, R. I. Bracelets. 229,347; June 21.

Kompact Products Corporation, New York, N. Y. Carbonators, special soda fountains, and fountain equipment. 229,348; June 21.

Kono, Michio, San Francisco, Calif. Medicine for stomach troubles. 229,035; June 21; Serial No. 243,372; published Apr. 12, 1927.

Kroeger, Martin C., doing business as Detektalarm, Los Angeles, Calif. Automatic electric fire alarms. 229,246; June 21; Serial No. 241,730; published Apr. 12, 1927.

Küpper's Metallwerke Gesellschaft mit beschränkter Haftung, Bonn-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Liquid preparations for soldering and coating metals. 63,910; renewed July 16, 1927.

L & L Watch Case Company, New York, N. Y. Watch-cases. 229,091; June 21; Serial No. 243,096; published Apr. 12, 1927.

Laboratoire Chimique Supreme. (See Irizarry, Ramón L.)

Lankenau, John R., Co., Boston, Mass. Textile fabrics stamped with embroidery patterns. 229,178; June 21; Serial No. 226,776; published Apr. 5, 1927.

Law, Hartland, and Herbert E., assignors to The Viavi Company, San Francisco, Calif. Remedies for diseases of women. 63,595; renewed June 25, 1927.

Lawrence Textile Corporation, New York, N. Y. Combination silk and cotton piece goods. 229,161; June 21; Serial No. 244,832; published Apr. 12, 1927.

Lawton & Hall, Chicago, Ill., assignors, by mesne assignments, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Clothing. 63,782; renewed July 9, 1927.

Ledgerwood Brothers, Perry, Iowa. Ready-mixed paint. 229,343; June 21.

Lissauer & Company. (See Mirabeau, Marcel M.)

List, B. F., Exeter, Calif. Fresh grapes, plums, peaches, etc. 229,081; June 21; Serial No. 228,611; published Apr. 12, 1927.

Lord & Taylor, New York, N. Y. Brushes and brooms. 65,566; renewed Oct. 8, 1927.

Lovis' Cove Gift Shop, Inc., Marblehead, Mass. Chemical compounds, preparations, and powders for use in producing varying colors in burning fuel. 229,090; June 21; Serial No. 244,455; published Apr. 12, 1927.

Lowe Brothers Company, The, Dayton, Ohio. Paints and painters' materials. 64,985; renewed Sept. 3, 1927.

Lulpersbek, Frank, Boundbrook, N. J. Metal frames insertable in flowerpots. 229,216; June 21; Serial No. 240,309; published Mar. 29, 1927.

MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y. Composite board and lumber. 229,304; June 21; Serial No. 237,370; published Mar. 29, 1927.

Mal Vaz Extract Company, Chicago, Ill. Beverages sold as soft drinks and sirups and extracts for making the same. 229,038; June 21; Serial No. 243,445; published Apr. 12, 1927.

Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry batteries. 62,907–8; renewed May 28, 1927.

Marblehead Lime Company, Chicago, Ill. Lime plaster. 229,342; June 21.

Marcus Brush Co., Inc., New York, N. Y. Painters' brushes. 229,084; June 21; Serial No. 230,556; published Apr. 12, 1927.

Master Lubricants Company. (See Hagenbaugh, William L.)

Maurer, Herman W., Cleveland, Ohio. Collapsible partition structures. 229,215; June 21; Serial No. 239,888; published Mar. 29, 1927.

Mayflower Oil Company, Boston, Mass. Gasoline, kerosene, lubricating oil and greases, fuel oils. 229,179; June 21; Serial No. 226,816; published Apr. 5, 1927.

Mendel, Weinstock & Company, assignor to Hibbs-Kiefer Hat Co. Inc., Louisville, Ky. Clothing. 66,160; renewed Nov. 12, 1927.

Mendelson, Fried., & Co., New York, N. Y. Silk dress goods. 65,274; renewed Sept. 17, 1927.

Meyer, Milton J., & Co., Inc., New York, N. Y., assignor to The United States Shoe Company, Cincinnati, Ohio. Shoes. 229,174; June 21; Serial No. 225,438; published Apr. 12, 1927.

Midwest Oil Company, Minneapolis, Minn. Petroleum products. 229,327; June 21.

Miller Becker Co., Cleveland, Ohio. Beverages. 229,106; June 21; Serial No. 244,459; published Apr. 12, 1927.

Miller Company, The, Meriden, Conn. Glass globes and reflectors. 229,079–80; June 21; Serial Nos. 227,956–7; published Apr. 12, 1927.

Miller's Jacob, Sons Co., Philadelphia, Pa. Men's shirts. 229,247; June 21; Serial No. 241,778; published Apr. 5, 1927.

Minot, Hooper & Co., New York, N. Y. Sheetings, shirtings, drillings, and osnaburgs. 63,859; renewed July 9, 1927.

Mirabeau, Marcel M., doing business as Lissauer & Company, New York, N. Y. Watches, clocks, and their movements. 229,094; June 21; Serial No. 244,711; published Apr. 5, 1927.

Mittineague Paper Company, West Springfield, assignor to Strathmore Paper Company, Mittineague, Mass. Paper. 65,496; renewed Oct. 8, 1927.

Monarch Typewriter Company, The, Syracuse, assignor to Remington Typewriter Company, Ilion and New York, N. Y. Typewriter ribbons and typewriter carbon paper. 66,084; renewed Nov. 5, 1927.

Morrell, John, & Co. Ltd., assignor to John Morrell & Co., Ottumwa, Iowa. Ham, bacon, and shoulders. 30,120; renewed June 1, 1927.

Moseley & Motley Milling Co., Rochester, N. Y. Wheat flour. 30,744; renewed Oct. 26, 1927.

Moskowitz & Altman, New York, N. Y. Frocks and dresses. 229,230; June 21; Serial No. 241,492; published Apr. 12, 1927.

Mountain Copper Co., Ltd., The, San Francisco, Calif. Sulphate of copper, iron sulphate, and copper carbonate. 229,146; June 21; Serial No. 245,284; published Apr. 12, 1927.

Mulford, H. K. Company, Philadelphia, Pa. Poison-ivy extract. 229,039; June 21; Serial No. 243,449; published Apr. 12, 1927.

Naamlooze Vennootschap Rubber Cultuur Maatschappij Amsterdam, Amsterdam, Netherlands. Rubber. 229,237; June 21; Serial No. 241,428; published Mar. 29, 1927.

Narrow Fabric Co., The, West Reading and Reading, Pa. Sanitary napkins. 229,254; June 21; Serial No. 244,086; published Apr. 5, 1927.

Nashua Manufg. Company. (See Jackson Company, assignor.)

National Carbon Company. (See Manhattan Electrical Supply Company, assignor.)

National Metal Molding Company, Pittsburgh, Pa. Cables. 229,349; June 21.

Naumkeag Steam Cotton Co., Salem, Mass. Cotton sheeting. 63,835; renewed July 9, 1927.

Neuss Hesslein & Co., assignor to Neuss, Hesslein & Co. Inc., New York, N. Y. Woven cotton plaids. 65,453; renewed Sept. 24, 1927.

Newman, I. C., Co. Inc., New York, N. Y. Flash powder for photographic use. 229,274; June 21; Serial No. 243,821; published Apr. 12, 1927.

Night Comfort Garment Co., Inc., New York, N. Y. Work, dress, and negligee shirts, pyjamas, nightshirts, etc. 229,276; June 21; Serial No. 243,874; published Apr. 12, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,081; renewed June 4, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,083; renewed June 4, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,102–3; renewed June 4, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,128; renewed June 4, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,155–8; renewed June 11, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,200; renewed June 11, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,461; renewed June 18, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,534–5; renewed June 25, 1927.

Nu Grape Company of America, The, Atlanta, Ga. Beverages and sirups for making same. 229,298; June 21; Serial No. 238,518; published Apr. 12, 1927.

O. K. Stove & Range Co., Louisville, Ky. Gas, coal, and wood stoves and parts thereof. 229,230; June 21; Serial No. 243,064; published Apr. 12, 1927.

O'Callaghan & Fedden, Inc., New York, N. Y. Hosiery. 229,195; June 21; Serial No. 197,952; published July 20, 1924.

Old Trusty Dog Food Company, Needham Heights, Mass. Dog food. 229,255; June 21; Serial No. 244,094; published Apr. 5, 1927.

Outside Arch Inc., The, Washington, D. C. Arch supporters. 229,130; June 21; Serial No. 243,619; published Mar. 29, 1927.

Overland Sheet Metal & Furnace Company, Overland, Mo. Heating furnaces. 229,323; June 21.

Palmolive Company, The, Chicago, Ill. Rouge, lip stick, face powder, talcum powder, etc. 229,076; June 21; Serial No. 245,027; published Apr. 12, 1927.

Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 229,056; June 21; Serial No. 243,323; published Mar. 29, 1927.

Paradis, Albani H., doing business as Alhpa Chemical Co., Biddeford, Me. Preparation for chemically blackening red stove lids. 229,044; June 21; Serial No. 245,159; published Apr. 12, 1927.

Pathex, Inc., New York, N. Y. Cinematographic camera, projector, tripod, film magazine, etc. 229,217; June 21; Serial No. 240,362; published Apr. 12, 1927.

Paxton Flour & Feed Co., Harrisburg, Pa. Pie and cake flour. 229,249; June 21; Serial No. 241,957; published Apr. 5, 1927.

Peco Manufacturing Company, Philadelphia, Pa. Experimental and special machinery and fixtures therefor. 229,265; June 21; Serial No. 244,240; published Apr. 12, 1927.

Peek Bros. & Winch, Limited, London, England. Tea. 229,303; June 21; Serial No. 237,422; published Apr. 12, 1927.

Penn Tobacco Company, Wilkes-Barre, Pa. Smoking and chewing tobacco. 66,143; renewed Nov. 12, 1927.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Cryolite. 229,256; June 21; Serial No. 244,105; published Apr. 5, 1927.

Peper, Christian, Tobacco Co., St. Louis, Mo. Smoking tobacco and cigarettes. 229,324; June 21.

Perkins Marine Lamp Corporation, Brooklyn, N. Y. Electric lamps, lanterns, toggle switches, fuse plugs, etc. 229,175; June 21; Serial No. 225,965; published June 22, 1926.

Perret, Louis, et Fils, La-Chaux-de-Fonds, Switzerland. Mainsprings for clocks and watches. 229,172; June 21; Serial No. 221,766; published Apr. 5, 1927.

Philadelphia Watch Case Co., assignor to The Keystone Watch Case Company, Riverside, N. J. Watches, watch-cases, and watch movements. 65,337; renewed Sept. 17, 1927.

Phoenix Oil Co., The, Cleveland, Ohio. Gear greases, gear lubricants, and motor oils. 229,301; June 21; Serial No. 237,919; published Nov. 23, 1926.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils. 229,339; June 21.

Pierce, S. S., Co., Boston, Mass. Cigarettes. 229,043; June 21; Serial No. 245,106; published Apr. 12, 1927.

Pioneer Paper Company, Los Angeles, Calif. Asphalt compound for coating underground pipes and conduits. 229,283; June 21; Serial No. 243,965; published Apr. 5, 1927.

Piqua Electric Service Co., Piqua, Ohio. Electrical fans. 229,238; June 21; Serial No. 241,436; published Apr. 12, 1927.

Prescott, J. L., Company, New York, N. Y. Starch tablets. 229,045; June 21; Serial No. 245,161; published Apr. 12, 1927.

Preservaline Manufacturing Company, The, Brooklyn, N. Y. Chemical preservatives for meats, meat products, sausage, etc. 229,065; June 21; Serial No. 242,498; published Apr. 12, 1927.

Price, Joseph M. (See Improved Mailing Case Co., assignor.)

Priestley, B., & Co., Inc., New York, N. Y. Woolen, worsted, mohair, etc. 229,332; June 21.

Pro-Tex-All Sanitary Products Co. (See Silverman, Isadore.)

Radiant Heat Corporation of America, New York, N. Y. Gas heaters. 229,345; June 21.

Radway, Laura M., New York, N. Y. Overshoes. 229,092; June 21; Serial No. 243,110; published Apr. 5, 1927.

Real Silk Hosiery Mills, Indianapolis, Ind. Hosiery. 229,259; June 21; Serial No. 244,181; published Apr. 5, 1927.

Reis, G., & Bro., Inc., New York, N. Y. Textile paints and paint thinner and brush wash. 229,266; June 21; Serial No. 244,242; published Apr. 6, 1927.

Remington Typewriter Company. (See Monarch Typewriter Company, The, assignor.)

Riverside Bottling Works, La Crosse, Wis. Beverages sold as soft drinks. 229,150; June 21; Serial No. 245,870; published Apr. 12, 1927.

Roberts, Glazebrook & Co. Ltd., doing business as Tyseley Paint and Varnish Works, Birmingham, England. Paints, varnishes, stains, and paint enamels. 229,204; June 21; Serial No. 234,872; published Apr. 5, 1927.

Robinson Bros. & Company Incorporated, Portland, Me., and Malden, Mass., to Robinson Bros. & Company Incorporated, Malden, Mass. Soap. 65,760; renewed Oct. 22, 1927.

Roeblings, John A., Sons Company, Trenton, N. J. Insulated electric wire and cables. 63,853; renewed July 9, 1927.

Rosenberg & Hertz, Cologne-on-the-Rhine, Germany. Brassières and bust supporters. 229,214; June 21; Serial No. 239,519; published Apr. 12, 1927.

Rudy, Alice P., Ada, Ohio. Hair tonic. 229,041; June 21; Serial No. 245,031; published Apr. 12, 1927.

Ryan Fruit Company, Seattle, Wash., and Los Angeles, Calif. Fresh cantaloupes, melons, tomatoes, and berries. 229,331; June 21.

Sanat Refrigerating Company, New York, N. Y. Refrigerators and refrigerating machinery. 229,137; June 21; Serial No. 243,727; published Apr. 5, 1927.

San-I-Sal Laboratories, Inc., Washington, D. C. Face cream. 229,181; June 21; Serial No. 243,117; published Apr. 12, 1927.
Schatz Manufacturing Co., The. (See Acme Ball-Bearing Company, assignor.)
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, knickerbockers, topcoats, and overcoats for men, youths, and boys. 229,284; June 21; Serial No. 243,973; published Apr. 5, 1927.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 229,285; June 21; Serial No. 243,975; published Apr. 12, 1927.
Schultz, Baujan & Co., Beardstown, Ill. Wheat flour. 229,151; June 21; Serial No. 244,724; published Apr. 5, 1927.
Sears, Roebuck and Co., Chicago, Ill. Accordions and mouth harmonicas. 229,129; June 21; Serial No. 243,563; published Apr. 12, 1927.
Sebastiani, Alfred D., Montreal, Quebec, Canada. Shoes. 229,240; June 21; Serial No. 241,547; published Apr. 12, 1927.
Selkow, Irving, doing business as Washington Barber Supply Co., New York, N. Y. Nail polish. 229,341; June 21.
Serum Laboratorium Ruete Enoch, Hamburg, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Curative serum for the prevention of hay fever. 63,650; renewed July 2, 1927.
Sethness Company, Chicago, Ill. Beverages and sirups for making same. 229,147; June 21; Serial No. 245,301; published Apr. 12, 1927.
Seymour Kiddy Wear Corporation, New York, N. Y. Children's suits and creepers. 229,221; June 21; Serial No. 242,754; published Apr. 12, 1927.
Sheer, H. M., Co., Quincy, Ill. Incubators and brooders. 229,233; June 21; Serial No. 240,886; published Mar. 29, 1927.
Silverman, Isadore, doing business as Pro-Tex-All Sanitary Products Co., Evansville, Ind. Fly insecticide or powder. 229,054; June 21; Serial No. 243,288; published Apr. 12, 1927.
Simson & Frey, Inc., New York, N. Y. Violin and cello strings. 229,228; June 21; Serial No. 243,025; published Apr. 5, 1927.
Smalley, Florence L. W., Los Angeles, Calif. Motion-picture films, positives, negatives, etc. 229,191; June 21; Serial No. 169,045; published Mar. 20, 1923.
Smith, Agnes C., doing business as The A. C. S. Mfg. Co., Americus, Ga. Preparation for treating the hair and skin, hair tonic, tonic brilliantine, etc. 229,223; June 21; Serial No. 242,860; published Apr. 12, 1927.
Smith & Nichols, Incorporated, New York, N. Y. Candles. 229,111; June 21; Serial No. 244,575; published Apr. 5, 1927.
Smith & Nichols, Incorporated, New York, N. Y. Candles. 229,112; June 21; Serial No. 244,576; published Apr. 12, 1927.
Smith & Nichols, Incorporated, New York, N. Y. Candles. 229,113; June 21; Serial No. 244,577; published Apr. 5, 1927.
Smithfield Company, Incorporated, The, Smithfield, Va. Hams. 229,220; June 21; Serial No. 240,929; published Apr. 12, 1927.
Sormani, Egbert J., Brooklyn, N. Y. Cough remedies. 65,965; renewed Nov. 5, 1927.
South Texas Grain Company, Houston, Tex. Specially-prepared corn for use in making tortillas. 229,202; June 21; Serial No. 234,054; published Feb. 8, 1927.
Sparklets, Incorporated. (See Aerator's Limited, assignor.)
Speedwood Manufacturing Co. (See Hall, Horace W.)
Sprague, Warner & Company, Chicago, Ill. Canned goods or articles. 30,819; renewed Nov. 9, 1927.
Spratt's Patent (American) Limited, London, England. Dog food. 229,152; June 21; Serial No. 244,727; published Apr. 5, 1927.
Square D Company, Detroit, Mich. Electrical cabinets, switches, switch boxes, etc. 229,192; June 21; Serial No. 172,616; published Apr. 12, 1927.
Standard Fuel Engineering Company, Detroit, Mich. High-temperature cement. 229,052; June 21; Serial No. 243,566; published Apr. 5, 1927.
Standard Mattress and Furniture, Inc., San Diego, Calif. Upholstered davenports, chairs, stools, and benches. 229,133; June 21; Serial No. 243,670; published Apr. 12, 1927.
Standard Specialty Co. (See Goldman, Monroe.)
Stanley, Wm. H., Inc., New York, N. Y. Canned fish, canned shrimp, canned oysters, canned lobster, etc. 229,260; June 21; Serial No. 244,192; published Apr. 12, 1927.
Star Manufacturing Company, Carpentersville, Ill. Plows, cultivators, and stock parts or shapes therefor. 62,597; renewed May 14, 1927.
Sterling Products Company, The, Cleveland, Ohio. Plastic material. 229,126; June 21; Serial No. 243,508; published Apr. 5, 1927.
Sterling Products Company, The, Cleveland, Ohio. Asphalt emulsion. 229,127; June 21; Serial No. 243,509; published Apr. 5, 1927.
Stettauer, Harris & Raphael, New York, N. Y. Cotton goods. 229,325; June 21.
Stollwerck Bros., New York, N. Y., assignor, by mesne assignments, to The Stollwerck Chocolate Company, Stamford, Conn. Candy, chocolates, cocoa, chewing gum, and bonbons. 62,464; renewed May 7, 1927.
Strathmore Paper Company. (See Mittineague Paper Company, assignor.)
Sug. R. Mint Co. (See Carlin, William D.)
Tanqueray, Gordon & Co. Limited, assignor, by means assignments, to Tanqueray, Gordon & Co. Limited, London, England. Gin. 64,866; renewed Aug. 27, 1927.
Tanqueray, Gordon & Co. Limited, assignor, by mesne assignments, to Tanqueray, Gordon & Co. Limited, London, England. Gin and cordials. 65,077; renewed Sept. 3, 1927.
Tar Products Corporation, Providence and East Providence, R. I. Coal tar, lens pitch, etc. 229,083; June 21; Serial No. 229,416; published Mar. 29, 1927.
Tausend, Felix, New York, N. Y. Table covers, table scarfs, bedspreads, towels. 229,267; June 21; Serial No. 244,249; published Apr. 12, 1927.
Taylor, H. P., Jr., Richmond, Va. Canned fruits and vegetables. 66,059; renewed Nov. 5, 1927.
Technische Chemikalien-Compagnie G. m. b. H., Halle-Saale, Germany. Oils. 229,061; June 21; Serial No. 242,555; published Apr. 12, 1927.
Tiffany & Company, New York, N. Y. Miscellaneous stationery. 30,599; renewed Oct. 5, 1927.
Toch Brothers, assignor to Toch Brothers, Inc., New York, N. Y. Insulating paint. 65,691; renewed Oct. 15, 1927.
Tonk Bros. Company, Chicago, Ill. Fretted stringed musical instruments. 229,071; June 21; Serial No. 227,542; published Apr. 12, 1927.
Trinidad Oil Company, The, Trinidad, Colo. Gasoline. 229,207; June 21; Serial No. 235,537; published Apr. 12, 1927.
Tyseley Paint and Varnish Works. (See Roberts, Glasebrook & Co. Ltd.)
United States Electrical Manufacturing Company, Los Angeles, Calif. Electric motors. 229,120; June 21; Serial No. 244,638; published May 3, 1927.
United States Gypsum Company, Chicago, Ill. Powdered building insulation, calcined gypsum, wall plasters, etc. 229,086; June 21; Serial No. 231,574; published Mar. 29, 1927.
United States Rubber Company. (See Interstate Rubber Company, assignor.)
United States Rubber Company. (See Lawton & Hall, assignors.)
United States Shoe Company, The. (See Meyer, Milton J., & Co., Inc., assignor.)
Universal Mills, Fort Worth, Tex. Feed for livestock. 229,114; June 21; Serial No. 244,581; published Apr. 5, 1927.
Usry, Fornie G., doing business as The Chill-Nox Chemical Co., Gadsden, Ala. Preparation for the treatment of chills, fever, etc. 229,046; June 21; Serial No. 245,170; published Apr. 12, 1927.
Viavi Company, The. (See Law, Hartland, and Law.)
Victor Engineering Corporation, New York, N. Y. Paint. 229,290; June 21; Serial No. 244,037; published Apr. 5, 1927.
Victor Talking Machine Company, Camden, N. J. Sound recording and reproducing machinery and appurtenances thereto and parts thereof, etc. 229,068; June 21; Serial No. 242,360; published Apr. 5, 1927.
Viking Laboratories, Incorporated, Charleston, W. Va. Toilet deodorant. 229,268; June 21; Serial No. 244,254; published Apr. 12, 1927.
Viking Laboratories, Incorporated, Charleston, W. Va. Skin lotion. 229,269; June 21; Serial No. 244,255; published Apr. 12, 1927.
Villa Rica Mills Inc., Villa Rica, Ga. Hosiery. 229,000; June 21; Serial No. 242,158; published Apr. 12, 1927.
Vitamin Food Co. Inc., New York, N. Y. Candy. 229,107; June 21; Serial No. 244,522; published Apr. 12, 1927.
Voigt & Co., assignor to Voigt & Co., Chattanooga, Tenn. Antiseptic compound. 65,745; renewed Oct. 22, 1927.
Wadsworth-Howland Company, Chicago, Ill. Semigloss enamel-finish paint. 229,066; June 21; Serial No. 242,401; published Apr. 5, 1927.
Walker and Forbes, Inc., Mamaroneck, N. Y. Stuffing-box packing of a semimetallic nature. 229,131; June 21; Serial No. 243,532; published Apr. 12, 1927.
Wallace, R., & Sons Mfg. Co., Wallingford, Conn. Silver-plated flatware. 30,691; renewed Oct. 19, 1927.
Walser Manufacturing Company, The. (See Knecht, Louis.)
Warfield Pratt Howell Company, Sioux City, Des Moines, and Cedar Rapids, Iowa, to Warfield-Pratt-Howell Company, Des Moines, Iowa. Canned fruits and vegetables. 65,917; renewed Oct. 29, 1927.
Washington Barber Supply Co. (See Selkow, Irving.)
Wasmuth-Endicott Company, Andrews, Ind. Kitchen cabinets, tables, cabinets, etc. 229,229; June 21; Serial No. 243,027; published Apr. 12, 1927.
Watling, John B., doing business as Watling Scale Company, Chicago, Ill. Weighing scales. 229,311; June 21.
Waverly Oil Works Company. (See Willock, Samuel M., assignor.)

Weber, William G., doing business as Weber Correcto Belt Co., New York, N. Y. Corset belt. 229,270; June 21; Serial No. 244,260; published Apr. 5, 1927.
Weill, Nathan L., Inc., New York, N. Y. Furs and skins in the piece. 229,138; June 21; Serial No. 243,734; published Apr. 5, 1927.
Weingarten Bros., Inc., New York, N. Y. Women's fitted undergarments. 229,108; June 21; Serial No. 244,524; published Apr. 12, 1927.
Weisman, S., Co., Inc., New York, N. Y. Watches, watch movements, and parts of the same. 229,224; June 21; Serial No. 242,932; published Apr. 5, 1927.
Wellcome, Henry S., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicated wines. 64,465; renewed Aug. 6, 1927.
West Penn Cement Company, Butler, Pa. Cement. 229,241; June 21; Serial No. 241,552; published Apr. 5, 1927.
Western Glass Company, The, Streator, Ill. Figured sheet glass. 229,082; June 21; Serial No. 228,879; published Apr. 12, 1927.
Western Pine Manufacturers Association, Portland, Oreg. Lumber, woodwork, and lath. 229,057; June 21; Serial No. 243,333; published Mar. 29, 1927.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric transformers and equipment therefor. 229,199; June 21; Serial No. 233,341; published Apr. 5, 1927.
Weyerhaeuser Forest Products, St. Paul, Minn. Lumber and planing-mill products. 229,103; June 21; Serial No. 242,073; published Apr. 5, 1927.
Wheelock, Lovejoy & Company, Inc., Cambridge, Mass.; New York, N. Y.; Cleveland, Ohio; and Chicago, Ill. Iron and tool steels, machinery steels, and alloy and other steels. 229,182–3; June 21; Serial Nos. 243,128–4; published Mar. 29, 1927.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Artificial teeth. 229,350; June 21.
Whittier Select Citrus Association, Whittier, Calif. Lemons, oranges, and grapefruit. 229,205; June 21; Serial No. 235,189; published Jan 18, 1927.
Willock, Samuel M., assignor to Waverly Oil Works Company, Pittsburgh, Pa. Gasoline, illuminating oils, lubricating oils and greases. 62,424; renewed May 7, 1927.
Willock, Samuel M., assignor to Waverly Oil Works Company, Pittsburgh, Pa. Lubricating oils. 62,425; renewed May 7, 1927.
Willock, Samuel M., assignor to Waverly Oil Works Company, Pittsburgh, Pa. Illuminating oils. 62,426; renewed May 7, 1927.
Wills Products Company, The. (See Greene, William E.)
Wissig, Frank, Baltimore, Md. Children's chairs, tables, and desks. 229,053; June 21; Serial No. 242,327; published Apr. 12, 1927.
Wogoman, Verbin C., doing business as Wogoman Paint & Varnish Co., Los Angeles, Calif. Ready-mixed paints, paint enamels, lacquer, paint oils. 229,164; June 21; Serial No. 244,906; published Apr. 5, 1927.
Wood Flong Corporation, New York, N. Y. Stereotype mats or matrices. 229,187; June 21; Serial No. 243,181; published Mar. 29, 1927.
Worumbo Manufacturing Company, Bath, Me. Woolen goods. 229,312; June 21.
Wright, Fred R., Charlotte, N. C. Dresses. 229,286; June 21; Serial No. 243,990; published Apr. 5, 1927.
Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. 64,816; renewed Aug. 20, 1927.
Young, W. H., Corporation, Chicago, Ill. Ink remover. 229,176; June 21; Serial No. 226,324; published Mar. 29, 1927.
Za-Rex Food Products, Inc., Boston, Mass. Beverage sold as a soft drink. 229,340; June 21.
Zutz, Henry E., St. Paul, Minn. Creams, lotions, rouges, powders, etc. 229,139; June 21; Serial No. 243,737; published Apr. 12, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Adams, B. F., Bangor, Me. Gibson. For Cigars. 32,301; June 21.
Bradley, Thos. W., doing business as Bradley's Laboratory, Matoaka, W. Va. Hy-Phen. For Medicine for Headache, Neuralgia, Rheumatism, Lumbago, Sciatica, and Periodic Pains. 32,302; June 21.
Brocky, Benjamin D., Tampa, Fla. Sanitary wrapper. For Milk. 32,303; June 21.
Carpenter, Chas. F., Jonesville, Mich. M—23. For Cigars. 32,304; June 21.
Craig, David S., Vancouver, British Columbia, Canada. Adanac. For Medical Compound. 32,305; June 21.
Day & Meyer, Murray & Young, Inc., New York, N. Y. Portovault Container. For Steel Vaults or Boxes. 32,306; June 21.
Del Greco, Francis, doing business as Frank's Cut Rate Stores, Akron, Ohio. Silvertown Malt Extract. For Malt Extracts for Food Purposes. 32,312; June 21.
East Highlands Citrus Assn., East Highlands, Calif. Chanticleer. For Fresh Oranges. 32,307; June 21.
Fargason, J. T., Grocer Co., Memphis, Tenn. Fargo. For Coffee. 32,308; June 21.
Fargason, J. T., Grocer Co., Memphis, Tenn. Jay-Tee. For Coffee. 32,309; June 21.
Frank's Cut Rate Stores. (See Del Greco, Francis.)
Golden State Pickle Co. (See Juenemann, Leo J.)
Goldstein-Kirshner Co., New York, N. Y. Knight Kraft. For Athletic Underwear. 32,310; June 21.
Grasselli Chemical Company, The, Cleveland, Ohio. Grasselli Plant Food. For Plant Foods and Fertilizers. 32,311; June 21.
Harlock, Arthur L., Rockford, Ill. Dixie Barbecue Sauce. For Sauce. 32,313; June 21.
Hertzog, Franklin G., Arlington Heights, Ill. Hertzog's Gander. For Cigars. 32,314; June 21.
Juenemann, Leo J., doing business as Golden State Pickle Co., Los Angeles, Calif. Golden Pheasant. For Sweet Pickles. 32,315; June 21.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Imperial Club. For Sausage. 32,316; June 21.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Imperial Club. For Lard. 32,317; June 21.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Imperial Club. For Bacon. 32,318; June 21.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Imperial Club. For Ham. 32,319; June 21.
Karasick, Harry, Chicago, Ill. Karasick's Bronc-Asma. For a Remedy for Bronchitis and Bronchial Asthma. 32,320; June 21.
King Extract Co., San Francisco, Calif. King's. For Vanilla Extract. 32,321; June 21.
McEwen, Irving, Omaha, Nebr. Hairaide Hair Tonic and Dressing. For Medicinal Preparation for the Hair. 32,322; June 21.
Messerschmidt, Herman, doing business as Schmidt Products Company, Detroit, Mich. Camp-Fire. For Malt Sirup. 32,323; June 21.
Midway Chemical Company, Chicago, Ill. Fly Ded. For Insect Exterminator. 32,324; June 21.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Hall's Florette Assorted Chocolates. For Candy. 32,325; June 21.
North American Mercantile Company, San Francisco, Calif. Namco Baby Clams. For Canned Baby Clams. 32,326; June 21.
Northmont Hosiery Corporation, Reading, Pa. Northmout Silk Stockings. For Silk Stockings for Men and Women. 32,327; June 21.
Radium Research Foundation, Los Angeles, Calif. Radium-Sol. For Internal Remedy, Gland Activator, and Oxygenizer of the Blood Containing Nonequilibrated Radium in Solution. 32,328; June 21.
Rahayel, Chas. A., doing business as Rahayel Freres, Brooklyn, N. Y. Parfum Lily de Japon. For Perfume. 32,329; June 21.
Rode Bros., Philadelphia, Pa. Just Right. For Malt Sirup. 32,330; June 21.
Schlosser, Louis, doing business as L. Schlosser & Co., Chicago, Ill. De-Little-Tablets. For Tablets Composed of Malt and Sugar. 32,331; June 21.
Schmidt Products Company. (See Messerschmidt, Herman.)
Shine-On Company, The, Allston, Mass. Shine-On. For a Liquid for Cleaning Glass. 32,332; June 21.
Sullivan Company, The, Memphis, Tenn. A Sulco Product. For Cement-Mixing Compounds and Technical Products. 32,333; June 21.
Taste-T Foods, Inc., Boston, Mass. Doughnutists. For Doughnuts. 32,334; June 21.
Taste-T Foods, Inc., Boston, Mass. 'Taste-T' Foods. For 'Taste-T' Foods. 32,335; June 21.
Thivierge, Alice, Saco, Me. Pierrette. For Candy Bars. 32,336; June 21.
Wax-Ola M'f'g. Co., Muncie, Ind. Wax-Ola. For Pure Liquid Wax. 32,337; June 21.
Young & Griffin Coffee Co., Inc., New York, N. Y. 5th Avenue Coffee. For Coffee. 32,338; June 21.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. Blue Band Velvet Pencils No. 141. For Pencils. 9,961; June 21.
American Lead Pencil Company, New York, N. Y. Unique Thin Lead Colored Pencils C-66. For Pencils. 9,962; June 21.
B. V. D. Company, Inc., The, New York, N. Y. Ever Realize The Trust you Put in an Underwear Label? For Athletic Underwear. 9,965; June 21.
Beranek, James C., doing business as Douglas Coal Company, Chicago, Ill. R-Coal Is Genuine. For Coal. 9,963; June 21.
Boyle, A. S., Company, The, Cincinnati, Ohio. Lasting Floor Beauty Sealed in by The Old English Wax Film. For Old English Liquid Wax. 9,964; June 21.
Cactus Mfg. Co. (See Evans, Chauncey J.)
Camp, S. H., doing business as S. H. Camp & Company, Jackson, Mich. Authorized Service. For Surgical Supports. 9,966; June 21.
Cream of Wheat Co., Minneapolis, Minn. You Expect Great Things of Him. For Wheat Breakfast Food. 9,967; June 21.
Cream of Wheat Co., Minneapolis, Minn. Now he Must Learn to Handle Solid Food. For Wheat Breakfast Food. 9,968; June 21.
D & C Co., Inc., The, Wilmington, Del., and Brooklyn, N. Y. For Dessert My-T-Fine. For Dessert Preparations. 9,969–70; June 21.
Douglas Coal Company. (See Beranek, James C.)
Evans, Chauncey J., doing business as Cactus Mfg. Co., Los Angeles, Calif. Kaktus Kid. For Blow-Out Boots for Tires. 9,971; June 21.
Moorman Manufacturing Company, Quincy, Ill. You Mail The Tag—We'll Mail The Bag. For Livestock Mineral Feeds. 9,972; June 21.
Richmond Piston Ring Company, Richmond, Ind. Guaranteed For the Life of The Motor. For Piston Rings. 9,973; June 21.
Stanco Distributors, Incorporated, Wilmington, Del. Sell Flit Now For Moths. For Insecticide. 9,974; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit 50. For Insecticide. 9,975; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit 45. For Insecticide. 9,976; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit 46. For Insecticide. 9,977; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit 49. For Insecticide. 9,978; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit 47. For Insecticide. 9,979; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Flit 48. For Insecticide. 9,980; June 21.
Standard Oil Company (New Jersey), Bayonne, N. J. The New Treatment For Coughs and Colds Mistol. For Nose and Throat Spray. 9,981; June 21.
Union Metal Manufacturing Company, The, Canton, Ohio. Architect's Notation Blank. For Metal Columns. 9,982; June 21.
Wax-Ola M'f'g. Co., Muncie, Ind. Wax-Ola. For Pure Liquid Wax. 9,983; June 21.
Wheeler Company, Incorporated, The, Louisville, Ky. Old Cutter Whiskies. For Whiskies. 9,984; June 21.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Alliance Art Products Company, The, Alliance, Ohio. Face powders, creams and packs, toilet waters, rouges, etc. 248,025; June 21.
Alphaden Company, The. (See Meyer, Charles A.)
Altman, B., & Co., New York, N. Y. Dresses and wraps. 221,687; June 21.
Amalgamated Leather Companies, Inc., Wilmington, Del.; Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Rochester, N. Y.; Chicago, Ill.; and St. Louis, Mo. Kid, glazed kid, and other leathers. 247,881; June 21.
American Company of Arkansas, Little Rock, Ark. Coffee. 245,133; June 21.
American Crayon Company, The, Sandusky, Ohio. Crayons. 246,459; June 21.
American Parlor Furniture Company, Chicago, Ill. Beds. 230,815; June 21.
Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 248,805; June 21.
Anderson, A. W., New York, N. Y. Compound for killing and repelling insects, for cleaning textiles, etc. 247,514; June 21.
Antidan Company, The. (See Hilt, Alice M.)
Arctic Nu-Air Corporation, Chicago, Ill. Air conditioning apparatus and ventilating systems. 242,271; June 21.
Art Book Binding Co., Inc., New York, N. Y. Albums. 247,986; June 21.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics. 248,465; June 21.
Ballou, B. A., & Co., Inc., Providence, R. I. Ankle straps for shoes. 247,062; June 21.
Baskind, Louis, & Co. Inc., New York, N. Y. Shirts. 237,531; June 21.
Battle Creek Wafer & Specialty Company. (See Muller Bakeries, Inc.)
Beich, Paul F., Company, Bloomington, Ill. Candy. 248,807; June 21.
Benider & Schiesinger. (See Schiesinger, Maurice F.)
Berkshire Knitting Mills, Wyomissing, Reading, Pa. Ladies' full-fashioned hosiery. 247,665–7; June 21.
Best & Co., Inc., New York, N. Y. Mirrors, pillows, bassinets, mattresses, etc. 242,467; June 21.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 246,589; June 21.
Böker, Heinr., & Co., Solingen, Germany. Scissors and shears. 237,718; June 21.
Booth, F. E., Co., San Francisco, Calif. Canned fruits, vegetables, and sardines. 247,926; June 21.
Boyle, C. A., & Company, Chicago, Ill. Cotton piece goods. 245,327; June 21.
Brown, Grace L., Cleveland, Ohio, and Chicago, Ill. Educational easels. 247,518; June 21.
Brown-Leithold Company, Los Angeles, Calif. Paints, enamels, varnishes, etc. 247,165; June 21.
Browning Hosiery Mills, Inc., Chattanooga, Tenn. Women's seamless tapered heel hose. 247,885; June 21.
Builder's Specialty Co., Inc., Philadelphia, Pa. Cement colors. 247,519; June 21.
Bulletin Company, Philadelphia, Pa. Heading for newspaper articles. 246,885; June 21.
Bur-Bee Candy Co., Walla Walla, Wash. Candy. 248,994–6; June 21.
Burkhardt Bros. Co., The, Cincinnati, Ohio. Tuxedos and shirts. 246,152; June 21.
Cactus Manufacturing Co. (See Evans, Chauncey J.)
Campbell Coal Company, Atlanta, Ga. Coal. 244,539; June 21.
Campbell, Ross C., Springfield, Ill. Window awnings. 240,127; June 21.
Capitol City Distributing Company. (See Gloeckner, P. J.)
Carter's Ink Company, The, Cambridge, Mass. Typewriter ribbons and carbon paper. 248,812; June 21.
Cassatly, A., & Co., New York, N. Y. Olive oil. 247,409; June 21.
Central Shoe Company, St. Louis, Mo. Shoes. 233,103; June 21.
Century Printing Co. (See Hofmann, Peter C.)
Chanin, Leo, New York, N. Y. Publications of advertisements and advertising prints. 244,817; June 21.
Chicago Boiler Company, Chicago, Ill. Storage tanks for oil and water. 246,075; June 21.
Chicagoan Publishing Company, The, Chicago, Ill. Magazines. 247,778; June 21.
Citrus Products Company, Chicago, Ill. Flavors for frozen confections or other foods. 212,173; June 21.
Clarion Knitting Mills, Inc., New York, N. Y. Underwear, ties, scarfs, and mufflers. 248,392; June 21.
Clifford, H. B., Roofing Co., Detroit, Mich. Roofing material. 245,692; June 21.
Coe, Frederick E., London, England. Medicinal tonics. 240,768; June 21.
Coffield Washer Co., The, Dayton, Ohio. Clothes wringers. 246 466; June 21.
Cohen, David, doing business as Reliant Supply Company, New York, N. Y. Hatchets and crate openers. 248,222; June 21.
Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 248,393; June 21.
Colhouer, David O., Pawhuska, Okla. Preparation for the treatment of running and barking fits in dogs. 247 522; June 21.
Consolidated Cigar Corporation, New York, N. Y. Cigars. 248,954; June 21.
Continental Motors Corporation, Detroit, Mich. Internal-combustion engines, etc. 213,279; June 21.
Cosby-Wirth Manifold Book Company, The, Minneapolis, Minn. Triplicating sales books. 247,127; June 21.
Cox Cylinder Works, Oakland Calif. Machine tools and equipment. 247,675; June 21.
Crystallite Products Company, Detroit, Mich. Washing compound. 239,510; June 21.
Curby, Roy B., Fort Worth, Tex. Medicine. 244,990; June 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dayton Air Compressor Company, The, Dayton, Ohio. Air compressors. 239,166; June 21.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Pumps. 248,091; June 21.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Water-softening apparatus. 248,093; June 21.
Dececco, Vincent T., Joliet, Ill. Hair tonic and dandruff remedy. 248,397; June 21.
De Mott Beatrice G., Englewood, N. J. Sport frocks. 243,427; June 21.
Denend, Joseph F., doing business as Wurzenburg Malt Extract Co., Chicago, Ill. Malt sirup. 247,264; June 21.
De Tessan, S., Paris, France. Product for blackening the eyes. 231,095; June 21.
Drackett Chemical Company, The, Cincinnati, Ohio. Chemical for cleansing drains, sinks, washbowls, etc. 247,937; June 21.
Dreifuss, Leopold, San Francisco, Calif. Paint sets. 245,699; June 21.
Drucker, Samuel B., doing business as Visa Company, New York, N. Y. Mayonnaise. 247,603–4; June 21.
Ducharne, F., Silk Co. Inc., New York, N. Y. Silk piece goods. 248,819; June 21.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 248,821; June 21.
Duplan Silk Corporation New York, N. Y. Rayon piece goods. 248,822; June 21.
East Highlands Citrus Assn., East Highlands, Calif. Citrous fruits. 249,046; June 21.
Eastern Advertising Company, Inc., Pawtucket, R. I. Milk-bottle caps with attached order cards. 247,418; June 21.
Eclipse Paint & Color Co., St. Louis, Mo. Metal paint. 248,163; June 21.
Elkhart Enamel & Paint Corporation, Elkhart, Ind. Paints, varnish, lacquer, and paint enamel. 246,892; June 21.
Elliott, Rosa B., Berwyn, Okla. Hair grower. 233,815; June 21.
El Paso Times Company, The, El Paso, Tex. Newspapers. 232 723; June 21.
Epstein Frank & Lochner Inc., Buffalo, N. Y. Suits and overcoats. 247,992; June 21.
Evans, Chauncey J., doing business as Cactus Manufacturing Co., Los Angeles, Calif. Dust mops and unimpregnated dust cloths. 242,828; June 21.
Ewing, Lawrence J., Haverhill, Mass. Shoe patterns. 247,682; June 21.
Exceleo Products Company, West Allis, Wis. Top finishes and glaze finishes. 241,271; June 21.
Fison Paint Products Company. (See Siegel, F. I., & Son.)
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 248,765; June 21.
Franklin Simon & Co. Inc., New York, N. Y. Undergarments, coats, bath robes, etc. 240,814; June 21.
Franklin Simon & Co., Inc., New York, N. Y. Perfumes and hygienic products. 244,552; June 21.
Fruit Growers Supply Company, Los Angeles, Calif. Lumber. 246,473–4; June 21.
Gas Refrigeration Corporation, Scranton, Pa. Refrigerating parts. 248,680; June 21.
Gash-Stull Company, Chester, Pa. Plows, harrows, rakes, seeders, etc. 243,936; June 21.
Gaylord Brothers, Incorporated, Syracuse, N. Y. Book-repair kits. 247,993; June 21.
General Radium Laboratories, Los Angeles, Calif. Medicinal preparation. 247,945; June 21.
Gerr, Harry, Inc., New York, N. Y. Hairdressings. 248,491; June 21.
Gloeckner, P. J., doing business as Capitol City Distributing Company, Columbus, Ohio. Malt sirup. 247,182; June 21.
Glorioso, Angelo, New Orleans, La. Tomato paste. 233,986; June 21.
Goldstein, Samuel, New York, N. Y. Cravats. 242,180; June 21.
Goodrich-Gamble Company, St. Paul, Minn. Face powder, rouge, rouge and loose powder combination, rose cream, etc. 248,099; June 21.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Cured fish. 247,998; June 21.
Graham Paper Company, St. Louis, Mo. Bristol board. 248,633; June 21.
Grays Harbor Baking Company, Aberdeen, Wash. Bread. 246,896; June 21.
Gros, Grenier, Ostorero & Cie., Saint-Claude (Jura), France. Pipes, cigar and cigarette holders, and tobacco pouches. 240,255; June 21.
Haram, S. A., & Co. Inc., New York, N. Y. Canned fish. 205,334; June 21.
Harlan Milling Company, Bardwell, Ky. Wheat flour. 248,772; June 21.
Harper & Kirschten Shoe Co., The, Chicago, Ill. Shoes. 244,154; June 21.
Harrison & Eichenlaub; said Eichenlaub assignor to said Harrison, Chicago, Ill. Beverage. 199,887; June 21.
Hauck Milling Company, St. Joseph, Mo. Wheat flour. 203,815; June 21.
Haupt, B., Inc., Brooklyn, N. Y. Christmas ornaments. 211,437; June 21.
Helfenstein-Schlesinger Co. Inc., New York, N. Y. Handkerchiefs. 245,907; June 21.
Hilt, Alice M., doing business as The Antidan Company, Allendale, N. J. Preparation for treating the scalp and removing dandruff. 241,158; June 21.
Hoehn, W. R., Co., Inc., New York, N. Y. Silk piece goods. 248,231; June 21.
Hofmann, Peter C., doing business as Century Printing Co., St. Louis, Mo. Envelopes, letterheads, billheads, etc. 237,414; June 21.
Holden, John A., Baltimore, Md. Mailing sheet. 248,103; June 21.
Home Builders Catalog Co., Chicago, Ill. Annual publication. 245,486; June 21.
Howards & Sons Limited, Ilford, England. Solvents. 248,697–9; June 21.
Hudnut, Richard, New York, N. Y. Rouge, lip stick, and face powder. 248,904–6; June 21.
Illinois Iron & Bolt Company, Carpentersville, Ill. Shock absorbers and automobile heaters. 247,085; June 21.
International Agricultural Corporation, New York, N. Y. Fertilizers. 244,306; June 21.
Irex Products Company. (See Rosenbaum, Edward.)
Johnson Coffee Co., Chattanooga, Tenn. Coffee. 248,301; June 21.
Karasick, Harry, Chicago, Ill. Medicine. 246,689; June 21.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Cotton and linen sheets, cotton pillowcases, etc. 246,959; June 21.
Kenfield-Davis Publishing Company, Chicago, Ill. Magazines. 245,563; June 21.
Kenmore Co., The. (See Whitney, Walter R.)
Kennedy, Augustine J., Brooklyn, N. Y. Nail polish, toilet water, lip rouge, face rouge, face powder, etc. 243,370–1; June 21.
Keystone Aircraft Corporation, Bristol, Pa. Aircraft. 247,374–5; June 21.
Knox Hat Company, Inc., New York, N. Y. Hats for men. 247,190; June 21.
Koln-Rottweil Aktiengesellschaft, Berlin, Germany. Silk and other fibers made from cellulose. 235,482; June 21.
Ladd Hoffmann Products Co., Los Angeles, Calif. Jams, jellies, and marmalades. 245,140; June 21.
Lemler, Harry, doing business as Lemler's Drug Stores, Baltimore, Md. Face powder, skin whitener, ointment, rouge, etc. 249,072; June 21.
Levi & Seligman, Inc., New York, N. Y. Dresses. 243,380; June 21.
Lewy Chemical Company, New York, N. Y. Garment bags of paper. 244,872–3; June 21.
Lionel Trading Co. Inc., New York, N. Y. Rouge compacts. 248,916; June 21.
Littel Candy Co. (See Weinstein & Smith.)
Lord & Taylor, New York, N. Y. Extracts of perfumes and of toilet waters. 245,916; June 21.
M & W Chemical Company, The, Chicago, Ill. Pomade. 248,287; June 21.
Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va. Plug, twist, cut-plug smoking tobacco, and leaf tobacco. 245,444; June 21.
Malka Water Co. Inc., New York and Long Island City, N. Y. Medicated water. 248,371; June 21.
Martinez, B., Sons Co., San Antonio, Tex. Corn flour. 247,553; June 21.
McEwen, Irving, Omaha, Nebr. Toilet, cold, cleansing, and vanishing cream, toilet powder, etc. 248,584; June 21.
McGrane, James L., Buffalo, N. Y. Mechanically-operated direction signals for automobiles. 247,338; June 21.
McLaurin-Jones Co., Brookfield, Mass. Gummed paper or cloth tape. 247,623; June 21.
McLaurin-Jones Co., Brookfield, Mass. Gummed paper and cloth. 247,624; June 21.
McNeal, H. B., doing business as Pittsburgh Pretzel Co., Limited, Pittsburgh, Pa. Potatoes. 247,478; June 21.
Menke, Kaufmann & Co., Inc., New York, N. Y. Silk chiffon cloth. 248,043; June 21.
Mentho Jell Company, Inc., Albert Lea, Minn. Medicine. 232,024; June 21.
Merck, E., Darmstadt, Germany. Chemical preparation for use in medicine. 243,961; June 21.
Meyer, Charles A., doing business as The Alphaden Company, Chicago, Ill. Medical preparation. 248,965; June 21.
Moret, Parfumeur. (See Peoples Drug Stores Inc.)
Muller Bakeries, Inc., doing business as Battle Creek Wafer & Specialty Company, Grand Rapids, Mich. Bread. 233,500; June 21.
Munsey, Frank A., Company, The, New York, N. Y. Magazine. 246,109; June 21.
Myers, Euromus H., Keedysville, Md. Skin lotion. 247,200; June 21.
National Dental Company, Newark, N. J. Sterilized dentifrices. 243,165; June 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

New England Spun Silk Corporation, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y. Yarns spun from artificial-silk fibers. 248,920; June 21.

New England Spun Silk Corporation, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y. Yarns spun from blends of artificial-silk and silk fibers. 248,921; June 21.

Newman, I. C., Co. Inc., New York, N. Y. Flares for night photography and for lighting and signal purposes. 248,856; June 21.

Non-Smut Carbon Mfg. Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbons. 247,629; June 21.

North American Mercantile Company, San Francisco, Calif. Canned crab meat. 249,088; June 21.

Novelty Candy Co., Seattle, Wash. Candy. 232,933; June 21.

Nuvo Corporation, The, New York, N. Y. Dry cleaners. 246,356; June 21.

O'Berry & Hall Company, Tampa, Fla. Matches. 248,857; June 21.

O'Conor, Beatrice, Newton Centre, Mass. Cigars and cigarettes. 248,714; June 21.

Ohio Varnish Company, The, Cleveland, Ohio. Spraying lacquer, lacquer thinner, etc. 247,202; June 21.

Old Trusty Dog Food Company, Needham Heights, Mass. Dog food. 244,090; June 21.

Oregon Induction Co., The. (See Potter, Thomas I.)

Oregonian Publishing Company, The, Portland, Oreg. Title for a column of news. 247,340; June 21.

Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Elevators, escalators, endless carriers, inclined railways, etc. 248,715; June 21.

Owl Drug Co., The, San Francisco, Calif. Sanitary napkins. 243,558; June 21.

Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits and vegetables. 242,741; June 21.

Padelford, Chester O., doing business as The Vendre Company, Glen Ridge, N. J., and Boston, Mass. Cold creams. 246,622; June 21.

Parker Pen Company, The, Janesville, Wis. Fountain pens and pens. 247,702; June 21.

Parks, Ernest W., Ontario, Calif. Medicine for garget and inflammation and swollen udders in cows. 243,064; June 21.

Pennsylvania Sugar Company, Philadelphia, Pa. Denatured alcohol. 234,630; June 21.

Pennsylvania Sugar Company, Philadelphia, Pa. Pure ethyl alcohol. 248,193; June 21.

Peoples Bottling Company Inc., Akron, Ohio. Beverages and sirups for making the same. 249,092; June 21.

Peoples Drug Stores Inc., doing busines as Moret, Parfumeur, Washington, D. C. Toilet water, cold cream, vanishing cream, face powder, etc. 247,705; June 21.

Pickwick Dress Company, New York, N. Y. Dresses, coats, and suits. 247,443; June 21.

Pittsburgh Pretzel Co., Limited. (See McNeal, H. B.)

Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Furniture. 246,707; June 21.

Portage Tool Company, The, Akron, Ohio. Chisels, hammers, rivet sets, punches, etc. 238,233; June 21.

Potter, Thomas I., doing business as The Oregon Induction Co., Portland, Oreg. Vibrating induction coil used exclusively for therapeutic purposes. 246,929; June 21.

Pozzoni, J. A., Pharmacal Company, The, New York, N. Y. Complexion powder. 245,920; June 21.

Premier Color Works, New York, N. Y. Food-flavoring extracts. 231,631; June 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Stearic acid. 248,127; June 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Red oil. 248,128; June 21.

Prym, William, G. m. b. H., Stolberg, Germany. Pins, safety pins, snap fasteners, etc. 245,312; June 21.

Quaker City Rubber Company, Wissinoming, Philadelphia, Pa. Belting. 247,446; June 21.

Readers' Publishing Corp., New York, N. Y. Publication. 245,921; June 21.

Red Mill Packing Co. Inc., New York, N. Y. Potatoes. 247,818; June 21.

Reed Bird Malt and Hops Company, Baltimore, Md. Malt and hops compound. 247,819; June 21.

Reflexol Products Co. (See Stollenwerk, Jacob.)

Reliant Supply Company. (See Cohen, David.)

Rexzold Manufacturing Company, Wilmington, Del. Photographs. 245,369; June 21.

Richland Fruit Co., Shafter, Calif. Grapes. 246,633; June 21.

Roche, Richard J., Haverhill, Mass. Women's leather shoes. 248,517; June 21.

Rockland Chemical Co., Newark, N. J. Insecticides. 248,129; June 21.

Rosenbaum, Edward, doing business as Irex Products Company, New York, N. Y. Poultry tonic. 247,449; June 21.

Rosenberg, Harry, & Co., New York, N. Y., and Paris, France. Ladies' hats. 247,909; June 21.

Ross, Sydney, Co., The, Newark, N. Y. Soap. 246,940; June 21.

Russell Manufacturing Co., The, Middletown, Conn. Snubber rings for aeroplanes. 246,779; June 21.

Salomon, Charles, & Co. Inc., New York, N. Y. Dresses. 247,987; June 21.

Sandage Company, The, Chicago, Ill. Fluid-fuel-burning space heaters, water heaters, ovens, etc. 244,723; June 21.

Sapiro, I. & B., Cloak Co., New York, N. Y. Ladies' coats. 238,195; June 21.

Schlesinger, Maurice F., doing business as Benider & Schlesinger, New York, N. Y. Toilet and facial products. 244,325; June 21.

Schocket-Ritter Co., Inc., New York, N. Y. Ladies' purses, hand bags, and pocketbooks. 248,652; June 21.

Schofield, Harry J., Peoria, Ill. Concrete hardener, waterproofer, and preserver. 247,291; June 21.

Seeman Brothers, Inc., New York, N. Y. Cherries in sirup. 238,235; June 21.

Segelman, Jacob P., & Company, Detroit, Mich. Razor blades. 248,597; June 21.

Sheridan-Wyoming Coal Company, Incorporated, Sheridan, Wyo. Coal. 246,002; June 21.

Shirek & Hirsch, New York, N. Y. Men's and young men's coats, vests, trousers, etc. 242,093; June 21.

Shoreham Manufacturing Co. Inc., Winfield, N. Y. Toilet sets, etc. 247,147; June 21.

Siegel, F. I., & Son, doing business as Fison Paint Products Company, Union City, N. J. Paints, varnish, lacquer, and paint enamels. 245,411; June 21.

Simonovitz, Samuel, doing business as S. Simonovitz & Co., Cleveland, Ohio. Beverage. 246,573; June 21.

Spector Brothers, Philadelphia, Pa. Men's and young men's suits, topcoats, overcoats, knickers, etc. 247,758; June 21.

Sperbeck, Oscar, Poughkeepsie, N. Y. All leaf cigar clippings, and Habana smoking tobacco. 243,119; June 21.

Spreckels, J. D. and A. B., Securities Company, San Francisco, Calif. Sugar. 210,294; June 21.

Stahl, Otto, Inc., New York, N. Y. Lard. 247,563; June 21.

Stollenwerk, Jacob, doing business as Reflexol Products Co., New York, N. Y. Metal polish. 246,447; June 21.

Stone, Clarence G., Mount Vernon, N. Y. Pile ointment. 248,019; June 21.

Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Iron and steel in bars, blooms, and rings. 241,071; June 21.

Studebaker Corporation, The, South Bend, Ind. Automobiles and structural parts thereof. 247,977; June 21.

Studebaker Corporation, The, South Bend, Ind. Internal-combustion engines and structural parts thereof. 247,978; June 21.

Swift and Company, Chicago, Ill. Glue. 248,533; June 21.

Students Two-Pants Clothing Company, Inc., New York, N. Y. Men's, boys', and youths' coats, vests, and trousers. 248,204; June 21.

Texas Vegetable Oil Co., San Antonio, Tex. Vegetable shortening. 248,022; June 21.

Thomas, Stuart K., Hanford, Calif. Fresh fruits, grapes, vegetables, and melons. 238,561; June 21.

Tip Top Bottling Co., St. Louis, Mo. Beverages sold as soft drinks. 241,454; June 21.

Traun, Dr. Heinr., & Söhne, vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany. Synthetic and other artificial resins. 230,059; June 21.

Traylor Vibrator Company, The, Denver, Colo. Screens or screening machines. 246,515; June 21.

Traymore Laboratories, New York, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 247,899; June 21.

Triplex Safety Glass Company of North America, Hoboken, N. J. Laminated nonshatterable or safety glass. 246,183; June 21.

Tyler Manufacturing Company, The, Muncie, Ind. Jar lifters and jar wrenches. 245,524; June 21.

Tylo Manufacturing Co., Chicago, Ill. Tile. 242,976; June 21.

Union Tank & Pipe Co., Los Angeles, Calif. Storage tanks and metal shipping drums. 226,698; June 21.

United States Laboratories, Davenport, Iowa. Insecticide. 244,639; June 21.

Universal Gypsum & Lime Co., Chicago, Ill. Composition construction blocks and partition tile. 236,821; June 21.

Utility Manufacturing Company Inc., Baltimore, Md. Sponge baskets, soap trays, etc. 246,723; June 21.

Van Dyke Knitting Company, Milwaukee, Wis. Underwear. 246,520; June 21.

Vendre Company, The. (See Padelford, Chester O.)

Victoria Paper Mills Company, The, Fulton, N. Y. Toilet paper. 248,602; June 21.

Visa Company. (See Drucker, Samuel B.)

Vitalait Laboratory of California, Inc., The, Pasadena, Calif. Blood coagulants produced from lymphoid glands. 248,139; June 21.

Vitaphone Corporation, The, New York, N. Y. Synchronized apparatus for simultaneously reproducing light and sound effects, etc. 235,441; June 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Wagner, Gueuther, Hanover, Germany. Water colors, oil paints etc. 245,981; June 21.

Wagner, S. C., Toledo, Ohio. Ointment. 247,300; June 21.

Wanner Woven Label Co. Inc., New York, N. Y. Woven labels. 247,348; June 21.

Waters-Genter Company, Minneapolis, Minn. Device intended to maintain the freshness of bakery products by means of a heated medium. 246,725; June 21.

Weber Costello Co., Chicago Heights, Ill. Dustless crayons. 229,994; June 21.

Weinstein & Smith, doing business as Littel Candy Co., Washington, D. C. Candy. 212,984; June 21.

Weiss, Frank & Gintel, Inc., New York N. Y. Fur coats, capes, wraps, underwear, hosiery, etc. 247,349; June 21.

Weitz, Geo. A., Los Angeles, Calif. Fresh vegetables and fresh deciduous and citrous fruits. 244,899; June 21.

Weldsit Mfg. Co., Philadelphia, Pa. Adhesive compound. 239,448; June 21.

Wells, Maud H., doing business as Mrs. Stanley Wells, Saskatoon, Saskatchewan, Canada. Medicines. 231,777; June 21.

Western Bottle Manufacturing Company, doing business as The Western Company, Chicago, Ill. Powder puffs. 247,836; June 21.

Western Bottle Manufacturing Company, doing business as The Western Company, Chicago, Ill. Powder puffs. 248,069; June 21.

Western Soap & Chemical Co., Los Angeles, Calif. Toilet preparation and solvent for drainpipe obstructions and laundry bleach. 245,175; June 21.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Metallic piston-packing rings. 244,261–4; June 21.

Weymac Manufacturing Corp., The, New York, N. Y. Paints, paint enamels, and varnishes. 244,807; June 21.

Wheeler, Harvey C., doing business as Wheeler Clean Towel Company, Boston, Mass. Fabric towel. 247,652; June 21.

White Tar Company of New Jersey, Inc., The, Kearny, N. J. Bath salts. 248,981; June 21.

Whitlock Cordage Company, New York, N .Y. Rope. 240,636; June 21.

Whitney, Walter R., doing business as The Kenmore Co., Boston, Mass. Window and glass cleaner. 246,869; June 21.

Willis, George, & Sons, Ltd., London, England and New York, N. Y. Silks, cottons, woolens, and rayon fabrics. 241,308; June 21.

Winchester Repeating Arms Company, New Haven, Conn. Radiators and parts thereof. 247,920; June 21.

Witting Bros. Limited, London, England. Glass articles. 244,339; June 21.

Wurzenburg Malt Extract Co. (See Denend, Joseph F.)

Ziv Steel & Wire Company, Chicago, Ill. Publication. 247,303; June 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. W. G. Block Company. 229,248; June 21; Serial No. 241,861; published Mar. 29, 1927.

Coal. Central Pocahontas Coal Company. 229,095; June 21; Serial No. 242,226; published Mar. 29, 1927.

Coal. Dexter-Carpenter Coal Company. 229,251; June 21; Serial No. 244,058; published Apr. 5, 1927.

Coal. Dexter-Carpenter Coal Company. 229,252; June 21; Serial No. 244,062; published Apr. 5, 1927.

Cryolite. Pennsylvania Salt Manufacturing Company. 229,256; June 21; Serial No. 244,105; published Apr. 5, 1927.

Furs and skins. Nathan L. Weill, Inc. 229,138; June 21; Serial No. 243,734; published Apr. 5, 1927.

Leather. Barnet Leather Co. 229,278; June 21; Serial No. 243,919; published Apr. 5, 1927.

Rubber. Naamlooze Vennootschap Rubber Cultuur Maatschappij Amsterdam. 229,237; June 21; Serial No. 241,428; published Mar. 29, 1927.

Seeds, Flower, garden, and field. Forrest Seed Co. Inc. 229,236; June 21; Serial No. 241,334; published Apr. 5, 1927.

Seeds, Lawn-grass. Albert Dickinson Company. 229,188; June 21; Serial No. 243,186; published Mar. 29, 1927.

Soapstone, uncured sheet rubber, uncured camel-back rubber, etc. Fisk Rubber Company. 229,186; June 21; Serial No. 243,146; published Mar. 29, 1927.

Tar, pitch, etc. Tar Products Corporation. 229,083; June 21; Serial No. 229,416; published Mar. 29, 1927.

CLASS 2.

Cases, Mailing. Improved Mailing Case Co. 30,474; renewed Aug. 3, 1927.

Compacts, Dental. Denti-Kompak Company. 229,089; June 21; Serial No. 232,995; published Aug. 17, 1926.

Metal goods. Kelley-How-Thomson Co. 63,499; renewed June 25, 1927.

Stationery, Miscellaneous. Tiffany & Company. 30,599; renewed Oct. 5, 1927.

CLASS 4.

Ink remover for type. W. H. Young Corporation. 229,176; June 21; Serial No. 226,324; published Mar. 29, 1927.

Polish, Stove. H. C. Bomhard. 62,495; renewed May 7, 1927.

Soap. James S. Kirk & Company. 229,232; June 21; Serial No. 240,981; published Feb. 15, 1927.

Soap. Robinson Bros. & Company Incorporated. 65,760; renewed Oct. 22, 1927.

CLASS 6.

Antifreeze mixture for use in the radiators of motor vehicles. G. P. Keesee. 229,055; June 21; Serial No. 243,315; published Apr. 12, 1927.

Antiseptic compound. Voigt & Co. 65,745; renewed Oct. 22, 1927.

Carbonic-acid gas, Compressed. Aerator's Limited. 30,214; renewed June 15, 1927.

Chemical compounds, preparations, and powders. Lovis' Cove Gift Shop, Inc. 229,090; June 21; Serial No. 244,455; published Apr. 12, 1927.

Chemical preservatives for meats, meat products, sausage, etc. Preservaline Manufacturing Company. 229,065; June 21; Serial No. 242,498; published Apr. 12, 1927.

Coal-tar-colors including artificial indigo. Farbwerke vorm. Meister Lucius & Brüning. 63,778; renewed July 9, 1927.

Corn cure. A. Giuliani. 229,317; June 21.

Cough sirup. S. L. Fuller. 229,294; June 21; Serial No. 244,296; published Apr. 12, 1927.

Cream, Dental. Colgate & Company. 229,287; June 21; Serial No. 244,001; published Apr. 12, 1927.

Cream, Face. San-I-Sal Laboratories, Inc. 229,181; June 21; Serial No. 243,117; published Apr. 12, 1927.

Creams, lotions, rouges, powders, etc. H. E. Zutz. 229,139; June 21; Serial No. 243,737; published Apr. 12, 1927.

Deodorant, Toilet, Viking Laboratories, Incorporated. 229,268; June 21; Serial No. 244,254; published Apr. 12, 1927.

Fumigants intended for use as an exterminator of bugs, larva, etc. Isco Chemical Company. 229,338; June 21.

Hairdressing, tooth wash, etc. Joseph Burnett Company. 229,309; June 21; Serial No. 242,706; published Apr. 12, 1927.

Herb extracts for medicinal beverages. Egon Braun Aktiengesellschaft. 229,072; June 21; Serial No. 235,946; published Apr. 12, 1927.

Insecticide or powder. Fly. I. Silverman. 229,034; June 21; Serial No. 243,288; published Apr. 12, 1927.

Insecticides, meat-curing preparations and compounds, food colors, chemical preparations, etc. B. Heller & Company. 229,125; June 21; Serial No. 243,491; published Apr. 12, 1927.

Laxative. W. D. Carlin. 229,314; June 21.

Lime, Hydrated. Chemical Lime Company. 229,225; June 21; Serial No. 242,983; published Apr. 12, 1927.

Lime, Hydrated. Chemical Lime Company. 229,226; June 21; Serial No. 242,895; published Apr. 12, 1927.

Lip stick, depilatory, astringent lotion, almond cream, etc. A. H. Arit. 229,148; June 21; Serial No. 245,316; published Apr. 12, 1927.

Lotion, Skin. Viking Laboratories, Incorporated. 229,269; June 21; Serial No. 244,255; published Apr. 12, 1927.

Medicated wines. H. S. Wellcome. 64,465; renewed Aug. 6, 1927.

Medicinal plasters. N. C. Becker. 30,595; renewed Sept. 28, 1927.

Medicine. B. A. Hardy. 229,042; June 21; Serial No. 245,093; published Apr. 12, 1927.

Medicine. M. Kono. 229,035; June 21; Serial No. 243,372; published Apr. 12, 1927.

Mineral substances. W. R. Ewing. 229,334; June 21.

Mouth wash. Duborel Corporation. 229,318; June 21.

Oils. Technische Chemikalien-Compagnie G. m. b. H. 229,061; June 21; Serial No. 242,555; published Apr. 12, 1927.

Ointment. Good Samaritan Ointment Company. 55,682; renewed Aug. 21, 1927.

Perfumes. H. H. Erwin Co. 229,293; June 21; Serial No. 244,350; published Apr. 12, 1927.

Poison-ivy extract. H. K. Mulford Company. 229,039; June 21; Serial No. 243,449; published Apr. 12, 1927.

Polish, Nail. I. Selkow. 229,341; June 21.

Powder for photographic use, Flash. I. C. Newman Co. Inc. 229,274; June 21; Serial No. 243,821; published Apr. 12, 1927.
Powder, Skin. G. S. Heyer. 229,062; June 21; Serial No. 242,538; published Apr. 12, 1927.
Preparation for chemically blackening red stove lids. A. H. Paradis. 229,044; June 21; Serial No. 245,159; published Apr. 12, 1927.
Preparation for the treatment of chills, fever, etc. F. G. Usry. 229,046; June 21; Serial No. 245,170; published Apr. 12, 1927.
Preparations for protecting animal substances. I. G. Farbenindustrie Aktiengesellschaft. 229,096; June 21; Serial No. 242,170; published Apr. 12, 1927.
Preparations for soldering and coating metals. Küpper's Metallwerke Gesellschaft mit beschränkter Haftung. 63,910; renewed July 16, 1927.
Preparations for treating the hair and skin, hair tonic, tonic brilliantine, vanishing and scalp cream, etc. A. C. Smith. 229,223; June 21; Serial No. 242,860; published Apr. 12, 1927.
Preparations or medicines for pains and aches of nervous or organic origin, etc. Bayer Company. 229,153; June 21; Serial No. 244,738; published Apr. 12, 1927.
Product used in the treatment of arthritis and psoriasis. Harrower Laboratory, Inc. 229,119; June 21; Serial No. 244,613; published Apr. 12, 1927.
Product used in the treatment of status calciprivia, etc. Harrower Laboratory, Inc. 229,118; June 21; Serial No. 244,612; published Apr. 12, 1927.
Purgative, effervescent. R. L. Irizarry. 229,289; June 21; Serial No. 244,013; published Apr. 12, 1927.
Remedies, Cough. E. J. Sormani. 65,005; renewed Nov. 5, 1927.
Remedies for diseases of women. H. and H. E. Law. 63,595; renewed June 25, 1927.
Remedy for catarrh. Hakka Chemical Company. 65,554; renewed Oct. 8, 1927.
Rouge, lip sticks, face powder, talcum powder, etc. Palmolive Company. 229,076; June 21; Serial No. 245,027; published Apr. 12, 1927.
Salt. International Salt Company. 229,297; June 21; Serial No. 239,177; published Dec. 7, 1926.
Salves. Bickmore Gall Cure Company. 30,113; renewed June 1, 1927.
Salves. H. E. Bucklen & Company. 64,460; renewed Aug. 6, 1927.
Serum for the prevention of hay fever, Curative. Serum Laboratorium Ruete Enoch. 63,650; renewed July 2, 1927.
Starch tablets. J. L. Prescott Company. 229,045; June 21; Serial No. 245,161; published Apr. 12, 1927.
Sulphate of copper, iron sulphate, and copper carbonate. Mountain Copper Co. 229,146; June 21; Serial No. 245,284; published Apr. 12, 1927.
Tonic, Hair. J. N. Hanna. 229,075; June 21; Serial No. 245,010; published Apr. 12, 1927.
Tonic, Hair. A. P. Rudy. 229,041; June 21; Serial No. 245,031; published Apr. 12, 1927.

CLASS 7.

Rope, cord, twine, or other cordage. Columbia Rope Company. 229,319; June 21.

CLASS 8.

Pipes, Smoking. Benjamin Pipe Company. 229,142; June 21; Serial No. 243,797; published Apr. 12, 1927.

CLASS 11.

Typewriter ribbons and carbon paper. Monarch Typewriter Company. 66,084; renewed Nov. 5, 1927.

CLASS 12.

Asphalt compound. Pioneer Paper Company. 229,283; June 21; Serial No. 243,965; published Apr. 5, 1927.
Asphalt emulsion. Sterling Products Company. 229,127; June 21; Serial No. 243,509; published Apr. 5, 1927.
Board and lumber, Composite. MacAndrews & Forbes Company. 229,304; June 21; Serial No. 237,376; published Mar. 29, 1927.
Building blocks, tile, etc. Atlantic Gypsum Products Company. 229,132; June 21; Serial No. 243,639; published Apr. 5, 1927.
Building insulation, calcined gypsum, etc., Powdered heat and cold. United States Gypsum Company. 229,086; June 21; Serial No. 231,574; published Mar. 29, 1927.
Cement. Standard Fuel Engineering Company. 229,052; June 21; Serial No. 243,566; published Apr. 5, 1927.
Cement. West Penn Cement Company. 229,241; June 21; Serial No. 241,552; published Apr. 5, 1927.
Flooring. Kerry & Hanson Flooring Co. 229,085; June 21; Serial No. 231,048; published Mar. 29, 1927.
Ganister. Thomas E. Gray & Co. Ltd. 229,302; June 21; Serial No. 237,805; published Mar. 29, 1927.
Lime plaster. Marblehead Lime Company. 229,342; June 21.
Lumber. Darling-Singer Lumber Co. 229,135; June 21; Serial No. 243,689; published Apr. 5, 1927.
Lumber. W. L. Kann. 229,222; June 21; Serial No. 242,786; published Apr. 5, 1927.
Lumber and planing-mill products. Weyerhaeuser Forest Products. 229,103; June 21; Serial No. 242,073; published Apr. 5, 1927.
Lumber, Aromatic cedar. Chickamauga Cedar Company. 210,644; Dec. 22, 1925.
Lumber, Rough and dressed. J. M. Card Lumber Co. 65,887; renewed Oct. 29, 1927.
Lumber, woodwork, and lath. Western Pine Manufacturers Association. 229,057; June 21; Serial No. 243,333; published Mar. 29, 1927.
Partition structures, Collapsible. H. W. Maurer. 229,215; June 21; Serial No. 239,888; published Mar. 29, 1927.
Plastic material. Sterling Products Company. 229,126; June 21; Serial No. 243,508; published Apr. 5, 1927.
Roofing and shingles, Asphalt. Hyjo Co. (Not Inc.). 229,305; June 21; Serial No. 237,076; published Mar. 29, 1927.
Structural-steel members. American Finance & Commerce Company. 229,134; June 21; Serial No. 243,680; published Apr. 5, 1927.

CLASS 13.

Casters, Ball-bearing. Acme Ball-Bearing Company. 63,387; renewed June 18, 1927.
Valves. Ashton Valve Company. 65,468; renewed Oct. 8, 1927.

CLASS 14.

Cast steel, castings, and forgings. Thos. Firth & Sons, Limited. 229,200; June 21; Serial No. 233,367; published Mar. 29, 1927.
Iron and tool steels, machinery steels, and alloy and other steels. Wheelock, Lovejoy & Company. 229,182–3; June 21; Serial Nos. 243,123–4; published Mar. 29, 1927.
Lead, roof flanges, solder, etc., Pig. Eagle-Picher Lead Company. 229,243–5; June 21; Serial Nos. 241,704–6; published Apr. 5, 1927.

CLASS 15.

Candles. M. K. Baker. 229,336; June 21.
Candles. Smith & Nichols, Incorporated. 229,111; June 21; Serial No. 244,575; published Apr. 5, 1927.
Candles. Smith & Nichols, Incorporated. 229,112; June 21; Serial No. 244,576; published Apr. 12, 1927.
Candles. Smith & Nichols, Incorporated. 229,113; June 21; Serial No. 244,577; published Apr. 5, 1927.
Gasoline. Trinidad Oil Company. 229,207; June 21; Serial No. 235,537; published Apr. 12, 1927.
Gasoline, illuminating and lubricating oils and greases. S. M. Willock. 64,424; renewed May 7, 1927.
Gasoline, kerosene, lubricating oil, etc. Mayflower Oil Company. 229,179; June 21; Serial No. 226,816; published Apr. 5, 1927.
Greases, gear lubricants, and motor oils, Gear. Phoenix Oil Co. 229,301; June 21; Serial No. 237,919; published Nov. 23, 1926.
Oils and greases, Lubricating. W. L. Hagenbaugh. 229,196; June 21; Serial No. 200,554; published Oct. 14, 1924.
Oils and greases, Lubricating. W. L. Hagenbaugh. 229,197; June 21; Serial No. 200,556; published Oct. 14, 1924.
Oils, Cutting. E. F. Houghton & Co. 229,291; June 21; Serial No. 244,401; published Apr. 5, 1927.
Oils, Illuminating. S. M. Willock. 62,426; renewed May 7, 1927.
Oils, Lubricating. Pierce Petroleum Corporation. 229,339; June 21.
Oils, Lubricating. S. M. Willock. 62,425; renewed May 7, 1927.
Petroleum products. Midwest Oil Company. 229,327; June 21.

CLASS 16.

Colors, poster paints, and powdered colors sized, Water. E. C. Barker. 229,242; June 21; Serial No. 241,557; published Mar. 29, 1927.
Lacquers. Arco Company. 229,122; June 21; Serial No. 243,073; published Mar. 29, 1927.
Oil, Prepared linseed. Glidden Varnish Company. 63,874; renewed July 9, 1927.
Paint. Victor Engineering Corporation. 229,290; June 21; Serial No. 244,037; published Apr. 5, 1927.
Paint, Insulating. Toch Brothers. 65,691; renewed Oct. 15, 1927.
Paint pigments. Aluminum Company of America. 229,295–6; June 21; Serial Nos. 244,268–9; published Mar. 29, 1927.
Paint, Ready-mixed. Ledgerwood Brothers. 229,343; June 21.
Paint, Semigloss enamel-finish. Wadsworth-Howland Company. 229,066; June 21; Serial No. 242,401; published Apr. 5, 1927.
Paints and paint thinner, etc., Textile. G. Reis & Bro., Inc. 229,266; June 21; Serial No. 244,242; published Apr. 5, 1927.
Paints and painters' materials. Lowe Brothers Company. 64,985; renewed Sept. 3, 1927.
Paints and varnishes. Calhon Company. 229,329; June 21.
Paints and varnishes, Floor, house, and barn. Kelley-How-Thomson Co. 65,200; renewed Sept. 10, 1927.
Paints, enamels, etc., Dry, paste, and ready-mixed. W. E. Greene. 229,136; June 21; Serial No. 243,699; published Mar. 29, 1927.

Paints, paint enamels, lacquers, paint oils. V. C. Wogoman. 229,164; June 21; Serial No. 244,906; published Apr. 5, 1927.
Paints, varnishes, stains, and paint enamels. Roberts, Glazebrook & Co. Ltd. 229,204; June 21; Serial No. 234,872; published Apr. 5, 1927.
Polishing fluid for floors. Hillyard Chemical Company. 229,264; June 21; Serial No. 244,229; published Mar. 29, 1927.

CLASS 17.

Cigarettes. La Berberian. 229,168; June 21; Serial No. 244,975; published Apr. 12, 1927.
Cigarettes. S. S. Pierce Co. 229,043; June 21; Serial No. 245,106; published Apr. 12, 1927.
Stogies. C. J. Cheney. 229,124; June 21; Serial No. 244,742; published Apr. 12, 1927.
Tobacco and cigarettes, Smoking. Christian Peper Tobacco Co. 229,324; June 21.
Tobacco, cigars, cigarettes, and snuff, Smoking. New Firm De Erven de Wed. J. van Nelle. 65,877; renewed Oct. 29, 1927.
Tobacco, Smoking and chewing. Penn Tobacco Company. 66,143; renewed Nov. 12, 1927.

CLASS 19.

Lubricants from axle housings of automobiles, Devices for preventing leakage of. R. E. Fulton. 229,828; June 21.

CLASS 21.

Batteries, battery chargers, and parts thereof, Storage. Automotive Battery Corp. 229,078; June 21; Serial No. 236,190; published Apr. 5, 1927.
Batteries, Dry. Manhattan Electrical Supply Company. 62,907–8; renewed May 28, 1927.
Battery eliminator. Kellogg Switchboard and Supply Co. 229,198; June 21; Serial No. 208,522; published Apr. 12, 1927.
Battery terminals, plugs, screws, and bushings, Storage. Imperial Brass Manufacturing Company. 229,206; June 21; Serial No. 235,303; published Apr. 5, 1927.
Cables. National Metal Molding Company. 229,349; June 21.
Cables with nonmetallic protective covering. American Circular Loom Company. 229,088; June 21; Serial No. 232,240; published Apr. 12, 1927.
Connecters. Electric Outlet Company. 229,352; June 21.
Electric fire alarms, Automatic. M. C. Kroeger. 229,246; June 21; Serial No. 241,730; published Apr. 12, 1927.
Electric motors. United States Electrical Manufacturing Company. 229,120; June 21; Serial No. 244,638; published May 3, 1927.
Electrical cabinets, switches, switch boxes, etc. Square D. Company. 229,192; June 21; Serial No. 172,616; published Apr. 12, 1927.
Electrical equipment. Hub-Way Manufacturing Company. 229,059; June 21; Serial No. 242,588; published Apr. 12, 1927.
Electrical fittings. Erie Malleable Iron Company. 229,177; June 21; Serial No. 226,481; published Apr. 5, 1927.
Electrical transformers and equipment therefor. Westinghouse Electric & Manufacturing Company. 229,199; June 21; Serial No. 233,841; published Apr. 5, 1927.
Fans, Electric. Hunter Fan & Motor Co. 229,258; June 21; Serial No. 244,158; published Apr. 12, 1927.
Fans, Electrical. Piqua Electric Service Co. 229,238; June 21; Serial No. 241,436; published Apr. 12, 1927.
Insulated electric wire and cables. John A. Roeblings Sons Company. 63,853; renewed July 9, 1927.
Insulating material and rubber substitute. W. T. Glover & Co. 29,989; renewed May 11, 1927.
Irons, soldering irons, sandwich machines, and steam tables, Electric pressing. All Rite Company. 229,335; June 21.
Lamps, lanterns, toggle switches, fuse plugs, etc., Electric. Perkins Marine Lamp Corporation. 229,175; June 21; Serial No. 225,965; published June 22, 1926.
Wire terminals and cables. K-E-M Manufacturing & Sales Co. 229,272; June 21; Serial No. 243,812; published Apr. 12, 1927.

CLASS 22.

Baits, Artificial. James Heddon's Sons. 229,100; June 21; Serial No. 242,125; published Apr. 12, 1927.
Balls, gloves, golf bags, etc. P. Goldsmith Sons Company. 229,344; June 21.
Dolls. A. A. Gerling. 229,145; June 21; Serial No. 245,263; published Apr. 12, 1927.
Tennis rackets, baseball bats, skis, and golf clubs. H. W. Hall. 229,067; June 21; Serial No. 242,373; published Apr. 12, 1927.

CLASS 23.

Axes. Kelly Axe Manufacturing Co. 80,835; renewed Nov. 9, 1927.
Carbonators, special soda fountains, and fountain equipment. Kompact Products Corporation. 229,348; June 21.
Cutlery and edge tools. Kelley-How-Thomson Co. 63,395; renewed June 18, 1927.
Hammers, screw drivers, and shovels. Kelley-How-Thomson Co. 63,396; renewed June 18, 1927.
Machinery and fixtures therefor, Experimental. Peco Manufacturing Company. 229,265; June 21; Serial No. 244,240; published Apr. 12, 1927.
Machinery, Rubber-mill. Birmingham Iron Foundry. 65,936; renewed Oct. 29, 1927.
Mowers, Lawn. Kelley-How-Thomson Co. 63,500; renewed June 25, 1927.
Plows, cultivators, and stock parts or shapes therefor. Star Manufacturing Company. 62,597; renewed May 14, 1927.
Saw blades. J. F. Gleason. 229,124; June 21; Serial No. 243,488; published Apr. 12, 1927.
Sewing machines. Kelley-How-Thomson Co. 63,398; renewed June 18, 1927.

CLASS 24.

Drying and dry-cleaning machines. American Laundry Machinery Co. 229,275; June 21; Serial No. 243,839; published Apr. 12, 1927.
Laundry appliances and machines. Kelley-How-Thomson Co. 63,397; renewed June 18, 1927.
Mangles. American Wringer Company. 66,120; renewed Nov. 12, 1927.
Wringers and mangles, Clothes. American Wringer Company. 66,121; renewed Nov. 12, 1927.
Wringers, Bench. American Wringer Company. 66,122; renewed Nov. 12, 1927.
Wringers, Clothes. American Wringer Company. 66,123–31; renewed Nov. 12, 1927.

CLASS 26.

Camera, projector, tripod, film magazine, etc., Cinematographic. Pathex, Inc. 229,217; June 21; Serial No. 240,362; published Apr. 12, 1927.
Electric testing apparatus. Evershed & Vignoles Ltd. 64,980; renewed Sept. 3, 1927.
Films, positives, negatives, Motion-picture. F. L. Smalley. 229,191; June 21; Serial No. 169,045; published Mar. 20, 1923.
Photographic papers, Sensitized. I. G. Farbenindustrie Aktiengesellschaft. 229,097–98; June 21; Serial Nos. 242,177–8; published Apr. 12, 1927.
Pressure gauges, vacuum gauges, revolution counters, and stroke counters. Ashton Valve Company. 65,330; renewed Sept. 17, 1927.
Scales, Weighing. J. B. Watling. 229,311; June 21.

CLASS 27.

Clocks. H. S. Benedikt Company. 229,261; June 21; Serial No. 244,208; published Apr. 5, 1927.
Clocks. B. D. Colen. 229,169; June 21; Serial No. 208,743; published Apr. 12, 1927.
Mainsprings for clocks and watches. Louis Perret et Fils. 229,172; June 21; Serial No. 221,766; published Apr. 5, 1927.
Watchcases. L & L Watch Case Company. 229,091; June 21; Serial No. 243,096; published Apr. 12, 1927.
Watches and clocks. Dudley Watch Company. 229,351; June 21.
Watches, clocks, and their movements. M. M. Mirabeau. 229,094; June 21; Serial No. 244,711; published Apr. 5, 1927.
Watches, watch movements, and parts of the same. S. Weissman Co. 229,224; June 21; Serial No. 242,932; published Apr. 5, 1927.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 65,337; renewed Sept. 17, 1927.

CLASS 28.

Bracelets. G. Kollstede. 229,347; June 21.
Jewelry. J. Koch. 65,677; renewed Oct. 15, 1927.
Precious stones and imitation precious stones. "Cristallo" A. G. 229,185; June 21; Serial No. 243,142; published Apr. 12, 1927.
Silver-plated flatware. R. Wallace & Sons Mfg. Co. 30,691; renewed Oct. 19, 1927.

CLASS 29.

Brushes and broome. Lord & Taylor 65,566; renewed Oct. 8, 1927.
Brushes, Painters'. Marcus Brush Co. 229,084; June 21; Serial No. 230,556; published Apr. 12, 1927.

CLASS 31.

Filters and purifiers and coolers. Boston Filter Company. 229,333; June 21.
Refrigerating apparatus. General Refrigeration Company. 229,087; June 21; Serial No. 232,131; published Apr. 12, 1927.
Refrigerators and refrigerating machinery. Sanat Refrigerating Company. 229,137; June 21; Serial No. 243,727; published Apr. 5, 1927.

CLASS 32.

Bookcases and parts thereof. Globe-Wernicke Company. 62,536; renewed May 14, 1927.
Bookcases, filing cabinets, cupboards, etc. Globe-Wernicke Company. 63,280; renewed June 11, 1927.
Cabinets, tables, cupboards, etc. Wasmuth-Endicott Company. 229,229; June 21; Serial No. 243,027; published Apr. 12, 1927.

Chairs, tables, and desks, Children's. F. Winsig. 229,053; June 21; Serial No. 242,327; published Apr. 12, 1927.
Chairs, tables, desks, beds, etc. G. S. Hunt. 229,058; June 21; Serial No. 242,589; published Apr. 12, 1927.
Davenports, chairs, benches, etc. Dunbar Furniture Manufacturing Company. 229,218; June 21; Serial No. 240,410; published Apr. 12, 1927.
Davenports, chairs, stools, and benches. Standard Mattress and furniture, Inc. 229,133; June 21; Serial No. 243,670; published Apr. 12, 1927.
Furniture. Globe-Wernicke Company. 63,441–2; renewed June 18, 1927.
Furniture, Steel office. M. Goldman. 229,330; June 21.

CLASS 33.

Glass, Figured sheet. Western Glass Company. 229,082; June 21; Serial No. 228,879; published Apr. 12, 1927.
Glass globes and reflectors. Miller Company. 229,079–80; June 21; Serial Nos. 227,956–7; published Apr. 12, 1927.

CLASS 34.

Furnaces, Heating. Overland Sheet Metal & Furnace Company. 229,323; June 21.
Heaters, Gas. Radiant Heat Corporation of America. 229,345; June 21.
Stoves and parts thereof. O. K. Stove & Range Co. 229,230; June 21; Serial No. 243,064; published Apr. 12, 1927.
Stoves and ranges. Kelley-How-Thomson Co. 63,335; renewed June 18, 1927.

CLASS 35.

Belting. B. F. Goodrich Company. 65,000; renewed Sept. 3, 1927.
Hose. B. F. Goodrich Company. 65,001–2; renewed Sept. 3, 1927.
Hose. B. F. Goodrich Company. 65,011–15; renewed Sept. 3, 1927.
Hose, Hydraulic. Eureka Fire Hose Company. 30,394; renewed July 20, 1927.
Inner-tube repair kits. Ceylon Rubber Company. 229,306; June 21; Serial No. 237,148; published Apr. 12, 1927.
Packing, Stuffing-box. Walker and Forbes, Inc. 229,131; June 21; Serial No. 243,632; published Apr. 12, 1927.
Patches for rubber tires. Beckham Tire and Rubber Company. 229,201; June 21; Serial No. 234,020; published Apr. 12, 1927.
Rubber articles. Continental-Caoutchouc- und Gutta-Percha-Compagnie. 63,305; renewed June 11, 1927.
Tires and inner tubes therefor, Pneumatic. B. F. Goodrich Company. 229,105; June 21; Serial No. 241,999; published Apr. 12, 1927.
Tires, Pneumatic cushion and solid rubber automobile and vehicle. Diamond Rubber Co. 62,745; renewed May 21, 1927.

CLASS 36.

Accordions and mouth harmonicas. Sears, Roebuck and Co. 229,129; June 21; Serial No. 243,563; published Apr. 12, 1927.
Musical instruments. Tonk Bros. Company. 229,071; June 21; Serial No. 227,542; published Apr. 12, 1927.
Phonograph and talking-machine records. G. Bakirgian. 229,346; June 21.
Sound recording and reproducing machinery and appurtenances thereto and parts thereof, etc. Victor Talking Machine Company. 229,008; June 21; Serial No. 242,360; published Apr. 5, 1927.
Talking machines, Reproducers and needles for. Everybody's Talking Machine Company. 229,307; June 21; Serial No. 242,716; published Apr. 5, 1927.
Talking machines, Springs for. Everybody's Talking Machine Company. 229,308; June 21; Serial No. 242,715; Published Apr. 5, 1927.
Violin and cello strings. Simson & Frey, Inc. 229,228; June 21; Serial No. 243,025; published Apr. 5, 1927.

CLASS 37.

Easels and the like, and parts thereof, Display. Arvey Corporation. 229,337; June 21.
Files and desk pads, Document. Globe-Wernicke Company. 63,443; renewed June 18, 1927.
Files, Document. Globe-Wernicke Company. 63,197; renewed June 11, 1927.
Files, Document. Globe-Wernicke Company. 63,706; renewed July 2, 1927.
Files, Document. Globe-Wernicke Company; 64,493; renewed Aug. 13, 1927.
Paper. Mittineague Paper Company. 65,496; renewed Oct. 8, 1927.
Pens and pencils, Fountain. Carter's Ink Company. 229,326; June 21.
Stationery, Articles of. Globe-Wernicke Company. 63,724–6; renewed July 2, 1927.

CLASS 38.

Music. C. Demangate. 229,313; June 21.
Newspaper. W. R. Hearst. 66,156–7; renewed Nov. 12, 1927.

CLASS 39.

Blouses, suits, overcoats, and men's lumber jackets, Boys'. M. Freezer. 229,263; June 21; Serial No. 244,223; published Apr. 5, 1927.
Boots, shoes, slippers, and hosiery. H. Fried. 229,316; June 21.
Brassières and bust supporters. Rosenberg & Hertz. 229,214; June 21; Serial No. 239,519; published Apr. 12, 1927.
Brassières, corset brassières, etc. Weingarten Bros., Inc. 229,106; June 21; Serial No. 244,524; published Apr. 12, 1927.
Brassières, corsets, vests, etc. Imperial Manufacturing Company. 229,158; June 21; Serial No. 244,771; published Apr. 12, 1927.
Caps. Fits-U Cap Co. 229,037; June 21; Serial No. 243,434; published Apr. 12, 1927.
Clothing. Inter-State Rubber Company. 65,098; renewed Sept. 10, 1927.
Clothing. Lawton & Hall. 63,782; renewed July 9, 1927.
Clothing. Mendel, Weinstock & Company. 66,100; renewed Nov. 12, 1927.
Coats, fur neck pieces, and dresses, Fur and spring. Keyser & Co. 229,282; June 21; Serial No. 243,951; published Apr. 5, 1927.
Coats, vests, pants, and overcoats. Fashion Park Inc. 229,257; June 21; Serial No. 244,145; published Apr. 12, 1927.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 229,285; June 21; Serial No. 243,975; published Apr. 12, 1927.
Coats, vests, trousers, knickerbockers, topcoats, etc. J. Schoeneman, Incorporated. 229,284; June 21; Serial No. 243,973; published Apr. 5, 1927.
Corset belt. W. G. Weber. 229,270; June 21; Serial No. 244,260; published Apr. 5, 1927.
Cravats and ties. Advance Neckwear Co. 229,277; June 21; Serial No. 243,913; published Apr. 12, 1927.
Dresses. B. F. Crown. 229,064; June 21; Serial No. 242,521; published Apr. 12, 1927.
Dresses. F. R. Wright. 229,286; June 21; Serial No. 243,990; published Apr. 5, 1927.
Dresses, coats, and suits. Frohman & Altman, Inc. 229,140; June 21; Serial No. 243,755; published Apr. 12, 1927.
Fabric and knitted underwear, sweaters, shirts, and jackets, Knitted. Fuld & Hatch Knitting Company. 65,439; renewed Sept. 24, 1927.
Frocks and dresses. Moskowitz & Altman. 229,239; June 21; Serial No. 241,492; published Apr. 12, 1927.
Gloves. Gates, Mills & Driscoll, Inc. 229,163; June 21; Serial No. 244,862; published Apr. 12, 1927.
Gloves, mittens, and gauntlets. M. B. Hamilton & Co. 229,070; June 21; Serial No. 242,667; published Apr. 12, 1927.
Hats and caps. Gordon & Ferguson, Inc. 229,292; June 21; Serial No. 244,355; published Apr. 12, 1927.
Hats and caps, Men's and boys'. Kaufmann Department Stores, Inc. 229,173; June 21; Serial No. 223,304; published Jan. 19, 1926.
Hats, Ladies'. P. Kieves. 229,273; June 21; Serial No. 243,813; published Apr. 12, 1927.
Hats, Ladies', misses', and children's. I. M. Baker. 229,165; June 21; Serial No. 244,912; published Apr. 12, 1927.
Hats, Straw. Wm. T. Christmas & Company. 229,074; June 21; Serial No. 236,537; published Nov. 2, 1926.
Hosiery. Climax Hosiery Mills. 229,101; June 21; Serial No. 242,094; published Apr. 12, 1927.
Hosiery. Florsheim Bros. Dry Goods Co. Ltd. 229,063; June 21; Serial No. 242,531; published Apr. 5, 1927.
Hosiery. O'Callaghan & Fedden, Inc. 229,195; June 21; Serial No. 197,952; published July 29, 1924.
Hosiery. Real Silk Hosiery Mills. 229,259; June 21; Serial No. 244,181; published Apr. 5, 1927.
Hosiery. Villa Rica Mills Inc. 229,099; June 21; Serial No. 242,158; published Apr. 12, 1927.
Hosiery, underwear, dresses, trousers, rubber boots, etc. Betty Wales Inc. 229,180; June 21; Serial No. 226,937; published Apr. 12, 1927.
Overcoats, coats, vests, pants, and overalls. Austin Clothing Company. 64,436; renewed Aug. 6, 1927.
Overshoes. L. M. Radway. 229,092; June 21; Serial No. 243,110; published Apr. 5, 1927.
Shirts. Hahne & Company. 229,271; June 21; Serial No. 243,805; published Apr. 12, 1927.
Shirts, Men's. Jacob Miller's Sons Co. 229,247; June 21; Serial No. 241,778; published Apr. 5, 1927.
Shirts, pyjamas, nightshirts, etc. Night Comfort Garment Co. 229,276; June 21; Serial No. 243,874; published Apr. 12, 1927.
Shoes. S. Dalsimer. 62,744; renewed May 21, 1927.
Shoes. A. D. Sebastiani. 229,240; June 21; Serial No. 241,547; published Apr. 12, 1927.
Shoes, Children's leather. Milton J. Meyer & Co. 229,174; June 21; Serial No. 225,438; published Apr. 12, 1927.
Shoes, Leather. Edmonds Shoe Company. 229,193–4; June 21; Serial Nos. 190,771–2; published Apr. 5, 1927.
Shoes, Women's. W. B. Coon Co. 229,155–6; June 21; Serial Nos. 244,745–6; published Apr. 12, 1927.
Suits and creepers, Children's. Seymour Liddy Wear Corporation. 229,221; June 21; Serial No. 242,754; published Apr. 12, 1927.
Suits, Bathing. Greenhill & Daniel. 229,253; June 21; Serial No. 244,069; published Apr. 5, 1927.

Sweaters and sweater shirts. Kenilworth Manufacturing Co. Inc. 229,300; June 21; Serial No. 238,019; published Nov. 16, 1926.
Sweaters, socks, and golf hose, windbreakers, etc., Knitted. Carthage Knit Wear Corporation. 229,184; June 21; Serial No. 243,138; published Apr. 12, 1927.
Underwear. L. Knecht. 229,189; June 21; Serial No. 243,221; published Apr. 12, 1927.
Underwear, Ladies'. H. Gelb. 229,104; June 21; Serial No. 241,997; published Apr. 12, 1927.
Underwear, Women's and misses'. D. Bickum. 229,069; June 21; Serial No. 242,332; published Apr. 12, 1927.

CLASS 40.

Barrettes, hairpins, combs, and toilet sets. Behr & Hirtenstein. 229,060; June 21; Serial No. 242,566; published Apr. 5, 1927.
Baskets, etc. Best & Co. 229,078; June 21; Serial No. 227,291; published Apr. 12, 1927.
Fabrics stamped with embroidery patterns, Textile. John R. Lankenau Co. 229,178; June 21; Serial No. 226,776; published Apr. 5, 1927.
Hair pieces. Hyman & Oppenheim. 229,110; June 21; Serial No. 244,560; published Apr. 12, 1927.

CLASS 42.

Cotton goods. Stettauer, Harris & Raphael. 229,325; June 21.
Cotton piece goods. James C. Erskine Corp. 229,212; June 21; Serial No. 239,297; published Apr. 12, 1927.
Cotton piece goods and blankets. Jackson Company. 65,595; renewed Oct. 8, 1927.
Cotton plaids, Woven. Neuss Hesslein & Co. 65,453; renewed Sept. 24, 1927.
Covers, scarfs, bedspreads, towels, etc., Table. F. Tausend. 229,267; June 21; Serial No. 244,249; published Apr. 12, 1927.
Elastic webbing, Wide. Ansonia O & C Company. 229,116; June 21; Serial No. 244,594; published Apr. 12, 1927.
Sheeting, Cotton. Naumkeag Steam Cotton Co. 63,835; renewed July 9, 1927.
Sheetings, shirtings, drillings, and osnaburgs. Minot, Hooper & Co. 63,859; renewed July 9, 1927.
Silk and cotton piece goods. Lawrence Textile Corporation. 229,161; June 21; Serial No. 244,832; published Apr. 12, 1927.
Silk dress goods. Fried. Mendelson & Co. 65,274; renewed Sept. 17, 1927.
Silk piece goods. Elgin Silk Company. 229,149; June 21; Serial No. 245,344; published Apr. 12, 1927.
Silk piece goods. Albert Godde, Bedin, Inc. 229,115; June 21; Serial No. 244,590; published Apr. 12, 1927.
Silk piece goods. Jansen & Pretzfeld, Inc. 229,321; June 21.
Textile fabrics. Duplan Silk Corporation. 229,077; June 21; Serial No. 244,432; published Apr. 12, 1927.
Woolen goods. Worumbo Manufacturing Company. 229,312; June 21.
Woolen piece goods. Forstmann & Huffmann Company. 229,047; June 21; Serial No. 245,192; published Apr. 12, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 229,048; June 21; Serial No. 245,194; published Apr. 12, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 229,049–50; June 21; Serial Nos. 245,196–7; published Apr. 12, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 229,051; June 21; Serial No. 245,199; published Apr. 12, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 229,123; June 21; Serial No. 245,200; published Apr. 12, 1927.
Woolen piece goods. Forstmann & Huffmann. 229,143; June 21; Serial No. 245,201; published Apr. 12, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 229,144; June 21; Serial No. 245,204; published Apr. 12, 1927.
Woolen, worsted, mohair, etc. B. Priestley & Co. 229,332; June 21.

CLASS 43.

Cotton or sewing thread, Spool. Blodgett & Orswell Co. 66,019; renewed Nov. 5, 1927.
Yarn and thread. A. W. Archer Co. 229,234; June 21; Serial No. 241,200; published Apr. 12, 1927.

CLASS 44.

Arch supporters. Outside Arch Inc. 229,130; June 21; Serial No. 243,619; published Mar. 29, 1927.
Braces, Shoulder. Cincinnati Truss Company. 229,040; June 21; Serial No. 243,479; published Mar. 29, 1927.
Magnetic belts, Electric. T. J. Cummings. 229,227; June 21; Serial No. 242,986; published Mar. 29, 1927.
Sanitary napkins. Acme Cotton Products Co. 229,141; June 21; Serial No. 243,795; published Apr. 5, 1927.
Sanitary napkins. Caledonia Cellulose Company. 229,036; June 21; Serial No. 243,414; published Mar. 29, 1927.
Sanitary napkins. Hospital Specialty Co. 229,208; June 21; Serial No. 235,818; published Apr. 5, 1927.
Sanitary napkins. Hospital Specialty Co. 229,209; June 21; Serial No. 235,822; published Apr. 5, 1927.
Sanitary napkins. Hospital Specialty Co. 229,210; June 21; Serial No. 235,827; published Apr. 5, 1927.
Sanitary napkins. Narrow Fabric Co. 229,254; June 21; Serial No. 244,086; published Apr. 5, 1927.
Sanitary napkins. Paper Novelty Company. 229,056; June 21; Serial No. 243,323; published Mar. 29, 1927.
Supporters. Hastings & McIntosh Truss Company. 30,686; renewed Oct. 19, 1927.
Syringes. B. F. Goodrich Company. 65,425–6; renewed Sept. 24, 1927.
Teeth, Artificial. S. S. White Dental Manufacturing Company. 229,350; June 21.
Therapeutic apparatus. Gish-Fortney Co. Inc. 229,128; June 21. Serial No. 243,541; published Apr. 5, 1927.
Trusses and suspensories. Cincinnati Truss Company. 229,117; June 21; Serial No. 244,603; published Apr. 5, 1927.

CLASS 45.

Beverage sold as a soft drink. Za-Rex Food Products, Inc. 229,340; June 21.
Beverages. Miller Becker Co. 229,106; June 21; Serial No. 244,459; published Apr. 12, 1927.
Beverages and sirups for making same. Sethness Company. 229,147; June 21; Serial No. 245,301; published Apr. 12, 1927.
Beverages, extracts, concentrates, and sirups for making same. Nu Grape Company of America. 229,298; June 21; Serial No. 238,518; published Apr. 12, 1927.
Beverages sold as soft drinks. Riverside Bottling Works. 229,150; June 21; Serial No. 245,370; published Apr. 12, 1927.
Beverages sold as soft drinks and sirups and extracts for making same. Mal Vaz Extract Company. 229,038; June 21; Serial No. 243,445; published Apr. 12, 1927.

CLASS 46.

Asparagus, Fresh. Jack Bros. & McBurney Co. 229,322; June 21.
Bacon. Ernest S. Bazley. 229,211; June 21; Serial No. 230,287; published Apr. 12, 1927.
Bread, coffee cakes, rolls, etc. Borck & Stevens Incorporated. 229,102; June 21; Serial No. 242,081; published Apr. 5, 1927.
Butter. Debow & Co. 229,162; June 21; Serial No. 244,855; published Apr. 5, 1927.
Butter and eggs. A. Gets. 229,231; June 21; Serial No. 240,971; published Apr. 5, 1927.
Cachous. T. B. Dunn Company. 30,703; renewed Oct. 19, 1927.
Cake. General Baking Company. 229,166–7; June 21; Serial Nos. 244,924–5; published Apr. 5, 1927.
Candy. Junior Candy Company. 229,299; June 21; Serial No. 238,441; published Apr. 12, 1927.
Candy. Vitamin Food Co. Inc. 229,107; June 21; Serial No. 244,522; published Apr. 12, 1927.
Candy, chocolate, cocoa, chewing gum, and bonbons. Stollwerck Bros. 62,464; renewed May 7, 1927.
Canned fish. Northwestern Fisheries Company. 63,081; renewed June 4, 1927.
Canned fish. Northwestern Fisheries Company. 63,083; renewed June 4, 1927.
Canned fish. Northwestern Fisheries Company. 63,102–3; renewed June 4, 1927.
Canned fish. Northwestern Fisheries Company. 63,128; renewed June 4, 1927.
Canned fish. Northwestern Fisheries Company. 63,155–8; renewed June 11, 1927.
Canned fish. Northwestern Fisheries Company. 63,200; renewed June 11, 1927.
Canned fish. Northwestern Fisheries Company. 63,461; renewed June 18, 1927.
Canned fish. Northwestern Fisheries Company. 63,534–5; renewed June 25, 1927.
Canned fish, shrimp, oysters, lobster, etc. Wm. H. Stanley, Inc. 229,260; June 21; Serial No. 244,192; published Apr. 12, 1927.
Canned fruits and vegetables. J. F. Humphreys & Co. 62,471; renewed May 7, 1927.
Canned fruits and vegetables. J. F. Humphreys & Co. 62,484; renewed May 7, 1927.
Canned fruits and vegetables. H. P. Taylor, jr. 66,059; renewed Nov. 5, 1927.
Canned fruits and vegetables. Warfield Pratt Howell Company. 65,917; renewed Oct. 29, 1927.
Canned goods or articles. Sprague, Warner & Company. 30,819; renewed Nov. 9, 1927.
Canned vegetables. Burnham & Morrill Company. 229,315; June 21.
Canned vegetables. Carroon & Co. 229,121; June 21; Serial No. 244,659; published Apr. 12, 1927.
Cantaloupes, melons, tomatoes, and berries, Fresh. Ryan Fruit Company. 229,331; June 21.
Cheese. Hulseberg & Krudener, Inc. 229,288; June 21; Serial No. 244,012; published Apr. 5, 1927.
Coffee. King Koffee Kompany. 229,159–60; June 21; Serial Nos. 244,775–6; published Apr. 12, 1927.
Corn for use in making tortillas. South Texas Grain Company. 229,202; June 21; Serial No. 234,054; published Feb. 8, 1927.
Dates. Hills Brothers Company. 229,171; June 21; Serial No. 213,644; published June 1, 1926.
Feed for livestock. Universal Mills. 229,114; June 21; Serial No. 244,581; published Apr. 5, 1927.

Feeds, Prepared dairy. Chapin & Company. 229,109; June 21; Serial No. 244,543; published Apr. 5, 1927.
Flour, Pie and cake. Paxton Flour & Feed Co. 229,240; June 21; Serial No. 241,957; published Apr. 5, 1927.
Flour, Wheat. Eagle Roller Mill Co. 229,235; June 21; Serial No. 241,382; published Apr. 5, 1927.
Flour, Wheat. Fisher Flouring Mills Company. 229,157; June 21; Serial No. 244,762; published Apr. 5, 1927.
Flour, Wheat. Fremont Mills. 229,093; June 21; Serial No. 244,687; published Apr. 5, 1927.
Flour, Wheat. Kansas Flour Mills Corporation. 229,219; June 21; Serial No. 240,715; published Apr. 5, 1927.
Flour, Wheat. Moseley & Motley Milling Co. 30,744; renewed Oct. 26, 1927.
Flour, Wheat. Schultz, Baujan & Co. 229,151; June 21; Serial No. 244,724; published Apr. 5, 1927.
Flour, wheat grits, bran, and bread, Wheat. C. Holser. 229,203; June 21; Serial No. 234,397; published Apr. 5, 1927.
Food, Dog. Old Trusty Dog Food Company. 229,255; June 21; Serial No. 244,094; published Apr. 5, 1927.
Food, Dog. Spratt's Patent (America) Limited. 229,152; June 21; Serial No. 244,727; published Apr. 5, 1927.
Fruits. Fresh citrous. Charters-Davis Company. 229,250; June 21; Serial No. 241,985; published Feb. 8, 1927.
Grapes, plums, peaches, etc., Fresh. B. F. List. 229,081; June 21; Serial No. 228,611; published Apr. 12, 1927.
Gum, Chewing. T. B. Dunn Co. 30,815; renewed Nov. 9, 1927.
Gum, Chewing. Wm. Wrigley Jr. Company. 64,816; renewed Aug. 20, 1927.
Ham, bacon, and shoulders. John Morrell & Co. Ltd. 30,120; renewed June 1, 1927.
Hams. Smithfield Company. 229,220; June 21; Serial No. 240,929; published Apr. 12, 1927.
Lemons, oranges, and grapefruit. Whittier Select Citrus Association. 229,205; June 21; Serial No. 235,189; published Jan. 18, 1927.
Oranges, lemons, grapefruit. Eadington Fruit Company. 229,310; June 21.
Sugar. American Sugar Refining Company. 30,046–56; renewed May 18, 1927.
Tea. Peck Bros. & Winch, Limited. 229,303; June 21; Serial No. 237,422; published Apr. 12, 1927.
Tomatoes, Fresh. Flatow, Riley and Company. 229,262; June 21; Serial No. 244,221; published Apr. 12, 1927.

CLASS 48.

Malt cereal beverage. Belmont Products Co. 229,320; June 21.

CLASS 49.

Brandy. Bisquit-Dubouché & Co. 30,022; renewed May 11, 1927.
Brandy. Bisquit, Dubouché & Co. 30,241; renewed June 22, 1927.
Gin. Tanqueray, Gordon & Co. Limited. 64,866; renewed Aug. 27, 1927.
Gin and cordials. Tanqueray, Gordon & Co. Limited. 65,077; renewed Sept. 3, 1927.

CLASS 50.

Incubators and brooders. H. M. Sheer Co. 229,233; June 21; Serial No. 240,886; published Mar. 29, 1927.
Metal frames insertable in flowerpots. F. Luipersbek. 229,216; June 21; Serial No. 240,309; published Mar. 29, 1927.
Stereotype mats or matrices. Wood Flong Corporation. 229,187; June 21; Serial No. 243,181; published Mar. 29, 1927.
Tags and poultry bands, Cattle, sheep, hog, horse, etc. Inter-Mountain Machine & Stamp Works, Inc. 229,213; June 21; Serial No. 239,522; published Mar. 29, 1927.
Waterproof fabric and cotton duck. Wm. E. Hooper & Sons Co. 229,190; June 21; Serial No. 243,270; published Apr. 5, 1927.
Waterproof fabric and cotton duck. Wm. E. Hooper & Sons Co. 229,279; June 21; Serial No. 243,945; published Apr. 5, 1927.
Waterproof fabric and cotton duck. Wm. E. Hooper & Sons Co. 229,280–1; June 21; Serial Nos. 243,947–8; published Apr. 5, 1927.

ALPHABETICAL LIST OF LABELS.

A Sulco Product. For Cement-Mixing Compounds and Technical Products. Sullivan Company. 32,333; June 21.
Adanac. For Medical Compound. D. S. Craig. 32,305; June 21.
Camp-Fire. For Malt Sirup. H. Messerschmidt. 32,323; June 21.
Chanticleer. For Fresh Oranges. East Highlands Citrus Assn. 32,307; June 21.
Dixie Barbecue Sauce. For Sauce. A. L. Haglock. 32,313; June 21.
Do-Little-Tablets. For Tablets Composed of Malt and Sugar. L. Schlosser. 32,331; June 21.
Doughnutists. For Doughnuts. Taste-T Foods, Inc. 32,334; June 21.
Fargo. For Coffee. J. T. Fargason Grocer Co. 32,308; June 21.
5th Avenue Coffee. For Coffee. Young & Griffin Coffee Co. 32,338; June 21.
Fly Ded. For Insect Exterminator. Midway Chemical Company. 32,324; June 21.
Gibson. For Cigars. B. F. Adams. 32,301; June 21.
Golden Pheasant. For Sweet Pickles. L. J. Juenemann. 32,315; June 21.
Grasselli Plant Food. For Plant Foods and Fertilizers. Grasselli Chemical Company. 32,311; June 21.
Hairalde Hair Tonic and Dressing. For Medicinal Preparation for the Hair. I. McEwen. 32,322; June 21.
Hall's Florette Assorted Chocolates. For Candy. Milwaukee Paper Box Co. 32,325; June 21.
Hertzog's Gander. For Cigars. F. G. Hertzog. 32,314; June 21.
Hy-Phen. For Medicine for Headache, Neuralgia, Rheumatism, Lumbago, Sciatica, and Periodic Pains. T. W. Bradley. 32,302; June 21.
Imperial Club. For Sausage. E. Kahn's Sons Company. 32,316; June 21.
Imperial Club. For Lard. E. Kahn's Sons Company. 32,317; June 21.
Imperial Club. For Bacon. E. Kahn's Sons Company. 32,318; June 21.
Imperial Club. For Ham. E. Kahn's Sons Company. 32,319; June 21.
Jay-Tee. For Coffee. J. T. Fargason Grocer Co. 32,309; June 21.
Just right. For Malt Sirup. Rode Bros. 32,330; June 21.
Karasick's Bronc-Asma. For a Remedy for Bronchitis and Bronchial Asthma. H. Karasick. 32,320; June 21.
King's. For Vanilla Extract. King Extract Co. 32,321; June 21.
Knight Kraft. For Athletic Underwear. Goldstein-Kirshner Co. 32,310; June 21.
M—23. For Cigars. C. F. Carpenter. 32,304; June 21.
Northmont Silk Stockings. For Silk Stockings for Men and Women. Northmont Hosiery Corporation. 32,327; June 21.
Namco Baby Clams. For Canned Baby Clams. North American Mercantile Company. 32,326; June 21.
Parfum Lily de Japon. For Perfume. C. A. Rahayel. 32,329; June 21.
Pierrette. For Candy Bars. A. Thivierge. 32,336; June 21.
Portovault Container. For Steel Vaults or Boxes. Day & Meyer, Murray & Young, Inc. 32,306; June 21.
Radium-Sol. For Internal Remedy, Gland Activator, and Oxygenizer of the Blood, Containing Nonequilibrated Radium in Solution. Radium Research Foundation. 32,328; June 21.
Sanitary Wrapper. For Milk. B. D. Brocky. 32,303; June 21.
Shine-On. For a Liquid for Cleaning Glass. Shine-On Company. 32,332; June 21.
Silvertown Malt Extract. For Malt Extracts for Food Purposes. F. Del Greco. 32,312; June 21.
'Taste-T' Foods. For 'Taste-T' Foods. Taste-T Foods, Inc. 32,335; June 21.
Wax-Ola. For Pure Liquid Wax. Wax-Ola M'f'g. Co. 32,337; June 21.

ALPHABETICAL LIST OF PRINTS.

Architect's Notation Blank. For Metal Columns. Union Metal Manufacturing Company. 9,982; June 21.
Authorized Service, For Surgical Supports. S. H. Camp. 9,966; June 21.
Blue Band Velvet Pencils No. 141. For Pencils. American Lead Pencil Company. 9,961; June 21.
Ever Realize the Trust You Put in an Underwear Label? For Athletic Underwear. B. V. D. Company. 9,965; June 21.
Flit 45. For Insecticide. Standard Oil Company (New Jersey). 9,976; June 21.
Flit 46. For Insecticide. Standard Oil Company (New Jersey). 9,977; June 21.
Flit 47. For Insecticide. Standard Oil Company (New Jersey). 9,979; June 21.
Flit 48. For Insecticide. Standard Oil Company (New Jersey). 9,980; June 21.

Flit 49. For Insecticide. Standard Oil Company (New Jersey). 9,978; June 21.
Flit 50. For Insecticide. Standard Oil Company (New Jersey). 9,975; June 21.
For Dessert My-T-Fine. For Dessert Preparations. D & C Co. 9,969–70; June 21.
Guaranteed for The Life of the Motor. For Piston Rings. Richmond Piston Ring Company. 9,973; June 21.
Kaktus Kid. For Blow-Out Boots for Tires. C. J. Evans. 9,971; June 21.
Lasting Floor Beauty Sealed in by The Old English Wax Film. For Old English Liquid Wax. A. S. Boyle Company. 9,964; June 21.
Now He Must Learn to Handle Solid Food. For Wheat Breakfast Food. Cream of Wheat Co. 9,968; June 21.
Old Cutter Whiskies. For Whiskies. Wheeler Company. 9,984; June 21.
R-Coal Is Genuine. For Coal. J. C. Beranek. 9,963; June 21.
Sell Flit Now For Moths. For Insecticide. Stanco Distributors, Incorporated. 9,974; June 21.
The New Treatment for Coughs and Colds Mistol. For Nose and Throat Spray. Standard Oil Company (New Jersey). 9,981; June 21.
Unique Thin Lead Colored Pencils C–66. For Pencils. American Lead Pencil Company. 9,962; June 21.
Wax-Ola. For Pure Liquid Wax. Wax-Ola M'f'g. Co. 9,983; June 21.
You Expect Great Things of Him. For Wheat Breakfast Food. Cream of Wheat Co. 9,967; June 21.
You Mail The Tag—We'll Mail The Bag. For Livestock Mineral Feeds. Moorman Manufacturing Company. 9,972; June 21.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Campbell Coal Company. 244,539; June 21.
Coal. Sheridan-Wyoming Coal Company. 246,002; June 21.
Kid, glazed kid, and other leathers. Amalgamated Leather Companies, Inc. 247,881; June 21.
Silk and other fibers made from cellulose. Koln-Rottweil Aktiengesellschaft. 235,482; June 21.

CLASS 2.

Bags of paper, Garment. Lewy Chemical Company. 244,872–3; June 21.
Tanks and drums. Union Tank & Pipe Co. 226,698; June 21.
Tanks, Storage. Chicago Boiler Company. 246,075; June 21.

CLASS 3.

Purses, hand bags, and pocketbooks, Ladies'. Schocket-Ritter Co. 248,652; June 21.

CLASS 4.

Cleaner, Window and glass. W. R. Whitney. 246,869; June 21.
Cleaners, Dry. Nuvo Corporation. 246,856; June 21.
Finishes, Top and glaze. Excelso Products Company. 241,271; June 21.
Polish, Metal. J. Stollenwerk. 246,447; June 21.
Soap. Sydney Ross Co. 246,940; June 21.
Washing compound. Crystalite Products Company. 239,510; June 21.

CLASS 5.

Adhesive compound. Weldsit Mfg. Co. 239,448; June 21.
Glue. Swift and Company. 248,533; June 21.

CLASS 6.

Acid, Stearic. Procter & Gamble Company. 248,127; June 21.
Alcohol, Denatured. Pennsylvania Sugar Company. 234,630; June 21.
Bath salts. White Tar Company of New Jersey, Inc. 248,981; June 21.
Blood conguinants produced from lymphoid glands. Vitalait Laboratory of California, Inc. 248,139; June 21.
Chemical for cleansing drains, etc. Drackett Chemical Company. 247,937; June 21.
Chemical preparation for use in medicine. E. Merck. 243,961; June 21.
Compound for killing and repelling insects and for cleaning textiles, etc. A. W. Anderson. 247,514; June 21.
Creams, Cold. C. O. Padelford. 246,622; June 21.
Creams, toilet powder, etc. I. McEwen. 248,584; June 21.
Dentifrices, Sterilized. National Dental Company. 243,165; June 21.
Extracts of perfumes, etc. Lord & Taylor. 245,916; June 21.
Face powder, ointment, hair dressing, rouge, lip sticks, etc. H. Lemler. 249,072; June 21.
Face powder, rouge, rouge and loose powder combination, rose cream, etc. Goodrich-Gamble Company. 248,099; June 21.
Hairdressings. Harry Gerr, Inc. 248,491; June 21.
Hair grower. R. B. Elliott. 233,815; June 21.
Insecticide. United States Laboratories. 244,639; June 21.
Insecticides. Rockland Chemical Co. 248,129; June 21.
Lotion, Skin. E. H. Myers. 247,200; June 21.
Medicated water. Malka Water Co. Inc. 248,371; June 21.
Medicinal preparation. General Radium Laboratories. 247,945; June 21.
Medicinal preparation. C. A. Meyer. 248,965; June 21.
Medicinal tonics. F. E. Coe. 240,768; June 21.
Medicine. R. B. Curby. 244,990; June 21.
Medicine. H. Karasick. 246,689; June 21.
Medicine. Mentho Jell Company. 232,024; June 21.
Medicine for garget and inflammation and swollen udders in cows. E. W. Parks. 243,664; June 21.
Medicines. M. H. Wells. 231,777; June 21.
Oil, Red. Procter & Gamble Company. 248,128; June 21.
Ointment. S. C. Wagner. 247,300; June 21.
Ointment, Pile. C. G. Stone. 248,019; June 21.
Perfumes and hygienic products. Franklin Simon & Co. 244,552; June 21.
Polish, toilet water, lip rouge, face rouge, face powder, etc., Nail. A. J. Kennedy. 243,370–1; June 21.
Pomade. M & W Chemical Company. 248,237; June 21.
Powder. J. A. Pozzoni Pharmacal Company. 245,920; June 21.
Powders, creams, packs, toilet waters, rouges, etc., Face. Alliance Art Products Company. 248,025; June 21.
Powders, creams, packs, toilet waters, rouges, etc., Face. Traymore Laboratories. 247,399; June 21.
Preparation for the treatment of running and barking fits in dogs. D. O. Colhouer. 247,522; June 21.
Preparation for treating the scalp and removing dandruff. A. M. Hilt. 241,158; June 21.
Product for blackening the eyes. S. de Tessan. 231,095; June 21.
Resins, Synthetic and other artificial. Dr. Heinr. Traun & Söhne, vormals Harberger Gummi-Kamm-Compagnie. 230,059; June 21.
Rouge compacts. Lionel Trading Co. Inc. 248,916; June 21.
Rouge, lip stick, and face powder. Richard Hudnut. 248,904–6; June 21.
Solvents. Howards & Sons Limited. 248,697–9; June 21.
Toilet and facial products. M. F. Schlesinger. 244,325; June 21.
Toilet preparation and solvent for drainpipe obstructions and laundry bleach. Western Soap & Chemical Co. 245,175; June 21.
Toilet water, cold cream, vanishing cream, face powder, etc. Peoples Drug Stores Inc. 247,705; June 21.
Tonic and dandruff remedy, Hair. V. T. Dececco. 248,397; June 21.
Tonic, Poultry. E. Rosenbaum. 247,449; June 21.

CLASS 7.

Rope. Whitlock Cordage Company. 240,636; June 21.

CLASS 8.

Pipes, cigar and cigarette holders, and tobacco pouches Gros, Grenier, Ostorero & Cie. 240,255; June 21.

CLASS 9.

Flares. I. C. Newman Co. Inc. 248,856; June 21.
Matches. O'Berry & Hall Company. 248,857; June 21.

CLASS 10.

Fertilizers. International Agricultural Corporation. 244,306; June 21.

CLASS 11.

Carbon paper and typewriting ribbons. Non-Smut Carbon Mfg. Co. 247,629; June 21.
Typewriter ribbons and carbon paper. Carter's Ink Company. 248,812; June 21.

CLASS 12.

Blocks and tile. Universal Gypsum & Lime Co. 236,821; June 21.
Cement colors. Builder's Specialty Co. 247,519; June 21.
Concrete hardener, waterproofer, and preserver. H. J. Schofield. 247,291; June 21.
Lumber. Fruit Growers' Supply Company. 246,473–4; June 21.

Roofing material. H. B. Clifford Roofing Co. 245,692; June 21.
Tile. Tylo Manufacturing Co. 242,976; June 21.

CLASS 13.

Sponge baskets, soap trays, soap dishes, etc. Utility Manufacturing Company Inc. 246,723; June 21.

CLASS 14.

Iron and steel. Stora Kopparbergs Bergslags Aktiebolag. 241,071; June 21.

CLASS 16.

Lacquers, lacquer thinner, etc. Ohio Varnish Company. 247,202; June 21.
Paint, Metal. Eclipse Paint & Color Co. 248,163; June 21.
Paints, enamels, varnishes, etc. Brown-Leithold Company. 247,165; June 21.
Paints, paint enamels, and varnishes. Weymac Manufacturing Corp. 244,807; June 21.
Paints, varnish, etc. Elkhart Enamel & Paint Corporation. 246,892; June 21.
Paints, varnish, lacquer, and paint enamels. F. I. Siegel & Son. 245,411; June 21.
Water colors, oil paints, varnishes, etc. G. Wagner. 245,981; June 21.

CLASS 17.

Cigar clippings and Habana smoking tobacco, All-leaf. O. Sperbeck. 243,119; June 21.
Cigars. Consolidated Cigar Corporation. 248,954; June 21.
Cigars and cigarettes. B. O'Conor. 248,714; June 21.
Tobacco. Maclin-Zimmer-McGill Tobacco Co. Incorporated. 245,444; June 21.

CLASS 19.

Aircraft. Keystone Aircraft Corporation. 247,374–5; June 21.
Automobiles and structural parts thereof. Studebaker Corporation. 247,977; June 21.
Shock absorbers, etc. Illinois Iron & Bolt Company. 247,085; June 21.
Snubber rings. Russell Manufacturing Co. 246,779; June 21.

CLASS 22.

Ornaments. Christmas. B. Haupt, Inc. 211,437; June 21.

CLASS 23.

Chisels, hammers, rivet sets, punches, etc. Portage Tool Company. 238,233; June 21.
Compressors, Air. Dayton Air Compressor Company. 239,166; June 21.
Elevators, escalators, endless carriers, inclined railways, etc. Otis Elevator Company. 248,715; June 21.
Engines and structural parts thereof. Internal-combustion. Studebaker Corporation. 247,978; June 21.
Engines, Internal-combustion, etc. Continental Motors Corporation. 213,279; June 21.
Hatchets and crate openers. D. Cohen. 248,222; June 21.
Jar lifters and jar wrenches. Tyler Manufacturing Company. 245,524; June 21.
Plows, harrows, rakes, seeders, etc. Gash-Stull Company. 243,936; June 21.
Pumps. Dayton Pump & Manufacturing Company. 248,091; June 21.
Razor blades. Jacob P. Segelman & Company. 248,597; June 21.
Scissors and shears. Heinr. Böker & Co. 237,718; June 21.
Screens or screening machines. Traylor Vibrator Company. 246,515; June 21.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 248,805; June 21.
Signals for automobiles, Mechanically-operated direction. J. L. McGrane. 247,338; June 21.
Tools and equipment, Machine. Cox Cylinder Works. 247,675; June 21.
Water-softening apparatus. Dayton Pump & Manufacturing Company. 248,093; June 21.

CLASS 24.

Wringers, Clothes. Comfeld Washer Co. 246,466; June 21.

CLASS 26.

Patterns, Shoe. L. J. Ewing. 247,682; June 21.
Synchronized apparatus and parts of such apparatus. Vitaphone Corporation. 235,441; June 21.

CLASS 29.

Mops and unimpregnated dust cloths, Dust. C. J. Evans. 242,828; June 21.
Powder puffs. Western Bottle Manufacturing Company. 247,836; June 21.
Powder puffs. Western Bottle Manufacturing Company. 248,069; June 21.

CLASS 31.

Refrigerating apparatus. Gas Refrigeration Corporation. 248,680; June 21.

CLASS 32.

Beds. American Parlor Furniture Company. 230,815; June 21.
Easels, Educational. G. L. Brown. 247,518; June 21.
Furniture. Porcelain Enamel and Manufacturing Company of Baltimore. 246,707; June 21.
Mirrors, pillows, bassinets, mattresses, etc. Best & Co. 242,467; June 21.

CLASS 33.

Glass articles. Witting Bros. Limited. 244,339; June 21.
Glass, Laminated. Triplex Safety Glass Company of North America. 246,183; June 21.

CLASS 34.

Device intended to maintain the freshness of bakery products by means of a heated medium. Waters-Genter Company. 246,725; June 21.
Heaters, water heaters, ovens, etc., Fluid-fuel-burning space. Sandage Company. 244,723; June 21.
Radiators and parts thereof. Winchester Repeating Arms Company. 247,920; June 21.
Ventilating systems, Air-conditioning apparatus and. Arctic Nu-Air Corporation. 242,271; June 21.

CLASS 35.

Belting. Quaker City Rubber Company. 247,446; June 21.
Piston packing rings, Metallic. Westinghouse Air Brake Company. 244,261–4; June 21.

CLASS 37.

Albums. Art Book Binding Co. 247,986; June 21.
Bristol board. Graham Paper Company. 248,633; June 21.
Crayons. American Crayon Company. 246,459; June 21.
Crayons, Dustless. Weber Costello Co. 229,994; June 21.
Envelopes, letterheads, billheads, etc. P. C. Hofmann. 237,414; June 21.
Mailing sheet. J. A. Holden. 248,103; June 21.
Paper or cloth tape, Gummed. McLaurin-Jones Co. 247,623–4; June 21.
Paper, Toilet. Victoria Paper Mills Company. 248,602; June 21.
Pens. Parker Pen Company. 247,702; June 21.
Sales books. Cosby-Wirth Manifold Book Company. 247,127; June 21.

CLASS 38.

Magazine. Frank A. Munsey Company. 246,109; June 21.
Magazines. Chicagoan Publishing Company. 247,778; June 21.
Magazines. Kenfield-Davis Publishing Company. 245,563; June 21.
Newspaper articles, Heading for. Bulletin Company. 246,885; June 21.
Newspapers. El Paso Times Company. 232,723; June 21.
Photographs. Rexgold Manufacturing Company. 245,369; June 21.
Publication. Home Builders Catalog Co. 245,486; June 21.
Publication. Readers' Publishing Corp. 245,921; June 21.
Publication. Ziv Steel & Wire Company. 247,303; June 21.
Publications of advertisements and advertising prints. L. Chanin. 248,817; June 21.
Title for a column of news. Oregonian Publishing Company. 247,340; June 21.
Woven labels. Warner Woven Label Co. Inc. 247,848; June 21.

CLASS 39.

Coats. I. & B. Sapiro Cloak Co. 238,195; June 21.
Coats, suits, vests, and trousers. Students Two-Pants Clothing Company. 248,204; June 21.
Coats, vests, trousers, etc., Men's and young men's. Shirek & Hirsch. 242,693; June 21.
Coats, wraps, underwear, hosiery, etc. Weiss, Frank & Gintel, Inc. 247,349; June 21.
Cravats. S. Goldstein. 242,180; June 21.
Dresses. Levi & Seligman, Inc. 243,380; June 21.
Dresses. Charles Salomon & Co. Inc. 247,987; June 21.
Dresses and wraps. B. Altman & Co. 221,687; June 21.
Dresses, coats, and suits. Pickwick Dress Company. 247,443; June 21.
Frocks, Sport. B. G. De Mott. 243,427; June 21.
Hats. Knox Hat Company. 247,190; June 21.
Hats, Ladies'. Harry Rosenberg & Co. 247,909; June 21.
Hose. Browning Hosiery Mills, Inc. 247,885; June 21.
Hosiery, Ladies' full-fashioned. Berkshire Knitting Mills. 247,665–67; June 21.
Shirts. Louis Baskind & Co. Inc. 237,531; June 21.
Shoes. Central Shoe Company. 233,103; June 21.
Shoes. Harper & Kirschten Shoe Co. 244,154; June 21.
Shoes, Ankle straps for. B. A. Ballou & Co. 247,062; June 21.

Shoes, Women's leather. R. J. Roche. 248,517; June 21.
Suits and overcoats. Epstein Frank & Lochner Inc. 247,092; June 21.
Suits, topcoats, overcoats, knickers, reefers, etc., Men's and young men's. Spector Brothers. 247,758; June 21.
Tuxedos and shirts. Burkhardt Bros. Co. 246,152; June 21.
Undergarments, coats, bath robes, shirts, bathing suits, etc. Franklin Simon & Co. Inc. 240,814; June 21.
Underwear. Van Dyke Knitting Company. 246,520; June 21.
Underwear, ties, scarfs, and mufflers. Clarion Knitting Mills, Inc. 248,392; June 21.

CLASS 40.

Pins; safety pins, snap fasteners, etc. William Prym G. m. b. H. 245,312; June 21.
Toilet sets, etc. Shoreham Manufacturing Co. Inc. 247,147; June 21.

CLASS 42.

Cotton piece goods. C. A. Boyle & Company. 245,327; June 21.
Cotton piece goods. Cohn Hall Marx Co. 248,393; June 21.
Handkerchiefs. Helfenstein-Schlesinger Co. Inc. 245,907; June 21.
Pile fabrics. Sidney Blumenthal & Co. Inc. 246,589; June 21.
Rayon piece goods. Duplan Silk Corporation. 248,822; June 21.
Sheets, pillow cases, towels, blankets, etc., Cotton and linen. Kaufmann Department Stores, Inc. 246,959; June 21.
Silk chiffon cloth. Menke, Kaufmann & Co. 248,043; June 21.
Silk piece goods. F. Ducharne Silk Co. Inc. 248,819; June 21.
Silk piece goods. Duplan Silk Corporation. 248,821; June 21.
Silk piece goods. W. R. Hoehn Co. 248,231; June 21.
Silks, cottons, woolens, and rayon fabrics. George Wills & Sons, Ltd. 241,308; June 21.
Towel fabric. H. C. Wheeler. 247,652; June 21.
Woolen piece goods. Forstmann & Huffmann Company. 248,765; June 21.
Woolen textile fabrics. Atlantic Mills. 248,465; June 21.

CLASS 43.

Yarns. New England Spun Silk Corporation. 248,920–21; June 21.

CLASS 44.

Sanitary napkins. Owl Drug Co. 243,558; June 21.
Vibrating induction coil. T. I. Potter. 246,929; June 21.

CLASS 45.

Beverage. Harrison & Eichenlaub. 199,887; June 21.
Beverage. S. Simonovits. 246,573; June 21.
Beverages and sirups for making the same. Peoples Bottling Company Inc. 248,092; June 21.
Beverages sold as soft drinks. Tip Top Bottling Co. 241,454; June 21.

CLASS 46.

Bread. Grays Harbor Baking Company. 246,896; June 21.
Bread. Muller Bakeries, Inc. 233,500; June 21.
Candy. Paul F. Beich Company. 248,807; June 21.
Candy. Bur-Bee Candy Co. 248,994–6; June 21.
Candy. Novelty Candy Co. 232,933; June 21.
Candy. Weinstein & Smith. 212,984; June 21.
Canned crab meat. North American Mercantile Company. 249,088; June 21.
Canned fish. S. A. Haram & Co. Inc. 205,334; June 21.
Canned fruits and vegetables. Pacific Coast Canners, Inc. 242,741; June 21.
Canned fruits, vegetables, and sardines. F. E. Booth Co. 247,926; June 21.
Cherries in sirup. Seeman Brothers Inc. 238,235; June 21.
Coffee. American Company of Arkansas. 245,133; June 21.
Coffee. Johnson Coffee Co. 248,301; June 21.
Extracts, Food-flavoring. Premier Color Works. 231,631; June 21.
Fish, Cured. Gorton-Pew Fisheries Company. 247,998; June 21.
Flavors for frozen confections, etc. Citrus Products Company. 212,173; June 21.
Flour, Corn. B. Martinez Sons Co. 247,553; June 21.
Flour, Wheat. Harlan Milling Company. 248,772; June 21.
Flour, Wheat. Hauck Milling Company. 203,815; June 21.
Food, Dog. Old Trusty Dog Food Company. 244,090; June 21.
Fruits, Citrous. East Highlands Citrus Assn. 249,046; June 21.
Fruits, grapes, vegetables, and melons. S. K. Thomas. 238,561; June 21.
Grapes. Richland Fruit Co. 246,633; June 21.
Jams, jellies, and marmalades. Ladd Hoffmann Producta Co. 245,149; June 21.
Lard. Otto Stahl, Inc. 247,563; June 21.
Mayonnaise. S. B. Drucker. 247,603–4; June 21.
Oil, Olive. A. Cassatly & Co. 247,409; June 21.
Potatoes. H. B. McNeal. 247,478; June 21.
Potatoes. Red Mill Packing Co. Inc. 247,818; June 21.
Sugar. J. D. and A. B. Spreckels Securities Company. 216,294; June 21.
Tomato paste. A. Glorioso. 233,986; June 21.
Vegetable shortening. Texas Vegetable Oil Co. 248,022; June 21.
Vegetables and fresh deciduous and citrous fruits, Fresh. G. A. Weitz. 244,899; June 21.

CLASS 48.

Malt and hops compound. Reed Bird Malt and Hops Company. 247,819; June 21.
Malt sirup. J. F. Denend. 247,264; June 21.
Malt sirup. P. J. Gloeckner. 247,182; June 21.

CLASS 49.

Alcohol, Pure ethyl. Pennsylvania Sugar Company. 248,193; June 21.

CLASS 50.

Awnings. R. S. Campbell. 240,127; June 21.
Book-repair kits. Gaylord Brothers, Incorporated. 247,903; June 21.
Bottle caps. Eastern Advertising Company. 247,418; June 21.
Paint sets. L. Dreifuss. 245,699; June 21.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abel, Harry S., McLean, Va. Game. 1,632,941; June 21.
Abington Textile Machinery Works. (See Clark, Ernest, assignor.)
Abolin, Harry T., Woodridge, assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J. Wall paper or similar article. Des. 72,878; June 21.
Abolin, Harry T., Woodridge, assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J. Wall paper or similar article. Des. 72,879; June 21.
Acme Wire Co., The. (See Dale, Oswald, assignor.)
Adam, Harry C., St. Louis, Mo. Crystal detector. 1,633,059; June 21.
Adams, Edward T., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal-combustion engine and operating the same. 1,632,988; June 21.
Adams, Nena M., Chicago, Ill. Hair wrapper. 1,633,507; June 21.
Adler, Joseph, et al. (See Clay, Frank, assignor.)
Aero Toy & Manufacturing Co. (See Lunz, Franz, assignor.)
Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Distribution of intelligence. 1,632,777; June 21.
Air-Scale Company, The. (See Morley, Earl M., assignor.)
Albertine, Herman, East Rutherford, N. J., assignor to Charles P. Rogers and Company (Inc.). Force-feed lubricating apparatus. 1,633,356; June 21.
Albertine, Herman, East Rutherford, N. J., assignor to Charles P. Rogers and Company (Inc.). Force-feed lubricating apparatus. 1,633,357; June 21.
Alemite Die-Casting & Mfg. Co. (See Gullborg, John S., assignor.)
Alexander, Don M., Denver, Colo. Road sign. Des. 72,880; June 21.
Allen, Carlton H., assignor of one-half to Great Northern Paper Company, Millinocket, Me. Apparatus for treating pulp. 1,633,553; June 21.
Allen, Carlton H., Glens Falls, N. Y., assignor to Great Northern Paper Company, Millinocket, Me. Apparatus for cooking pulp. 1,632,779; June 21.
Allen, Carlton H., Dayton, Ohio, assignor of one-half to Great Northern Paper Company, Millinocket, Me. Flow-controlling apparatus. 1,632,780; June 21.
Allen, Carlton H., Dayton, Ohio, assignor of one-half to Great Northern Paper Company, Millinocket, Me. Pulp-cooking apparatus. 1,633,554; June 21.
Allen, Charles B., Atlanta, Ga. Carburetor. 1,633,429; June 21.
Allen, Joseph H., assignor to Inland Glass Company, Chicago, Ill. Dispensing apparatus for liquid hydrocarbons. 1,632,815; June 21.
Allert, Cornelius. (See Williams, Sylvester J., assignor.)
Allied Packers, Inc. (See Appleton, Joseph H., assignor.)
Allis-Chalmers Manufacturing Company. (See Davis, Rae W., assignor.)
Alma, Carl E. (See Alma, Maximilian and C. E.)
Alma, Maximilian, and C. E., Vienna, Austria. Repositioning device for swinging coupling heads on railroad vehicles. 1,632,942; June 21.
Altorfer, Alpheus W., Peoria, Ill. Washing machine. 1,632,866; June 21.
Aluminum Company of America. (See Norton, Allen B., assignor.)
Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and machine for covering flexible strips. 1,632,816; June 21.
American Coating Mills. (See Colbert, C. C., and Preston, assignors.)
American Flange & Manufacturing Company. (See Burgess, Francis R., assignor.)
American Safety Razor Corporation. (See Kaufman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
American Telephone and Telegraph Company. (See Eagon, Lloyd L., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Zinn, Manvel K., assignor.)
Anderson, Noah D., Brainerd, Minn. Razor. 1,632,778; June 21.
Anderson, Rufus L., Orlando, Fla. Headlight-deflecting attachment. 1,633,509; June 21.
Antunes, Alberto, assignor to V. Gonsalves, Boston, Mass. Combined engine stop motion, visual alarm, and condenser for motor-driven vehicles. 1,633,156; June 21.
Appleton, Joseph H., Oshkosh, Wis., assignor to Allied Packers, Inc., Chicago, Ill. Apparatus for reshaping hams. 1,633,157; June 21.
Archaouloff, Vadime, Boulogne-sur-Seine, France. Cylinder head of internal-combustion engines combined with fuel injectors. 1,633,158; June 21.
Arkell & Smiths. (See Tooker, J. N., and Harley, assignors.)
Art Metal Construction Company. (See Bush, Ellis C., assignor.)
Artizan Factories, Inc. (See Maerten, Christian, jr., assignor.)
Asman, Lionel. (See Karcher, L. C., and Asman.)
Atchley, William T., Delta, Colo. Mulcher attachment for cultivators. 1,633,469; June 21.
Atlas Powder Company. (See Shipley, Stanley D., assignor.)
Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Vehicle body. 1,633,159; June 21.
Auerbach, Karl, Saalfeld-Saale, Germany, assignor to H. F. Hoevel, New York, N. Y. Upsetting machine. 1,633,430; June 21.
Austin Machinery Corporation. (See Loken, Truls, assignor.)
Autocall Company, The. (See Richmond, Louis E., assignor.)
Automatic Electric Inc. (See Lomax, Clarence E., assignor.)
Automatic Electric Inc. (See McElyea, Harley B., assignor.)
Automatic Electric Inc. (See Ray, Arthur J., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automotive Corporation, The. (See Mowbray, James W., assignor.)
Automotive Valves Co., The. (See Burtnett, Everett R., assignor.)
Ayling, George W., Springfield, Ill. Kite. 1,633,510; June 21.
Bagamery, Alexander, South River, N. J. Safety cigar holder. 1,633,431; June 21.
Baker Perkins Company. (See Harber, Laurence S., assignor.)
Baldwin, Raymond J., Wissinoming, Pa. Combination radiator connection. 1,633,511; June 21.
Baldwin, William C. P., London, Ontario, Canada. Direction indicator. 1,633,303; June 21.
Ball, Charles M., jr., Denver, Colo. Drink mixer. 1,633,470; June 21.
Bangser, William, New York, N. Y., assignor to Maimin Speed Control Corporation. Mounting for sewing-machine motors. 1,632,781; June 21.
Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Folding paper cup. 1,632,867; June 21.
Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Paper cup and blank for making the same. 1,632,868; June 21.
Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co. Paper cup. 1,632,869; June 21.
Barks, Frank S., St. Louis, Mo. Lubricating apparatus. 1,633,304; June 21.
Barnard, Dudley J., Barking, England. Grab. 1,633,305; June 21.
Baron, John, Long Island City, assignor, by mesne assignments, to L. Laxer and C. Young, New York, N. Y. Closure lock. 1,633,508; June 21.
Barrett, Arthur M., Winnetka, Ill. Lifting truck. 1,633,390; June 21.
Barry-Wehmiller Machinery Company. (See Dawson, J. W., and Herold, assignors.)
Bartlett, Albert C., Watford, and R. Le Rossignol, Harrow, assignors to The General Electric Company Limited, London, England. Thermionic valve. 1,632,870; June 21.
Bartlett Hayward Company, The. (See Kennedy, James S., assignor.)
Bartlett, John N., Winnipeg, Manitoba, Canada. Amusement device. 1,633,204; June 21.
Bartling, Howard G., assignor to Peerless Pneumatic Systems, Inc., Chicago, Ill. Spraying cabinet and apparatus. 1,633,306; June 21.
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,632,817; June 21.
Baskin, Maurice, et al. (See Watter, Michael, assignor.)

Bassett, Fred H., Washington, D. C. Dirigible balloon. 1,633,238; June 21.

Bassick Manufacturing Company, The. (See Zerk, Oscar U., assignor.)

Bates, Franklin S., Mount Vernon, N. Y. Straw hat. 1,633,358; June 21.

Bateson, Donald M., Marshalltown, Iowa. Snubber hook and quick-fastener link. 1,633,512; June 21.

Baumann, Karl, Urmston, England, assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company. Reduction gearing. 1,632,989. June 21.

Baumberger, William J., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,633,060; June 21.

Baumgartner, Werner, Elgin, Ill. Valve. 1,633,061; June 21.

Bayles, Lewis C., and F. M. Slater, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Disk valve for rock drills. 1,633,471; June 21.

Beach, Edward F., assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 1,632,871; June 21.

Beaumont, R. H., Company. (See Warner, Arthur, assignor.)

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Side panel for metal dishes or similar articles. Des. 72,881; June 21.

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Side panel for metal dishes or similar articles. Des. 72,882; June 21.

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Base for metal bowls or similar articles. Des. 72,883; June 21.

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Border panel for metal dishes or similar articles. Des. 72,884; June 21.

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Base for a fountain pen holder. Des. 72,885; June 21.

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Base for a fountain pen holder. Des. 72,886; June 21.

Becker, Frederick W., East Rutherford, N. Y. Welding and cutting apparatus. 1,633,359; June 21.

Beebe, Eugene F., Minneapolis, Minn. Resilient mounting for washing-machine plungers. 1,632,943; June 21.

Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Johnson, Herbert B., assignor.)

Belle City Manufacturing Company. (See Johnson, Alfred C., assignor.)

Bendix Brake Company. (See Bendix, V., and La Brie, assignors.)

Bendix Brake Company. (See La Brie, Ludger E., assignor.)

Bendix, Vincent, Chicago, Ill., and L. E. La Brie, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,632,782; June 21.

Bennett, John C., et al. (See Haubert, Leo, assignor.)

Bennett, Joseph, North Adams, Mass., assignor to Consolidated Textile Corporation, New York, N. Y. Finished fabric and making same. 1,633,160; June 21.

Bens, Samuel J., New York, N. Y. Fuel tank. 1,633,062; June 21.

Bergmann, Carl G., Chicago, Ill. Arch support. 1,633,513; June 21.

Bernarducci, Louis, Bronx, N. Y. Hair-cutting machine. 1,633,063; June 21.

Berry, Christopher H., Newark, N. J. Automatic grease cup. 1,632,872; June 21.

Beskin, Irving, Jersey City, N. J. Automatic toasting and buttering machine. 1,633,391; June 21.

Bettendorf Company, The. (See Reck, Peter W., assignor.)

Bilbo, Sedgie K., Tylertown, Miss. Fan support. 1,633,514; June 21.

Bird, Walter J., Flushing, N. Y. Menu holder. 1,632,783; June 21.

Black & Decker Manufacturing Company, The. (See Stumpf, Walter, assignor.)

Black, Frank J., Crafton, Pa. Ring gear and making the same. 1,632,818; June 21.

Blackburn, Joseph T. (See Van Ausdal, J. H., and Blackburn.)

Blackwell, Waldo R. (See Van Derbeck, S. G., and Bortolin, assignors.)

Blair, Robert S., Sound Beach, Conn. Heat-conducting apparatus. 1,632,784; June 21.

Blair, Robert S., Sound Beach, Conn. Pocket article and the like. 1,632,785; June 21.

Blake, C. C., Incorporated. (See Blake, Charles C., assignor.)

Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Making shoes. 1,632,944; June 21.

Blidsoe, Hugo, New York, N. Y. Tool holder. 1,633,239; June 21.

Blidsoe, Hugo, New York, N. Y. Pipe and cigar holder for the purpose of eliminating the nicotine. 1,633,240; June 21.

Bliss, Anna M. H., Long Beach, Calif. Apron. 1,632,873; June 21.

Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lubricating bearing surfaces. 1,632,874; June 21.

Bodin, George, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,632,990; June 21.

Boedecker, Friedrich, Berlin-Dahlem, Germany. Sedative and hypnotic ureides. 1,633,392; June 21.

Bohacek, Bruno P., assignor to Maschinenfabrik Moenus Aktien-Gesellschaft Frankfort-on-the-Main, Germany. Pegging machine. 1,633,307; June 21.

Boice, Harry. (See Haon, H. J., and Boice.)

Bolton, Archer L., North Andover, Mass. Spiral bar. 1,633,308; June 21.

Boomer, George A., assignor to The Plume & Atwood Mfg. Co., Waterbury, Conn. Electric-lighting fixture. 1,633,309; June 21.

Booth, William N., Detroit, Mich. Nut. 1,632,991; June 21.

Borsky, Harry. (See Freedman, H., and Borsky.)

Bortolin, Joseph. (See Van Derbeck, S. G., and Bortolin.)

Boston Auto Gage Company, The. (See Gregory, George P., assignor.)

Boucher, Adélard, Winchendon, Mass. Door hinge. 1,633,432; June 21.

Bouvier, George A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-handling apparatus. 1,632,875; June 21.

Bouvier, George A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-tensioning device. 1,632,876; June 21.

Bowlin, John E. (See Carmichael, T., and Bowlin.)

Boyer, Henry, Jersey City, N. J., and M. Klevins, Brooklyn, N. Y. Fountain pen. 1,633,433; June 21.

Boynton, Alexander, San Antonio, Tex. Polished-rod rotor. 1,633,064; June 21.

Bozarth, William H., Vineland, N. J. Bathtub seat. 1,633,310; June 21.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island, N. Y. Throttle-control apparatus for brake-applying mechanism. 1,633,360; June 21.

Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)

Bragg, Thomas A., assignor to The Owens Bottle Company, Toledo, Ohio. Cooling molds. 1,632,992; June 21.

Braggiotti, Isidore. (See Serchi, Enrico, assignor.)

Braren, Lorenz K., Munich, Germany, assignor to the Firm: Friedrich Deckel, Präcisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Internal-combustion engine. 1,633,541; June 21.

Braswell, Fred E., and S. T. Ray, Gadsden, Ariz. Trench-cleaning device. 1,633,311; June 21.

Bray-Hurd Process Company. (See Hurd, Earl, assignor.)

Breceinski, Karl, Mauston, Wis. Clevis. 1,632,877; June 21.

Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Heating device. 1,633,065; June 21.

Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Oil-burning furnace and thermostatic control therefor. 1,633,066; June 21.

Bremer, Harry A., Chicago, Ill. Radio condenser coupling. 1,632,878; June 21.

Brewster, Ruby T., New York, N. Y. Atomizer. Des. 72,887; June 21.

Brewster, Ruby T., New York, N. Y. Atomizer. Des. 72,888; June 21.

Brewster, Ruby T., New York, N. Y. Bottle or similar container. Des. 72,889; June 21.

Brick, Perry A., assignor to The National Grave Vault Co., Galion, Ohio. Self-dumping truck. 1,633,515; June 21.

Briggs Manufacturing Company. (See Malse, Herman C., assignor.)

Broadmeyer, Albert, assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Sheet-feeding apparatus. 1,632,945; June 21.

Brock & Weymouth, Incorporated. (See Holst, Lodewyk J. R., assignor.)

Broderick-Son-Raymond Co. (See Raymond, Lambert L., assignor.)

Broughton, Arthur E., Minneapolis, Minn. Apparatus for removing air from steam condensing systems. 72,890; June 21.

Brower, William M., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Multiple variable condenser. 1,633,516; June 21.

Brown, Amos E., Damascus, Ark. Train-controlled railway-crossing gate. 1,633,517; June 21.

Brown, Arthur C., Newark, N. J. Jewelry clasp. Des. 72,890; June 21.

Brown Company. (See Richter, George A., assignor.)

Brown, Haydn, London, England. Measuring respired air in testing the lungs. 1,633,393; June 21.

Bruner, Martin R., Buckland, Ohio. Tractor plow. 1,633,205; June 21.

Brünig, Victor, Berlin-Grunewald, Germany. Production of canals. 1,632,946; June 21.

Brush, Alanson P., Detroit, Mich. Vehicle spring. 1,632,993; June 21.

Bryan, William J., Jersey City, N. J. Chain link. 1,633,434; June 21.

Bryant, Niles, Battle Creek, Mich. Cord-actuated burglar alarm. 1,633,361; June 21.

Burgess, Francis R., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and sealing means therefor. 1,633,555; June 21.

Burgess, Francis R., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and sealing means therefor. 1,633,556; June 21.

Burgess, Herbert S., Kellogg, Idaho. Cooling system for automobiles. 1,632,994; June 21.

Burke, Charles E., assignor, by mesne assignments, to Du Pont Viscoloid Company, Wilmington, Del. Fireproofed product and the production thereof. 1,633,067; June 21.

Burlew, Gilderoy O., New York, N. Y. Artificial tooth. 1,633,241; June 21.

Burns, Edward L., assignor, by mesne assignments, to S. D. Williams, Los Angeles, Calif. Fire extinguisher. 1,633,312; June 21.

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,632,879; June 21.

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Inlet manifold for internal-combustion engines. 1,632,880; June 21.

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,632,881; June 21.

Burton, Charles W., jr., Ocean Park, Calif. Pneumatic gear-shifting device. 1,632,947; June 21.

Burton, Robert N. (See Dahl, Conrad, assignor.)

Bush, Ellis C., assignor to Art Metal Construction Company, Jamestown, N. Y. Guiding or controlling mechanism for trucks or the like. 1,633,473; June 21.

Busha, Leon, assignor to W. E. Nelson, Minneapolis, Minn. Strip shingle. 1,633,474; June 21.

Caldwell, Paul A., Tell, Tex. Attachment for cultivators. 1,633,394; June 21.

Cárdenas, Francisco, Piedras Negras, Mexico. Water pump. 1,632,948; June 21.

Carkey, George M., Los Angeles, Calif. Combined weed cutter and cultivator. 1,632,883; June 21.

Carlson, Charles G., Chicago, Ill. Curtain-stretcher clamp. 1,632,995; June 21.

Carlson, Martin O., Chicago, Ill. Push sled. 1,633,362; June 21.

Carlson, Martin O., Chicago, Ill. Push-sled brake. 1,633,363; June 21.

Carlsson, Svante A., Lethbridge, Ontario, Canada. Irrigation door. 1,633,395; June 21.

Carmichael, Thomas, and J. E. Bowlin, Fort Bragg, Calif. Sawmill setwork. 1,633,206; June 21.

Carriol, Louis. (See Muller, A., and Carriol.)

Carter, Herbert F., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Serving machine. 1,632,884; June 21.

Carter, Orin E. (See Carter, S. W. and O. E.)

Carter, Sanford W. and O. E., assignors of one-third to E. P. Peers and one-third to G. B. Winfrey, Los Angeles, Calif. Automaton advertising device. 1,633,313; June 21.

Cartoning Machinery Corporation. (See Evans, H. L., and Hobi, assignors.)

Carvalho, Louis da C., New Orleans, La. Dumping vehicle. 1,633,364; June 21.

Carver, Thomas A. B., London, England. Pattern-controlled shedding mechanism. 1,633,475; June 21.

Capaldo, Louis A., New York, N. Y. Parasol. 1,632,882; June 21.

Cavenagh, Frank, Seneca Falls, N. Y. Revolving disk valve. 1,633,161; June 21.

Chambless, Ersyl F., Chicago, Ill. Hat cover. 1,632,786; June 21.

Chandler, A. R. (See Osborne, William L., assignor.)

Chapman, Byron V., et al. (See Owen, John H., assignor.)

Chastain, William E., Wichita, Kans. Seat-actuating means for sanitary closets. 1,632,819; June 21.

Cheda, J. B. (See Little, Harry C., assignor.)

Chesnut, William C., assignor to Hartmann Trunk Company, Racine, Wis. Trunk cushion and retainer. 1,632,996; June 21.

Chicago Pneumatic Tool Company. (See Penberthy, Ernest, assignor.)

Chicago Telephone Supply Company. (See Diener, Riley M., assignor.)

Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Railway-car construction. 1,633,162; June 21.

Christofferson, Christian A., St. Paul, Minn. Automatic storm-window regulator. 1,632,949; June 21.

Chritton, George A., trustee. (See Eckart, George F., assignor.)

Clarin, David X., assignor to Oskite Products, Inc., New York, N. Y. Dishwashing machine. 1,633,396; June 21.

Clark, Ernest, Abington, assignor to Abington Textile Machinery Works, Boston, Mass. Pneumatic stripper attachment for carding engines. 1,633,542; June 21.

Clark, Omar E., Denver, Colo. Hoist. 1,633,543; June 21.

Clay, Frank, assignor of five-sixths to J. Adler and one-sixth to E. C. Rodenmeyer, St. Louis, Mo. Mop wringer. 1,633,518; June 21.

Clifton, Francis R., Omaha, Nebr. Awning-rod clamp. 1,633,436; June 21.

Climax Engineering Co. (See Wishart, Harold W. and W., assignors.)

Coe, Harrison S., Lawrence, Kans. Classifier. 1,633,371; June 21.

Cofar, Lemel, Milwaukee, Wis. Display stand. 1,632,820; June 21.

Coghlin, B. J., Company Limited. (See Picard, Georges, assignor.)

Colbert, Charles C., and G. E. Preston, assignors to American Coating Mills, Elkhart, Ind. Web-coating apparatus. 1,632,885; June 21.

Cole, Lorne A., Brantford, Ontario, Canada. Coil-forming machine. 1,633,068; June 21.

Coleman, William C., Wichita, Kans. Centrifugal separator and amalgamator. 1,632,950; June 21.

Collette Manufacturing Company, The. (See Ross, Charles E., assignor.)

Collier, Vincent, Worcester Park, England. Support for seats and the like. 1,633,476; June 21.

Columbia Lighting Fixture Co. (See Peinlich, Max, assignor.)

Connelly, Frank B. (See Gall, W. W., and Connelly.)

Connolly, Thomas J., assignor to The Hiker Manufacturing Company, Toledo, Ohio. Wheel skate. 1,632,997; June 21.

Consolidated Textile Corporation. (See Bennett, Joseph, assignor.)

Continental Can Company. (See Prahl, Frederick A., assignor.)

Cooney, Frank, Detroit, Mich. Shade-roller bracket. 1,633,069; June 21.

Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)

Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Flash water cooler. 1,633,372; June 21.

Coppock, Andrew J., Detroit, Mich. Fuel vaporizer. 1,632,951; June 21.

Cornwell, Arthur L., and L. R. Grames, Wellsville, N. Y. Wheel puller. 1,633,314; June 21.

Cote, Alfred, Montreal, Quebec, Canada. Electric water heater. 1,632,321; June 21.

Coughlin, William G., Philadelphia, Pa. Rail-joint support. 1,632,998; June 21.

Council, John G., assignor to McCallum Hosiery Co., Northampton, Mass. Run-stop course for knitted fabrics. 1,632,999; June 21.

Cox, Louis T., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,632,886; June 21.

Crane, Daniel, Saginaw, Mich., assignor of one-half to J. G. Crane, Kendaia, N. Y. Table. Des. 72,891; June 21.

Crane, James G. (See Crane, Daniel, assignor.)

Crawford, Frank E., York, Nebr. Differential. 1,632,787; June 21.

Crawford, James B., Bismarck, N. Dak. Stop and brake for twine machines. 1,633,477; June 21.

Crawford, John H., A. W. Helmholtz, and D. Ferrell, assignors to Safety Pressure Mining & Equipment Company, Harrisburg, Ill. Blasting cartridge. 1,632,887; June 21.

Cregier, Nathaniel B., Chicago, Ill. Photographic camera. 1,633,378; June 21.

Crocker, Thomas N., et al. (See Owen, John H., assignor.)

Crouse, Stedman P., West Somerville, Mass. Drafting implement. 1,633,163; June 21.

Crowell, Clarence F., assignor to Rochester Germicide Company Inc., Rochester, N. Y. Liquid-dispensing apparatus. 1,633,519; June 21.

Cruickshank, Warburton K., Regina, Saskatchewan, Canada. Pulverizing machine. 1,633,164; June 21.

Crump, Frank H., Los Angeles, Calif. Temporary binder. 1,633,070; June 21.

Culver, Guy L., Scranton, Pa. Street barrier. 1,632,000; June 21.

Cumner, Matthew S. (See Geissenhainer, F. W., and Cumner.)

Cunningham, T. S., et al. (See Hansen, John, assignor.)

Cuppett, Charles J., Uniontown, Pa. Vehicle brake. 1,633,001; June 21.

Curtiss Aeroplane and Motor Company. (See Nutt, Arthur, assignor.)

Cutler, Frank W., assignor to Cutler Manufacturing Company, Portland, Oreg. Fruit grader. 1,633,002; June 21.

Cutler Manufacturing Company. (See Cutler, Frank W., assignor.)

Cylinder Top Oilers, Limited. (See Heywood, James H., assignor.)

Dahl, Conrad, Springfield, Ohio, assignor to R. N. Burton, Chicago, Ill. Self-balancing kite. 1,632,822; June 21.

Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)

Dale, Oswald, assignor to The Acme Wire Co., New Haven, Conn. Translucent screen for projected pictures. 1,633,315; June 21.

Dales, Lewis J., Mount Vernon, N. Y. Producing carbon black. 1,633,071; June 21.

Daniels, Cecil C., assignor of one-fourth to F. W. Stephens and one-fourth to L. Hughes, Wesinco, Tex. Vegetable-washing machine. 1,633,437; June 21.

Darling, James G., Norwood, Ohio. Cutting-blade attachment. 1,632,823; June 21.
Daughs, Charles W., Alameda, Calif., assignor to Daughs Ship Crane Company. Method and apparatus for handling lumber. 1,632,952; June 21.
Daughs Ship Crane Company. (See Daughs, Charles W., assignor.)
David Crystal, Inc. (See Worth, Jean C., assignor.)
Davidson, Daniel W., Big Spring, Tex. Sash-pulley marker. 1,632,824; June 21.
Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick, Chicago, Ill. Stencil sheet. 1,633,072; June 21.
Davis, Clifton I., et al. (See Thietten, Frank, assignor.)
Davis, Howard C., Elizabeth, N. J. Steam trap. 1,633,165; June 21.
Davis, Lewis F., Huntington Beach, Calif. Oil saver and antisplasher. 1,632,880; June 21.
Davis, Lewis F., and L. W. Schnepp, Huntington Beach, Calif. Water heater. 1,632,888; June 21.
Davis, Lewis W., Seattle, Wash. Driving mechanism for motor vehicles. 1,633,316; June 21.
Davis, Rae W., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power installation. 1,633,166; June 21.
Davis, Rae W., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power installation. 1,633,167; June 21.
Dawson, Joseph W., and J. L. Herold, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle cover. 1,633,073; June 21.
De Alcocer, Eugenio N. and F. O., Mexico, Mexico. Spark plug. 1,633,435; June 21.
De Alcocer, Francisco O. (See De Alcocer, Eugenio N. and F. O.)
Deatwood, Joseph, Sault Ste. Marie, Mich. Cabinet ironing board. 1,633,003; June 21.
De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Wall pocket or similar article. Des. 72,892; June 21.
Deckel, Friedrich, Präcisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Degener, Gustave O., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Adding attachment for typewriting machines. 1,633,242; June 21.
Delacommune, Charles E. E., Paris, France. Device for regulating the advance of a band with reference to a cinematographic apparatus controlling said band. 1,633,478; June 21.
De Laski & Thropp Circular Woven Tire Company, The. (See Moreland, Lester A., assignor.)
Del Monte, Joseph L., et al. (See Hedrickson, Henry P., assignor.)
Demers, Arrestid, Sherbrooke, Quebec, Canada. Billiard cue, rod, and like article, rack hanger and locker. 1,633,004; June 21.
De Mott, Richard H., Tenafly, N. J. Surgical device. 1,633,074; June 21.
Denser, Charles, New Brighton, Pa. Audible alarm. 1,633,374; June 21.
Denver Ice & Cold Storage Company. (See Kofford, Earl J., assignor.)
Denver Rock Drill Manufacturing Company, The. (See Nell, Gustave M., assignor.)
De Pamphilis, Gennaro, New York, N. Y. Wrist paste container and distributor. 1,632,890; June 21.
De Pew, Herman E., Alameda, Calif. Antproof shelf bracket. 1,633,438; June 21.
De Rosa, Steve, Brooklyn, N. Y. Window-cleaning device. 1,633,479; June 21.
Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Toggle press. 1,633,317; June 21.
Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Insulated mounting for electrical contacts. 1,633,005; June 21.
De Witt, William J., Auburn, N. Y. Hollow shoe form. 1,632,953; June 21.
De Witt, William J., Auburn, N. Y. Shoe form. 1,632,955; June 21.
De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,632,954; June 21.
De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Preparing footwear. 1,633,075; June 21.
Diamond, Charles L. A., Newburgh, N. Y. Amusement device. 1,633,397; June 21.
Dick, A. B. (See Davis, Alex B., assignor.)
Dickerman, John A., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Mushrooming bullet. 1,633,168; June 21.
Diebold, Charles J., Winnipeg, Manitoba, Canada. Whistling ball. 1,632,825; June 21.
Diener, Riley M., assignor, by mesne assignments to Chicago Telephone Supply Company, Elkhart, Ind. Jack box. 1,632,788; June 21.
Dion, Alfred J., Indian Orchard, Mass. Automatic signal indicator for creeling frames. 1,633,439; June 21.
Domscheit, Frederick E., Brooklyn, N. Y. Window. 1,632,789; June 21.
Donald, William, Glasgow, Scotland. Steam-boiler and evaporator. 1,633,398; June 21.
Dorsey, Farnum F., Rochester, N. Y. Duster. 1,633,076; June 21.
Dorsey, Herbert G. (See Lapp, Claude J., assignor.)
Drake, Warren C. (See Priebe, E. B., and Miner, assignors.)
Dreesen, Jerome J. B., Jefferson, Tex. Tool. 1,633,077; June 21.
Drenning, Percy R. (See Symington, T. H., and Drenning.)
Drew, Thomas, West Springfield, Mass. Dirt-ejecting vacuum cleaner. 1,633,561; June 21.
Drish, Frank W., Hollywood, Calif. Garden implement. 1,633,318; June 21.
Dudley, James G., New York, N. Y. Awning casement window. 1,633,375; June 21.
Dundas, James W., Detroit, Mich. Auxiliary lifting arrangement for aeroplanes. 1,633,006; June 21.
Du Pont, E. I., de Nemours & Company. (See Haon, H. J., and Bolce, assignors.)
Du Pont Viscoloid Company. (See Burke, Charles E., assignor.)
Durnell, Harold G., Bartlesville, Okla. Roller box. 1,633,520; June 21.
Eagon, Lloyd L., New York, N. Y., assignor to American Telephone and Telegraph Company. Trunk signaling system. 1,632,826; June 21.
Ebmeier, Harry E., Bertrand, Nebr. Seed-corn sheller. 1,633,365; June 21.
Eckart, George F., South Bend, Ind., assignor to G. A. Chritton, trustee. Flexible coupling. 1,633,243; June 21.
Eckert, Grandon E., assignor to The R. Thomas & Sons Co., East Liverpool, Ohio. Insulator fitting. 1,633,399; June 21.
Economides, Michael J., Brooklyn, N. Y. Hinge. 1,633,480; June 21.
Edwards, William, Rock Springs, Wyo. Automatic switch. 1,633,521; June 21.
Egry Register Company, The. (See Jackson, Philip A., assignor.)
Ehinger, Fred C., Palmyra, Mich. Maul. 1,633,007; June 21.
Elfe, James M., assignor to White Mop Wringer Company, Fultonville, N. Y. Mop wringer. 1,633,008; June 21.
Elsey, William. (See Schlueter, Henry C., assignor.)
Ely, Raymond G., Trexlertown, Pa. Electric switch. 1,632,956; June 21.
Endless Belt Corporation, Inc. (See Grupe, William F., assignor.)
Engle, Andrew, Newton, assignor of one-half to J. Maine, Des Moines, Iowa. Disposing of waste material and utilizing components thereof. 1,633,078; June 21.
Engle, Andrew, Newton, assignor of one-half to J. Maine, Des Moines, Iowa. Disposing of waste material and utilizing components thereof. 1,633,079; June 21.
Engle, Andrew, Newton, assignor of one-half to J. Maine, Des Moines, Iowa. Disposing of waste products and utilizing components thereof. 1,633,080; June 21.
Engle, Andrew, Newton, assignor of one-half to J. Maine, Des Moines, Iowa. Disposing of waste material and utilizing components thereof. 1,633,081; June 21.
Epperson, Charles B., assignor of one-third to J. H. Tucker, Petersburg, and one-third to J. L. Rawlings, Sutherland, Va. Preventing chattering in transmissions. 1,633,440; June 21.
Ernst, Charles K., Buffalo, N. Y. Closure for area ways. 1,632,827; June 21.
Ernst, William, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Motor bracket. 1,633,009; June 21.
Eskholme, John W., Glen Ridge, N. J., assignor to Red Star Appliances, Inc., New York, N. Y. Envelope-sealing machine. 1,633,244; June 21.
Eskholme, John W., East Orange, N. J., assignor to Red Star Appliances, Inc., New York, N. Y. Stamp-canceling machine. 1,633,245; June 21.
Eskholme, John W., East Orange, N. J., assignor to Red Star Appliances, Inc., Stamford, Conn. Stamp-canceling machine. 1,633,246; June 21.
Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Distribution of intelligence. 1,633,082; June 21.
Estwing, Ernest O., assignor to Estwing Manufacturing Company, Inc., Rockford, Ill. Axe sheath. 1,633,319; June 21.
Estwing Manufacturing Company. (See Estwing, Ernest O., assignor.)
Evans, Charles B., Chicago, Ill. Resilient wheel. 1,633,522; June 21.
Evans, Harry L., and G. I. Hohl, assignors to Cartoning Machinery Corporation, Newport, R. I. Mechanism for lining cartons. 1,633,247; June 21.
Fagan, Thomas J., Arlington, Mass. Watch-chain swivel. 1,632,828; June 21.
Fairbanks, Morse & Co. (See Adams, Edward T., assignor.)
Fallou, Jean G., assignor to L'Union Generale d'Electricite, Paris, France. Frequency reducing arrangement. 1,633,481; June 21.
Farny, Cyril, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Grand-piano case. Des. 72,893; June 21.
Farny, Cyril, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Grand-piano case. Des. 72,894; June 21.
Federal Glass Company, The. (See Hanford, Orin A., assignor.)
Federal Telegraph Company. (See Brower, William M., assignor.)

Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Breast drill. 1,633,400; June 21.
Feinauer, Josef, New York, N. Y. Swimming shoe. 1,633,169; June 21.
Ferrell, Dent. (See Crawford, J. H., Helmholtz, and Ferrell.)
Findora, John A., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Machine for shortening springs. 1,633,010; June 21.
Firestone Tire and Rubber Company, The. (See Jones, Robert R., assignor.)
Firth, Alfred T., New York, N. Y. Shears or scissors and the like. 1,633,441; June 21.
Fischer, Hermann, New York, N. Y., assignor to Tower Manufacturing Corporation, Boston, Mass. Electrical sound transmitting and receiving apparatus. 1,633,170; June 21.
Fischer, Hermann, assignor to Tower Manufacturing Corporation, Baston, Mass. Sound amplifier. 1,633,366; June 21.
Fisher, Jacob, Wabash, Ind. Tool for wrapping wire. 1,633,401; June 21.
Fisk Rubber Company, The. (See Hennessy, Daniel E., assignor.)
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fite, John E., jr., Philadelphia, Pa. Bottle holder. 1,633,083; June 21.
Fitzgerald Mfg. Company, The. (See Fitzgerald, Maurice F., assignor.)
Fitzgerald, Maurice F., assignor to The Fitzgerald Mfg. Company, Winsted, Conn. Curling iron. 1,633,171; June 21.
Flanigan, John J., Oak Park, Ill. Spindle. 1,633,084; June 21.
Fleissner, Hans, Leoben, Austria. Drying coal and the like. 1,632,829; June 21.
Forshaw, Richard, Weaste, near Manchester, England. Knife-sharpening machine. 1,633,085; June 21.
Fort Pitt Bedding Company. (See Findora, John A., assignor.)
Foster, Samuel P., assignor to R. C. Lynn, Chattanooga, Tenn. Dirigible headlight. 1,633,442; June 21.
Foster, William E., Detroit, Mich. Polishing wheel and treating same. 1,633,523; June 21.
Fox, Werner J., New Orleans, La. Motor cycle trailer attachment. 1,633,086; June 21.
Fraim, Samuel R., Lancaster, Pa. Locking device. 1,633,172; June 21.
Franchetti, Alessandro, Florence, Italy. Injector for mineral oil motors. 1,633,320; June 21.
Frangedakis, Emmanuel J., Philadelphia, Pa. Coloscope. 1,633,443; June 21.
Frank, M. C., et al. (See Hendrickson, Henry P., assignor.)
Franke, Hermann, Hanover, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Closure means for manhole openings in steam boilers. 1,632,957; June 21.
Frasier, Bert, Pittsburgh, Pa. Concealed stairway. 1,633,321; June 21.
Fredriksson, John F., Brooklyn, assignor to The Kalbfleisch Corporation, New York, N. Y. Preparing satin white. 1,632,891; June 21.
Freedman, Hyman, and H. Borsky, New York, N. Y. Lock. 1,633,173; June 21.
Freeman, John R., Providence, R. I. Lantern slide. 1,633,376; June 21.
Fricburg, Alfred L., Gibson City, Ill. Cultivator blade. 1,632,958; June 21.
Fritsch, Jules, Paris, France. Landing gear. 1,633,174; June 21.
Frost, Harry W., Detroit, Mich. Spring suspension for railway cars. 1,633,011; June 21.
Fruitema, Henry A., assignor to The Wolf Company, Chambersburg, Pa. Advertising or sample package. 1,633,444; June 21.
Fryer, John W., St. Louis, Mo. Combination furniture. 1,632,790; June 21.
Fullenlove, McClellan C., assignor of one-half to P. Jacob, Toledo, Ohio. Lock mechanism. 1,633,087; June 21.
Fullilove, John A., Market Harborough, England. Machine for casting boxes and other hollow metal articles. 1,633,088; June 21.
Furber, James B., Linden, N. J., and K. L. Rankin, New York, N. Y. Plotting device. 1,633,402; June 21.
Gail, William W., and F. B. Connelly, Billings, Mont. Game apparatus. 1,633,445; June 21.
Galt, Perce R., Philadelphia, Pa. Sanitary heating pack. 1,633,482; June 21.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding and vulcanizing apparatus. 1,632,830; June 21.
Garland, James A., Portsmouth, N. H. Tire-chain fastener. 1,633,524; June 21.
Gärtner, Richard H., Hamburg, Germany. Removing tetranitromethane from trinitrotoluene. 1,632,959; June 21.
Gay, Horace C. (See Jeffers, Bailey L., assignor.)
Geisenhainer, Frederick W., Freehold, N. J., and M. S. Cummer, Brooklyn, assignors to Nestor Manufacturing Company, Inc., New York, N. Y. Bus-bar bender. 1,633,248; June 21.
General Electric Company Limited, The. (See Bartlett, A. C., and Le Rossignol, assignors.)
General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
Gercich, Frederick A., Oakland, Calif. Splasher back for stoves. 1,633,089; June 21.
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
Giese, Otto E., Brooklyn, N. Y. Filter. 1,632,960; June 21.
Gieseke, Henry J., Elizabeth, N. J., assignor to Mrs. K. Goodyear, New York, N. Y. Hydrocarbon burner. 1,633,175; June 21.
Giest, John W., Ely, Mo. Operating table for animals. 1,632,831; June 21.
Gilman, Charles D., Oakland, Calif. Clamping band for tree limbs. 1,633,090; June 21.
Girard, Fritz, Hanau-on-the-Maine, Germany. Reflector for quartz lamps. 1,633,525; June 21.
Glans, Jöns E. (See Glans, Karl J. and J. E.)
Glans, Karl J. and J. E., Stockholm, Sweden. Firearm. 1,632,892; June 21.
Glans, Marie, Union City, N. J. Door alarm. 1,632,893; June 21.
Glover, Fred, Caulfield, Victoria, Australia. Jet and spray nozzle. 1,633,012; June 21.
Gluyas, Edwin L., Maricopa, Calif. Sucker rod and plunger rotator. 1,633,013; June 21.
Goeller, Edward F., New York, N. Y. Battery-terminal connecter. 1,633,176; June 21.
Gold, Samuel, Los Angeles, Calif. Spring surface bolt. 1,632,832; June 21.
Goldsmith, Bertram J. (See Koeb, Emil, and Goldsmith.)
Goldsmith, Bertram J., New York, assignor, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y. Door handle. 1,633,177; June 21.
Gonsalves, Vincente. (See Antunes, Alberto, assignor.)
Goodman Manufacturing Company. (See Bodin, George, assignor.)
Goodman Manufacturing Company. (See Pearce, James W., assignor.)
Goodman Manufacturing Company. (See Vodoz, Frederick W., assignor.)
Goodwin, Nathan R., Trenton, N. J. Attachment for calenders. 1,633,249; June 21.
Goodrich, B. F., Company, The. (See Ambler, Robert R., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodyear, Mrs. Katherine. (See Giesecke, Henry J., assignor.)
Gordon, Israel. (See Miller, W. R., and Gordon.)
Gorman, Frank D., New York, N. Y. Ironing board. 1,633,403; June 21.
Gottlob, Harry R., Maplewood, Mo. Advertising billboard. Des. 72,895; June 21.
Gould Storage Battery Company. (See Snyder, Almond H., assignor.)
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Graham, Ota T., Richmond, Va. Gasoline-dispensing system. 1,633,483; June 21.
Grames, Lawrence R. (See Cornwell, A. L., and Grames.)
Grand Rapids Metalcraft Corporation. (See De Boer, Rudolph, assignor.)
Grand Rapids Store Equipment Corporation. (See Morris, Edmund, assignor.)
Gravell, James H., Elkins Park, Pa. Metal pickling. 1,632,833; June 21.
Great Northern Paper Company. (See Allen, Carlton H., assignor.)
Green, Thomas W., Westmont, N. J., assignor to Thomas Wilbraham Green Engineering Co., Philadephia, Pa. Suction cleaner. 1,633,367; June 21.
Green, Thomas Wilbraham, Engineering Co. (See Green, Thomas W., assignor.)
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,633,091; June 21.
Greene, Tweed & Co. (See McGuirk, Edward J., assignor.)
Greene, Whitney E., and A. E. Morong, Brookline, Mass. Valve-lifting device. 1,632,834; June 21.
Greenfield Tap and Die Corporation. (See Morgan, Ralph L., assignor.)
Gregory, George P., assignor to The Boston Auto Gage Company, Pittsfield, Mass. Float gauge. 1,633,322; June 21.
Gribble, Elmer T., assignor of one-half to R. E. Richard, Conlinga, Calif. Sucker-rod turner. 1,633,092; June 21.
Gross, Benjamin, assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 72,896; June 21.
Gross, Benjamin & Edward J., Co. Inc. (See Gross, Benjamin, assignor.)
Grupe, William F., Hudson Heights, N. J., assignor to Endless Belt Corporation, Inc. Delivery-control device for cigarette-making machines. 1,633,377; June 21.
Guenther, Henry L., Los Angeles, Calif. Can-capping machine. 1,633,250; June 21.
Guett, Monroe, assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Tube socket. 1,633,404; June 21.

Guett, Monroe, assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Switch. 1,633,405; June 21.
Guidotti, Otto, Buffalo, N. Y. Buoy. 1,633,484; June 21.
Guilborg, John S., assignor, by mesne assignments, to Alemite Die-Casting & Mfg. Co., Chicago, Ill. Press. 1,633,559; June 21.
Gurney, Erving R., Beechhurst, assignor to International Motor Company, New York, N. Y. Vehicle dash. 1,633,093; June 21.
Guth, Edwin F. Company, The. (See Moore, James S., assignor.)
Haag, Gustavus, assignor to International Motor Company, New York, N. Y. Brake mechanism. 1,632,961; June 21.
Habault, Sylvain R., Neuilly-sur-Seine, assignor to Societe d'Hygiene Pratique, Paris, France. Ventilation of water-closet pans. 1,632,791; June 21.
Haberkamp, Jessie M., assignor to The Charles H. Scott Company, Chicago, Ill. Nursing brassière. 1,632,894; June 21.
Haberle, Michael, Richmond Hill, N. Y. Window. 1,632,835; June 21.
Haddon, Walter, London, England. Electric accumulator casing. Electric accumulator casing. 1,633,094; June 21.
Hadley, Charles R., Company. (See Jones, J. M., and Webb, assignors.)
Hagelthorn, Thomas, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaner. 1,632,895; June 21.
Hagstrum, William A., Columbus, Ohio. Cast-iron steam heating furnace. 1,633,406; June 21.
Hainke, Edward. (See Hughes, Hugh T., assignor.)
Hainline Motors Corporation. (See Hainline, Theodore W., assignor.)
Hainline, Theodore W., assignor to Hainline Motors Corporation, Portland, Oreg. Internal-combustion engine. 1,633,323; June 21.
Halikman, Abraham, New York, N. Y. Antisplash device for storage batteries. 1,633,407; June 21.
Halmi, Steve, Yonkers, N. Y. Music-sheet turner. 1,633,408; June 21.
Hamilton Beach Mfg. Co. (See Ernst, William, assignor.)
Hammond, John H., jr., Gloucester, Mass. Pedal lock. 1,633,178; June 21.
Hammond, William P., East Orange, N. J. Wind deflector. 1,633,368; June 21.
Hanauer, Darwin, La Grange, Ill., assignor to Kinney Rome Company. Anchoring means between cushioning springs and a surrounding frame. 1,633,544; June 21.
Hanauer, Darwin, La Grange, Ill., assignor to Kinney Rome Company. Spring structure. 1,633,545; June 21.
Handelan, Daniel, Minneapolis, Minn. Air-moistening apparatus for hot-air furnaces. 1,632,836; June 21.
Handy, Ralph H., Berkeley, Calif. Wood preservative. 1,633,095; June 21.
Hanford, Orin A., deceased; A. J. Schlereth, administrator, assignor to The Federal Glass Company, Columbus, Ohio. Cooling molds. 1,632,962; June 21.
Hanford, Orin A., deceased; A. J. Schlereth, administrator, assignor to The Federal Glass Company, Columbus, Ohio. Glass-forming apparatus. 1,632,963; June 21.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism for rock drills. 1,633,526; June 21.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,632,837; June 21.
Hansen, John, Bettendorf, assignor of four twenty-fifths to W. H. Martin, ten twenty-fifths to T. S. Cunningham, and one twenty-fifth to T. McQuarrie, Davenport, Iowa. Mechanical golf instructor and exerciser. 1,633,327; June 21.
Hanson, Sigvort, Racine, Wis. Dispensing machine. 1,633,207; June 21.
Haon, Harry J., and H. Boice, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rolling machine. 1,633,096; June 21.
Harber, Laurence S., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Panfilling machine. 1,633,014; June 21.
Harding, Dana E., Arlington, assignor to Wright-Harding Company, East Boston, Mass. Glazing machine. 1,633,546; June 21.
Harley, John F. (See Tooker, J. N., and Harley.)
Harris, Albert W., Glens Falls, N. Y. Seam for woven wire fabrics. 1,632,964; June 21.
Harris, Joseph D., assignor, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich. Fluxing and cleaning apparatus. 1,633,015; June 21.
Harrison, John H. (See Rutledge, John J., assignor.)
Hart, George H., West Hartford, Conn. Switch mounting for electric ranges. 1,633,097; June 21.
Hart & Hegeman Manufacturing Company. (See Guett, Monroe, assignor.)
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-wave-modulating system. 1,633,016; June 21.
Hartmann Trunk Company. (See Chesnut, William C., assignor.)
Hartung, Leonard F., Los Angeles, Calif. Detachable cushion heel. 1,633,324; June 21.
Haubert, Leo, assignor of one-third to J. C. Bennett and one-third to J. A. Wolfe, Tulsa, Okla. Power-delivering attachment for automobile trucks or tractors. 1,633,208; June 21.
Hauswirth, Wilbur R., Long Beach, Calif. Oil-flowing device for wells. 1,633,325; June 21.
Hays, Harvey G., Columbus, Ohio. Staff support. 1,632,965; June 21.
Hebbard Manufacturing Company. (See Shackelford, Edward H., jr., assignor.)
Heese, Henry, Jersey City, N. J. Lightning-arrester system. 1,633,098; June 21.
Hellmann, Carl, Skelskor, Denmark. Machine adapted to catch and destroy bugs and similar noxious vermin on plants and bushes. 1,633,099; June 21.
Helmer, Granville A., Nazareth, Pa. Game apparatus. 1,632,792; June 21.
Heinz, Elizabeth S., administratrix. (See Heiz, Nicholas L., assignor.)
Heinz, Nicholas L., deceased, Walworth, Wis., E. S. Heinz, administratrix. Internal-combustion engine. 1,633,251; June 21.
Heinze, Paul, Detroit, Mich. Lettering device. 1,632,966; June 21.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plural channel signaling. 1,633,100; June 21.
Heller, John W., Arlington, Kans. Headlight-door remover and replacer. 1,633,528; June 21.
Hellman-Hupfel, Inc. (See Hupfel, A. G., jr., and Rector, assignors.)
Helmholtz, Arthur W. (See Crawford, J. H., Helmholtz, and Ferrell.)
Henderson, William, New York, N. Y. Came machine. 1,632,793; June 21.
Hendrickson, Henry P., Santa Rita, assignor of forty per cent to J. L. Del Monte and ten per cent to M. C. Frank, Oakland, Calif. Bunch rake. 1,633,017; June 21.
Hennessy, Daniel E., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stitching. 1,633,326; June 21.
Henninger, Albert B., Berlin, Germany. Steering gear for automobile vehicles. 1,633,209; June 21.
Herbison, Ira, Plessis, N. Y. Game apparatus. 1,633,210; June 21.
Herold, James L. (See Dawson, J. W., and Herold.)
Herr, Herbert T., Merion, Pa., assignor to Westingnouse Electric and Manufacturing Company. Exhaust device for engines. 1,632,896; June 21.
Herrdegen, Kurt, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying alkali metal cyanide solutions containing sulphides. 1,633,485; June 21.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Producing light hydrocarbon liquids. 1,632,967; June 21.
Hess, Edward T., Irondequoit, N. Y. Automatic gasoline vending machine. 1,633,327; June 21.
Heywood, James H., Radcliffe, assignor to Cylinder Top Oilers Limited, Leeds, England. Lubricating means for internal-combustion engines. 1,633,378; June 21.
Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
Hickok, W. O., Mfg. Co., The. (See Broadmeyer, Albert, assignor.)
Higgins, George F., Melrose, Mass. Coin-controlled apparatus. 1,632,838; June 21.
Hiker Manufacturing Company, The. (See Connolly, Thomas J., assignor.)
Hill, Guy. (See Mauborgne, J. O., and Hill.)
Hinton, William, San Bernardino, Calif. Mold for plastic materials. 1,633,328; June 21.
Hipps, Marvin F., Electra, Tex. Automatic cut-off. 1,632,968; June 21.
Hird, John B., assignor to Ideal Brake Reliner Company, Seattle, Wash. Machine for lining brakes and clutches. 1,633,018; June 21.
Hoevel, Herman F. (See Auerbach, Karl, assignor.)
Hoffman, Charles C., New York, N. Y. Magazine pencil. 1,633,529; June 21.
Hoge, Smith A., Rices Landing, Pa. Signaling apparatus for motor vehicles. 1,633,252; June 21.
Hohl, George I. (See Evans, H. L., and Hohl.)
Holmes, Arthur S., Oshkosh, Wis. Thread-cutting machine. 1,632,897; June 21.
Hollar, William H., jr., Drexel Hill, Pa. Envelope. 1,633,369; June 21.
Holst, Lodewyk J. B., Brookline, assignor to Brock & Weymouth, Incorporated, Philadelphia, Pa. Projection-tracing table. 1,633,253; June 21.
Holt, Lafayette. (See Horner, E. B., and Holt.)
Hoover, Edward A., Bradley, and W. C. Kirchner, Kankakee, Ill. Miter box. 1,633,409; June 21.
Horner, Earl B., and L. Holt, Burlington, N. C. Machine for treating road-building material. 1,632,969; June 21.
Houghton, George F. C., Flushing, N. Y. Loud-speaker unit. 1,633,179; June 21.
Houts, John R., McLean, Va. Scraper-edge turner. 1,633,329; June 21.

Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Panoraming device for photographic cameras. 1,633,101; June 21.
Hubbard, Moses G., Chatham, N. J. Thermostatic valve. 1,633,410; June 21.
Huff, William H., Hamlet, N. C. Adjustable tie plate. 1,632,970; June 21.
Hughes, Hugh T., Cleveland, Ohio, assignor, by mesne assignments, to E. Hainke, Grand Rapids, Minn. Plug-inserting tool. 1,633,330; June 21.
Hughes, Luther, et al. (See Daniels, Cecil C., assignor.)
Hughson, John A., New York, N. Y. Fastener for shirts, coats, and the like. 1,632,898; June 21.
Hunter, Samuel, Bellevue, Pa., assignor to Wappat Gear Works. Door-lock-mortising machine. 1,633,370; June 21.
Hupfel, Adolph G., jr., and T. M. Rector, assignor to Hellman-Hupfel, Inc., New York, N. Y. Mushroom paste. 1,633,379; June 21.
Hurd, Earl, assignor to Bray-Hurd Process Company, Inc., New York, N. Y. Apparatus for producing animated drawings. 1,633,547; June 21.
Hutchins, Colin, Leamington, Ontario, Canada. Collapsible mold core. 1,632,899; June 21.
Huth, Walter H., Chicago, Ill. Electrical condenser. 1,633,019; June 21.
Ideal Brake Reliner Company. (See Hird, John B., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Herrdegen, Kurt, assignor.)
Ingersoll-Rand Company. (See Bayles, L. C., and Slater, assignors.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Le Valley, John, assignor.)
Ingram, Floyd M., Sioux Rapids, Iowa. Cow hopple. 1,633,020; June 21.
Inland Glass Company. (See Allen, Joseph H., assignor.)
Inskeep, William D., and E. B. Parsons, San Francisco, Calif. Automatic releasing clutch. 1,632,839; June 21.
International Fire Equipment Corporation. (See Johnston, Charles O., assignor.)
International Motor Company. (See Gurney, Erving R., assignor.)
International Motor Company. (See Haag, Gustavus, assignor.)
International Motor Company. (See Shields, Henry B., assignor.)
International Silver Co. (See Beck, Ernest T., assignor.)
International Silver Co. (See Kintz, Robert R., assignor.)
Irving Engineering Sales Co. (See Irving, Frank J., assignor.)
Irving, Frank J., assignor to Irving Engineering Sales Co., Inc., Buffalo, N. Y. Operating mechanism for radiator shutters. 1,633,021; June 21.
Irwin, Lawrence C., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Compensating means for recording and indicating instruments. 1,633,380; June 21.
Jacob, Peritz. (See Fullenlove, McClellan C., assignor.)
Jacobs, Lillian, Cincinnati, Ohio. Carrier for buckets and the like. 1,633,022; June 21.
Jackson, Albert H., London, England. Electric motor-control system. 1,633,102; June 21.
Jackson, Philip A., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,633,103; June 21.
Jackson, Thomas, London, assignor to G. B. Ramsay, Folkestone, England. Governing device. 1,633,180; June 21.
James, Albert E., Natches, Miss. Oil-burning stove. 1,632,971; June 21.
Jammer, Jacob S., Cumberland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeater circuit for multiplex systems. 1,632,900; June 21.
Jardine, Robert, assignor to Rich Tool Company, Chicago, Ill. Roller tapper for poppet valves and making the same. 1,633,331; June 21.
Jeffers, Bailey L., assignor of one-half to H. C. Gay, Spokane, Wash. Pan holder. 1,632,972; June 21.
Jenks, Edwin A., Alderpoint, Calif. Roadway embankment. 1,633,211; June 21.
Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for working pulpous material. 1,633,181; June 21.
Johannegt, Jan C., The Hague, Netherlands. Advertising device. 1,632,973; June 21.
Johnson, Albert, et al. (See Sopher, Ted L., assignor.)
Johnson, Alfred C., assignor to Belle City Manufacturing Company, Racine, Wis. Tractor. 1,633,212; June 21.
Johnson, Allington H., Tacoma, Wash. Dirigible headlight for automobiles. 1,633,332; June 21.
Johnson, Herbert B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunking system. 1,632,901; June 21.
Johnson, Lewis H., Madison, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,632,902; June 21.
Johnson, Melvin, Danville, Ill. Dump truck. 1,633,104; June 21.
Johnson, William, et al. (See Sopher, Ted L., assignor.)
Johnston, Charles O., assignor, by mesne assignments, to International Fire Equipment Corporation, New York, N. Y. Fire extinguisher. 1,633,254; June 21.
Jones, Jesse M., and R. R. Webb, assignors to Charles R. Hadley Company, Los Angeles, Calif. Tray binder. 1,633,023; June 21.
Jones, Robert R., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Seal for driers, heaters, or the like. 1,633,548; June 21.
Jorgensen, Hans G., Erie, Pa. Antirattle joint strip. 1,632,903; June 21.
Jorgensen, Lewis, Sioux City, Iowa. Current retarder. 1,633,530; June 21.
Judelson, Julius, New York, N. Y. Load supporting and carrying device. 1,632,904; June 21.
Kalbfleisch Corporation, The. (See Fredriksson, John F., assignor.)
Kaptuller, Alexander F., Chicago, Ill. Universal joint. 1,633,333; June 21.
Karcher, Lawrence C., and L. Asman, Evansville, Ind. Automobile heater. 1,632,974; June 21.
Karwath, Alonzo H., Davenport, Iowa. Container for powdered substances. 1,633,105; June 21.
Kasdan, Nathan, New York, and D. Pollack, Brooklyn, N. Y. Article-containing case. 1,633,255; June 21.
Kassler, Frederick W., St. Louis, Mo. Coin-controlled lock. 1,633,411; June 21.
Kaufman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Combined case and razor blades. Des. 72,897; June 21.
Kaufman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Combined case and razor holder. 1,632,840; June 21.
Kautz, Charles W., jr., Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-restoring relay. Re16,661; June 21.
Kayline Co., The. (See Maerz, Frederick K.)
Kelleher, Thomas J., Chicago, Ill. Eye and face shield for grinding wheels. 1,633,412; June 21.
Keller, Andrew P., Tiffin, Ohio. Spray disk and method and apparatus for making the same. 1,633,531; June 21.
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kelly, Charles B., Seattle, Wash. Paint improving composition and size. 1,633,106; June 21.
Kel-Plastic Corporation. (See Meehan, G. F., and Kennedy, assignors.)
Kempter, Fritz, Stuttgart, Germany. Kneading and mixing machine. 1,632,975; May 21.
Kennedy, Arthur L. (See Meehan, G. F., and Kennedy.)
Kennedy, James S., Yonkers, N. Y., assignor to The Bartlett Hayward Company. System for automatic valve control. 1,632,905; June 21.
Kent, Walter G., London, England. Liquid meter. 1,633,532; June 21.
Kern, Albert L., Aurora, Ill. Brad driving and extracting tool. 1,633,533; June 21.
Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Fastening device for wrist-watch straps and bracelets. 1,633,381; June 21.
King, Joseph F., Brooklyn, assignor to H. A. Metz, New York, N. Y. Chemical composition. 1,633,213; June 21.
Kinney Rome Company. (See Hanauer, Darwin, assignor.)
Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Dish or similar article. Des. 72,898; June 21.
Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Tray or similar article. Des. 72,899; June 21.
Kintz, Robert R., assignor to International Silver Co., Meridian, Conn. Bowl or similar article. Des. 72,900; June 21.
Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Cup or similar article. Des. 72,901; June 21.
Kirchner, William C. (See Hoover, E. A., and Kirchner.)
Klein, Benjamin F. (See Maerz, Frederick K., assignor.)
Kleinhans, Arthur B., Easton, Pa. Building construction. 1,633,446; June 21.
Klevins, Maurice. (See Boyer, H., and Klevins.)
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Knapp, Charles P., New York, assignor of one-half to W. H. Mack, Johnson City, N. Y. Smoker's stand or the like. Des. 72,902; June 21.
Knight, Ira W., Cranston, assignor to General Fire Extinguisher Company, Providence, R. I. Testing device for booster-pump dry-pipe systems. 1,633,107; June 21.
Knight, Ira W., Cranston, assignor to General Fire Extinguisher Company, Providence, R. I. Valve apparatus. 1,633,108; June 21.
Knight, Ira W., Cranston, assignor to General Fire Extinguisher Company, Providence, R. I. Valve apparatus. 1,633,109; June 21.
Knoll, Anton, New Bedford, Mass. Hair net. 1,633,182; June 21.
Knotwell, Glenn R., assignor of one-half to E. W. Skelton, Wauneta, Nebr. Tractor guide. 1,633,334; June 21.
Kodel Radio Corporation, The. (See Ogden, Clarence E., assignor.)
Koeb, Emil, and B. J. Goldsmith, assignors to Perfect Window Regulator Corporation, New York, N. Y. Mounting construction. 1,633,182; June 21.

Koester, Henry, Irvington, N. J. Clothesline cleaner. 1,633,382; June 21.
Kofford, Earl J., assignor to Denver Ice & Cold Storage Company, Denver, Colo. Elevating platform for trucks. 1,633,024; June 21.
Koons, John F., Alexis, Ill. Valve-pin replacer. 1,633,110; June 21.
Kottmann, August, Sommerda, assignor to the Frm: Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Key mechanism for calculating and adding machines. 1,633,256; June 21.
Kourtzman, Per A., Vartan, near Stockholm, Sweden. Speed-indicating apparatus. 1,632,976; June 21.
Kovács, Theodor, Berlin, Germany. Reservoir pen. 1,633,111; June 21.
Kranz, Michael, assignor of one-fourth to W. H. Nelles, Chicago, Ill. Swivel plug. 1,633,025; June 21.
Krattli, Michael, Kansas City, Mo. Curtain fixture. 1,633,026; June 21.
Kreissig, Ernst, Uerdingen, Germany. Spring-supporting means and the like. 1,633,027; June 21.
Kruckenberg, Franz, Heidelberg, Germany. Overcoming great differences of height with high-speed passenger traffic. 1,633,214; June 21.
Kubierschky, Konrad, Eisenach, and W. Schultze, Halle-on-the-Saale, Germany. Fire-extinguishing liquid. 1,633,383; June 21.
Kulbeck, Niels, Oslo, Norway. Scaffold. 1,633,112; June 21.
La Brie, Ludger E. (See Bendix, V., and La Brie.)
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Operating device. 1,632,794; June 21.
La Croix, Louis E., Baltimore, Md. Vending machine. 1,633,215; June 21.
La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Cooling molds. 1,633,028; June 21.
Laney, Frank T., Akron, Ohio. Storage battery. 1,633,257; June 21.
Laise, Clemens A., Haworth, N. J. Refractory metal alloy of high density and high melting point and making the same. 1,633,258; June 21.
Lake, Clyde A., Detroit, Mich. Liquid-level indicator. 1,633,113; June 21.
Lakeman, William R., Rochester, N. Y. Machine for cleaning electrotype plates. 1,633,216; June 21.
La Marca, Stefano, Brooklyn, N. Y. Adjustable shoe. 1,633,413; June 21.
Lammers, Bert C. (See Nelson, P. D., and Lammers.)
Lampe, Frederick, executor. (See Van Derbeck, S. G., and Bortolin.)
Langenfeld, Adolph L.; New Holstein, Wis. Propulsion link for endless traction belts. 1,633,259; June 21.
Lapp, Claude J., Iowa City, Iowa, assignor to H. G. Dorsey, Washington, D. C. Means and apparatus for recording sound waves. 1,633,335; June 21.
Larson, Winford P., Minneapolis, Minn. Dentifrice. 1,633,336; June 21.
Laurency, Guillaume C., Twickenham, assignor of sixty per cent to G. McLean, London, England. Apparatus for drawing textile fibers. 1,633,029; June 21.
Lauter, Felix, Philadelphia, Pa., assignor to Rohm & Haas Company. Resinous reaction product of urea and formaldehyde. 1,633,337; June 21.
Lavagnino, Joseph I., Angels Camp, Calif. Fruit-picking apparatus. 1,632,977; June 21.
Lawrence, Charles L., New York, N. Y. Tool kit. 1,633,030; June 21.
Laxer, Louis, et al. (See Baron, John, assignor.)
Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press. 1,633,260; June 21.
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Popgun. 1,633,031; June 21.
Lefèvre, Jules, Paris, France. Lens-clamping bracket for use with pince-nez glasses and spectacles. 1,632,906; June 21.
Legendre, Henri, Paris, France. Signal device for motor vehicles. 1,632,978; June 21.
Lengel, Albert L., Bakersfield, Calif. Automatic inking fountain for printing presses. 1,633,338; June 21.
Leopold, George O. (See Fegley, T. J., and Leopold.)
Le Rossignol, Robert. (See Bartlett, A. C., and Le Rossignol.)
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Unloading valve. 1,632,841; June 21.
Lewis, Hannah, New York, N. Y. Smock. 1,633,447; June 21.
Lewis, William G., Chicago, Ill. Fountain-pen holder. Des. 72,903; June 21.
Liening, Henry A., Detroit, Mich. Combined drinking fountain and animal trough. 1,632,842; June 21.
Lincrusta-Walton Company. (See Abolin, Harry T., assignor.)
Little, Harry C., Larkspur, assignor to J. B. Cheda, San Rafael, Calif. Liquid-fuel burner. 1,633,549; June 21.
Littlefield, Edgar E., Los Angeles, Calif. Valve. 1,633,217; June 21.
Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed-braid-making machine. 1,633,261; June 21.
Lockwood & Lockwood. (See Shultz, Charles A., assignor.)
Loftus, Joseph. (See McLaughlin, B. F., and Loftus.)
Logan, James W., Newark, N. J., assignor to J. M. Page, New York, N. Y. Liquid-fuel burner. 1,633,560; June 21.
Loken, Truls, Kenosha, Wis., assignor to Austin Machinery Corporation, Chicago, Ill. Trenching machine. 1,633,115; June 21.
Lolli, Guido, Chicago, Ill. Extensible fender. 1,632,979; June 21.
Lolli, Guido, Chicago, Ill. Extensible vehicle fender. 1,632,980; June 21.
Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,633,116; June 21.
Long, Bernard, Paris, France, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Glass and making the same. 1,633,534; June 21.
Loose, Clyde E., Baltimore, Md. Safety check device. 1,633,114; June 21.
Lorenz, Adolph G., Little Rock, Ark. Combined license-plate and identification-card holder. 1,633,414; June 21.
Lösel, Franz, Brunn, Czechoslovakia. High-pressure steam turbine and utilizing high-pressure steam therein. 1,632,907; June 21.
Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engine. 1,633,384; June 21.
Ludlow, Thomas H., Rochester, N. Y. Conduit bushing adapter. 1,632,843; June 21.
Luipersbek, Frank, Boundbrook, N. J. Moisture feeder for flowerpots. 1,633,184; June 21.
Lundegaard, Anders, M. P., Copenhagen, Denmark. Steam turbine gland with more than one pipe connection. 1,632,981; June 21.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Register-controlling system. 1,632,908; June 21.
L'Union Generale d'Electricite. (See Fallou, Jean G., assignor.)
Lunz, Franz, New York, N. Y., assignor to Aero Toy & Manufacturing Co., Inc., New York, N. Y. Spinning toy. 1,633,486; June 21.
Lurcott, Winfred N., Elizabeth, N. J., assignor to Moore Bros. Co., New York, N. Y. Liquid-soap dispenser. 1,633,448; June 21.
Lusk, Charles S., Alfred Station, N. Y. Combined track level and gauge. 1,633,535; June 21.
Lynn, Robert C. (See Foster, Samuel P., assignor.)
Lyon Metallic Manufacturing Company. (See O'Connor, John B., assignor.)
Mack, William H. (See Knapp, Charles P., assignor.)
Mackay, Lurline E., Burlington, Iowa. Stair cleaner. 1,633,119; June 21.
Madden, James P., Bethlehem, Pa. Entrainment gearing. 1,633,185; June 21.
Maerten, Christian, jr., assignor to Artizan Factories, Inc., North Tonawanda, N. Y. Automatic musical instrument. 1,633,487; June 21.
Maerz, Frederick K., assignor to B. F. Klein, doing business as The Kayline Co., Cleveland, Ohio. Lamp shade. Des. 72,904; June 21.
Maerz, Frederick K., assignor to B. F. Klein, doing business as The Kayline Co., Cleveland, Ohio. Lamp shade. Des. 72,905; June 21.
Malmin, Hyman, New York, N. Y., assignor to Malmin Speed Control Corporation. Mounting for sewing-machine motors. 1,632,795; June 21.
Malmin Speed Control Corporation. (See Bangster, William, assignor.)
Malmin Speed Control Corporation. (See Malmin, Hyman, assignor.)
Malne, James. (See Engle, Andrew, assignor.)
Malse, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Cowl ventilator. 1,632,796; June 21.
Mammen, Lawrence W., Chicago, Ill. Laundry machine. 1,632,797; June 21.
Marksman, Frederick L. (See Ryan, E. A., and Marksman.)
Martin, George C., Los Angeles, Calif. Forming pipe. 1,633,219; June 21.
Martin, William H., et al. (See Hansen, John, assignor.)
Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Riehm, Wilhelm, assignor.)
Maschinenfabrik Moenus Aktien-Gesellschaft. (See Bohacek, Bruno P., assignor.)
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Buffing and cleaning of metal parts. 1,632,909; June 21.
Mather, Alonzo C., Chicago, Ill. Uncoupling link for railroad cars. 1,633,339; June 21.
Mauborgne, Joseph O., and G. Hill, Washington, D. C. Wave meter. 1,632,982; June 21.
Maxmoor Corporation. (See Moore, Arlington, assignor.)
Mayorowitz, Maurice, New York, N. Y. Detachable-heel construction. 1,633,440; June 21.
McCallum Hosiery Co. (See Council, John G., assignor.)
McCord Radiator & Mfg. Co. (See Harris, Joseph D., assignor.)
McDanal, Michael R., Denver, Colo. Method of and apparatus for producing bifocal lenses. 1,633,117; June 21.

McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Automatic die press. 1,633,340; June 21.
McDonald, Frank A., and F. G. Welke, San Francisco, Calif. Closure-cap lock. 1,633,218; June 21.
McDonald, Hugh, Clinton, Iowa. Coal chute. 1,633,341; June 21.
McDonald Machine Co. (See McDonald, Charles D., assignor.)
McElyea, Harley B., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Bank and trunk cable multipling system. 1,633,118; June 21.
McGill Manufacturing Company. (See Despard, Victor R., assignor.)
McGinn, Patrick J., New York, N. Y. Valve. 1,633,488; June 21.
McGinness, Joseph E., Pittsburgh, Pa. Golf-ball marker. 1,633,536; June 21.
McGregor, Alexander G., Warren, Ariz. Reverberatory-furnace waste-heat boiler. 1,632,844; June 21.
McGuirk, Edward J., Newark, N. J., assignor to Greene, Tweed & Co. Ash tray. Des. 72,906; June 21.
McKee, Benjamin F., Arma, Kans. Engine valve. 1,633,450; June 21.
McKinney, Edward H., Salina, Kans. Fluid-power transmission. 1,633,550; June 21.
McKissick, William H., Tulsa, Okla. Safety block. 1,633,489; June 21.
McKissick, William H., Tulsa, Okla. Safety sheave block. 1,633,537; June 21.
McLaughlin, Bernard F., and J. Loftus, Brooklyn, N. Y. Heating roll for printing presses. 1,633,451; June 21.
McLean, Grant. (See Laurency, Guillaume C., assignor.)
McLemore, Henry G., Columbus, Ga. Check attachment for looms. 1,633,452; June 21.
McMyler Insterstate Company, The. (See Wright, James F., assignor.)
McQuarrie, Thomas, et al. (See Hansen, John, assignor.)
Meder, Arthur, Carlstadt, N. J., assignor to Norma-Hoffmann Bearings Corporation, New York, N. Y. Textile spindle. 1,632,798; June 21.
Meehan, George F., Far Rockaway, and A. L. Kennedy, assignors, by mesne assignments, to Kel-Plastic Corporation, New York, N. Y. Vegetable sea-growth derivative and preparation thereof. 1,633,262; June 21.
Meier, Milton, Newark, N. J., assignor to Meyer & Gross. Finger ring. Des. 72,907; June 21.
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for converting acoustic energy into electrical energy. 1,633,186; June 21.
Melzer, Otto. (See Wahl, J., and Melzer.)
Mendel, William, Beverly, assignor to S. A. Neidich, Edgewater Park, N. J. Dyeing filaments and films formed from viscose. 1,633,220; June 21.
Mendel, William, Beverly, assignor to S. A. Neidich, Edgewater Park, N. J. Dyeing filaments and films formed from viscose. 1,633,221; June 21.
Mensing, Karl, assignor to the Firm: Quarzlampen-Gesellschaft m. b. H., Hanau, Germany. Lamp support. 1,633,538; June 21.
Metz, Herman A. (See King, Joseph F., assignor.)
Meyer & Gross. (See Meier, Milton, assignor.)
Meyer, John F. (See Smith, Percy C., assignor.)
Micro Machine Company. (See Baumberger, William J., assignor.)
Middlecoff, Edward T., St. Louis, Mo. Safety-razor-blade holder. 1,632,910; June 21.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Pulley-band-tire construction. 1,633,342; June 21.
Miles, James C. (See Seelbach, Kurt L., assignor.)
Miller Beauty Mirror Company. (See Miller, William E., assignor.)
Miller, Charles E., Detroit, Mich. Sugar gauge. 1,633,343; June 21.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 72,908; June 21.
Miller, John W., El Dorado, Ark. Pulling device for gears and the like. 1,633,453; June 21.
Miller, William E., Mullan, Idaho, assignor to Miller Beauty Mirror Company. Adjustable mirror. 1,633,120; June 21.
Miller, William R., Medford, and I. Gordon, Malden, Mass. Connecting link. 1,633,539; June 21.
Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Electromagnetic power-transmitting means. 1,633,454; June 21.
Milton, George R. (See Turner, C. E., and Milton.)
Miner, Daniel P. (See Priebe, E. B., and Miner.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minton, Ogden, Greenwich, Conn. Vacuum seal and apparatus. 1,633,121; June 21.
Minton, Richard C., East Boldon, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Switching arrangement for electric substations. 1,633,490; June 21.
Moline, Carl H., Waterloo, Iowa. Adjustable marking guide. 1,633,122; June 21.
Monks, Charles H., Ridgewood, N. J. Mouthpiece attachment for telephones. 1,633,491; June 21.
Moore, Arlington, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation. Progressive-impulse internal-combustion engine. 1,633,385; June 21.
Moore Bros. Co. (See Lurcott, Winfred N., assignor.)
Moore, James S., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. Des. 72,909; June 21.
Moore, Robert, Montclair, N. J. Marking tape for tennis courts. 1,632,799; June 21.
Moran, Lawrence, Chicago, Ill. Adjustable droplight-cord holder. 1,633,344; June 21.
Moreland, Lester A., assignor to The de Laski & Thropp Circular Woven Tire Company, Trenton, N. J. Collapsible core and chuck. 1,633,263; June 21.
Morgan, Ralph L., Worcester, assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass. Fluid-pressure operating mechanism for reciprocating members. 1,633,557; June 21.
Morgan, Ralph L., Worcester, assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Grinding machine. 1,633,558; June 21.
Morley, Earl M., Delta, assignor to The Air-Scale Company, Toledo, Ohio. Pneumatic-tire-charging equipment. 1,633,492; June 21.
Morong, Alton E. (See Greene, W. E., and Morong.)
Morris, Alexander, and V. L. Morris, San Francisco, Calif. Set-shift parallel ruler. 1,633,493; June 21.
Morris, Edmund, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Furniture Construction. 1,633,345; June 21.
Morris, George T., Missoula, Mont. Pet-cock and priming-cup cleaner. 1,633,264; June 21.
Morris, Victoria L. (See Morris, Alexander and V. L.)
Morrison, George A., Park Ridge, assignor to Torchweld Equipment Co., Chicago, Ill. Torch. 1,633,265; June 21.
Mossberg, Frank, Providence, R. I., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Carrier for braiding machines. 1,633,346; June 21.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Mowbray, James W., Windsor, Ontario, Canada, assignor, by mesne assignments, to The Automotive Corporation, Fort Wayne, Ind. Line-control tractor. 1,632,911; June 21.
Mullor, Alvaro, Sceaux, France, and L. Carriol, Ghent, Belgium. Weft-feeding device for weaving looms. 1,632,912; June 21.
Murphy, Ralph L., assignor of one-half to I. L. Robinson, Miera, New Mex. Wrench. 1,633,455; June 21.
National Aniline & Chemical Company. (See Nelson, Ralph A., assignor.)
National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
National Grave Vault Co., The. (See Brick, Perry A., assignor.)
Neidich, Samuel A. (See Mendel, William, assignor.)
Neilsen, Emil J., assignor to Phenolic Products Corporation, Rockford, Ill. Toilet-seat-hinge mounting. 1,633,281; June 21.
Nell, Gustave M., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock drill. 1,633,551; June 21.
Nelles, Winand H. (See Krans, Michael, assignor.)
Nelson, John, Chicago, Ill. Power equalizer for power presses. 1,633,266; June 21.
Nelson, John, Chicago, Ill. Cushioning means for power presses. 1,633,267; June 21.
Nelson, Paul D., and B. C. Lammers, Venango, Nebr. Halter. 1,633,268; June 21.
Nelson, Ralph A., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of benzidine and derivatives. 1,633,123; June 21.
Nelson, William E. (See Busha, Leon, assignor.)
Nestor Manufacturing Company. (See Geissenhainer, F. W., and Cumner, assignors.)
Neumann, Ewald, Brunswick, Germany. Cooking utensil with hinged and removable lid. 1,633,494; June 21.
Nicholson, Jacob P., Chicago, Ill. Vehicle washing pit. 1,633,280; June 21.
Nobile, Giuseppe. (See Silvestrin, Giovanni, assignor.)
Noble, Esther M., Boise, Idaho. Auxiliary toilet seat 1,633,222; June 21.
Noe, Roy H., Memphis, Tenn. Exercising apparatus. 1,633,124; June 21.
Norberg, Hugo W., Flint, Mich. Figure toy. 1,633,456; June 21.
Nordling, Fridolf M., Denver, Colo. Baseboard radiator for the rooms of buildings. 1,633,032; June 21.
Norma-Hoffmann Bearings Corporation. (See Meder, Arthur, assignor.)
North Bro's. M'f'g. Co. (See Fegley, T. J., and Leopold, assignors.)
Norton, Allen B., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Hollow metal article and producing the same. 1,633,187; June 21.
Nutt, Arthur, Buffalo, assignor to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y. Propeller mounting. 1,632,913; June 21.
Oakite Products, Inc. (See Clarin, David X., assignor.)
Oberle, Alfred, Oak Park, Ill. Carbonaceous material and making the same. 1,632,845; June 21.
O'Brien, William J., Baltimore, Md. Refining barytes. 1,633,347; June 21.
O'Connor, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Coat hook. 1,633,495; June 21.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,632,914; June 21.

O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,632,915; June 21.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,632,916; June 21.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,632,917; June 21.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,633,033; June 21.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,633,034; June 21.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,633,269; June 21.
Ogden, Clarence E., Cincinnati, Ohio, assignor to The Kodel Radio Corporation. Storage battery. 1,633,224; June 21.
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Olshei, John R., Buffalo, N. Y. Rear view mirror. 1,633,282; June 21.
Oliver, Immanuel A., assignor to The Pomona Manufacturing Company, Pomona, Calif. Pump bearing. 1,633,188; June 21.
Olsen, Einar E. (See Sausen, B. R., and Olsen.)
Olsen, Oswald A., Bridgeport, Conn. Compression pump. 1,633,270; June 21.
Olson, George H., Bridgeport, Conn. Cement-form holder. 1,632,918; June 21.
Osborne, William L., assignor of one-half to A. R. Chandler, Los Angeles, Calif. Apparatus for cleaning crank cases. 1,633,283; June 21.
Overdick, William, Brooklyn, N. Y. Steering gear. 1,633,415; June 21.
Overstrom, George. (See Overstrom, Gustave A. and G.)
Overstrom, Gustave A., Los Angeles, and G. Overstrom, Taft, Calif. Gas and oil separator. 1,632,919; June 21.
Owen, John H., assignor of one-third to T. N. Crocker and one-third to B. V. Chapman, Newberry, S. C. Stop motion for roving machines. 1,633,284; June 21.
Owens Bottle Company, The. (See Bragg, Thomas A., assignor.)
Owens Bottle Company, The. (See La France, Richard, assignor.)
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Page, Jenny M. (See Logan, James W., assignor.)
Page, Larrance, Berkeley, Calif. Shutter-release holder. 1,633,125; June 21.
Palmenberg, Emil T., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Pedestal or the like. Des. 72,910; June 21.
Palmenberg's J. R., Sons, Inc. (See Palmenberg, Emil T., assignor.)
Paragon Can & Cap Company. (See Russell, Robert A., assignor.)
Parsons, Edward B. (See Inskeep, W. D., and Parsons.)
Patten, William F., Washington, D. C. Toilet novelty. 1,632,920; June 21.
Pauly, Charles, Fort Washington, Wis. Vat. 1,633,271; June 21.
Paynter, Albert J., Osborne, Kans. Rotary sieve. 1,633,126; June 21.
Pearce, James W., assignor to Goodman Manufacturing Company, Chicago, Ill. System for mining. 1,632,800; June 21.
Peerless Pneumatic Systems, Inc. (See Bartling, Howard G., assignor.)
Peerless Pneumatic Systems Inc. (See Sausen, B. R., and Olsen, assignors.)
Peers, E. P., et al. (See Carter, S. W. and O. E., assignors.)
Peinlich, Max, White Plains, assignor to Columbia Lighting Fixture Co., Inc., New York, N. Y. Backplate for a lighting fixture or the like. Des. 72,911; June 21.
Peinlich, Max, White Plains, assignor to Columbia Lighting Fixture Co., Inc., New York, N. Y. Arm for a lighting fixture or the like. Des. 72,912; June 21.
Penberthy, Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Front head for percussive drills. 1,632,921; June 21.
Penote, Augustus J., Cleveland, Ohio. Sectional form. 1,632,846; June 21.
Pepe, Vincent, Brooklyn, N. Y. Coin holder. 1,633,127; June 21.
Peraira, Joseph A., and F. Roberts, Yuba City, Calif. Machine for making hook supports. 1,633,416; June 21.
Perfect Window Regulator Corporation. (See Goldsmith, Bertram J., assignor.)
Perfect Window Regulator Corporation. (See Koeb, E., and Goldsmith, assignors.)
Perfection Package Sealer Company. (See Utts, William A., sr., assignor.)
Perry, Dyer W., Keene, N. H. Eyeglass-case holding and protecting device. 1,633,417; June 21.
Perry, Harry H., San Jose, Calif. Scooter. Des. 72,913; June 21.
Petsch, Everett C., Pleasant Dale, Nebr. Stay-put parking brake. 1,633,348; June 21.
Phenolic Products Corporation. (See Nielsen, Emil J., assignor.)
Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Manufacturing Company, Cincinnati, Ohio. Chemical fire extinguisher. Re16,662; June 21.
Phister Manufacturing Company. (See Phister, Albert B., assignor.)
Picard, Georges, assignor to B. J. Coghlin Company Limited, Montreal, Canada. Rail anchor. 1,632,847; June 21.
Pierce, Leon, New York, N. Y. Rolling mill. 1,633,349; June 21.
Plume & Atwood Mfg. Co., The. (See Boomer, George A., assignor.)
Poirier, Ernest, assignor of forty-nine one-hundredths to J. W. Stobie, Waterville, Me. Paper-making machine. 1,633,189; June 21.
Pollack, Daniel. (See Kasdan, N., and Pollack.)
Pomona Manufacturing Company, The. (See Oliver, Immanuel A., assignor.)
Pony Fruit Corporation, The. (See Rosenthal, Sam, assignor.)
Prahl, Frederick A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Sheet-metal container. 1,632,848; June 21.
Preston, George E. (See Colbert, C. C., and Preston.)
Pribil, Alexis R., Saginaw, Mich. Coaster wagon. 1,633,272; June 21.
Priebe, Ernest B., Inwood, N. Y., and D. P. Miner, Providence, R. I.; said Miner assignor of his undivided one-half interest to W. C. Drake, Inwood, N. Y. Furnace grate. 1,633,418; June 21.
Procter, Joseph H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic circuit interrupter. 1,632,983; June 21.
Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. High-potential electrical condenser. 1,633,285; June 21.
Prosperity Company. (See Ledbetter, James C., assignor.)
Pryor, Joseph E., Summit, N. J. Golf-tee anchor. 1,632,801; June 21.
Quarzlampen-Gesellschaft m. b. H. (See Mensing, Karl, assignor.)
Rader, Marion A., Walla Walla, Wash. Glare shield. 1,633,190; June 21.
Raimer, Joseph B. (See Raimer, Philip and J. B., and Rolfs.)
Raimer, Philip and J. B., and E. A. Rolfs, Maple Heights, Ohio. Power take-off device for tractors. 1,633,273; June 21.
Ramsay, Glendora B. (See Jackson, Thomas, assignor.)
Rankin, Karl L. (See Furber, J. B., and Rankin.)
Rasmesen, George, jr., Winnetka, Ill. Wire brush. 1,633,274; June 21.
Rau, Edward F., Brooklyn, N. Y. Collapsible and adjustable crate for furniture. 1,633,354; June 21.
Rawlings, J. L., et al. (See Epperson, Charles B., assignor.)
Ray, Arthur J., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Substation telephone circuits. 1,633,286; June 21.
Ray, Samiel T. (See Braswell, F. E., and Ray.)
Ray, William H., Monroe, Mich. Internal-combustion-engine radiator. 1,632,803; June 21.
Raymond, Lambert L., assignor to Broderick-Son-Raymond Co., Minneapolis, Minn. Lamp socket with leads on side. 1,632,849; June 21.
Raymond, Lambert L., assignor to Broderick-Son-Raymond Co., Minneapolis, Minn. Christmas-tree reflector and lamp. 1,632,850; June 21.
Reagan, George D., Oklahoma City, Okla. Hollow building unit. 1,633,191; June 21.
Reagan, George D., Oklahoma City, Okla. Reenforced hollow fracturable building unit. 1,633,192; June 21.
Reagan, George D., Oklahoma City, Okla. Hollow building unit. 1,633,193; June 21.
Reaves, William P., Greensboro, N. C. Operating headlight. 1,632,851; June 21.
Reck, Peter W., assignor to The Bettendorf Company, Bettendorf, Iowa. Pump loading and unloading mechanism. 1,633,035; June 21.
Rector, Thomas M. (See Hupfel, A. G., jr., and Rector.)
Red Jacket Manufacturing Co. (See Stebbins, Timothy J., assignor.)
Red Star Appliances, Inc. (See Eskholme, John W., assignor.)
Reed, Charles M., Kabletown, W. Va. Artificial-minnow fishhook. 1,633,419; June 21.
Reiter, Daniel L., New York, N. Y. Fastening device. Re16,660; June 21.
Rembrandt Lamp Corporation. (See Rothbart, Max, assignor.)
Remington Arms Company. (See Dickerman, John A., assignor.)
Renault, Louis. (See Salves, Léon, assignor.)
Reuther, Howard J. (See Reuther, John and H. J.)
Reuther, John and H. J., East Aurora, N. Y. Dispensing apparatus. 1,633,287; June 21.
Reynolds, De Elbert A., Yonkers, N. Y. Telephone receiver. 1,633,194; June 21.
Reynolds Spring Company. (See Van Hove, Desire H., assignor.)
Reyrolle, A., & Company Limited. (See Minton, Richard C., assignor.)

Rheinische Metallwaaren- und Maschinenfabrik. (See Kottmann, August, assignor.)
Rhonde, Max, et al. (See Watter, Michael, assignor.)
Rich Tool Company. (See Jardine, Robert, assignor.)
Richard, Robert E. (See Gribble, Elmer T., assignor.)
Richards, Ralph W., Atchison, Kans. Awning for windows. 1,633,275; June 21.
Richardson, Carrie E., Simpsonville, S. C. Toy. 1,633,496; June 21.
Richman, John W., Gilroy, Calif. Power driven brush. 1,633,128; June 21.
Richmond, Louis E., Cleveland, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio. Electric bell. 1,633,288; June 21.
Richter, George A., assignor to Brown Company, Berlin, N. H. Process of and apparatus for treating fiber. 1,632,802; June 21.
Richter, John W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding device. 1,632,852; June 21.
Riehm, Wilhelm, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Double-acting two-stroke internal-combustion engine. 1,632,984; June 21.
Riek, Rudolph A., Rhinelander, Wis. Refrigerator. 1,633,225; June 21.
Roberts, Fredrick. (See Peraira, J. A., and Roberts.)
Robertson, H. H., Company. (See Beach, Edward F., assignor.)
Robinson, Ira L. (See Murphy, Ralph L., assignor.)
Robinson, James K., jr., Altoona, Pa. Multicell battery box mold. 1,633,036; June 21.
Robinson, Joseph, New York, N. Y. Automatic train pipe connecter. 1,633,226; June 21.
Robinson, Joseph, New York, N. Y. Connecter head. 1,633,227; June 21.
Robinson, William W., Kansas City, Mo. Condenser. 1,633,289; June 21.
Rochester Germicide Company Inc. (See Crowell, Clarence P., assignor.)
Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating cores. 1,632,853; June 21.
Rodenmeyer, Elmer C., et al. (See Clay, Frank, assignor.)
Rogers, Almerin E., Placentia, Calif. Nursing nipple. 1,632,854; June 21.
Rogers, Charles P., and Company (Inc.). (See Albertine, Herman, assignor.)
Rogers, Elwood C., Indianapolis, Ind. Photographic enlarger. 1,633,228; June 21.
Rohm & Haas Company. (See Lauter, Felix, assignor.)
Rolfs, Edward A. (See Raimer, Philip and J. B., and Rolfs.)
Rood, Hazel B., Ames, Iowa. Thumb-sucking preventive for babies. 1,633,037; June 21.
Rosenfeld, Hyman L., Bronx, N. Y. Self-adjusted cap. 1,633,457; June 21.
Rosenthal, Sam, assignor to The Pony Fruit Corporation, New York, N. Y. Paper box and making the same. 1,633,229; June 21.
Ross, Charles E., assignor to The Collette Manufacturing Company, Amsterdam, N. Y. Nut-tapping machine. 1,632,855; June 21.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 72,914; June 21.
Royal Typewriter Company. (See Degener, Gustave O., assignor.)
Rubwood, Inc. (See Atwood, Harry N., assignor.)
Rudd, Albert V., East St. Louis, Ill. Railway-tie mechanism. 1,633,130; June 21.
Runnels, Paul P. (See Williamson, F., and Runnels.)
Running, Albert O., Dallas, Wis. Map holder. 1,632,856; June 21.
Russ, George F., Jersey City, N. J., assignor to Russ Inserting Machine Co., Inc., Dover, Del. Envelope-filling machine. 1,633,350; June 21.
Russ Inserting Machine Co. (See Russ, George F., assignor.)
Russell, Robert A., Ridgewood, assignor to Paragon Can & Cap Company, Inc., Paterson, N. J. Receptacle closure. 1,633,276; June 21.
Rutledge, John J., assignor of one-half to J. H. Harrison, Joliet, Ill. Engine-stopping device. 1,633,386; June 21.
Ryan, Edward A., and F. L. Marksman, Milwaukee, Wis. Tire chain. 1,633,277; June 21.
Sacerdote, Secondo, Milan, Italy. Cooking stove with thermoelectric storage. 1,633,290; June 21.
Safety Pressure Mining & Equipment Company. (See Crawford, J. H., Helmholtz, and Ferrell, assignors.)
Sagar, Charles, Seattle, Wash. Towing and hauling device. 1,632,922; June 21.
St. Clair, John C., Butte, Mont. Combined coal stoker and burner. 1,633,465; June 21.
St. James, Robert T., Chicago, Ill. Transformer. 1,633,047; June 21.
Salves, Léon, assignor to L. Renault, Billancourt, France. Valve tappet. 1,633,038; June 21.
Sander, William E. C., Hollis, N. Y. Typographic numbering apparatus. 1,633,278; June 21.
Sanford, Alfred F., Knoxville, Tenn. Mechanism for converting motion. 1,632,923; June 21.
Sausen, Bert R., and E. E. Olsen, assignors to Peerless Pneumatic Systems Inc., Chicago, Ill. Spray gun. 1,633,291; June 21.
Scala, Angelo, Brooklyn, N. Y. Vehicle. 1,633,279; June 21.
Schell, Joseph E., Cleveland Heights, Ohio. Heating element for motor radiators. 1,632,857; June 21.
Schenck, Le Roy C., assignor to Troy Laundry Machinery Co., Ltd., East Moline, Ill. Safety switch for centrifugal machines. 1,633,039; June 21.
Schlayer, Fred. (See Schlayer, Walter, assignor.)
Schlayer, Walter, Jamaica, New York, N. Y., assignor to F. Schlayer, Woodhaven, Long Island, N. Y. Cap for containers. 1,633,420; June 21.
Schlereth, Andrew J., administrator. (See Hanford, Orin A.)
Schlueter, Henry C., Cleveland, Ohio, assignor to W. Elsey, Detroit, Mich. Rotary brush. 1,633,230; June 21.
Schmidt, Henry, Detroit, Mich. Door closer. 1,632,924; June 21.
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Franke, Hermann, assignor.)
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Schmidt, Wilhelm, assignor.)
Schmidt, Wilhelm, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Power plant for warships. 1,632,925; June 21.
Schnepp, Louis W. (See Davis, L. F., and Schnepp.)
Schock, Clarence, Mount Joy, Pa. Gasoline-dispensing system. 1,633,458; June 21.
Schock, Clarence, Mount Joy, Pa. System for dispensing gasoline from underground storage tanks. 1,633,459; June 21.
Schoelerman, Ferdinand H., Keystone, Iowa. Luggage carrier. 1,633,497; June 21.
Schoen, Karl, Wuerzburg, Germany. Knockdown cofferdam. 1,633,131; June 21.
Schoenhoefer, Robert, Brunswick, Germany. Preparing a material for the manufacture of artificial stone and other stone or rock products. 1,633,132; June 21.
Schott, Henry, Longmeadow, Mass. Refrigerator. 1,633,231; June 21.
Schrader's, A., Son, Inc. (See Wahl, J., and Meizer, assignors.)
Schuffenhauer, Arthur E., Chicago, Ill. Radiotube-holding device. 1,633,041; June 21.
Schultze, Willi. (See Kubierschky, K., and Schultze.)
Schurch, Adolph E., Los Angeles, Calif. Football-game apparatus. 1,633,040; June 21.
Schwab, Maurice M. and S. S., Toledo, Ohio. Scrubber for dry-cleaning systems. 1,633,195; June 21.
Schwab, Samuel S. (See Schwab, Maurice M. and S. S.)
Scott, Charles H., Company, The. (See Haberkamp, Jessie M., assignor.)
Scott, Donald, Glasgow, Scotland. Supplying liquid fuel to internal-combustion engines. 1,632,926; June 21.
Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
Scranton Button Company, The. (See Wells, Cyrus B., assignor.)
Seelbach, Kurt L., assignor to J. C. Miles, Cleveland, Ohio. Temperature-controlling appliance. 1,633,498; June 21.
Selden, James M., Pittsburgh, Pa. Poultry-trussing device. 1,633,499; June 21.
Serchi, Enrico, Siena, Italy, assignor to Isidore Braggiotti, Brookline, Mass. Puncture-sealing composition for pneumatic tires. 1,633,500; June 21.
Seymour, Benjamin F., Washington, D. C. Combined resilient transmission and bearing. 1,633,133; June 21.
Shackelford, Edward H., jr., assignor to Hebbard Manufacturing Company, Joplin, Mo. Screen-vibrating mechanism. 1,632,927; June 21.
Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Impact tool. 1,633,501; June 21.
Shaw, Belle H. (See Shaw, James, assignor.)
Shaw, James, San Francisco, assignor to B. H. Shaw, Lodi, Calif. Manufacture of paper-pulp bottles and the like. 1,632,928; June 21.
Sheldon, Waldo, Greenwich, Conn. Well drilling. 1,633,134; June 21.
Sheley, George T., Indianapolis, Ind. Pencil clip and eraser holder combined. 1,633,135; June 21.
Shields, Henry B., Freeport, assignor to International Motor Company, New York, N. Y. Brake. 1,633,136; June 21.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,633,042; June 21.
Shipley, Stanley D., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Reducing the viscosity of nitrocellulose and other cellulose esters. 1,633,292; June 21.
Shippey, Roland H., and H. D. Van Leunen, Wichita, Kans. Headlight. 1,633,387; June 21.
Shoe Form Co., The. (See De Witt, William J., assignor.)
Shoup, James T., assignor to M. R. Shoup, Chicago, Ill. Vehicle. 1,632,804; June 21.
Shoup, Mettie R. (See Shoup, James T., assignor.)
Shultz, Charles A., Monticello, assignor to Lockwood & Lockwood, Indianapolis, Ind. Cereal cleaner and separator. 1,632,929; June 21.
Siarkowski, John, Buffalo, N. Y. Machine for cutting buttonholes. 1,633,196; June 21.
Siedentopf, Henry, assignor to Firm of Carl Zeiss, Jena, Germany. Additional device for binocular microscopes with one objective. 1,632,930; June 21.
Sievers, August D., Somers, Wis. Cultivator blade. 1,633,232; June 21.

Silberman, David, New York, N. Y. Stitchless eye tape. 1,632,803; June 21.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister and planter. 1,633,388; June 21.
Silvestrin, Giovanni, Port Arthur, Ontario, Canada, assignor of one-half to G. Nobile. Wind-power-generating device. 1,633,460; June 21.
Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
Skelton, Earl W. (See Knotwell, Glenn R., assignor.)
Slater, Fred M. (See Bayles, L. C., and Slater.)
Slauson, Harold W., New York, N. Y. Electrical signaling means. 1,633,043; June 21.
Smid, Joseph E., Fowler, Kans. Tractor guide. 1,632,858; June 21.
Smiley, Orvall, Indianapolis, Ind. Medicine cartridge and applicator therefor. 1,633,293; June 21.
Smith, Calvin, Somerville, N. J. Lock for gas-stove valves and other valves. 1,633,233; June 21.
Smith, Henry C., St. Marys, Ohio. Device for supplying soapy water. 1,632,806; June 21.
Smith, Percy C., assignor to J. F. Meyer, Chicago, Ill. Coin chute. 1,633,234; June 21.
Snapp, John P., Limestone, Tenn. Pole clamp. 1,633,129; June 21.
Snyder, Almond H., Lancaster, assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y. Apparatus for ventilating rectifiers, batteries, and the like. 1,633,137; June 21.
Snyder, William J., Newark, N. J. Closure for receptacles. 1,633,197; June 21.
Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)
Societe d'Hygiene Pratique. (See Habault, Sylvain R., assignor.)
Somersalo, George A., New York, N. Y. Preventing retroactive effects in audion amplifier circuits. 1,633,421; June 21.
Sonnenthal, Irving, New York, N. Y. Dust guard for watches. 1,633,351; June 21.
Sopher, Ted L., assignor of one-half to W. Johnson and A. Johnson, Abilene, Kans. Display case. 1,633,461; June 21.
Sortwell, Harold H., assignor to The Star Porcelain Company, Trenton, N. J. Ceramic insulating material. 1,633,462; June 21.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for feeding molten glass. 1,633,044; June 21.
Sparkes, Robert W. B., Bolton, England. Opening, mixing, and blending cotton and other fibrous materials. 1,632,931; June 21.
Sparks, Robert E. L., Pemberton, W. Va. Grass cutter. 1,633,138; June 21.
Sperry, Elmer A., jr., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Telemotor system. 1,633,463; June 21.
Sperry Gyroscope Company, The. (See Mills, Chester B., assignor.)
Sperry Gyroscope Company, The. (See Sperry, Elmer A., jr., assignor.)
Spreyer, George S., Fallon, Nev. Tailboard scraper. 1,633,464; June 21.
Staats-Oels, Rudolph C. G., Brooklyn, N. Y. Safety razor. 1,633,139; June 21.
Staley, Allen C., La Fayette, Ind. Control system for liquid fuel burners. 1,633,502; June 21.
Standard Compositor Aktiengesellschaft. (See Stern, Otto, assignor.)
Standard Steel Car Company. (See Christianson, Andrew, assignor.)
Star Porcelain Company, The. (See Sortwell, Harold H., assignor.)
Starr, Howard D., Long Beach, Calif. Maintaining a reserve supply of fuel in fuel tanks. 1,633,046; June 21.
Stebbins, Albert H., Los Angeles, Calif. Operating means. 1,633,198.
Stebbins, Albert H., Los Angeles, Calif. Concentrator table. 1,633,199; June 21.
Stebbins, Timothy J., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Pump jack. 1,633,045; June 21.
Steelsmith, F. R., trustee. (See Stocking, Bert A., assignor.)
Steinberger, Irwin E., New York, N. Y. Glove. Des. 72,915; June 21.
Stephens, F. W., et al. (See Daniels, Cecil C., assignor.)
Stern, Otto, assignor to the Firm: Standard Compositor Aktiengesellschaft, Berlin, Germany. Matrix-setting and line-casting machine. 1,633,422; June 21.
Stillesen, Job M. A., Niagara Falls, N. Y. Treatment of lime nitrogen. 1,633,200; June 21.
Stobie, John W. (See Poirier, Ernest, assignor.)
Stocking, Bert A., Audubon, assignor to F. R. Steelsmith, trustee, Des Moines, Iowa. Washing machine. 1,633,140; June 21.
Stokes, Oscar E. (See Williamson, Fred H., assignor.)
Stokes, Oscar E. (See Williamson, F., and Runnels, assignors.)
Straehly, Boyden E., Chicago, Ill. Toothbrush. 1,632,859; June 21.
Straub, Frank, Los Angeles, Calif. Thermostat. 1,632,932; June 21.
Strauss, Joseph B., assignor of one-half to C. Weinfeld, Chicago, Ill. Concrete vehicle body. 1,633,141; June 21.
Stubenberg, Arthur F., Maunawai, Hawaii. Spraying machine. 1,633,294; June 21.
Stumpf, Walter, Baltimore, assignor to The Black & Decker Manufacturing Company, Towson, Md. Electric tool. 1,633,389; June 21.
Sutherland, Holton M. (See Sutherland, J. H., H. J., and H. M.)
Sutherland, John H., H. J., and H. M., Swampscott, Mass. Template holder for pattern-grading machines. 1,633,295; June 21.
Sweet, Donald H., Evanston, Ill. Lubricating system. 1,632,807; June 21.
Sweet, Lyman R., Boston, Mass. Heating drum. 1,633,201; June 21.
Symington, T. H., and Son, Inc. (See Symington, T. H., and Drenning, assignors.)
Symington, Thomas H., and P. R. Drenning, assignors, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Truck bolster with absorption mechanism. 1,633,503; June 21.
Sztogryn, John, Jersey City, N. J. Bag holder. 1,632,808; June 21.
Tagliabue, Charles J., Mfg. Co. (See Irwin, Lawrence C., assignor.)
Talbot, Evariste E., Fall River, Mass. Take-up motion for looms. 1,633,142; June 21.
Talbott, Harry G., Baltimore, Md. Wall furniture. 1,633,423; June 21.
Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. Gas-analysis apparatus. 1,633,352; June 21.
Taylor Instrument Companies. (See Tate, Kenneth L., assignor.)
Terkelsen, Andrew. (See Derry, Jasper, assignor.)
Terry, George A., Buffalo, N. Y. Dental handpiece wrist-joint guard. 1,632,860; June 21.
Themak, Edward, New York, N. Y. Liquid applicator. 1,633,424; June 21.
Thietten, Frank, assignor of one-third to C. I. Davis and one-third to W. S. Thietten, Twin Falls, Idaho. Attachment for seed planters. 1,632,861; June 21.
Thietten, William S., et al. (See Thietten, Frank, assignor.)
Thrixton, William D., Belmar, N. J. Portable collapsible crate. 1,633,425; June 21.
Thoen, Lowell H., Stockton, assignor, by mesne assignments, to Western Harvester Co., San Francisco, Calif. Feeder mechanism and housing for combined harvesters. 1,633,235; June 21.
Thomas, R., & Sons Co., The. (See Eckert, Grandon E., assignor.)
Thomson, Ronald F., Chicago, Ill. Bottle-filling device. 1,633,048; June 21.
Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,633,049; June 21.
Thorley, Raymond M., Cleveland, Ohio. Wick for oil stoves. 1,633,353; June 21.
Thornton, Elizabeth, Detroit, Mich. Mixing device for internal-combustion engines. 1,633,050; June 21.
Thornton, Roy A., North Weymouth, Mass. Combined pump and can opener. 1,632,933; June 21.
Tooker, John N., and J. F. Harley, assignors to Arkell & Smiths, Canajoharie, N. Y. Multi-ply bag. 1,633,296; June 21.
Torchweld Equipment Co. (See Morrison, George A., assignor.)
Tower Manufacturing Corporation. (See Fischer, Hermann, assignor.)
Townsend, John R., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Beacon-light casing. Des. 72,916; June 21.
Trautner, Nicholas W., St. Paul, Minn. Grease cup. 1,632,934; June 21.
Traver, George W., Chicago, Ill. Ice-cream-cone server. Des. 72,917; June 21.
Traxl, Walther, Vienna, Austria. Preparing stable colloidal solutions of silver. 1,633,466; June 21.
Trbojevich, Nikola, Detroit, Mich. Generating gears. 1,633,051; June 21.
Troiel, Arthur E., Berkeley, Calif. Baking oven. 1,633,236; June 21.
Troy Laundry Machinery Co. (See Schenck, Le Roy C., assignor.)
Tucker, J. H., et al. (See Epperson, Charles B., assignor.)
Turner, Charles E., and G. R. Milton, Covington, Okla. Oil-well utility gin pole. 1,632,935; June 21.
Turner, Frank A., New York, N. Y. Resilient wheel. 1,632,809; June 21.
Udale, Stanley M., Detroit, Mich. Supercharger for internal-combustion engines. 1,633,148; June 21.
Uhl, Robert L., Chino, Calif. Safety gas device or cock. 1,633,504; June 21.
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Union Switch & Signal Company, The. (See Wyant, Leroy, assignor.)
United States Finishing Company, The. (See Witte, William, assignor.)
Uttz, William A., sr., Fort Worth, Tex., assignor, by mesne assignments, to Perfection Package Sealer Company. Gummed-tape-serving machine. 1,633,144; June 21.
Van Ausdal, James H., and J. T. Blackburn, Vinita, Okla. Governor. 1,633,505; June 21.

Van Derbeck, Stephen G., Hackensack, N. J., and J. Bortolin, assignors of one-third to W. R. Blackwell, deceased, Brooklyn, N. Y.; F. Lampe, executor. Aerial illuminating device. 1,633,540; June 21.
Van Hove, Desire H., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,632,936; June 21.
Van Leunen, Harry D. (See Shippey, R. H., and Van Leunen.)
Venon, Jules H., New York, N. Y. Goblet or similar article. Des. 72,918; June 21.
Vibber, Wheeler H., New London, Conn. Conduit-bushing wrench. 1,633,297; June 21.
Villaret, Gustave E., Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Bracket back for lighting fixtures. Des. 72,919; June 21.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Airplane. 1,632,862; June 21.
Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,632,810; June 21.
Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)
Wagner, Georges E., St.-Etienne, France. Balanced rotary percussion implement. 1,632,937; June 21.
Wahl, John, Rosedale, and O. Melzer, Hollis, assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Gauge. 1,633,145; June 21.
Wallace, R., & Sons Mfg. Co. (See Warren, William S., assignor.)
Walworth, Edwin, Lincoln, Nebr. Road grader. 1,633,426; June 21.
Wannamaker, Seth, Ramsey, N. J. Insulating and indicating covering for containers. 1,633,298; June 21.
Wappat Gear Works. (See Hunter, Samuel, assignor.)
Warner, Arthur, Haverford, assignor to R. H. Beaumont Company, Philadelphia, Pa. Skip-hoist and tram-car equipment. 1,633,299; June 21.
Warren, William S., Meriden, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 72,920; June 21.
Watter, Michael, New York, N. Y., assignor of one-fourth to M. Baskin and one-fourth to M. Rhoade, Washington, D. C. Apparatus for flying. 1,632,811; June 21.
Watts, John S., Los Angeles, Calif. Reducing gear and transmission control. 1,633,052; June 21.
Webb, Robert R. (See Jones, J. M., and Webb.)
Weber, Albert, Providence, R. I. Fastening member for vanity cases. 1,632,863; June 21.
Weber, Albert, Providence, R. I. Vanity case. 1,632,864; June 21.
Weinfeld, Charles. (See Strauss, Joseph B., assignor.)
Welke, Ferdinand G. (See McDonald, F. A., and Welke.)
Wells, Cyrus B., Auburn, N. Y., assignor to The Scranton Button Company, Scranton, Pa. Machine for trimming the edges of molded disks. 1,633,552; June 21.
Western Electric Company. (See Blount, Harry, assignor.)
Western Electric Company. (See Bouvier, George A., assignor.)
Western Electric Company. (See Carter, Herbert F., assignor.)
Western Electric Company. (See Cox, Louis T., assignor.)
Western Electric Company. (See Jammer, Jacob S., assignor.)
Western Electric Company. (See Jespersen, Helgo W., assignor.)
Western Electric Company. (See Johnson, Lewis H., assignor.)
Western Electric Company. (See Hagelthorn, Thomas, assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Mason, Sumner R., assignor.)
Western Electric Company. (See Richter, John W., assignor.)
Western Electric Company. (See Rock, George L., assignor.)
Western Harvester Co. (See Thoen, Lowell H., assignor.)
Westinghouse Gear and Dynamometer Company. (See Baumann, Karl, assignor.)
Westinghouse Electric and Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kautz, Charles W., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Procter, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Townsend, John R., assignor.)
Wetzstein, George A., Mandan, N. Dak. Mitten. 1,633,300; June 21.
Whelan, Augustin J., Jersey City, N. J. Clothesline pulley. 1,633,506; June 21.
White Mop Wringer Company. (See Eiffe, James M., assignor.)
White, Robert L., Lisbon, Tex. Antisubstitute liquid-dispensing pump. 1,633,355; June 21.
Whitehead, William A., Terre Haute, Ind. Window awning. 1,633,467; June 21.
Whiteside, Arthur L., Bayshore, N. Y. Waddle walking toy. 1,633,146; June 21.
Whiteside, Arthur L., Bayshore, N. Y. Walking toy. 1,633,147; June 21.
Whitlow, James G., Cornelius, N. C. Valve-pin extractor. 1,633,237; June 21.
Whitsett, Cameron A., Chicago, Ill. Spotlight. 1,633,148; June 21.
Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Co., Inc., Chicago, Ill. Automatic telephone system. 1,633,149; June 21.
Wieben, Henry, Reinbeck, Iowa. Watering trough. 1,633,150; June 21.
Wiese, Paul, Waterbury, Conn. Armrest. 1,633,427; June 21.
Wilcox, Paul W., Troy, Kans. Water-supply attachment for concrete mixers. 1,632,938; June 21.
Wilhelm, Frank J., Cincinnati, Ohio. Radiator-cap ornament for automobiles. 72,921; June 21.
Williams, Leland W., San Antonio, Tex. Door holder. 1,633,202; June 21.
Williams, Percy Q., Cincinnati, Ohio. Conveying mechanism. 1,633,053; June 21.
Williams, Roy E., Ringtown, Pa. Automobile license-card holder. 1,632,812; June 21.
Williams, S. D. (See Burns, Edward L., assignor.)
Williams, Sylvester J., assignor to C. Allert, Ritzville, Wash. Method and apparatus for treating seed grain. 1,633,301; June 21.
Williams, Walter L., South Richmond, Va. Ironing-board cabinet. 1,632,939; June 21.
Williamson, Fred, Chicago, Ill., and P. P. Runnels, Indianapolis, Ind.; said Runnels assignor to O. E. Stokes, Streator, Ill. Automobile bumper. 1,633,054; June 21.
Williamson, Fred H., Chicago, assignor to O. E. Stokes, Streator, Ill. Automobile bumper. 1,633,055; June 21.
Wilson, Stanton D., St. Louis, Mo. Light shade or similar article. Des. 72,922; June 21.
Winfrey, George B., et al. (See Carter, S. W. and O. E., assignors.)
Winsor, Roy J., Bucyrus, Ohio. Leaning wheel. 1,633,151; June 21.
Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)
Wishart, Harold W., Hollywood, Calif., and W. Wishart, Clinton, Iowa, assignors to Climax Engineering Co. Rotary-compressor refrigerating machine. 1,633,056; June 21.
Wishart, William. (See Wishart, Harold W. and W.)
Witte, William, Providence, R. I., assignor to The United States Finishing Company, New York, N. Y. Finishing fabrics and to the fabric and composition. 1,633,152; June 21.
Wittemeier, Hans, Berlin, Germany. Filter for purifying the air. 1,632,813; June 21.
Wold, Carl O., Minneapolis, Minn. Cutting section for road-scraper blades. 1,633,057; June 21.
Wolf Company, The. (See Fruitema, Henry A., assignor.)
Wolfe, John A., et al. (See Haubert, Leo, assignor.)
Worth, Jean C., Paris, France, assignor to David Crystal, Inc., New York, N. Y. Dress. Des. 72,923; June 21.
Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
Wray, Charles S., Atlantic Highland, N. J. Belt conveyer. 1,633,153; June 21.
Wright, Edward A., Fresno, Calif. Control pedal. 1,632,940; June 21.
Wright-Harding Company. (See Harding, Dana E., assignor.)
Wright, James F., Cleveland, assignor to The McMyler Interstate Company, Bedford, Ohio. Clutch-operating mechanism. 1,632,865; June 21.
Wurlitzer Grand Piano Company. (See Farny, Cyril, assignor.)
Wyant, Leroy, Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,633,302; June 21.
Yamakishi, Tomoji, Bellevue, Wash. Nail magazine. 1,633,154; June 21.
Yeager, John E., Poyntelle, Ky. Gearing for rear axles of autos. 1,633,203; June 21.
Yendruch, John, Waterloo, Ontario, Canada. Burglar alarm. 1,633,468; June 21.
Young, Charles, et al. (See Baron, John, assignor.)
Zabel, Charles, Coraopolis, Pa., assignor, by mesne assignments, to T. Zabel, Feura Bush, N. Y. Toy pile driver. 1,633,155; June 21.
Zabel, Tosca. (See Zabel, Charles, assignor.)
Zeiss, Firm of Carl. (See Siedentopf, Henry, assignor.)
Zerk, Oscar U., Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,632,985; June 21.
Zerk, Oscar U., Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,632,986; June 21.
Zerk, Oscar U., Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,632,987; June 21.
Zgliczynski, Stefan, Baltimore, Md. Automatic wind motor. 1,633,428; June 21.
Zinn, Manvel K., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Filter for periodic electric currents. 1,632,814; June 21.
Zublin, John A., Los Angeles, Calif. Pump plunger. 1,633,058; June 21.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acoustic energy into electrical energy, Arrangement for converting. A. Melsaner. 1,633,186; June 21.
Advertising device. J. C. Johanknegt. 1,632,973; June 21.
Advertising device, Automaton. S. W. and O. E. Carter. 1,633,313; June 21.
Aerial illuminating device. S. G. Van Derbeck and J. Bartolin. 1,633,540; June 21.
Aeroplanes, Auxiliary lifting arrangement for. J. W. Dundas. 1,633,006; June 21.
Air, Filter for purifying the. H. Wittemeier. 1,632,813; June 21.
Air from steam-condensing systems, Apparatus for removing. A. E. Broughton. 1,633,472; June 21.
Airplane. J. G. Vincent. 1,632,862; June 21.
Alarm: *See*—
  Audible alarm. Door alarm.
  Burglar alarm.
Alkali-metal cyanide solutions containing sulphides, Purifying. K. Herrdegen. 1,633,485; June 21.
Amusement device. J. N. Bartlett. 1,633,204; June 21.
Amusement device. C. L. A. Diamond. 1,633,397; June 21.
Anchoring means between cushioning springs and a surrounding frame. D. Hanauer. 1,633,544; June 21.
Antproof shelf bracket. H. E. De Pew. 1,633,438; June 21.
Applicator, Liquid. E. Themak. 1,633,424; June 21.
Apron. A. M. H. Bliss. 1,632,873; June 21.
Arch support. C. G. Bergmann. 1,633,513; June 21.
Area ways, Closure for. C. K. Ernst. 1,632,827; June 21.
Armrest. P. Wiese. 1,633,427; June 21.
Ash tray. E. J. McGuirk. Des. 72,906; June 21.
Atomizer. R. T. Brewster. Des. 72,887–8; June 21.
Audible alarm. C. Denser. 1,633,374; June 21.
Audion amplifier circuits, Preventing retroactive effects in. G. A. Somersalo. 1,633,421; June 21.
Autographic register. P. A. Jackson. 1,633,103; June 21.
Automatic switch. W. Edwards. 1,633,521; June 21.
Automobile heater. L. C. Karcher and L. Asman. 1,632,974; June 21.
Automobile trucks or tractors, Power-delivering attachment for. L. Haubert. 1,633,208; June 21.
Automobiles, Cooling system for. H. S. Burgess 1,632,994; June 21.
Awning for windows. R. W. Richards. 1,633,275; June 21.
Awning, Window. W. A. Whitehead. 1,633,467; June 21.
Ax sheath. E. O. Estwing. 1,633,319; June 21.
Bag: *See*—
  Multiply bag.
Bag holder. J. Sztogryn. 1,632,808; June 21.
Ball: *See*—
  Whistling ball.
Bar: *See*—
  Spiral bar.
Bathtub seat. W. H. Bozarth. 1,633,310; June 21.
Batteries, Antisplash device for storage. A. Halikman. 1,633,407; June 21.
Battery: *See*—
  Storage battery.
Battery-box mold, Multicell. J. K. Robinson, jr. 1,633,036; June 21.
Battery-terminal connecter. E. F. Goeller. 1,633,176; June 21.
Barytes, Refining. W. J. O'Brien. 1,633,347; June 21.
Beacon-light casing. J. R. Townsend. Des. 72,916; June 21.
Bearing, Pump. I. A. Oliver. 1,633,188; June 21.
Bell, Electric. L. E. Richmond. 1,633,288; June 21.
Belt conveyer. C. S. Wray. 1,633,153; June 21.
Belts, Propulsion link for endless traction. A. L. Langenfeld. 1,633,259; June 21.
Bender, Bus-bar. F. W. Gelasenhainer and M. S. Cumner. 1,633,248; June 21.
Benzidine and derivatives, Production of. R. A. Nelson. 1,633,123; June 21.
Billboard, Advertising. H. R. Gottlob. Des. 72,895; June 21.
Billiard-cue, rod, and like article rack hanger and locker. A. Demers. 1,633,004; June 21.
Binder, Temporary. F. H. Crump. 1,633,070; June 21.
Binder, Tray. J. M. Jones and R. R. Webb. 1,633,023; June 21.
Blade attachment, Cutting. J. G. Darling. 1,632,823; June 21.
Blade, Cultivator. A. D. Sievers. 1,633,232; June 21.

Block: *See*—
  Safety block. Safety sheave block.
Board: *See*—
  Ironing board.
Boiler and evaporator, Steam. W. Donald. 1,633,398; June 21.
Boilers, Closure means for manhole openings in steam. H. Franke. 1,632,957; June 21.
Bolt: *See*—
  Spring surface bolt.
Bottle. F. R. Miller. Des. 72,908; June 21.
Bottle cover. J. W. Dawson and J. L. Herold. 1,633,073; June 21.
Bottle-filling device. R. F. Thomson. 1,633,048; June 21.
Bottle holder. J. E. Fite, jr. 1,633,083; June 21.
Bottle or similar container. R. T. Brewster. Des. 72,889; June 21.
Bottles and the like, Manufacture of paper pulp. J. Shaw. 1,632,928; June 21.
Bowl or similar article. R. R. Kintz. Des. 72,900; June 21.
Bowls or similar articles, Base for metal. E. T. Beck. Des. 72,883; June 21.
Box: *See*—
  Jack box. Roller box.
  Miter box.
Boxes and other hollow metal articles, Machine for casting. J. A. Fullilove. 1,633,088; June 21.
Bracket: *See*—
  Antproof shelf bracket. Shade-roller bracket.
  Motor bracket.
Braid-making machine, Reed. M. B. Lloyd. 1,633,261; June 21.
Braiding machine, Carrier for. F. Mossberg. 1,633,346; June 21.
Brake: *See*—
  Push-sled brake. Vehicle brake.
  Stay-put parking brake.
Brake. H. B. Shields. 1,633,136; June 21.
Brake-applying mechanism, Throttle-control apparatus for. C. S. Bragg and V. W. Kliesrath. 1,633,360; June 21.
Brake mechanism. G. Haag. 1,632,961; June 21.
Brake shoe. V. Bendix and L. E. La Brie. 1,632,782; June 21.
Brassière, Nursing. J. M. Haberkamp. 1,632,894; June 21.
Breast drill. T. J. Fegley and G. O. Leopold. 1,633,400; June 21.
Brush, Power-driven. J. W. Richman. 1,633,128; June 21.
Brush, Rotary. H. C. Schlueter. 1,633,230; June 21.
Brush, Wire. G. Rasmesen, jr. 1,633,274; June 21.
Buckets and the like, Carrier for. L. Jacobs. 1,633,022; June 21.
Building construction. A. B. Kleinhans. 1,633,446; June 21.
Building unit, Hollow. G. D. Reagan. 1,633,191; June 21.
Building unit, Hollow. G. D. Reagan. 1,633,193; June 21.
Building unit, Reenforced hollow fracturable. G. D. Reagan. 1,633,192; June 21.
Bullet, Mushrooming. J. A. Dickerman. 1,633,168; June 21.
Bumper, Automobile. F. H. Williamson. 1,633,055; June 21.
Bumper, Automobile. F. Williamson and P. P. Runnels. 1,633,054; June 21.
Bunch rake. H. P. Hendrickson. 1,633,017; June 21.
Buoy. O. Guidotti. 1,633,484; June 21.
Burglar alarm. J. Yendruch. 1,633,468; June 21.
Burglar alarm, Cord-actuated. N. Bryant. 1,633,361; June 21.
Burner: *See*—
  Hydrocarbon burner. Liquid-fuel burner.
Burners, Control system for liquid-fuel. A. C. Staley. 1,633,502; June 21.
Buttonholes, Machine for cutting. J. Siarkowski. 1,633,196; June 21.
Cabinet, Ironing-board. W. L. Williams. 1,632,939; June 21.
Cable multiplying system, Bank and trunk. H. B. McElyea. 1,633,118; June 21.
Calculating and adding machines, Key mechanism for. A. Kottmann. 1,633,256; June 21.
Calenders, Attachment for. N. R. Goodwin. 1,633,249; June 21.
Came machine. W. Henderson. 1,632,798; June 21.

Camera, Photographic. N. B. Cregier. 1,633,373; June 21.
Cameras, Panoraming device for photographic. A. S. Howell. 1,633,101; June 21.
Can-capping machine. H. L. Guenther. 1,633,250; June 21.
Canals, production of. V. Brünig. 1,632,946; June 21.
Cap, Self-adjusted. H. L. Rosenfeld. 1,633,457; June 21.
Car construction, Railway. A. Christianson. 1,633,162; June 21.
Cars, Spring suspension for railway. H. W. Frost. 1,633,011; June 21.
Cars, Uncoupling link for railway. A. C. Mather. 1,633,339; June 21.
Carbon black, Producing. L. J. Dales. 1,633,071; June 21.
Carbonaceous material and making the same. A. Oberle. 1,632,845; June 21.
Carburetor. C. B. Allen. 1,633,429; June 21.
Carrier: *See*—
  Luggage carrier.
Cartons, Mechanism for lining. H. L. Evans and G. I. Hohl. 1,633,247; June 21.
Cartridge, Blasting. J. H. Crawford, A. W. Helmholtz, and D. Ferrell. 1,632,887; June 21.
Case: *See*—
  Display case. Vanity case.
Case and razor holder, Combined. J. Kaufman. 1,632,840; June 21.
Cases, Article-containing. N. Kasdan and D. Pollack. 1,633,255; June 21.
Cash register. B. M. Shipley. 1,633,042; June 21.
Cement-form holder. G. H. Olson. 1,632,918; June 21.
Centrifugal machines, Safety switch for. L. C. Schenck. 1,633,039; June 21.
Ceramic insulating material. H. H. Sortwell. 1,633,462; June 21.
Cereal cleaner and separator. C. A. Shultz. 1,632,929; June 21.
Chain link. W. J. Bryan. 1,633,434; June 21.
Channel signaling, Plural. R. A. Heising. 1,633,100; June 21.
Check device, Safety. C. E. Loose. 1,633,114; June 21.
Chemical composition. J. F. King. 1,633,213; June 21.
Christmas-tree reflector and lamp. L. L. Raymond. 1,632,850; June 21.
Chute, Coal. H. McDonald. 1,633,341; June 21.
Chute, Coin. P. C. Smith. 1,633,234; June 21.
Cigar holder, Safety. A. Bagamery. 1,633,431; June 21.
Cigarette-making machines, Delivery-control device for. W. F. Grupe. 1,633,377; June 21.
Circuit interrupter, Automatic. J. H. Procter. 1,632,983; June 21.
Circuit-restoring relay. C. W. Kautz, jr. Re16,661; June 21.
Circuits for multiplex systems, Repeater. J. S. Jammer. 1,632,900; June 21.
Clamp: *See*—
  Curtain-stretcher clamp. Rod clamp.
  Pole clamp.
Classifier. H. S. Coe. 1,633,371; June 21.
Cleaner: *See*—
  Clothesline cleaner. Suction cleaner.
  Stair cleaner. Vacuum cleaner.
Cleaner. T. Hagelthorn. 1,632,895; June 21.
Clevis. K. Breccinski. 1,632,877; June 21.
Closure-cap lock. F. A. McDonald and F. G. Welke 1,633,218; June 21.
Closure lock. J. Baron. 1,633,508; June 21.
Clothesline cleaner. H. Koester. 1,633,382; June 21.
Clutch, Automatic releasing. W. D. Inskeep and E. B. Parsons. 1,632,839; June 21.
Clutch-operating mechanism. J. F. Wright. 1,632,865; June 21.
Coal and the like, Drying. H. Fleissner. 1,632,829; June 21.
Coal stoker and burner, Combined. J. C. St. Clair. 1,633,465; June 21.
Coat hook. J. B. O'Connor. 1,633,495; June 21.
Cofferdam, Knockdown. K. Schoen. 1,633,131; June 21.
Coil-forming device. L. A. Cole. 1,633,068; June 21.
Coin-controlled apparatus. G. F. Higgins. 1,632,838; June 21.
Coin-controlled lock. F. W. Kassler. 1,633,411; June 21.
Coin holder. V. Pepe. 1,633,127; June 21.
Coloscope. E. J. Frangedakis. 1,633,443; June 21.
Concentrator table. A. H. Stebbins. 1,633,199; June 21.
Concrete mixers, Water-supply attachment for. P. W. Wilcox. 1,632,938; June 21.
Condenser. W. W. Robinson. 1,633,289; June 21.
Condenser, Electrical. W. H. Huth. 1,633,019; June 21.
Condenser, High-potential electrical. J. A. Proctor. 1,633,285; June 21.
Condenser, Multiple variable. W. M. Brower. 1,633,516; June 21.
Conduit-bushing adapter. T. H. Ludlow. 1,632,843; June 21.
Conduit-bushing wrench. W. H. Vibber. 1,633,297; June 21.
Connecter head. J. Robinson. 1,633,227; June 21.
Connecting link. W. R. Miller and I. Gordon. 1,633,539; June 21.
Container and sealing means therefor. F. R. Burgess. 1,633,555–6; June 21.

Container for powdered substances. A. H. Karwath. 1,633,105; June 21.
Containers, Cap for. W. Schlayer. 1,633,420; June 21.
Converting motion, Mechanism for. A. F. Sanford. 1,632,923; June 21.
Conveying mechanism. P. Q. Williams. 1,633,053; June 21.
Cooking pulp, Apparatus for. C. H. Allen. 1,632,779; June 21.
Cooking utensil with hinged and removable lid. E. Neumann. 1,633,494; June 21.
Cooler: *See*—
  Flash water cooler.
Cord holder, Adjustable droplight-. L. Moran. 1,633,344; June 21.
Core and chuck, Collapsible. L. A. Moreland. 1,633,263; June 21.
Cotton and other fibrous materials, Opening, mixing, and blending. R. W. B. Sparkes. 1,632,931; June 21.
Coupling: *See*—
  Flexible coupling. Radio condenser coupling.
Covering for containers, Insulating and indicating. S. Wanamaker. 1,633,298; June 21.
Cowl ventilator. H. C. Maise. 1,632,796; June 21.
Crank cases, Apparatus for cleaning. W. L. Osborne. 1,633,283; June 21.
Crate for furniture, Collapsible and adjustable. E. F. Rau. 1,633,354; June 21.
Crate, Portable collapsible. W. D. Thixton. 1,633,425; June 21.
Creeling frames, Automatic signal indicator for. A. J. Dion. 1,633,439; June 21.
Crystal detector. H. C. Adam. 1,633,059; June 21.
Cultivator blade. A. L. Frieburg. 1,632,958; June 21.
Cultivators, Attachment for. P. A. Caldwell. 1,633,394; June 21.
Cultivators, Mulcher attachment for. W. T. Atchley. 1,633,469; June 21.
Cup: *See*—
  Grease cup. Paper cup.
Cup or similar article. R. R. Kintz. Des. 72,901; June 21.
Curling iron. M. F. Fitzgerald. 1,633,171; June 21.
Current retarder. L. Jorgensen. 1,633,530; June 21.
Curtain fixture. M. Krattli. 1,633,026; June 21.
Curtain-stretcher clamp. C. G. Carlson. 1,632,995; June 21.
Cut-off, Automatic. M. F. Hipps. 1,632,968; June 21.
Cutter: *See*—
  Grass cutter.
Dental handpiece wrist-joint guard. G. A. Terry. 1,632,860; June 21.
Dentifrice. W. P. Larson. 1,633,336; June 21.
Detector: *See*—
  Crystal detector.
Device for regulating the advance of a band with reference to a cinematographic apparatus controlling said band. C. E. E. Delacommune. 1,633,478; June 21.
Die press, Automatic. C. D. McDonald. 1,633,340; June 21.
Differential. F. E. Crawford. 1,632,787; June 21.
Direction indicator. W. C. P. Baldwin. 1,633,303; June 21.
Dirigible balloon. F. H. Bassett. 1,633,238; June 21.
Dish or similar article. R. R. Kintz. Des. 72,898; June 21.
Dishes or similar articles, Border panel for metal. E. T. Beck. Des. 72,884; June 21.
Dishes or similar articles, Side panel for metal. E. T. Beck. Des. 72,881–2; June 21.
Dishwashing machine. D. X. Clarin. 1,633,396; June 21.
Disk and method and apparatus for making the same, Spray. A. P. Keller. 1,633,531; June 21.
Disks, Machine for trimming the edges of molded. C. B. Wells. 1,633,552; June 21.
Dispensing apparatus. J. and H. J. Reuther. 1,633,287; June 21.
Dispensing machine. S. Hanson. 1,633,207; June 21.
Display case. T. L. Sopher. 1,633,461; June 21.
Display stand. L. Cofar. 1,632,820; June 21.
Door alarm. M. Glaus. 1,632,893; June 21.
Door closer. H. Schmidt. 1,632,924; June 21.
Door handle. B. J. Goldsmith. 1,633,177; June 21.
Door holder. L. W. Williams. 1,633,202; June 21.
Door, Irrigation. S. A. Carlsson. 1,633,395; June 21.
Drafting implement. S. P. Crouse. 1,633,163; June 21.
Drawings, Apparatus for producing animated. E. Hurd. 1,633,547; June 21.
Dress. J. C. Worth. Des. 72,923; June 21.
Driers, heaters, or the like, Seal for. R. R. Jones. 1,633,548; June 21.
Drill: *See*—
  Breast drill. Rock drill.
Drills, Front head for percussive. E. Penberthy. 1,632,921; June 21.
Drills, Rotation mechanism for rock. C. C. Hansen. 1,633,526; June 21.
Drink mixer. C. M. Ball, jr. 1,633,470; June 21.
Dry-cleaning systems, Scrubber for. M. M. and S. S. Schwab. 1,633,195; June 21.
Duster. F. F. Dorsey. 1,633,076; June 21.
Electric-accumulator casing. W. Haddon. 1,633,094; June 21.
Electric currents, Filter for periodic. M. K. Zinn. 1,632,814; June 21.

Electric-motor-control system. A. H. Jackson. 1,633,102; June 21.
Electric substations, Switching arrangement for. R. C. Minton. 1,633,490; June 21.
Electric switch. R. G. Ely. 1,632,956; June 21.
Electric-wave-modulating system. R. V. L. Hartley. 1,633,016; June 21.
Electrical contacts, Insulated mounted for. V. R. Despard. 1,633,005; June 21.
Electrical sound transmitting and receiving apparatus. H. Fischer. 1,633,170; June 21.
Electromagnetic power-transmitting means. C. B. Mills. 1,633,454; June 21.
Electrotype plates, Machine for cleaning. W. R. Lakeman. 1,633,216; June 21.
Engine: *See*—
Internal-combustion engine.
Engine and operating the same, Internal-combustion. E. T. Adams. 1,632,988; June 21.
Engine-stopping device. J. J. Rutledge. 1,633,386; June 21.
Engines combined with a fuel injector, Cylinder head of internal-combustion. V. Archaouloff. 1,633,158; June 21.
Engines, Exhaust device for. H. T. Herr. 1,632,896; June 21.
Engines, Inlet manifold for internal-combustion. E. R. Burtnett. 1,632,880; June 21.
Engines, Lubricating means for internal-combustion. J. H. Heywood. 1,633,378; June 21.
Engines, Mixing device for internal-combustion. E. Thornton. 1,633,050; June 21.
Engines, Pneumatic stripper attachment for carding. E. Clark. 1,633,542; June 21.
Engines, Supercharger for internal-combustion. S. M. Udale. 1,633,143; June 21.
Engines, Supplying liquid fuel to internal-combustion. D. Scott. 1,632,926; June 21.
Envelope. W. H. Hollar, jr. 1,633,369; June 21.
Envelope-filling machine. G. F. Russ. 1,633,350; June 21.
Exercising apparatus. R. H. Noe. 1,633,124; June 21.
Extensible fender. G. Lolli. 1,632,979; June 21.
Extractor: *See*—
Valve-pin extractor.
Eyeglass-case holding and protecting device. D. W. Perry. 1,633,417; June 21.
Eye tape, Stitchless. D. Silberman. 1,632,805; June 21.
Fabric and making same, Finished. J. Bennett. 1,633,160; June 21.
Fabrics and to the fabric and composition, Finishing. W. Witte. 1,633,152; June 21.
Fan support. S. K. Bilbo. 1,633,514; June 21.
Fastening device. D. I. Reiter. Re16,660; June 21.
Feeding device. J. W. Richter. 1,632,852; June 21.
Fender: *See*—
Extensible fender. Vehicle fender.
Fiber, Process of and apparatus for treating. G. A. Richter. 1,632,802; June 21.
Filaments and films formed from viscose, Dyeing. W. Mendel. 1,633,220; June 21.
Filter. O. E. Giese. 1,632,960; June 21.
Finger ring. M. Meier. Des. 72,907; June 21.
Finger ring or article of similar nature. B. Gross. Des. 72,896; June 21.
Firearm. K. J. and J. E. Glans. 1,632,892; June 21.
Fire extinguisher. E. L. Burns. 1,633,312; June 21.
Fire extinguisher. C. O. Johnston. 1,633,254; June 21.
Fire extinguisher, Chemical. A. B. Phister. Re16,662; June 21.
Fire-extinguishing liquid. K. Kubierschky and W. Schultze. 1,633,383; June 21.
Fireproofed product and the projection thereof. C. E. Burke. 1,633,067; June 21.
Fishhook, Artificial minnow. C. M. Reed. 1,633,419; June 21.
Flash water cooler. L. G. Copeman. 1,633,372; June 21.
Flexible coupling. G. F. Eckart. 1,633,243; June 21.
Flexible strips, Method and machine for covering. R. R. Ambler. 1,632,816; June 21.
Float gauge. G. P. Gregory. 1,633,322; June 21.
Flow-controlling apparatus. C. H. Allen. 1,632,780; June 21.
Flowerpots, Moisture feeder for. F. Lulpersbek. 1,633,184; June 21.
Fluid-pressure operating mechanism for reciprocating members. R. L. Morgan. 1,633,557; June 21.
Fluxing and cleaning apparatus. J. D. Harris. 1,633,015; June 21.
Flying, Apparatus for. M. Watter. 1,632,811; June 21.
Football-game apparatus. A. E. Schurch. 1,633,040; June 21.
Footwear, Preparing. W. J. De Witt. 1,633,075; June 21.
Form, Sectional. A. J. Penote. 1,632,846; June 21.
Fountain and animal trough, Combined drinking. H. A. Liening. 1,632,842; June 21.
Fruit grader. F. W. Cutler. 1,633,002; June 21.
Fruit-picking apparatus. J. I. Lavagnino. 1,632,977; June 21.
Fuel tank. S. J. Bens. 1,633,062; June 21.
Fuel tanks, Maintaining a reserve supply of fuel in. H. D. Starr. 1,633,046; June 21.
Fuel vaporizer. A. J. Coppock. 1,632,951; June 21.
Furnace and thermostatic control therefor, Oil-burning. J. L. Breese, jr. 1,633,066; June 21.
Furnaces, Air-moistening apparatus for hot-air. D. Handelan. 1,632,836; June 21.
Furniture, Combination. J. W. Fryer. 1,632,790; June 21.
Furniture construction. E. Morris. 1,633,345; June 21.
Furniture, Wall. H. G. Talbott. 1,633,423; June 21.
Game. H. S. Abell. 1,632,941; June 21.
Game apparatus. W. W. Gall and F. B. Connelly. 1,633,445; June 21.
Game apparatus. G. A. Helmer. 1,632,792; June 21.
Game apparatus. I. Herbison. 1,633,210; June 21.
Garden implement. F. W. Drish. 1,633,318; June 21.
Gas-analysis apparatus. K. L. Tate. 1,633,352; June 21.
Gas and oil separator. G. A. and G. Overstrom. 1,632,919; June 21.
Gas device or cock, Safety. R. L. Uhl. 1,633,504; June 21.
Gasoline-dispensing system. O. T. Graham. 1,633,483; June 21.
Gasoline-dispensing system. C. Schock. 1,633,458; June 21.
Gasoline from undergrounnd storage tanks, System for dispensing. C. Schock. 1,633,459; June 21.
Gate: *See*—
Railway-crossing gate.
Gauge: *See*—
Float gauge. Sugar gauge.
Gauge. J. Wahl and O. Melzer. 1,633,145; June 21.
Gear and making the same, Ring. F. J. Black. 1,632,818; June 21.
Gear and transmission control, Reducing. J. S. Watts. 1,633,052; June 21.
Gear, Landing. J. Fritsch. 1,633,174; June 21.
Gear-shifting device, Pneumatic. C. W. Burton, jr. 1,632,947; June 21.
Gearing, Entrainment. J. P. Madden. 1,633,185; June 21.
Gearing for rear axle of autos. J. E. Yeager. 1,633,203; June 21.
Gearing, Reduction. K. Baumann. 1,632,989; June 21.
Gears and the like, Pulling device for. J. W. Miller. 1,633,453; June 21.
Gears, Generating. N. Trbojevich. 1,633,051; June 21.
Glare shield. M. A. Rader. 1,633,190; June 21.
Glass and making the same. B. Long. 1,633,534; June 21.
Glass-forming apparatus. O. A. Hanford. 1,632,963; June 21.
Glasses and spectacles, Lens-clamping bracket for use with pince-nez. J. Lefèvre. 1,632,906; June 21.
Glazing machine. D. E. Harding. 1,633,546; June 21.
Glove. I. E. Steinberger. Des. 72,915; June 21.
Goblet or similar article. J. H. Venon. Des. 72,918; June 21.
Golf-ball marker. J. E. McGinness. 1,633,536; June 21.
Golf instructor and exerciser, Mechanical. J. Hansen. 1,633,527; June 21.
Golf-tee anchor. J. E. Pryor. 1,632,801; June 21.
Governing device. T. Jackson. 1,633,180; June 21.
Governor. J. H. Van Ausdal and J. T. Blackburn. 1,633,505; June 21.
Grab. D. J. Barnard. 1,633,305; June 21.
Grass cutter. R. E. L. Sparks. 1,633,138; June 21.
Grate, Furnace. E. B. Priebe and D. P. Miner. 1,633,418; June 21.
Grease cup. N. W. Trautner. 1,632,934; June 21.
Grease cup, Automatic. C. H. Berry. 1,632,872; June 21.
Grinding machine. W. J. Baumberger. 1,633,060; June 21.
Grinding machine. R. L. Morgan. 1,633,558; June 21.
Grinding wheels, Eye and face shield for. T. J. Kelleher. 1,633,412; June 21.
Hair-cutting machine. L. Bernarducci. 1,633,063; June 21.
Hair net. A. Knoll. 1,633,182; June 21.
Hair wrapper. N. M. Adams. 1,633,507; June 21.
Halter. P. D. Nelson and B. C. Lammers. 1,633,268; June 21.
Hams, Apparatus for reshaping. J. H. Appleton. 1,633,157; June 21.
Handle: *See*—
Door handle.
Harvesters, Feeder mechanism and housing for combined. L. H. Thoen. 1,633,235; June 21.
Hat cover. E. F. Chambless. 1,632,786; June 21.
Hat, Straw. F. S. Bates. 1,633,358; June 21.
Headlight. R. H. Shippey and H. D. Van Lennen. 1,633,387; June 21.
Headlight-deflecting attachment. R. L. Anderson. 1,633,509; June 21.
Headlight, Dirigible. S. P. Foster. 1,633,442; June 21.
Headlight-door remover and replacer. J. W. Heller. 1,633,528; June 21.
Headlight for automobiles, Dirigible. A. H. Johnson. 1,633,332; June 21.
Headlight, Operating. W. P. Reaves. 1,632,851; June 21.
Heat-conducting apparatus. R. S. Blair. 1,632,784; June 21.
Heater: *See*—
Automobile heater. Water heater.
Heating device. J. L. Breese, jr. 1,633,065; June 21.
Heating drum. L. R. Swett. 1,633,201; June 21.

Heating furnace, Cast-iron steam-. W. A. Hagstrum. 1,633,406; June 21.
Heating pack, Sanitary. P. R. Gult. 1,633,482; June 21.
Heel construction, Detachable-. M. Mayorowitz. 1,633,449; June 21.
Heel, Detachable cushion. L. F. Hartung. 1,633,324; June 21.
Hinge. M. J. Economides. 1,633,480; June 21.
Hinge, Door. A. Boucher. 1,633,432; June 21.
Hinge mounting, Toilet-seat-. E. J. Nielsen. 1,633,281; June 21.
Hoist. O. E. Clark. 1,633,543; June 21.
Hook: *See*—
Coat-hook.
Hopple, Cow. F. M. Ingram. 1,633,020; June 21.
Hydrocarbon burner. H. J. Gieseke. 1,633,175; June 21.
Hydrocarbon liquids, Producing light. E. C. Herthel. 1,632,967; June 21.
Hydrocarbons, Dispensing apparatus for liquid. J. H. Allen. 1,632,815; June 21.
Ice-cream-cone server. G. W. Traver. Des. 72,917; June 21.
Indicator: *See*—
Direction indicator. Liquid-level indicator.
Insulating cores. G. L. Rock. 1,632,853; June 21.
Insulator fitting. G. E. Eckert. 1,633,399; June 21.
Intelligence, Distribution of. H. A. Affel. 1,632,777; June 21.
Intelligence, Distribution of. L. Expenschied. 1,633,082; June 21.
Internal-combustion engine. L. K. Braren. 1,633,541; June 21.
Internal-combustion engine. E. R. Burtnett. 1,632,879; June 21.
Internal-combustion engine. E. R. Burtnett. 1,632,881; June 21.
Internal-combustion engine. T. W. Hainline. 1,633,323; June 21.
Internal-combustion engine. N. L. Heinz. 1,633,251; June 21.
Internal-combustion engine. C. E. Lucke. 1,633,384; June 21.
Internal-combustion engine, Double-acting two-stroke. W. Riehm. 1,632,984; June 21.
Internal-combustion engine, Progressive-impulse. A. Moore. 1,633,385; June 21.
Iron: *See*—
Curling iron.
Ironing board. F. D. Gorman. 1,633,403; June 21.
Ironing board, Cabinet. J. Dearwood. 1,633,003; June 21.
Jack: *See*—
Pump jack.
Jack box. R. M. Diener. 1,632,788; June 21.
Jewelry clasp. A. C. Brown. Des. 72,890; June 21.
Joint: *See*—
Universal joint.
Joint strip, Antirattle. H. G. Jorgensen. 1,632,903; June 21.
Kit, Tool. C. L. Lawrence. 1,633,030; June 21.
Kite. G. W. Ayling. 1,633,510; June 21.
Kite, Self-balancing. C. Dahl. 1,632,822; June 21.
Kneading and mixing machine. F. Kempter. 1,632,975; June 21.
Knitted fabrics, Run-stop course for. J. G. Council. 1,632,999; June 21.
Lamp bracket. M. Rothbart. Des. 72,914; June 21.
Lamp shade. F. K. Maerz. Des. 72,904–5; June 21.
Lamp socket with leads on side. L. L. Raymond. 1,632,849; June 21.
Lamp support. K. Mensing. 1,633,538; June 21.
Lamps, Reflector for quartz. F. Girard. 1,633,525; June 21.
Lantern slide. J. R. Freeman. 1,633,376; June 21.
Laundry machine. L. W. Mammen. 1,632,797; June 21.
Leaning wheel. R. J. Winsor. 1,633,151; June 21.
Lenses, Method of and apparatus for producing bifocal. M. R. McDanal. 1,633,117; June 21.
Lettering device. P. Heinze. 1,632,966; June 21.
Level and gauge, Combination track. C. S. Lusk. 1,633,535; June 21.
License-card holder, Automobile. R. E. Williams. 1,632,812; June 21.
License-plate and identification-card holder, Combined. A. G. Lorenz. 1,633,414; June 21.
Light shade or similar article. S. D. Wilson. Des. 72,922; June 21.
Lighting-arrester system. H. Heese. 1,633,098; June 21.
Lighting fixture. J. S. Moore. Des. 72,909; June 21.
Lighting fixture, Electric-. G. A. Boomer. 1,633,309; June 21.
Lighting fixture or the like, Arm for. M. Peinlich. Des. 72,912; June 21.
Lighting fixture or the like, Backplate for a. M. Peinlich. Des. 72,911; June 21.
Lighting fixtures, Bracket back for. G. E. Villaret. Des. 72,919; June 21.
Lime nitrogen, Treatment of. J. M. A. Stillesen. 1,633,200; June 21.
Lining brakes and clutches, Machine for. J. B. Hird. 1,633,018; June 21.
Liquid-dispensing apparatus. C. P. Crowell. 1,633,519; June 21.
Liquid-fuel burner. H. C. Little. 1,633,549; June 21.
Liquid-fuel burner. J. W. Logan. 1,633,560; June 21.
Liquid-level indicator. C. A. Lake. 1,633,113; June 21.
Liquid meter. W. G. Kent. 1,633,532; June 21.
Lister and planter. W. H. Silver. 1,633,388; June 21.
Load supporting and carrying device. J. Judelson. 1,632,904; June 21.
Lock: *See*—
Closure lock. Coin-controlled lock.
Closure-cap lock. Pedal lock.
Lock. H. Freedman and H. Borsky. 1,633,173; June 21.
Lock mechanism. M. C. Fullenlove. 1,633,087; June 21.
Locking device. S. R. Fraim. 1,633,172; June 21.
Looms, Check attachment for. H. G. McLemore. 1,633,452; June 21.
Looms, Take-up motion for. E. E. Talbot. 1,633,142; June 21.
Looms, Weft-feeding device for weaving. A. Mullor and L. Carriol. 1,632,912; June 21.
Loud-speaker unit. G. F. C. Houghton. 1,633,179; June 21.
Lubricating apparatus. F. S. Barks. 1,633,304; June 21.
Lubricating apparatus. O. U. Zerk. 1,632,985–7; June 21.
Lubricating apparatus, Force-feed. H. Albertine. 1,633,356–57; June 21.
Lubricating bearing surfaces. H. Blount. 1,632,874; June 21.
Lubricating system. D. H. Sweet. 1,632,807; June 21.
Luggage carrier. F. H. Schoelerman. 1,633,497; June 21.
Lumber, Method and apparatus for handling. C. W. Daughs. 1,632,952; June 21.
Machine adapted to catch and destroy bugs and similar noxious vermin on plants and bushes. C. Hellmann. 1,633,099; June 21.
Machine for making hook supports. J. A. Peraira and F. Roberts. 1,633,416; June 21.
Map holder. A. O. Running. 1,632,856; June 21.
Marking guide, Adjustable. C. H. Moline. 1,633,122; June 21.
Matrix-setting and line-casting machine. O. Stern. 1,633,422; June 21.
Maul. F. C. Ehinger. 1,633,007; June 21.
Measuring respired air in testing the lungs. H. Brown. 1,633,393; June 21.
Medicine cartridge and applicator therefor. O. Smiley. 1,633,293; June 21.
Menu holder. W. J. Bird. 1,632,783; June 21.
Metal alloy of high density and high melting point and making the same, Refractory. C. A. Laise. 1,633,258; June 21.
Metal article and producing the same, Hollow. A. B. Norton. 1,633,187; June 21.
Metal parts, Buffing and cleaning of. S. R. Mason. 1,632,909; June 21.
Metal pickling. J. H. Gravell. 1,632,833; June 21.
Metallurgical process. W. E. Greenawalt. 1,633,091; June 21.
Meter: *See*—
Liquid meter. Wave meter.
Microscopes with one objective, Additional device for binocular. H. Siedentopf. 1,632,930; June 21.
Mill: *See*—
Rolling mill.
Mining machine. G. Bodin. 1,632,990; June 21.
Mining machine. F. W. Vodoz. 1,632,810; June 21.
Mining, System for. J. W. Pearce. 1,632,800; June 21.
Mirror, Adjustable. W. E. Miller. 1,633,120; June 21.
Mirror, Rear-view. J. R. Olshel. 1,633,282; June 21.
Miter box. E. A. Hoover and W. C. Kirchner. 1,633,409; June 21.
Mitten. G. A. Wetzstein. 1,633,300; June 21.
Mixer: *See*—
Drink mixer.
Mold: *See*—
Battery-box mold.
Mold core, Collapsible. C. Hutchins. 1,632,899; June 21.
Molds, Cooling. T. A. Bragg. 1,632,992; June 21.
Molds, Cooling. O. A. Hanford. 1,632,962; June 21.
Molds, Cooling. R. La France. 1,633,028; June 21.
Molding and vulcanizing apparatus. J. R. Gammeter. 1,632,830; June 21.
Molten glass, Apparatus for feeding. L. D. Soubier. 1,633,044; June 21.
Mop wringer. F. Clay. 1,633,518; June 21.
Mop wringer. J. M. Elffe. 1,633,008; June 21.
Mortising machine, Door-lock-. S. Hunter. 1,633,370; June 21.
Motor: *See*—
Wind motor.
Motor bracket. W. Ernst. 1,633,009; June 21.
Motor radiators, Heating element for. J. E. Schell. 1,632,857; June 21.
Motor-cycle trailer attachment. W. J. Fox. 1,633,086; June 21.
Motors, Injector for mineral oil. A. Franchetti. 1,633,320; June 21.
Mounting construction. E. Koeb and B. J. Goldsmith. 1,633,183; June 21.
Multi-ply bag. J. N. Tooker and J. F. Harley. 1,633,296; June 21.
Mushroom paste. A. G. Hupfel, jr., and T. M. Rector. 1,633,379; June 21.
Music-sheet turner. S. Halmi. 1,633,408; June 21.

Musical instrument, Automatic. C. Maerten, jr. 1,633,487; June 21.
Nail magazine. T. Yamakishi. 1,633,154; June 21.
Nipple, Nursing. A. E. Rogers. 1,632,854; June 21.
Nitrocellulose and other cellulose esters, Reducing the viscosity of. S. D. Shipley. 1,633,292; June 21.
Nozzle, Jet and spray. F. Glover. 1,633,012; June 21.
Nut. W. N. Booth. 1,632,991; June 21.
Nut-tapping machine. C. E. Ross. 1,632,855; June 21.
Oil saver and antisplasher. L. F. Davis. 1,632,889; June 21.
Oil-well utility gin pole. C. E. Turner and G. R. Milton. 1,632,935; June 21.
Operating device. L. E. La Brie. 1,632,794; June 21.
Operating means. A. H. Stebbins. 1,633,198; June 21.
Oven, Baking. A. E. Troiel. 1,633,236; June 21.
Package, Advertising or sample. H. A. Fruitema. 1,633,444; June 21.
Paint-improving composition and size. C. B. Kelly. 1,633,106; June 21.
Pan-filling machine. L. S. Harber. 1,633,014; June 21.
Pan holder. B. L. Jeffers. 1,632,972; June 21.
Paper box and making the same. S. Rosenthal. 1,633,229; June 21.
Paper cup. C. Barbieri. 1,632,869; June 21.
Paper cup and blank for making the same. C. Barbieri. 1,632,868; June 21.
Paper cup, Folding. C. Barbieri. 1,632,867; June 21.
Paper-making machine. E. Poirier. 1,633,189; June 21.
Parasol. L. A. Capaldo. 1,632,882; June 21.
Pattern-controlled shedding mechanism. T. A. B. Carver. 1,633,475; June 21.
Pattern-grading machines, Template holder for. J. H., H. J., and H. M. Sutherland. 1,633,295; June 21.
Pedal, Control. E. A. Wright. 1,632,940; June 21.
Pedal lock. J. H. Hammond, jr. 1,633,178; June 21.
Pedestal or the like. E. T. Palmenberg. Des. 72,910; June 21.
Pegging machine. B. P. Bohacek. 1,633,307; June 21.
Pen, Fountain. H. Boyer and M. Klevins. 1,633,433; June 21.
Pen holder, Base for fountain-. E. T. Back. 72,885–6; June 21.
Pen holder, Fountain-. W. G. Lewis. Des. 72,903; June 21.
Pen, Reservoir. T. Kovács. 1,633,111; June 21.
Pencil clip and eraser holder combined. G. T. Sheley. 1,633,135; June 21.
Pencil, Magazine. C. C. Hoffman. 1,633,529; June 21.
Percussion implement, Balanced rotary. G. E. Wagner. 1,632,937; June 21.
Pet-cock and priming-cup cleaner. G. T. Morris. 1,633,264; June 21.
Photographic enlarger. E. C. Rogers. 1,633,228; June 21.
Piano case, Grand-. C. Farny. Des. 72,893–4; June 21.
Pipe and cigar holder for the purpose of eliminating the nicotine. H. Blidsoe. 1,633,240; June 21.
Pipe, Forming. G. C. Martin. 1,633,219; June 21.
Plastic materials, Mold for. W. Hinton. 1,633,328; June 21.
Platform for trucks, Elevating. E. J. Kofford. 1,633,024; June 21.
Plotting device. J. B. Furber and K. L. Rankin. 1,633,402; June 21.
Plow, Tractor. M. R. Bruner. 1,633,205; June 21.
Plug, Spark. E. N. and F. O. de Alcocer. 1,633,435; June 21.
Plug, Swivel. M. Kranz. 1,633,025; June 21.
Pocket article and the like. R. S. Blair. 1,632,785; June 21.
Pole clamp. J. P. Snapp. 1,633,129; June 21.
Polishing-wheel and treating same. W. E. Foster. 1,633,523; June 21.
Popgun. C. F. Lefever. 1,633,031; June 21.
Poultry-trussing device. J. M. Selden. 1,633,499; June 21.
Power-generating device, Wind-. G. Silvestrin. 1,633,460; June 21.
Power installation. R. W. Davis. 1,633,166–7; June 21.
Power transmission, Fluid. E. H. McKinney. 1,633,550; June 21.
Press: *See*—
Die press. Toggle press.
Press. J. S. Gullborg. 1,633,559; June 21.
Press. J. C. Ledbetter. 1,633,260; June 21.
Presses, Cushioning means for power. J. Nelson. 1,633,267; June 21.
Presses, Power equalizer for power. J. Nelson. 1,633,266; June 21.
Printing presses, Automatic inking fountain for. A. L. Lengel. 1,633,338; June 21.
Printing presses, Heating roll for. B. F. McLaughlin and J. Loftus. 1,633,451; June 21.
Propeller mounting. A. Nutt. 1,632,913; June 21.
Puller: *See*—
Wheel puller.
Pulley, Clothesline. A. J. Whelan. 1,633,506; June 21.
Pulp, Apparatus for treating. C. H. Allen. 1,633,553; June 21.
Pulp-cooking apparatus. C. H. Allen. 1,633,554; June 21.
Pulpous material, Mechanism for working. H. W. Jespersen. 1,633,181; June 21.
Pulverizing machine. W. K. Cruickshank. 1,633,164; June 21.
Pump and can opener, Combined. R. A. Thornton. 1,632,933; June 21.
Pump, Antisubstitute liquid-dispensing. R. L. White. 1,633,355; June 21.
Pump, Compression. O. A. Olsen. 1,633,270; June 21.
Pump dry-pipe system, Testing device for booster. I. W. Knight. 1,633,107; June 21.
Pump jack. T. J. Stebbins. 1,633,045; June 21.
Pump loading and unloading mechanism. P. W. Reck. 1,633,035; June 21.
Pump plunger. J. A. Zublin. 1,633,058; June 21.
Pump, Water. F. Cárdenas. 1,632,948; June 21.
Push-sled brake. M. O. Carlson. 1,633,363; June 21.
Radiator-cap ornament for automobiles. F. J. Wilhelm. Des. 72,921; June 21.
Radiator connection, Combination. R. J. Baldwin. 1,633,511; June 21.
Radiator for the rooms of buildings, Baseboard. F. M. Nordling. 1,633,032; June 21.
Radiator, Internal-combustion-engine. W. H. Ray. 1,632,803; June 21.
Radiator shutters, Operating mechanism for. F. J. Irving. 1,633,021; June 21.
Radio condenser coupling. H. A. Bremer. 1,632,878; June 21.
Radiotube-holding device. A. E. Schuffenhauer. 1,633,041; June 21.
Rail anchor. G. Picard. 1,632,847; June 21.
Rail-joint support. W. G. Coughlin. 1,632,908; June 21.
Railway-crossing gate, Train-controlled. A. E. Brown. 1,633,517; June 21.
Railway signaling. L. Wyant. 1,633,302; June 21.
Railway-tie mechanism. A. V. Rudd. 1,633,130; June 21.
Railway-traffic-controlling apparatus. H. A. Thompson. 1,633,049; June 21.
Railway vehicles, Repositioning device for swinging coupling heads on. M. Alma and C. E. Alma. 1,632,942; June 21.
Rake: *See*—
Bunch rake.
Ranges, Switch mounting for electric. G. H. Hart. 1,633,097; June 21.
Razor. N. D. Anderson. 1,632,778; June 21.
Razor-blade holder, Safety-. E. T. Middlecoff. 1,632,910; June 21.
Razor, Safety. R. C. G. Staats-Oels. 1,633,139; June 21.
Receptacle closure. R. A. Russell. 1,633,276; June 21.
Receptacle for used razor blades. J. Kaufman. Des. 72,897; June 21.
Receptacles, Closure for. W. J. Snyder. 1,633,197; June 21.
Recording and indicating instruments, Compensating means for. L. C. Irwin. 1,633,380; June 21.
Rectifiers, batteries, and the like, Apparatus for ventilating. A. H. Snyder. 1,633,137; June 21.
Reducing arrangement, Frequency-. J. G. Fallou. 1,633,481; June 21.
Refrigerating machine, Rotary-compressor. H. W. and W. Wishart. 1,633,056; June 21.
Refrigerator. R. A. Riek. 1,633,225; June 21.
Refrigerator. H. Schott. 1,633,231; June 21.
Register: *See*—
Autographic register. Cash register.
Register-controlling system. A. E. Lundell. 1,632,908; June 21.
Regulator: *See*—
Window regulator.
Resilient wheel. C. B. Evans. 1,633,522; June 21.
Resilient wheel. F. A. Turner. 1,632,809; June 21.
Resinous reaction product of urea and formaldehyde. F. Lauter. 1,633,337; June 21.
Reverberatory-furnace waste-heat boiler. A. G. McGregor. 1,632,844; June 21.
Road-building material, Machine for treating. E. B. Horner and L. Holt. 1,632,909; June 21.
Road grader. E. Walworth. 1,633,426; June 21.
Road-scraper blades, Cutting section for. C. O. Weld. 1,633,057; June 21.
Roadway embankment. E. A. Jenks. 1,633,211; June 21.
Rock drill. G. M. Neil. 1,633,551; June 21.
Rod clamp, Awning. F. R. Clifton. 1,633,436; June 21.
Rod rotor, Polished-. A. Boynton. 1,633,064; June 21.
Roller box. H. G. Durnell. 1,633,520; June 21.
Rolling machine. H. J. Haon and H. Boice. 1,633,096; June 21.
Rolling mill. L. Pierce. 1,633,349; June 21.
Roving machines, Stop motion for. J. H. Owen. 1,633,284; June 21.
Ruler, Set-shift parallel. A. Morris and V. L. Morris. 1,633,493; June 21.
Safety block. W. H. McKissick. 1,633,489; June 21.
Safety sheave block. W. H. McKissick. 1,633,537; June 21.
Sanitary closets, Seat-actuating means for. W. E. Chastain. 1,632,819; June 21.
Sash-pulley marker. D. W. Davidson. 1,632,824; June 21.
Satin white, Preparing. J. F. Fredriksson. 1,632,891; June 21.
Sawmill setwork. T. Carmichael and J. E. Bowlin. 1,633,206; June 21.
Scaffold. N. Kilbeck. 1,633,112; June 21.
Scooter. H. H. Perry. Des. 72,913; June 21.
Scraper-edge turner. J. R. Houts. 1,633,329; June 21.

Screen for projected pictures, Translucent. O. Dale. 1,633,315; June 21.
Screen-vibrating mechanism. E. H. Shackelford, jr. 1,632,927; June 21.
Sealing machine, Envelope-. J. W. Eskholme. 1,633,244; June 21.
Seat: *See*—
Bathtub seat. Toilet seat.
Seats and the like, Support for. V. Collier. 1,633,476; June 21.
Seed-corn sheller. H. E. Ebmeier. 1,633,365; June 21.
Seed grain, Method and apparatus for treating. S. J. Williams. 1,633,301; June 21.
Seed planters, Attachment for. F. Thietten. 1,632,861; June 21.
Separator: *See*—
Gas and oil separator.
Separator and amalgamator, Centrifugal. W. C. Coleman. 1,632,950; June 21.
Serving machine. H. F. Carter. 1,632,884; June 21.
Sewing-machine motors, Mounting for. W. Bangser. 1,632,781; June 21.
Sewing-machine motors, Mounting for. H. Maimin. 1,632,795; June 21.
Shade-roller bracket. F. Cooney. 1,633,069; June 21.
Sharpening machine, Knife-. R. Forshaw. 1,633,085; June 21.
Shears or scissors and the like. A. T. Firth. 1,633,441; June 21.
Sheet-feeding apparatus. A. Broadmeyer. 1,632,945; June 21.
Sheet-metal container. F. A. Prahl. 1,632,848; June 21.
Sheller: *See*—
Seed-corn sheller.
Shirts, coats, and the like, Fastener for. J. A. Hughson. 1,632,898; June 21.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,632,914–17; June 21.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,633,033–4; June 21.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,633,269; June 21.
Shoe, Adjustable. S. La Marca. 1,633,413; June 21.
Shoe form. W. J. De Witt. 1,632,954–5; June 21.
Shoe form, Hollow. W. J. De Witt. 1,632,953; June 21.
Shoe, Swimming. J. Feinauer. 1,633,169; June 21.
Shoes, Making. C. C. Blake. 1,632,944; June 21.
Shutter-release holder. L. Page. 1,633,125; June 21.
Sieve, Rotary. A. J. Paynter. 1,633,126; June 21.
Sign, Road. D. M. Alexander. Des. 72,880; June 21.
Signaling means, Electrical. H. W. Slauson. 1,633,043; June 21.
Signaling system, Trunk. L. L. Eagon. 1,632,826; June 21.
Silver, Preparing stable colloidal solutions of. W. Traxl. 1,633,406; June 21.
Skate, Wheel. T. J. Connolly. 1,632,907; June 21.
Skip-hoist and tram-car equipment. A. Warner. 1,633,299; June 21.
Sled, Push. M. O. Carlson. 1,633,362; June 21.
Smock. H. Lewis. 1,633,447; June 21.
Smoker's stand or the like. C. P. Knapp. Des. 72,902; June 21.
Snubber hook and quick-fastener link. D. M. Bateson. 1,633,512; June 21.
Soap dispenser, Liquid-. W. N. Lurcott. 1,633,448; June 21.
Soapy water, Device for supplying. H. C. Smith. 1,632,806; June 21.
Sound amplifier. H. Fischer. 1,633,366; June 21.
Sound waves, Means and apparatus for recording. C. J. Lapp. 1,633,335; June 21.
Speed-indicating apparatus. P. A. Kourtzman. 1,632,976; June 21.
Spindle: *See*—
Textile spindle.
Spindle. J. J. Flanigan. 1,633,084; June 21.
Spiral bar. A. L. Bolton. 1,633,308; June 21.
Spoon or similar article. W. S. Warren. Des. 72,920; June 21.
Spotlight. C. A. Whitsett. 1,633,148; June 21.
Spray gun. B. R. Sausen and E. E. Olsen. 1,633,291; June 21.
Spraying cabinet and apparatus. H. C. Bartling. 1,633,306; June 21.
Spraying machine. A. F. Stubenberg. 1,633,294; June 21.
Spring: *See*—
Vehicle spring.
Spring structure. D. Hanauer. 1,633,545; June 21.
Spring structure. D. H. Van Hove. 1,632,936; June 21.
Spring-supporting means and the like. E. Kreissig. 1,633,027; June 21.
Spring surface bolt. S. Gold. 1,632,832; June 21.
Springs, Machine for shortening. J. A. Findora. 1,633,010; June 21.
Staff support. H. G. Hays. 1,632,965; June 21.
Stair cleaner. L. E. Mackay. 1,633,119; June 21.
Stairway, Concealed. B. Frazier. 1,633,321; June 21.
Stamp-canceling machine. J. W. Eskholme. 1,633,245–6; June 21.
Stand: *See*—
Display stand.
Stay-put parking brake. E. C. Petsch. 1,633,348; June 21.
Steam trap. H. C. Davis. 1,633,165; June 21.
Steel retainer. C. C. Hansen. 1,632,837; June 21.
Steering gear. W. Overdick. 1,633,415; June 21.
Steering gear for automobile vehicles. A. B. Henninger. 1,633,209; June 21.
Stencil sheet. A. B. Davis. 1,633,072; June 21.
Stitching. D. E. Hennessy. 1,633,326; June 21.
Stone and other stone or rock products, Preparing a material for the manufacture of artificial. R. Schoenhoefer. 1,633,132; June 21.
Storage battery. F. T. Lahey. 1,633,257; June 21.
Storage battery. C. E. Ogden. 1,633,224; June 21.
Stove, Oil-burning. A. E. James. 1,632,971; June 21.
Stove with thermoelectric storage, Cooking. S. Sacerdote. 1,633,290; June 21.
Stoves, Splasher back for. F. A. Gercich. 1,633,089; June 21.
Stoves, Wick for oil. R. M. Thorley. 1,633,353; June 21.
Strand-handling apparatus. G. A. Bouvier. 1,632,875; June 21.
Strand-tensioning device. G. A. Bouvier. 1,632,876; June 21.
Street barrier. G. L. Culver, 1,633,000; June 21.
Strip shingle. L. Busha. 1,633,474; June 21.
Sucker-rod and plunger rotator. E. L. Gluyas. 1,633,013; June 21.
Sucker-rod turner. E. T. Gribble. 1,633,092; June 21.
Suction cleaner. T. W. Green. 1,633,367; June 21.
Sugar gauge. C. E. Miller. 1,633,343; June 21.
Surgical device. R. H. De Mott. 1,633,074; June 21.
Switch: *See*—
Automatic switch. Electric switch.
Switch. M. Guett. 1,633,405; June 21.
Table: *See*—
Concentrator table. Tracing table.
Table. D. Crane. Des. 72,891; June 21.
Table for animals, Operating. J. W. Giest. 1,632,831; June 21.
Tailboard scraper. G. S. Spreyer. 1,633,464; June 21.
Tank: *See*—
Fuel tank.
Tape-serving machine, Gummed-. W. A. Uttz, sr. 1,633,144; June 21.
Telemotor system. E. A. Sperry, jr. 1,633,463; June 21.
Telephone circuits, Substation. A. J. Ray. 1,633,286; June 21.
Telephone receiver. D. A. Reynolds. 1,633,194; June 21.
Telephone system. C. E. Lomax. 1,633,116; June 21.
Telephone system, Automatic. J. Wicks. 1,633,149; June 21.
Telephones, Mouthpiece attachment for. C. H. Monks. 1,633,491; June 21.
Temperature-controlling appliance. K. L. Seelbach. 1,633,498; June 21.
Tennis courts, Marking tape for. R. Moore. 1,632,799; June 21.
Testing system. L. T. Cox. 1,632,886; June 21.
Testing system. L. H. Johnson. 1,632,902; June 21.
Tetranitromethane from trinitrotoluene, Removing. R. H. Gärtner. 1,632,950; June 21.
Textile fibers, Apparatus for drawing. G. C. Laurency. 1,633,029; June 21.
Textile spindle. A. Meder. 1,632,798; June 21.
Thermostat. F. Straub. 1,632,932; June 21.
Thread-cutting machine. A. S. Holmes. 1,632,897; June 21.
Thumb-sucking preventive for babies. H. B. Rood. 1,633,037; June 21.
Tie plate, Adjustable. W. H. Huff. 1,632,970; June 21.
Tire chain. E. A. Ryan and F. L. Marksman. 1,633,277; June 21.
Tire-chain fastener. J. A. Garland. 1,633,524; June 21.
Tire-charging equipment, Pneumatic-. E. M. Morley. 1,633,402; June 21.
Tire construction, Pulley-band-. T. Midgley. 1,633,342; June 21.
Tires, Puncture-sealing composition for pneumatic. E. Serchi. 1,633,500; June 21.
Toasting and buttering machine, Automatic. I. Beskin. 1,633,391; June 21.
Toggle press. J. Derry. 1,633,317; June 21.
Toilet novelty. W. F. Patten. 1,632,920; June 21.
Toilet seat, Auxiliary. E. M. Noble. 1,633,222; June 21.
Tool. J. J. B. Dreesen. 1,633,077; June 21.
Tool, Brad driving and extracting. A. L. Kern. 1,633,533; June 21.
Tool, Electric. W. Stumpf. 1,633,389; June 21.
Tool for wrapping wire. J. Fisher. 1,633,401; June 21.
Tool holder. H. Blidsoe. 1,633,239; June 21.
Tool, Impact. E. H. Shaff. 1,633,501; June 21.
Tool, Plug-inserting. H. T. Hughes. 1,633,330; June 21.
Tooth, Artificial. G. O. Burlew. 1,633,241; June 21.
Toothbrush. R. E. Straehly. 1,632,859; June 21.
Torch. G. A. Morrison. 1,633,265; June 21.
Towing and hauling device. C. Sagar. 1,632,922; June 21.
Toy. C. E. Richardson. 1,633,496; June 21.
Toy, Figure. H. W. Norberg. 1,633,456; June 21.
Toy pile driver. C. Zabel. 1,633,155; June 21.
Toy, Spinning. F. Lunz. 1,633,486; June 21.
Toy, Waddle walking. A. L. Whiteside. 1,633,146; June 21.
Toy, Walking. A. L. Whiteside. 1,633,147; June 21.
Tracing table, Projection. L. J. R. Holst. 1,633,253; June 21.
Tractor. A. C. Johnson. 1,633,212; June 21.

Tractor guide. G. R. Knotwell. 1,633,334; June 21.
Tractor guide. J. E. Smid. 1,632,858; June 21.
Tractor, Line-control. J. W. Mowbray. 1,632,911; June 21.
Tractors, Power take-off device for. P. Raimer, J. B. Raimer, and A. Rolfs. 1,633,273; June 21.
Traffic, Overcoming great differences of height with high-speed passenger. F. Kruckenberg. 1,633,214; June 21.
Train-pipe connecter, Automatic. J. Robinson. 1,633,226; June 21.
Transformer. R. T. St. James. 1,633,047; June 21.
Transmission and bearing, Combined resilient. B. F. Seymour. 1,633,133; June 21.
Transmission system. H. M. Bascom. 1,632,817; June 21.
Transmissions, Preventing chattering in. C. B. Epperson. 1,633,440; June 21.
Trap: *See*— Steam trap.
Tray or similar article. R. R. Kintz. Des. 72,899; June 21.
Tree limbs, Clamping band for. C. D. Gilman. 1,633,090; June 21.
Trench-cleaning device. F. E. Braswell and S. T. Ray. 1,633,311; June 21.
Trenching machine. T. Loken. 1,633,115; June 21.
Trough, Watering. H. Wieben. 1,633,150; June 21.
Truck bolster with absorption mechanism. T. H. Symington and P. R. Drenning. 1,633,503; June 21.
Truck, Dump. M. Johnson. 1,633,104; June 21.
Truck, Lifting. A. M. Barrett. 1,633,390; June 21.
Truck, Self-dumping. P. A. Brick. 1,633,515; June 21.
Trucks or the like, Guiding or controlling mechanism for. E. C. Bush. 1,633,473; June 21.
Trunk cushion and retainer. W. C. Chesnut. 1,632,996; June 21.
Trunking system. H. B. Johnson. 1,632,901; June 21.
Tube socket. M. Guett. 1,633,404; June 21.
Turbine and utilizing high-pressure steam therein, High-pressure steam. F. Losel. 1,632,907; June 21.
Turbine gland with more than one pipe connection, Steam-. A. M. P. Lundegaard. 1,632,981; June 21.
Twine machines, Stop and brake for. J. B. Crawford. 1,633,477; June 21.
Typewriting machines, Adding attachment for. G. O. Degener. 1,633,242; June 21.
Typographic numbering apparatus. W. E. C. Sander. 1,633,278; June 21.
Universal joint. A. F. Kaptuller. 1,633,333; June 21.
Upsetting machine. K. Auerbach. 1,633,430; June 21.
Ureides, Sedative and hypnotic. F. Boedecker. 1,633,392; June 21.
Vacuum cleaner, Dirt-ejecting. T. Drew. 1,633,561; June 21.
Vacuum seal and apparatus. O. Minton. 1,633,121; June 21.
Valve. W. Baumgartner. 1,633,061; June 21.
Valve. E. E. Littlefield. 1,633,217; June 21.
Valve. P. J. McGinn. 1,633,488; June 21.
Valve apparatus. I. W. Knight. 1,633,108–9; June 21.
Valve control, System for automatic. J. S. Kennedy. 1,632,905; June 21.
Valve, Engine. B. F. McKee. 1,633,450; June 21.
Valve for rock drills, Disk. L. C. Bayles and F. M. Slater. 1,633,471; June 21.
Valve-lifting device. W. E. Greene and A. E. Morong. 1,632,834; June 21.
Valve-pin extractor. J. G. Whitlow. 1,633,237; June 21.
Valve-pin replacer. J. F. Koons. 1,633,110; June 21.
Valve, Revolving-disk. F. Cavenagh. 1,633,161; June 21.
Valve tappet. L. Salves. 1,633,038; June 21.
Valve, Thermionic. A. C. Bartlett and R. Le Rossignol. 1,632,870; June 21.
Valve, Thermostatic. M. G. Hubbard. 1,633,410; June 21.
Valve, Unloading. J. Le Valley. 1,632,841; June 21.
Valves and making the same, Roller tappet for poppet. R. Jardine. 1,633,331; June 21.
Valves, and other valves, Lock for gas-stove. C. Smith. 1,633,233; June 21.
Vanity case. A. Weber. 1,632,864; June 21.
Vanity cases, Fastening member for. A. Weber. 1,632,863; June 21.
Vat. C. Pauly. 1,633,271; June 21.
Vegetable sea-growth derivative and a method for the preparation thereof. G. F. Meehan and A. L. Kennedy. 1,633,262; June 21.
Vehicle. A. Scala. 1,633,279; June 21.
Vehicle. J. T. Shoup. 1,632,804; June 21.
Vehicle body. H. N. Atwood. 1,633,159; June 21.
Vehicle body, Concrete. J. B. Strauss. 1,633,141; June 21.
Vehicle brake. C. J. Cuppett. 1,633,001; June 21.
Vehicle dash. E. R. Curney. 1,633,093; June 21.
Vehicle, Dumping. L. da C. Carvalho. 1,633,364; June 21.
Vehicle fender, Extensible. G. Lolli. 1,632,980; June 21.
Vehicle spring. A. P. Brush. 1,632,993; June 21.
Vehicle washing pit. J. P. Nicholson. 1,633,280; June 21.
Vehicles, Combined engine stop motion, visual alarm, and condenser for motor-driven. A. Antunes. 1,633,156; June 21.
Vehicles, Driving mechanism for motor. L. W. Davis. 1,633,316; June 21.
Vehicles, Signal device for motor. H. Legendre. 1,632,978; June 21.
Vehicles, Signaling apparatus for motor. S. A. Hoge. 1,633,252; June 21.
Vending machine. L. E. La Croix. 1,633,215; June 21.
Vending machine, Automatic gasoline-. E. T. Hess. 1,633,327; June 21.
Ventilator: *See*— Cowl ventilator.
Ventilator. E. F. Beach. 1,632,871; June 21.
Wagon, Coaster. A. R. Pribil. 1,633,272; June 21.
Wall paper or similar article. H. T. Abolin. Des. 72,878–79; June 21.
Wall pocket or similar article. R. De Boer. Des. 72,892; June 21.
Warships, Power plant for. W. Schmidt. 1,632,925; June 21.
Washing machine. A. W. Altorfer. 1,632,866; June 21
Washing machine. B. A. Stocking. 1,633,140; June 21.
Washing-machine plungers, Resilient mounting for. E. F. Beebe. 1,632,943; June 21.
Washing machine, Vegetable-. C. C. Daniels. 1,633,437; June 21.
Waste material and utilizing components thereof, Disposing of. A. Engle. 1,633,078–81; June 21.
Watch-chain swivel. T. J. Fagan. 1,632,828; June 21.
Watch straps and bracelets, Fastening device for wrist-. C. H. Kestenman. 1,633,381; June 21.
Watches, Dust guard for. I. Sonnenthal. 1,633,351; June 21.
Water-closet pans, Ventilation of. S. R. Habault. 1,632,791; June 21.
Water heater. L. F. Davis and L. W. Schnepp. 1,632,888; June 21.
Water heater, Electric. A. Cote. 1,632,821; June 21.
Wave meter. J. O. Mauborgne and G. Hill. 1,632,982; June 21.
Web-coating apparatus. C. C. Colbert and G. E. Preston. 1,632,885; June 21.
Weed cutter and cultivator, Combined. G. M. Carkey. 1,632,883; June 21.
Welding and cutting apparatus. F. W. Becker. 1,633,359; June 21.
Well drilling. W. Sheldon. 1,633,134; June 21.
Wells, Oil-flowing device for. W. R. Hauswirth. 1,633,325; June 21.
Wheel: *See*— Leaning wheel. Resilient wheel.
Wheel puller. A. L. Cornwell and L. R. Grames. 1,633,314; June 21.
Whistling ball. C. J. Diebold. 1,632,825; June 21.
Wind deflector. W. P. Hammond. 1,633,368; June 21.
Wind motor, Automatic. S. Zglickynski. 1,633,428; June 21.
Window. F. E. Domschelt. 1,632,780; June 21.
Window. M. Haberle. 1,632,835; June 21.
Window, Awning casement. J. G. Dudley. 1,633,375; June 21.
Window-cleaning device. S. De Rosa. 1,633,479; June 21.
Window regulator, Automatic storm-. C. A. Christofferson. 1,632,949; June 21.
Wire fabrics, Seam for woven. A. W. Harris. 1,632,904; June 21.
Wood preservative. R. H. Handy. 1,633,095; June 21.
Wrench: *See*— Conduit-bushing wrench.
Wrench. R. L. Murphy. 1,633,455; June 21.
Wringer: *See*— Mop wringer.
Wrist paste container and distributor. G. De Pamphilis. 1,632,890; June 21.

CLASSIFICATION OF PATENTS

ISSUED JUNE 21, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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291: 1,632,918
145— 36: 1,633,007
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148— 8: 1,632,833
149— 15: 1,633,546
150— 8: 1,633,482
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37: 1,632,809
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153— 40: 1,633,416
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155— 119: 1,633,476
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156— 15: 1,633,275
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158— 27. 4: 1,633,359
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46. 5: 1,633,046
66: 1,633,560
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164— 2: 1,633,196
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167— 9: 1,633,336
169— 26: 1,633,254
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170— 26: 1,633,428
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239: 1,633,454
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175— 21: 1,632,553
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41. 5: 1,632,578
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294: R. 16,661
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298: 1,633,097
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177— 7: 1,633,288
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353: 1,632,908
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179— 1: 1,633,186
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91: 1,632,788
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69: 1,632,903
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183— 2. 7: 1,632,919
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194— 37: 1,633,215
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217— 43: 1,633,354
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219— 35: 1,633,290
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73: 1,632,957
93: 1,632,860
94: 1,632,848
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73.5: 1,633,492
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238— 3: 1,633,211
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27.5: 1,632,870
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39: 1,632,982
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86: 1,633,161
132: 1,633,265
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253— 69: 1,632,907
254— 10: 1,633,390
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112: 1,632,813
262— 1: 1,632,800
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264— 15: 1,633,505
265— 44: 1,633,352
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54: 1,632,993
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280— 8: 1,633,362

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293— 13: 1,632,980
24: 1,632,979
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294— 74: 1,632,952
296— 31: 1,633,159
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298— 12: 1,633,364
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299— 8: 1,632,842
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96: R. 16,662
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304— 5: 1,633,112
305— 10: 1,633,259
308— 7: 1,633,320
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231: 1,633,188

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Accuralite Company, The, Muskegon, Mich. Pistons of aluminum-alloy composition. 229,441; June 28; Serial No. 239,731; published Apr. 19, 1927.

Ackermann and Company, Atlanta, Ga. Pickle relish. 229,495; June 28; Serial No. 243,185; published Apr. 5, 1927.

Albers Packing Company, Riverside, Calif. Canned olives. 229,486; June 28; Serial No. 244,735; published Apr. 12, 1927.

Alexander, G. F., Co., The, Portland, Me. Preparation for the treatment of asthma, etc. 229,503; June 28; Serial No. 243,407; published Apr. 19, 1927.

Alonso Hijos, Antonio, Vigo, Spain. Preserved fish. 229,511; June 28; Serial No. 229,019; published Oct. 19, 1926.

Aluminum Goods Manufacturing Co., Manitowoc, Wis. Aluminum ware. 229,399; June 28; Serial No. 244,909; published Apr. 19, 1927.

American Cellulose & Chemical Manufacturing Company, Ltd., The, now, by change of name, Celanese Corporation of America, New York, N. Y. Woven, knitted, netted, and textile fabrics in the piece. 229,356; June 28; Serial No. 243,838; published Apr. 19, 1927.

American Range Corporation, Shakopee, Minn. Wood, coal, gas, oil, and vapor stoves and ranges. 229,568; June 28; Serial No. 245,182; published Apr. 19, 1927.

American Steel Products Co., Macomb, Ill. Poultry fountains. 229,508; June 28; Serial No. 243,742; published Apr. 12, 1927.

Amiesite Asphalt Limited, Montreal, Quebec, Canada. Bituminous macadam pavement. 229,557; June 28; Serial No. 241,021; published Apr. 12, 1927.

Anderson, David S., doing business as Floral Decorative Materials Co. and D. S. Anderson Co., Deland, Fla. Prepared foliage for decorative purposes. 229,499; June 28; Serial No. 243,303; published Apr. 12, 1927.

Armourite (Laboratories) Ltd., London, England. Puncture-sealing composition for use in all pneumatic tires. 229,506; June 28; Serial No. 243,638; published Apr. 12, 1927.

Austin Flint Association, Inc., New York, N. Y. Publications. 229,487; June 28; Serial No. 244,737; published Apr. 12, 1927.

Backes', M. Sons, Inc., Wallingford, Conn. Pistol caps. 229,538; June 28; Serial No. 245,530; published Apr. 19, 1927.

Bayonne Steel Company, Inc., New York, N. Y. Sheet-steel ceilings and eaves troughs. 229,439; June 28; Serial No. 239,962; published Apr. 12, 1927.

Bergmann, Theo., Shoe Manufacturing Co., Portland, Oreg. Shoe oil. 229,564; June 28; Serial No. 245,134; published Apr. 12, 1927.

Bernard, Alphonse J. C., San Francisco, Calif. Electromagnetic therapeutical coils. 229,553; June 28; Serial No. 240,520; published Apr. 19, 1927.

Bialik, Paul, doing business as Marvel Adding Machine Co., St. Louis, Mo. Adding, calculating, multiplying, and computing machines. 229,359; June 28; Serial No. 244,129; published Apr. 19, 1927.

Black Palm, Inc., New York, N. Y. Dates, figs, citron, ginger, etc. 229,522–3; June 28; Serial Nos. 233,165–6; published Apr. 5, 1927.

Bliss, Alonzo O., Medical Company, The, Washington, D. C. Remedy for the treatment of the blood, kidneys, and liver. 229,533; June 28; Serial No. 245,466; published Apr. 19, 1927.

Bliss, Alonzo O., Medical Company, The, Washington, D. C. Remedies for the treatment of the blood, kidneys, and liver. 229,534; June 28; Serial No. 245,468; published Apr. 19, 1927.

Bourjois, Inc., New York, N. Y. Toilet soap. 229,493; June 28; Serial No. 243,130; published Apr. 12, 1927.

Boyle, C. A., & Co., Chicago, Ill. Water-repellent mildew-resistant fabric. 229,369; June 28; Serial No. 241,807; published Apr. 12, 1927.

Brownson, R., & Company, Hastings, Minn. Paper shopping bags. 229,385; June 28; Serial No. 243,845; published Apr. 19, 1927.

Burdg Brothers, Decatur, Ind. Ointments. 229,364; June 28; Serial No. 244,283; published Apr. 19, 1927.

Burke, Una L., doing business as No-No Products Company, Oakland, Calif. Deodorant toilet powder. 229,392; June 28; Serial No. 243,995; published Apr. 19, 1927.

Butchers, David B., Carthage, Mo. Viscous composition matter for coating dental plaster casts. 229,376; June 28; Serial No. 242,277; published Apr. 12, 1927.

Button, Kenneth P., doing business as Rabbit Breeders' Exchange, Rochester, N. Y. Rabbit pelts. 229,354; June 28; Serial No. 236,191; published Apr. 12, 1927.

Caddo Vinegar Company. (See De Fatta, Philip F.)

Cadmium Process Company, Indianapolis, Ind. Salts for use in cadmium plating. 229,389; June 28; Serial No. 243,925; published Apr. 19, 1927.

California Supply Company, San Francisco, Calif. Tomato catchup, relishes, pickles, onions, vinegar, sirup, etc. 229,420; June 28; Serial No. 227,056; published Apr. 12, 1927.

Carroon & Co., Fowler, Ind. Canned vegetables. 229,480–2; June 28; Serial Nos. 244,656–8; published Apr. 19, 1927.

Carter White Lead Company, Omaha, Nebr., and Chicago, Ill. White lead. 229,370; June 28; Serial No. 241,866; published Apr. 12, 1927.

Celanese Corporation of America. (See American Cellulose & Chemical Manufacturing Company, Ltd.)

Central Scientific Company, Chicago, Ill. Bit braces, auger bits, screws, clamps, figure dies, etc. 229,408; June 28; Serial No. 213,000; published Mar. 8, 1927.

Chemische Fabrik Stockhausen & Cie., Krefeld, Germany. Bleaching compositions and compositions for removing stains and for washing wool. 229,443–4; June 28; Serial Nos. 228,176–7; published Mar. 22, 1927.

Chicago Bridge & Iron Works, The, Chicago, Ill. Periodicals. 229,520; June 28; Serial No. 231,903; published Apr. 19, 1927.

Chlor-Vis Chemical Co. (See Russell, Samuel J.)

Citrus Soap Company of California, San Diego, Calif. Soap flakes. 229,509; June 28; Serial No. 243,750; published Apr. 12, 1927.

Clark, Chapin & Bushnell, Inc., Brooklyn, N. Y. Red-rasberry sirup, maple sirup, Spanish olives, etc. 229,415; June 28; Serial No. 222,663; published Aug. 17, 1926.

Clark, Clarence H., doing business as Zudent Chemical Company, San Francisco, Calif. Compound in powder form for use as an antiseptic. 229,386; June 28; Serial No. 243,847; published Apr. 19, 1927.

Clyde Kraut Company, The, Clyde, Ohio. Sauerkraut. 229,472; June 28; Serial No. 244,427; published Apr. 19, 1927.

Coal Hill Mining Company, Inc., Dubois, Pa. Coal. 229,473; June 28; Serial No. 244,428; published Apr. 19, 1927.

Coca-Cola Company, The, Atlanta, Ga. Beverages and sirups for manufacture of such. 229,380; June 28; Serial No. 242,569; published Apr. 19, 1927.

Columbia Orange Crush Bottling Co. (See Lefas, Stephen D.)

Comptoirs Pichot & Rennecon, Marseilles, France. Olive oils. 229,430; June 28; Serial No. 244,545; published Apr. 12, 1927.

Coney, David M., San Francisco, Calif. Preparation for the treatment of postoperative pain after tooth extraction. 229,381; June 28; Serial No. 242,570; published Apr. 19, 1927.

Corn Products Refining Company, New York, N. Y. Candy. 229,401; June 28; Serial No. 244,289; published Apr. 19, 1927.

Corrao, Antonio, doing business as the Universal Salad Oil Co., New York, N. Y. Salad oil. 229,409; June 28; Serial No. 213,008; published Feb. 23, 1926.

Cousins, Walter H., Dallas, Tex. Publication. 229,373; June 28; Serial No. 242,097; published Apr. 12, 1927.

Coviello, Domenico A., doing business as Coviello Chemical Co., Wilmington, Del. Salve. 229,459; June 28; Serial No. 237,726; published Apr. 19, 1927.

Craftsman Leather Specialty Company, Dayton, Ohio. Dog collars, dog harness, and horse harness. 229,358; June 28; Serial No. 244,055; published Apr. 12, 1927.

Crockett, James B., New York, N. Y. Rubber latex. 229,422; June 28; Serial No. 244,430; published Apr. 19, 1927.

Crowley, Daniel L., doing business as Crowley Tar Products Company, New York, N. Y. Creosote wood preservative. 229,483; June 28; Serial No. 244,671; published Apr. 19, 1927.

Cunningham, Guy L., Los Angeles, Calif. Automobile oil pumps, battery connecter drills, and automobile band adjusters. 229,461; June 28; Serial No. 237,494; published Apr. 19, 1927.

Curran & Joyce Co., Inc., Lawrence, Mass. Ginger ale. 229,535; June 28; Serial No. 245,477; published Apr. 19, 1927.

Davis, Charles V., doing business as Santa Ana Soda & Bottling Co., Santa Ana, Calif. Chocolate malted milk drink. 229,414; June 28; Serial No. 222,223; published Jan. 26, 1926.

De Fatta, Philip F., doing business as Caddo Vinegar Company, Shreveport, La. Vinegar. 229,400; June 28; Serial No. 244,919; published Apr. 12, 1927.

De Messimy, Vincent, Chicago, Ill. Soap. 229,431; June 28; Serial No. 244,548; published Apr. 12, 1927.

Densten Felt and Hair Company, Inc., Philadelphia, Pa. Floor coverings including hair rug cushions, hair carpet lining, and hair stair pads. 229,390; June 28; Serial No. 243,930; published Apr. 19, 1927.

Diamond Coffee Mills, Inc., Shreveport, La. Coffee. 229,372; June 28; Serial No. 242,046; published Apr. 19, 1927.

Doerr Bros. Co., Rockford, Ill. Chocolate nut bars. 229,587; June 28.

Downward, Thomas H., doing business as Elastic Compound Paint Company, Philadelphia, Pa. Paints, varnishes, enamels, etc. 229,403; June 28; Serial No. 195,222; published Apr. 12, 1927.

Drewrys Limited, The, Winnipeg, Manitoba, Canada. Beverages. 229,453; June 28; Serial No. 238,643; published Apr. 19, 1927.
Duncan, Frederick B., New York, N. Y. Coffee. 229,405; June 28; Serial No. 208,798; published Apr. 6, 1926.
Duplan Silk Corporation, New York, N. Y. Textile fabrics. 229,423; June 28; Serial No. 244,433; published Apr. 19, 1927.
Du Pont Viscoloid Company, New York, N. Y. Brushes. 229,488; June 28; Serial No. 244,820; published Apr. 19, 1927.
Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 229,583; June 28.
Elastic Compound Paint Company. (See Downward, Thomas H.)
Elco Paint Products, Inc., New York, N. Y. Paints. 229,456; June 28; Serial No. 238,257; published Apr. 12, 1927.
Electric Production Appliance Corp., New York, N. Y. Control apparatus for adjacent and remote automatic production machinery and comprising mechanism. 229,464; June 28; Serial No. 237,227; published Apr. 19, 1927.
Elysee Delivery de Luxe Corporation, New York, N. Y. Automobiles and constructive parts thereof. 229,454; June 28; Serial No. 238,311; published Apr. 19, 1927.
Eu-Must-Rub Laboratory. (See Rutherford, W. E.)
Excelsior Cycle Company, Chicago, Ill., and Michigan City, Ind. Bicycles. 229,406; June 28; Serial No. 208,847; published Apr. 19, 1927.
Ez-A-Burn Co. (See Hendricks, Carl T.)
Farrel Foundry & Machine Company, Ansonia, Conn., and Buffalo, N. Y. Sugar-mill imbibition devices. 229,577; June 28; Serial No. 245,393; published Apr. 19, 1927.
Fisher & Fallgatter, Waupaca, Wis. Rye flour. 229,521; June 28; Serial No. 232,458; published Mar. 8, 1927.
Fitzpatrick Bros., Chicago, Ill. Soap, soap powder, soap flour, etc. 229,468; June 28; Serial No. 244,922; published Apr. 12, 1927.
Flannery, John J., New York, N. Y. Asphalt. 229,419; June 28; Serial No. 226,643; published Apr. 19, 1927.
Fletcher-Wilson Coffee Co., Nashville, Tenn. Coffee. 229,571; June 28; Serial No. 245,262; published Apr. 19, 1927.
Floral Decorative Materials Co. (See Anderson, David S.)
Fohrman, Charles A., Wilkes-Barre, Pa. Medicine. 229,476; June 28; Serial No. 244,611; published Apr. 19, 1927.
Ford, J. B., Company, The, Wyandotte, Mich. Soda ash, etc. 229,416; June 28; Serial No. 225,405; published Apr. 19, 1927.
Gaffney, Charles, Kearny, New Jersey. Vegetable relish. 229,362; June 28; Serial No. 244,226; published Apr. 12, 1927.
Gantt Manufacturing Company, Macon, Ga. Cotton planters, guano distributors, etc. 229,528; June 28; Serial No. 235,643; published Apr. 19, 1927.
Glendale Shopping News, Glendale, Calif. Newspaper. 229,501; June 28; Serial No. 243,358; published Apr. 19, 1927.
Goodman, Zelda, doing business as J. Goodman, St. Louis, Mo. Cigars. 229,543; June 28; Serial No. 245,628; published Apr. 19, 1927.
Hagen-Becker Company, St. Paul, Duluth, Minneapolis, Minn. Extracts and flavors. 229,432; June 28; Serial No. 244,558; published Apr. 19, 1927.
Hahn, Arthur W., New York, N. Y. Complexion brushes, hairbrushes, babies' hairbrushes, etc. 229,578; June 28; Serial No. 245,395; published Apr. 19, 1927.
Hall, Gardiner, Jr., Company, The, South Willington, Conn., and New York, N. Y. Thread. 229,560–1; June 28; Serial Nos. 245,001–2; published Apr. 19, 1927.
Hall, Gardiner, Jr., Company, The, South Willington, Conn., and New York, N. Y. Thread. 229,562; June 28; Serial No. 245,005; published Apr. 19, 1927.
Hall, Lyman D., New York, N. Y. Hand bag or novelty pocketbook. 229,572; June 28; Serial No. 245,270; published Apr. 12, 1927.
Hanover Wire Cloth Co., Hanover, Pa. Wire cloth for screens. 229,465–7; June 28; Serial Nos. 244,930–2; published Apr. 19, 1927.
Haytock-Cronemeyer Co., Easton, Pa. Silk piece goods. 229,544; June 28; Serial No. 245,640; published Apr. 19, 1927.
Health-Sweets Company, Battle Creek, Mich. Candy. 229,584; June 28.
Hendricks, Carl T., doing business as Ez-A-Burn Co., Hot Springs National Park, Ark. Preparation for the treatment of burns, scalds, etc. 229,474; June 28; Serial No. 244,302; published Apr. 19, 1927.
Hendry, James, Limited, Bridgeton, Glasgow, Scotland. Machinery-driving belts. 229,397; June 28; Serial No. 244,870; published Apr. 19, 1927.
Hoberg Paper & Fibre Company, Green Bay, Wis. Paper wadding. 229,517; June 28; Serial No. 230,295; published May 25, 1926.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Waterproof fabric and waterproof cotton duck. 229,391; June 28; Serial No. 243,949; published Apr. 12, 1927.
Howe, Philip L., Wilson, Tex. Germicidal solution. 229,475; June 28; Serial No. 244,550; published Apr. 19, 1927.
Howell Company, Inc., The, New Orleans, La. Petroleum jelly, insecticide, olive oil, castor oil, antiseptic, etc. 229,490; June 28; Serial No. 243,213; published Apr. 19, 1927.
Hudnut, Richard, New York, N. Y. Lip stick. 229,574; June 28; Serial No. 245,348; published Apr. 19, 1927.
Hyper-Humus Company, Newton, N. J. Plant soil. 229,497–8; June 28; Serial Nos. 243,214–15; published Apr. 12, 1927.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany. Fertilizers. 229,450–1; June 28; Serial Nos. 241,658–9; published Apr. 19, 1927.
Indestro Mfg. Co., Chicago, Ill. Nut-wrench sets, socket-wrench sets, etc. 229,445; June 18; Serial No. 228,653; published Apr. 19, 1927.
International Shoe Polish, Inc., Lynn, Mass. Shoe polish. 229,457; June 28; Serial No. 237,814; published Apr. 5, 1927.
Jandt, Chas. H., Packing Co., Los Angeles, Calif. Fresh vegetables, cantaloupes, and deciduous fruits. 229,434; June 28; Serial No. 238,908; published Apr. 19, 1927.
Jennison, Elmer E., Medford, Oreg. Powder for reudering explosive oils nonexplosive. 229,440; June 28; Serial No. 239,753; published Apr. 19, 1927.
Jones, William C., Farmingdale, N. Y. Sealing compounds, etc. 229,471; June 28; Serial No. 244,403; published Apr. 19, 1927.
Jünger & Gebhardt Akt.-Ges., Berlin, Germany. Soap. 229,374; June 28; Serial No. 242,133; published Apr. 19, 1927.
Kaufmann & Baer Company, Pittsburgh, Pa. Nom de plume for newspaper columns, etc. 229,402; June 28; Serial No. 192,624; published Mar. 22, 1927.
Kent-Costikyan Trading Company, Inc., New York, N. Y. Textile rugs. 229,545; June 28; Serial No. 245,724; published Apr. 19, 1927.
Klisoot Chemical Co., Portland, Me. Soot cleaner for pipes, boilers, chimneys, and the like. 229,353; June 28; Serial No. 243,814; published Apr. 19, 1927.
Knight & Thomas, Inc., Boston, Mass. Fire-extinguishing apparatus. 229,424; June 28; Serial No. 244,450; published Apr. 19, 1927.
Kosan Co. (See Morlan, Dean.)
Kraft, Milton J., Springfield, Ohio. Beverages sold as soft drinks and sirups for making the same. 229,536; June 28; Serial No. 245,500; published Apr. 19, 1927.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Mixed paint. 229,489–90; June 28; Serial Nos. 244,829–30; published Apr. 12, 1927.
Lanson Pere & Fils (Societe a Responsabilite Limitee), Rheims, France. Champagne wines. 229,546; June 28; Serial No. 245,732; published Apr. 19, 1927.
Lathrop, H. R., & Co. Inc., Augusta, Me., and New York, N. Y. Laxative. 229,579; June 28; Serial No. 245,402; published Apr. 19, 1927.
Lefas, Stephen D., doing business as Columbia Orange Crush Bottling Co. and Columbia Bottling Works, Washington, D. C. Beverages. 229,384; June 28; Serial No. 242,788; published Apr. 12, 1927.
Leigh Chemist, Inc., New York, N. Y. Compound for cleaning the hands, shaving cream, soap, etc. 229,447; June 28; Serial No. 241,629; published Apr. 12, 1927.
Leppert, Sam, Portland, Oreg. Electrotherapeutic belt. 229,565; June 28; Serial No. 245,151; published Apr. 12, 1927.
Loewith, Julius, Inc., New York, N. Y. Form of peat moss used for bedding for animals, etc. 229,518; June 28; Serial No. 231,113; published Apr. 12, 1927.
Los Angeles Soap Company, Los Angeles, Calif. Soap. 229,360; June 28; Serial No. 244,163; published Apr. 12, 1927.
Louray Company, The, Grand Rapids, Mich. Toilet preparations. 229,504; June 28; Serial No. 243,613; published Apr. 19, 1927.
Lubetich, Pete, Seattle, Wash. Fish bait. 229,393; June 28; Serial No. 244,018; published Apr. 19, 1927.
MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y. Composite board and lumber. 229,491; June 28; Serial No. 242,840; published Apr. 12, 1927.
Mackie Pine Oil Specialty Co., Inc., Covington, La. Insect destroyer. 229,410; June 28; Serial No. 215,077; published Apr. 19, 1927.
Madison Malt Extract Company, Madison, Wis. Malt sirup. 229,477; June 28; Serial No. 244,618; published Apr. 19, 1927.
Magee, Robert J., Chicago, Ill. Washing powder and soap powder. 229,387; June 28; Serial No. 243,866; published Apr. 19, 1927.
Malsh, Clifford W., Bedding Company, The, Cincinnati, Ohio. Comforts. 229,421; June 28; Serial No. 227,803; published Apr. 12, 1927.
Manor Baking Company, Kansas City, Mo. Bread. 229,388; June 28; Serial No. 243,869; published Apr. 12, 1927.
Marshall Field & Company, Chicago, Ill. Cotton voile in the piece. 229,412; June 28; Serial No. 218,625; published Dec. 1, 1925.
Marvel Adding Machine Co. (See Bialik, Paul.)
Massey Brothers, Winchester, Va. Laxative. 229,433; June 28; Serial No. 238,796; published Mar. 8, 1927.
Mavis Corporation, Baltimore, Md. Beverages and sirups for making the same. 229,470; June 28; Serial No. 244,360; published Apr. 19, 1927.

McDonald, J. G., Chocolate Co., Salt Lake City, Utah. Candy, chocolate, cocoa, etc. 229,554; June 28; Serial No. 240,613; published Apr. 5, 1927.
McGuire, Hubert W., doing business as San Diego Shopping News Co., San Diego, Calif. Newspaper. 229,502; June 28; Serial No. 243,384; published Apr. 19, 1927.
Merit Hardware Manufacturing Co., Chicago, Ill. Caskets. 229,366; June 28; Serial No. 241,739; published Apr. 19, 1927.
Messina, Joseph, Brooklyn, N. Y. Hairdressing. 229,512; June 28; Serial No. 229,399; published Apr. 19, 1927.
Michael, David & Co., Philadelphia, Pa. Flavoring for food products. 229,361; June 28; Serial No. 244,172; published Apr. 5, 1927.
Minerola Remedy Company, The. (See Skillman, Small K.)
Missouri Butterine Co. (See St. Louis Independent Packing Company.)
Montauk Bed Co. Inc., Brooklyn, N. Y. Beds, cots, couches, and cribs. 229,527; June 28; Serial No. 234,789; published Apr. 19, 1927.
Moore, Mary E., Boston, Mass. Hair grower, teeter salve, cold cream, etc. 229,353; June 28; Serial No. 235,967; published Apr. 19, 1927.
Morgan Company, The, Peoria, Ill. Lacquers. 229,566; June 28; Serial No. 245,155; published Apr. 12, 1927.
Morlan, Dean, doing business as Kosan Co., Hollywood, Calif. Healing and deodorising vaginal bath compound. 229,549; June 28; Serial No. 240,147; published Apr. 5, 1927.
Morris, E., Mfg. Co., Detroit, Mich. Antiseptic balm and oil and shampoo preparation. 229,425; June 28; Serial No. 244,461; published Apr. 19, 1927.
Mulford, H. K., Company, Philadelphia, Pa. Antitoxins and serums. 229,367; June 28; Serial No. 241,784; published Apr. 19, 1927.
Murine Company, Inc., The, Chicago, Ill. Eye remedies and eye salve. 229,492; June 28; Serial No. 242,959; published Apr. 19, 1927
Murphy Door Bed Company of Chicago, Chicago, Ill. Wall safes. 229,514; June 28; Serial No. 229,808; published Apr. 19, 1927.
National Gum & Mica Company, New York, N. Y. Glue. 229,435; June 28; Serial No. 239,192; published Apr. 12, 1927.
National Ice Cream Company, Louisville, Ky. Ice cream. 229,427; June 28; Serial No. 244,510; published Apr. 12, 1927.
National Malleable and Steel Castings Company, Cleveland, Ohio. Couplers. 229,573; June 28; Serial No. 245,285; published Apr. 19, 1927.
National Metal Edge Box Company, Philadelphia, Pa. Folding boxes. 229,460; June 28; Serial No. 237,684; published Apr. 19, 1927.
National Register Publishing Co., Inc., New York, N. Y. Publication. 229,507; June 28; Serial No. 243,659; published Apr. 12, 1927.
National Sawdust Co., Inc., Brooklyn, N. Y. Sawdust and shavings. 229,551; June 28; Serial No. 240,432; published Apr. 19, 1927.
Natural Dry Ginger Ale Corp., Rochester, N. Y. Ginger ale. 229,552; June 28; Serial No. 240,434; published Apr. 19, 1927.
New York Evening Post Inc., New York, N. Y. Title for cartoons. 229,357; June 28; Serial No. 243,822; published Apr. 19, 1927.
No-No Products Company. (See Burke, Una L.)
Nowy Swiat Publishing Company Inc., New York, N. Y. Newspaper. 229,494; June 28; Serial No. 243,166; published Apr. 19, 1927.
Odell Company, Inc., The, Newark, N. J. Hair tonic, hairdressing, and eau de quinine. 229,378; June 28; Serial No. 242,495; published Apr. 19, 1927.
Ohio Chemical and Manufacturing Company, The, Cleveland, Ohio. Presses and flasks used in the curing of dentures. 229,524; June 28; Serial No. 234,592; published Apr. 12, 1927.
Oneidacraft, Inc., Oneida, N. Y. Furniture. 229,455; June 28; Serial No. 238,133; published Apr. 19, 1927.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruit, jams, jellies, fruit preserves, tomatoes, vinegar, olives, etc. 229,371; June 28; Serial No. 241,898; published Apr. 12, 1927.
Pacific Northwest Canning Company, Puyallup, Wash. Jams, jellies, fruit butters, canned fruits and vegetables. 229,548; June 28; Serial No. 240,088; published Apr. 19, 1927.
Parfumere Paulette. (See Youngs Rubber Corporation, Inc.)
Parfymeri F. Paull A/B, Stockholm, Sweden. Antiseptic toilet preparations. 229,436; June 28; Serial No. 239,315; published Apr. 19, 1927.
Petoskey Portland Cement Co., Petoskey, Mich. Cement. 229,510; June 28; Serial No. 243,775; published Apr, 19, 1927.
Pierce, S. S., Co., Boston, Mass. Perfumes, toilet waters, face powder, talcum powder, etc. 229,539; June 28; Serial No. 245,580; published Apr. 19, 1927.
Pitcairn Aircraft, Inc., Philadelphia, Pa. Airplanes. 229,395–6; June 28; Serial Nos. 244,883–4; published Apr. 19, 1927.
Plymouth Coal Company, Chicago, Ill. Coal. 229,586; June 28.
Purity-Ann Baking Company, Bloomington, Ill. Cakes, bread, cookies, crackers, etc. 229,569; June 28; Serial No. 245,225; published Apr. 12, 1927.
Rabbit Breeders' Exchange. (See Button, Kenneth P.)
Radwaner, I. L., Seed Co., Inc., New York, N. Y. Seeds. 229,426; June 28; Serial No. 244,470; published Apr. 19, 1927.
Raison Sociale les Fils de S. T. Dupont, Paris, France. Trunks, valises, traveling bags, and auto trunks. 229,556; June 28; Serial No. 240,877; published Apr. 12, 1927.
Rangos, Charles G., doing business as The Spearmint Tobacco Co., Wellsburg, W. Va. Chewing and smoking tobacco. 229,540; June 28; Serial No. 245,583; published Apr. 19, 1927.
Referee Publishing Co., The, Chicago, Ill. Periodical. 229,469; June 28; Serial No. 244,320; published Apr. 12, 1927.
Republic Metalware Co., The, Buffalo, N. Y. Oil cans, creamery pails, milk pails, boxes, cans, baskets, etc. 229,437; June 28; Serial No. 239,427; published Apr. 19, 1927.
Republic Metalware Co., The, Buffalo, N. Y. Display racks, foot baths, dish pans, sink strainers, ash-can covers, etc. 229,438; June 28; Serial No. 239,428; published Apr. 19, 1927.
Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Typewriting machines and parts thereof. 229,446; June 28; Serial No. 241,498; published Apr. 19, 1927.
Rhoads, J. E., & Sons, Philadelphia, Pa. Hame straps and harness straps. 229,365; June 28; Serial No. 241,672; published Apr. 12, 1927.
Robinette & McLain, Washington, D. C. Dry cleaners in paste and liquid form. 229,394; June 28; Serial No. 244,026; published Apr. 12, 1927.
Royal Candy Company, The, Alliance, Ohio. Candy. 229,530; June 28; Serial No. 245,453; published Apr. 19, 1927.
Rubyette Co., The, San Francisco, Calif. Preserved and canned raisins and grapes. 229,575; June 28; Serial No. 245,373; published Apr. 19, 1927.
Russell, Samuel J., doing business as Chlor-Vis Chemical Co., Chicago, Ill. Germicidal preparation. 229,505; June 28; Serial No. 243,626; published Apr. 19, 1927.
Rutherford, W. E., doing business as Eu-Must-Rub Laboratory, Santa Rosa, Calif. Ointment. 229,377; June 28; Serial No. 242,353; published Apr. 19, 1927.
Ryan, Walter D., Schenectady, N. Y. Electric headlights for automotive vehicles. 229,585; June 28.
St. Louis Independent Packing Company, doing business as Missouri Butterine Co., St. Louis, Mo. Oleomargarine and lard. 229,417; June 28; Serial No. 226,173; published Apr. 5, 1927.
San Antonio Coffee Co., San Antonio, Tex. Coffee. 229,484; June 28; Serial No. 244,722; published Apr. 19, 1927.
San Diego Shopping News Co. (See McGuire, Hubert W.)
Santa Ana Soda & Bottling Co. (See Davis, Charles V.)
Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Lawn and grass seed. 229,379; June 28; Serial No. 242,551; published Apr. 19, 1927.
Schluderberg, Wm., T. J. Kurdle Co., The, Baltimore, Md. Lards, butter, hams, bacon, sausage, etc. 229,442; June 28; Serial No. 239,681; published Apr. 5, 1927.
Schroder, J. Henry, Banking Corporation, New York, N. Y. Financial publication. 229,448; June 28; Serial No. 241,637; published Apr. 12, 1927.
Schultz, Edith, Chicago, Ill. Face powders, face creams, toilet waters, rouges, etc. 229,407; June 28; Serial No. 212,154; published Apr. 19, 1927.
Scott & Bowne, Bloomfield, N. J. Antiseptic, germicide, disinfectant, and prophylactic. 229,537; June 28; Serial No. 245,519; published Apr. 19, 1927.
Sexton, John, and Company, Chicago, Ill. Canned fruits, canned vegetables, canned pork and beans, salmon. 229,516; June 28; Serial No. 230,266; published Apr. 5, 1927.
Shoe Form Co., Inc., The, Auburn, N. Y. Shoe forms. 229,550; June 28; Serial No. 240,220; published Apr. 19, 1927.
Skillman, Small K., doing business as The Minerola Remedy Company, Owensboro, Ky. Remedy for dog distemper. 229,363; June 28; Serial No. 244,245; published Apr. 19, 1927.
Slater, F. Brookfield, Washington, D. C. Tooth powders. 229,428; June 28; Serial No. 244,516; published Apr. 19, 1927.
Southern Fruit Distributors, Inc., Orlando, Fla. Fresh citrous fruits and fresh vegetables. 229,541; June 28; Serial No. 245,587; published Apr. 19, 1927.
Spearmint Tobacco Co., The. (See Rangos, Charles G.)
Spitzer, Rudolph, doing business as Rudolph Spitzer Co., New York, N. Y. Serges in the piece. 229,404; June 28; Serial No. 208,760; published Apr. 19, 1927.
Sproat, Benjamin F., doing business as Sproat's Drug Store, Chillicothe, Ohio. Cough mixture. 229,558; June 28; Serial No. 241,247; published Apr. 19, 1927.
Stevens, Chas. A., & Bros., Chicago, Ill. Toilet preparations. 229,513; June 28; Serial No. 229,476; published Apr. 19, 1927.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 229,542; June 28; Serial No. 245,593; published Apr. 19, 1927.

Street & Kent Mfg. Company, Chicago, Ill. Shampooing fixtures, valves, cocks, etc. 229,449; June 28; Serial No. 241,642; published Apr. 19, 1927.
Sullivan Smythfield Company, Philadelphia, Pa. Handkerchiefs. 229,547; June 28; Serial No. 245,813; published Apr. 19, 1927.
Super Paint & Varnish Company, Brooklyn, N. Y. Paints. 229,418; June 28; Serial No. 226,574; published Apr. 12, 1927.
Taylor, Arthur C., doing business as Taylor Products Company, Detroit, Mich. Malt sirup. 229,462–3; June 28; Serial Nos. 237,295–6; published Apr. 19, 1927.
Texas Gum Company, Temple, Tex. Medicinal chewing gum. 229,478–9; June 28; Serial Nos. 244,634–5; published Apr. 19, 1927.
Thomson, Agatha P., St. Louis, Mo. Insecticide, liquid and powder. 229,485; June 28; Serial No. 244,730; published Apr. 19, 1927.
Todd, E. M., Co., Richmond, Va. Bacon. 229,411; June 28; Serial No. 216,238; published Apr. 19, 1927.
Udylite Process Company, Kokomo, Ind. Material for cadmium plating, etc. 229,519; June 28; Serial No. 231,416; published Apr. 19, 1927.
United Fuel & Supply Company, Detroit, Mich. Coal, charcoal, coke, and wood. 229,382; June 28; Serial No. 242,634; published Apr. 12, 1927.
Universal Gypsum Company, now, by change of name, Universal Gypsum & Lime Co., Chicago, Ill. Composition material for construction and insulating purposes. 229,515; June 28; Serial No. 229,835; published June 29, 1926.
Universal Portland Cement Co., Chicago, Ill. Portland cement. 229,458; June 28; Serial No. 237,934; published Apr. 19, 1927.
Universal Salad Oil Co. (See Corrao, Antonio.)
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Medicinal preparation. 229,555; June 28; Serial No. 240,634; published Apr. 19, 1927.
Varhalla Company, The, Chicago, Ill. Machine used in the manufacture of sodium-hypochloride solution. 229,531; June 28; Serial No. 245,461; published Apr. 19, 1927.
Verstynen, Petronilla M., Rockford, Ill. Salve for burns, boils, carbuncles, felons, etc. 229,398; June 28; Serial No. 244,896; published Apr. 19, 1927.
Viscose Company, The, Marcus Hook, Pa. Rayon yarn. 229,532; June 28; Serial No. 245,462; published Apr. 19, 1927.
Von Wilfing, Johann A., Berlin, Germany. Water-soluble preparations containing cell-building protein substances. 229,567; June 28; Serial No. 245,171; published Apr. 19, 1927.
W. H. S. Laboratories, Seattle, Wash. Specific for parasites infesting the human hair. 229,500; June 28; Serial No. 243,330; published Apr. 19, 1927.
Wadsworth Howland & Co., Incorporated, Boston, Mass. Paint and paint enamel. 229,368; June 28; Serial No. 241,799; published Apr. 12, 1927.
Waite Carpet Co., Oshkosh, Wis. Wool rugs. 229,375; June 28; Serial No. 242,159; published Apr. 19, 1927.
Walker, Fred, & Co. Proprietary Limited, Melbourne, Australia. Canned and preserved meats. 229,413; June 28; Serial No. 221,861; published Feb. 15, 1927.
Ware, Walter F., Company, The, Camden, N. J., and Philadelphia, Pa. Medicine droppers. 229,529; June 28; Serial No. 244,258; published Apr. 26, 1927.
Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 229,582; June 28.
West Steel Casting Company, The, Cleveland, Ohio. Ferrous castings. 229,559; June 28; Serial No. 241,249; published Apr. 12, 1927.
West Steel Casting Company, The, Cleveland, Ohio. Ferrous castings. 229,580; June 28; Serial No. 241,250; published Apr. 12, 1927.
West Steel Casting Company, The, Cleveland, Ohio. Ferrous castings. 229,581; June 28; Serial No. 241,456; published Apr. 12, 1927.
Westchester Bottling Works, New Rochelle, N. Y. Beverages. 229,563; June 28; Serial No. 245,125; published Apr. 19, 1927.
Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 229,576; June 28; Serial No. 245,388; published Apr. 19, 1927.
Willis, N. E., doing business as N. E. Willis & Son, Gearhart, Oreg. Canned razor clams. 229,429; June 28; Serial No. 244,525; published Apr. 19, 1927.
Wittbold, Otto, Nursery, Chicago, Ill. Fertilizing materials. 229,570; June 28; Serial No. 245,238; published Apr. 19, 1927.
Wright Aeronautical Corporation, Paterson, N. J. Aeronautical engines. 229,383; June 28. Serial No. 242,763; published Apr. 19, 1927.
Youngs Rubber Corporation, Inc., doing business as Parfumere Paulette, New York, N. Y. Medicinal preparations. 229,525; June 28; Serial No. 234,604; published Apr. 19, 1927.
Youngs Rubber Corporation, Inc., New York, N. Y. Medicinal preparations. 229,526; June 28; Serial No. 234,606; published Apr. 19, 1927.
Zuckerman Brothers, Stockton, Calif. Potatoes. 229,452; June 28; Serial No. 236,979; published Apr. 19, 1927.
Zudent Chemical Company. (See Clark, Clarence H.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Auto Top Enamel Co. (See Dickinson, Herbert E.)
Bierfeld, Louis, Company, Not Inc., Chicago, Ill. American Beauty. For Mirrors. 32,339; June 28.
Blackstone Manufacturing Company, doing business as Fly-Sol Corporation, Newark, N. J. Fly-Sol. For Insecticides. 32,340; June 28.
Bowdish, Gordon S., New Orleans, La. Texasphaltic Auto Top Dressing. For Auto Top Dressing. 32,342; June 28.
Bowdish, Gordon S., New Orleans, La. Texasphaltic (Under) Fender & Chassis Paint. For Fender and Chassis Paint. 32,343; June 28.
Chicky Manufacturing Co., The, Grand Rapids, Mich. Quality Queen. For Candy. 32,344; June 28.
Clinco Laboratories, Inc., Marlton, N. J., and Philadelphia, Pa. Clinco. The Magical Cleaner. For Magical Cleaner. 32,345; June 28.
Dexter, Stephen B., Los Angeles, Calif. Ray-Dex. For Radium Healing Stone. 32,346; June 28.
Dickinson, Herbert E., doing business as Auto Top Enamel Co., Eugene, Oreg. Black Bear Auto Top Enamel. For Automobile Top Enamel. 32,347; June 28.
El Toro Tamale & Enchilada Co., San Francisco, Calif. El Toro Club Mild Quality Enchiladas. For El Toro Club Mild Quality Enchiladas. 32,348; June 28.
Ex-Kre-Nol Medicine Co. (See Slagle, Frank C.)
Falk Corporation, Minneapolis, Minn. Falk's The Original Kamfor Kreme. An Antiseptic and Healing Lotion for The Skin. For a Preparation for the Skin. 32,349; June 28.
Fly-Sol Corporation. (See Blackstone Manufacturing Company.)
Glancy, Rose M., Brooklyn, N. Y. Rose's Hair Tint. For Hair Tint. 32,350; June 28.
Groveton Paper Company, Inc., Groveton, N. H. 1 Wite-Wood. For Envelopes. 32,351; June 28.
Hanley & Kinsella Coffee & Spice Company, St. Louis, Mo. Oriental. For Package Coffee. 32,352; June 28.
Hardie, Wm. M., Co., The, Cleveland, Ohio. Jinks. For Candy. 32,353; June 28.
Harrington and Waring, New York, N. Y. Hollywood. For Hosiery. 32,354; June 28.
Havana Fruit Company, Chicago, Ill. El-Morro. For Fresh Pineapples. 32,355; June 28.
Jones, William J., Detroit, Mich. The German Chemist Eczema Salve. For a Salve. 32,356; June 28.
Just Born, Inc., Brooklyn, N. Y. Cherry Cocktail. For a Chocolate Bottle. 32,341; June 28.
La France Manufacturing Company, Philadelphia, Pa. Softo. For Water Softeners. 32,357; June 28.
Lorain Home Supply Store. (See Yeager, Albert.)
Mainzer, Adolf J., Inc., New York, N. Y. Apricoating The Baker's Favorite Apricot-Glace. For Coatings For Pastries, Fruit Tarts, Cakes, Creams, Meringues, Etc. 32,358; June 28.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Sunrise Egg Producers Co-Operative, Inc. New York, N. Y. Sunrise Eggs. For Eggs. 32,359; June 28.
Moore-Langen Printing & Publishing Co., also doing business as The Moore-Langen Label Company, Terre Haute, Ind. Sticktite Stickers. For Stickers. 32,360; June 28.
Morrell, John, & Co., Ottumwa, Iowa. Morrell's Pure Lard. For Lard. 32,361; June 28.
Nederland Bakery. (See Yentzen, George J.)
No-Puncture Leak C., Payette, Idaho. No-Puncture-Leak. For a Compound for Stopping Air Leaks from Automobile Tires. 32,362; June 28.
Peters, Howard J., Chicago, Ill. Peters Jel-E-Etts. For Candies. 32,363; June 28.
Poland Soap Works, Anniston, Ala. Brighten-Up. For Washing Powder. 32,364; June 28.
Slagle, Frank C., doing business as Ex-Kre-Nol Medicine Co., Rochester, Pa. Florescence Concentrated Cocoanut Shampoo. For Packaged Cakes of Solidified Shampoo. 32,365; June 28.
Sunrise Egg Producers Co-Operative, Inc. (See Menasha Printing and Carton Company.)
Wheat-O-Mine Co., The, Los Angeles, Calif. Wheat-Elité. For Prepared Cereals. 32,366; June 28.
Yeager, Albert, doing business as Lorain Home Supply Store, Lorain, Ohio. Diamond Brand. For Barley-Malt-Extract Sirup. 32,367; June 28.
Yentzen, George J., doing business as Nederland Bakery, Nederland, Tex. Premium. For Bread. 32,368; June 28.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. No pulling of undershirts, over heads. For Athletic Underwear. 9,986; June 28.
B. V. D. Company, Inc., The, New York, N. Y. One Way Only. For Athletic Underwear. 9,987; June 28.
B. V. D. Company, Inc., The, New York, N. Y. What do the Letters Stand For? For Athletic Underwear. 9,988; June 28.
B. V. D. Company, Inc., The, New York, N. Y. As if Tailored to Your Measure. For Athletic Underwear. 9,989; June 28.
B. V. D. Company, Inc., The, New York, N. Y. Cool and Convenient. For Athletic Underwear. 9,990; June 28.
B. V. D. Company, Inc., The, New York, N. Y. Get All This Rare Comfort. For Athletic Underwear. 9,991; June 28.
B. V. D. Company, Inc., The, New York, N. Y. Exclusive Crotch Comfort. For Athletic Underwear. 9,992; June 28.
Black, Starr & Frost, New York, N. Y. The Emerald Choker Necklace and the Emerald Bracelet. For Jewelry. 9,985; June 28.
Conveyor Sales Co., Inc. (See Walter, Raymond A.)
Heating and Piping Contractors National Association, New York, N. Y. Certified Heating Assures Comfort. For Heating Apparatus. 9,993; June 28.
Indiana Lamp Corporation, Connersville, Ind. Again Before 3,000,000 Buyers of the 'Post'. For Automobile Lamps. 9,994; June 28.
John Henry Stores, Inc., Newark, N. J. John Henry Stores, Inc. J H S Service. For Carpets. 10,006; June 28.
Liquid Veneer Corp., Buffalo, N. Y. Now! A Furniture Polish That Leaves No Greasy Film. For Liquid Veneer. 9,995; June 28.
National Tire Stores, Incorporated, Denver, Colo. National Tire Stores, Incorporated—The Sign of Good Tires. For Tires. 9,996; June 28.
Nestle's Food Company, Inc., San Francisco, Calif., and New York, N. Y. Alpine Evaporated Milk—Better Breads and Cakes. For Evaporated Milk and Condensed Milk. 9,997; June 28.
Nestle's Food Company, Inc., San Francisco, Calif., and New York, N. Y. Alpine Evaporated Milk—so Delicious. For Evaporated Milk and Condensed Milk. 9,998; June 28.
Nestle's Food Company, Inc., San Francisco, Calif., and New York, N. Y. Alpine Evaporated Milk—There's Cream in Every Drop. For Evaporated Milk and Condensed Milk. 9,999; June 28.
Nestle's Food Company, Inc., San Francisco, Calif., and New York, N. Y. Alpine Evaporated Milk—More Economical. For Evaporated Milk and Condensed Milk. 10,000; June 28.
Norris, Inc., Atlanta, Ga. A Candy Specialty Made for Gracious Giving. For Candy. 10,001; June 28.
Prophylactic Brush Company, Florence, Mass. Front Teeth—Back Teeth All Are Smiling Teeth When You Use Pro-phy-lac-tic. For Prophylactic Toothbrushes. 10,002; June 28.
Prophylactic Brush Company, Florence, Mass. Avoid Hit-Or-Miss Brushing Pro-phy-lac-tic Is Designed to Reach and Clean all Your Teeth. For Prophylactic Toothbrushes. 10,003; June 28.
Reed & Barton, Taunton, Mass. The Story of the Knife No. 3. For Silverware. 10,004; June 28.
Rosenzweig, Henry, & Co., Inc., New York, N. Y. Super Glow Rayon Fabrics. For Rayon Materials (Textile Fabrics). 10,005; June 28.
Textileather Co. Inc., Newark, N. J. The Custom Built Coated Fabric. For Substitute-Leather Fabric. 10,007; June 28.
Walter, Raymond A., doing business as Conveyor Sales Co., Inc., New York, N. Y. The Eickhoff Jigging Conveyor—Takes the Grunt Out of Mining. For Conveyers. 10,008; June 28.
Walter, Raymond A., doing business as Conveyor Sales Co., Inc., New York, N. Y. Jigging Conveyor Eickhoff. For Conveyers. 10,009; June 28.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abadie, Julia A., New Orleans, La. Seasonings for food. 247,588; June 28.
Acacia Fraternity, Worcester, Mass. Fraternity pins, badges, charms, etc. 244,734; June 28.
Ajax Hand Brake Company, Chicago, Ill. Mechanism for manual operation of railway-car brakes. 230,270; June 28.
Alexander County Nurseries. (See Southern Plant Growers' Association.)
American Finance and Commerce Co., San Francisco, Calif. Firecrackers. 249,400–2; June 28.
American Lead Pencil Company, New York, N. Y. Rubber bands, pencils, and penholders. 248,460; June 28.
American Thread Company, The, New York, N. Y. Spool cotton, thread, and sewing cotton. 248,614; June 28.
Anderson Box Company, Indianapolis, Ind. Chick boxes for shipping. 238,243; June 28.
Apex Razor Blade Corporation, The, Baltimore, Md. Safety razor blades. 249,035; June 28.
Appleton Woolen Mills, Appleton, Wis. Felt blankets and papermakers' jackets. 246,727; June 28.
Asroses Mfg. Co. (See Purple, John G.)
Atlanta Flour & Grain Co., Atlanta, Ga. Chicken feed, dairy feed, and chicken mash. 239,091; June 28.
Averill Manufacturing Corp., New York, N. Y. Dolls. 246,948; June 28.
Baird & McGuire, Inc., Holbrook, Mass. Disinfectants and insecticides. 249,147; June 28.
Barron-Anderson Company, Boston, Mass. Men's suits, overcoats, and topcoats. 248,389; June 28.
Beacon Falls Rubber Shoe Co., Beacon Falls, Conn. Arctics. 248,952; June 28.
Bear State Oil Co., Joplin, Mo. Gasoline. 244,973; June 28.
Belknap Hardware & Manufacturing Company, Louisville, Ky. Pneumatic tires and inner tubes. 248,989–90; June 28.
Bendix, Inc., New York, N. Y. Piece goods. 249,148–9; June 28.
Benford, Charles A., doing business as Virginia May Laboratories, Newtonville, Mass. Liquid preparation. 247,308; June 28.
Benjamin-Hartoon Company, Wayne, Mich. Mustard, sweet pickle relish, maple sirup, honey, etc. 233,100; June 28.
Binney & Smith Company, New York, N. Y. Carbon black. 238,036; June 28.
Bishop and Bishop, Duffield, Va. Medicine for catarrh, stomach, and liver. 242,703; June 28.
Bloch Freres, Inc., New York, N. Y. Handkerchiefs. 247,925; June 28.
Borden, M. C. D., & Sons, Inc., New York, N. Y. Cotton piece goods. 248,278; June 28.
Boyd and Hutter Tile Company, Long Beach, Calif. Glass tile. 240,461; June 28.
Breeding, A. L., San Antonio, Tex. Medicine. 243,528; June 28.
Brick, Alexander, Vienna, Austria. Disinfectants, deodorants, and substances. 243,747; June 28.
Bryn Mawr Fruit Growers Association, Bryn Mawr, Calif. Oranges, lemons, and grapefruit. 242,814; June 28.
Byers, A. M., Company, Pittsburgh, Pa. Metal pipe. 204,496; June 28.
Call, Manfred, Richmond, Va. Cast-iron parts of plows. 244,981; June 28.
Capsi-Pad Co., The, West New York, N. J. Dental pad or poultice. 248,345; June 28.
Captain Kidd Products, Inc., Brooklyn, N. Y. Flavoring sirups and extracts for foods. 245,892; June 28.
Carson Pirie Scott & Co., Chicago, Ill. Towels. 231,526; June 28.
Casler, Fred M., doing business as Casler Food Products Co., Los Angeles, Calif. Salad dressing, tartar sauce, jams, etc. 238,636; June 28.
Celastic Corporation, The, Wilmington, Del., and Arlington, N. J. Fabric impregnated with a stiffening substance. 230,085; June 28.
Certified Milk Producers' Association of America, Inc., The, Brooklyn, N. Y. Magazines. 248,988; June 28.
Cheatham Chemical Company, Atlanta, Ga. Toilet water, perfumes, bay rum, alcohol rub, hair tonics, etc. 248,220; June 28.
Chemische Fabrik Stockhausen & Cie., Krefeld, Germany. Dyes and dyestuffs, etc. 228,174; June 28.
Chocolate Products Co., Chicago, Ill. Food beverage and sirup for making the same. 244,043; June 28.
Clarion Knitting Mills, Inc., New York, N. Y. Underwear, ties, scarfs, and mufflers. 248,891; June 28.
Clarks Products Inc., Binghamton, N. Y. Toilet cream. 246,740; June 28.
Cochran-Turney-Crispo, Inc., New York, N. Y. Fresh vegetables. 248,555; June 28.
Columbus-Union Oil Cloth Co., The, Columbus, Ohio. Oiled cloth. 213,891–2; June 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Connecticut Automotive Specialties Company, Bridgeport, Conn. Electric cigar lighters and trouble lamps. 246,597; June 28.
Cork Import Corporation, New York, N. Y. Tapered corks and stoppers. 247,360; June 28.
Curme, Gilbert E., doing business as U Chocolate Shoppe, Chicago, Ill. Candy bars. 232,258; June 28.
Daniels & Schuck, Inc., East Orange, N. J. Splined box ends for shipping boxes, crates, fruit cases, and the like. 247,933; June 28.
Davo Manufacturing Co. (See Flato's Inc.)
Davol Rubber Company, Providence, R. I. Bottle caps. 246,820; June 28.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Pumps. 247,934; June 28.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Water-softening apparatus. 248,092; June 28.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Water-softening apparatus. 248,395; June 28.
Deane, Gerard C., Yonkers, N. Y. Plaster of Paris bandages. 248,396; June 28.
Delphos Mop Company, The, Delphos, Ohio. Floor mops. 249,216; June 28.
Deutsch, A. M., Manitou, Colo. Bulgarian buttermilk. 233,672; June 28.
Dictaphone Sales Corporation, New York, N. Y. Publications. 206,113; June 28.
Dobbratz, Louis, Co., Milwaukee, Wis. Wholesale groceries. 247,266; June 28.
Doehler Die-Casting Co., Brooklyn, N. Y. Die-casting metal and die castings. 248,399; June 28.
Dundee Linen Shop, Newark, N. J. Linen damask tablecloths and napkins, sheets, and pillowcases, handkerchiefs, etc. 234,504; June 28.
Dunhill, Alfred, of London, Inc., New York, N. Y. Portable and pocket cigar and cigarette lighters. 248,450; June 28.
E-Z Health Laboratories, Beech Creek, Pa. Laxative chewing gum. 236,677; June 28.
Empire Plant Company. (See Southern Plant Growers' Association.)
Epley, Clarence W., doing business as C. W. Epley Independent Oil Company, Gettysburg, Pa. Gasoline, engine and motor oil, gear oil and grease. 229,671; June 28.
Experimenter Publishing Company, New York, N. Y. Magazines. 247,530; June 28.
Faber, A. W., Inc., Newark, N. J. Pencils. 241,993; June 28.
Federal Gauge Company, The, Chicago, Ill. Electrically-actuated control for electric switches. 246,894; June 28.
Federal Glass Company, The, Columbus, Ohio. Glass tumblers, jugs, ice tubs, etc. 231,851; June 28.
Fennell, Perryman H., doing business as Fennell Coffee Company, San Antonio, Tex. Coffee. 247,421; June 28.
Field Bros. & Gross Co., Auburn, Me. Shoes. 247,732; June 28.
Fink, William B., Washington, D. C. Bread. 210,227; June 28.
Fison Paint Products Company. (See Siegel, F. I., & Son.)
Fitzgerald Manufacturing Company, The, Torrington, Conn. Therapeutic lamps. 248,355; June 28.
Flach & Benedict, Inc., Los Angeles, Calif. Bookkeeping supplies. 244,067; June 28.
Flato's Inc., doing business as Davo Manufacturing Co., Allston, Mass. Polish for furniture and automobiles. 248,403; June 28.
Frisble, Pauline, doing business as Marvo Company, Los Angeles, Calif. Salves. 246,399; June 28.
Furmanite Corporation, The, Newport News, Va. Equipment for sealing leaks in metal containers. 247,180; June 28.
G & R Household Chemical Co. (See Reimers, Gerald H.)
Gehring, Henry, Company, The, Cleveland, Ohio. Ginger ale. 229,791; June 28.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic vehicle tires. 239,618; June 28.
Grain Belt Mills Company, South St. Joseph, Mo. Horse and mule feed. 247,843; June 28.
Grain Belt Mills Company, South St. Joseph, Mo. Horse, mule, and chicken feed. 247,855; June 28.
Grain Belt Mills Company, South St. Joseph, Mo. Horse, mule, and dairy feed. 247,856; June 28.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Hydrometers. 249,002; June 28.
Greco Canning Company, Inc., San Jose, Calif. Canned fruits. 235,209–10; June 28.
Greco Canning Company, Inc., San Jose, Calif. Canned fruits. 235,212; June 28.
H. & B. Textile Chemical Corporation, New York, N. Y. Lubricant and dye penetrant for all kinds of textile materials. 249,167; June 28.
Hallmark Flavor Co. (See Monty, A. S.)
Hartford, Stanley, doing business as Klassy Beverage Company, San Bernardino, Calif. Beverages. 246,093; June 28.
Hedman Manufacturing Company, Chicago, Ill. Mechanical check protectors and check certifiers. 248,040; June 28.
Heyman, Wilbert A., New York, N. Y. Chocolate milk powder. 248,041; June 28.
Hicks, H., & Son, Inc., New York, N. Y. Canned, dried, and fresh fruits, candied nuts, etc. 230,997; June 28.
Hoffman, F. W., & Company, Inc., Philadelphia, Pa. Hydraulic lift and force pump. 245,211; June 28.
Hoffman, Samuel L., doing business as S. L. Hoffman & Co., New York, N. Y. House dresses and aprons. 248,000; June 28.
Houghton, E. F., & Co., Philadelphia, Pa. Compounds for processing pure silk. 248,571; June 28.
Hubbard, C. D., Fruit Co., Carpinteria, Calif. Oranges, lemons, and grapefruit. 222,247; June 28.
Hunter, James, Machine Company, North Adams, Mass. Automatic feeds, card breasts, cloth washers, etc. 245,990; June 28.
International Motor Company, New York, N. Y. Motor trucks. 247,860; June 28.
Ireland Candy Company, St. Louis, Mo., and Los Angeles, Calif. Candy. 247,021; June 28.
Isaac, Isadore, doing business as I. Isaac & Co., New York, N. Y. Ties. 246,556; June 28.
Isabeau Laboratories. (See Manganiello, Albert C.)
Isbell-Kent-Oakes Dry Goods Company, The, Denver, Colo. Children's linen dresses, cotton dresses, linen rompers, ladies' linen dresses, etc. 242,483; June 28.
Isbell-Porter Co., Newark, N. J. Street governors, gate gas valves, etc. 224,409; June 28.
Jacobs, David, Corporation, New York, N. Y. Women's hosiery. 248,478; June 28.
Jefferson Farms. (See Southern Plant Growers' Association.)
Jessop, S. T., Co., Inc., Chicago, Ill. Combination ash tray, cigarette holder, and match holder. 249,427; June 28.
Jones-Dabney Company, Louisville, Ky. Lacquers, varnishes, and paint enamels. 247,480; June 28.
Julian Products Co. (See Perlzweig, Julia.)
Kampf, H. D., Inc., New York, N. Y. Dry-cleaning fluid. 242,134; June 28.
Kanitz, Ed., & Co., Aktiengesellschaft, Wien, Vienna, Austria. Photographic apparatus. 239,371; June 28.
Kann, S., Sons Company, The, Washington, D. C. Shoes. 247,694; June 28.
Kappa Alpha Order, The, Orlando, Fla. Fraternity pins, badges, lapel buttons, cuff links, charms, etc. 245,056; June 28.
Karlsruher Parfumerie- und Toiletteseifen-Fabrik F. Wolff & Sohn Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Perfume, toilet water, hair tonic, etc. 220,721; June 28.
Kasco Mills, Inc., Waverly, N. Y. Dairy and poultry feed. 246,755; June 28.
Katz & Ogush, Inc., New York, N. Y. Finger rings, bar pins, bracelets, brooches, etc. 244,079; June 28.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants consisting of oils and greases. 247,133; June 28.
Keystone Publishing Co., The, Philadelphia, Pa. Publication. 247,274; June 28.
Kingstone, Max O., doing business as Kingstone Bedding Co., San Francisco, Calif. Mattresses, pillows, and cushions. 245,044; June 28.
Klassy Beverage Company. (See Hartford, Stanley.)
Knapp Electric Corporation, Port Chester, N. Y. Electric motors. 245,058; June 28.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Fruit-jar rings. 249,128; June 28.
Kuhn, Joseph, Chicago, Ill. Metal advertising device. 244,504; June 28.
Lactein Company, The, San Francisco, Calif. Preparation in powdered form used as a disinfectant and deodorant. 248,305; June 28.
Lamont, Corliss & Company, New York, N. Y. Milk chocolate coating and milk cocoa. 241,626; June 28.
Land O'Lakes Creameries Inc., Minneapolis, Minn. Sweet, condensed, powdered, evaporated milk, sweet cream, poultry feed, etc. 245,014; June 28.
Leonardt, D., and Company, Birmingham, England. Metallic pens. 242,235; June 28.
Lilly, Eli, and Company, Indianapolis, Ind. Medicine or a pharmaceutical preparation. 249,270; June 28.
Link-Belt Company, Chicago, Ill. Oil-well drives and counterweighted disks on the drive. 249,076; June 28.
Lorraine Manufacturing Company, Pawtucket, R. I. Textile of cotton and rayon mixture. 248,505; June 28.
Lynch, Minnie J., Waterbury, Conn. Healing salve for cuts, burns, boils, etc. 248,851; June 28.
Magnetic Polish Company, Inc., St. Louis, Mo. Metal polish. 246,694; June 28.
Mammala Corporation, New York, N. Y. Special dry milk for babies, invalids, etc. 233,210; June 28.
Manganiello, Albert C., doing business as Isabeau Laboratories, New York, N. Y. Cold and vanishing cream, scalp balm, oil and cream shampoo, hair tonic, etc. 247,621; June 28.
Marion Steam Shovel Company, The, Marion, Ohio. Magazine. 248,964; June 28.
Martory, Alfred, Paris, France. Perfumes. 248,110; June 28.
Marvo Company. (See Frisble, Pauline.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Master Builders Company, The, Cleveland, Ohio. Oil-field cement-controlling chemical preparations. 238,447; June 28.
Meriden Gravure Company, The, Meriden, Conn. Pictures, illustrations, display cards, greeting cards, and booklets. 248,008; June 28.
Merwin, W. C., Strathmore, Calif. Fresh grapes and pomegranates. 241,893; June 28.
Meyers, Maxwell, Boston, Mass. Trumpets, clarinets, alto horns, etc. 244,564; June 28.
Minnesota Co-Operative Egg & Poultry Exchange, Inc., St. Paul, Minn. Eggs and dressed poultry. 240,360; June 28.
Monty, A. S., doing business as Hallmark Flavor Co., Chicago, Ill. Beverages, sirups, concentrates, and compounds for making the same. 248,509; June 28.
Motor Terminals Company, New York, N. Y. Automobile trucks and removable bodies therefor. 240,428; June 28.
Mueller Brass Co., Port Huron, Mich. Pipes of nonferrous metal. 237,276; June 28.
Nashua Package Sealing Co. Inc., Nashua, N. H. Devices for moistening and/or serving adhesive or gummed tape, labels, and the like strip material. 245,366; June 28.
Natamsa Publishing Company, Inc., New York, N. Y. Publication. 249,233; June 28.
National Gut String Mfg. Co., Inc., Chicago, Ill. Gut string for tennis rackets. 247,557; June 28.
New Departure Manufacturing Company, The, Bristol, Conn. Antifriction bearings and parts thereof. 249,234; June 28.
Nimrod, Limited, London, England. Combination natural gas and fuel oil burners. 246,703; June 28.
Norwalk Vault Company, The, Norwalk, Ohio. Molds for making concrete burial vaults. 248,187; June 28.
Nox-An-Ake Co., The, Mannington, W. Va. Headache tablets and powders. 247,813; June 28.
Oelerich & Berry Company, Chicago, Ill. Molasses. 236,282; June 28.
Old Ben Coal Corporation, Chicago, Ill. Coal. 248,424; June 28.
Oliver Relish Company, The, Newark, N. J. Pepper, salad, and celery relish. 247,866; June 28.
Olmstead Corporation, Springfield, Mass. Sanitary belts. 247,562; June 28.
Pacific Guano & Fertilizer Company, The, San Francisco, Calif. Spray for agricultural purposes. 247,204; June 28.
Pantex Pressing Machine, Inc., Pawtucket, R. I. Garment pressing machines and parts thereof. 248,244; June 28.
Perlzweig, Julia, doing business as Julian Products Co., Yonkers, N. Y. Catameniel protectors. 242,853; June 28.
Peters, Jennie, doing business as Sandwich Shop, Fort Worth, Tex. Sandwiches. 227,535; June 28.
Pick, Albert, & Company, Chicago, Ill. China dishes and crockery. 248,439; June 28.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Automotive vehicles. 248,440; June 28.
Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils. 248,321; June 28.
Piqua Hosiery Company, The, Piqua, Ohio. Knitted and textile underwear for men and boys. 244,957; June 28.
Pollard, Mary F., Richmond, Va. Leggings. 243,560; June 28.
Posner, David H., Inc., Boston, Mass. Dress, negligee, and work shirts. 248,924; June 28.
Precision Electric Mfg. Corp., The, Los Angeles, Calif. A and B battery condensers, grid plates, etc., for radio apparatus. 244,885; June 28.
Prep School Publications, Inc., Janesville, Wis. Magazine. 248,925; June 28.
Professional Press, Incorporated, The, Chicago, Ill. Professional appointment books. 249,095; June 28.
Publix Theatres Corporation, New York, N. Y. Coupon books for coupons. 248,927; June 28.
Publix Theatres Corporation, New York, N. Y. Coupon books and coupons. 248,929; June 28.
Purbeck, D. B., & Co., Boston, Mass. Shoe lining. 248,195; June 28.
Purple, John G., doing business as As-roses Mfg. Co., Minneapolis, Minn. Perspiration deodorant. 249,438; June 28.
Puyallup & Sumner Fruit Growers Association, Puyallup, Wash. Canned fruits, berries, and vegetables, jams, jellies, etc. 246,771; June 28.
Queen City Printing Ink Company, The, Cincinnati, Ohio. Printing inks. 246,568; June 28.
Radio Manufacturers' Publishing Company, Chicago, Ill. Periodical. 249,103; June 28.
Radium Research Foundation, Los Angeles, Calif. Medicinal preparation. 247,963; June 28.
Ratty, Mrs. John J., Ventnor, N. J. Cake icing. 247,907; June 28.
Reimers, Gerald H., doing business as G & R Household Chemical Co., Manning, Iowa. Dry cleaner. 232,944; June 28.
Reliable Silk Manufacturing Co., New York, N. Y. Textile fabrics. 241,670; June 28.
Reliable Silk Manufacturing Co., New York, N. Y. Textile fabrics. 243,169; June 28.
Republic Metalware Co., The, Buffalo, N. Y. Dry and liquid measures, measuring cups, and portable liquid tank-wagon measures. 246,776; June 28.
Reyes, B. N., Philadelphia, Pa. Attachment to be secured to the bottoms of doors to prevent drafts. 247,908; June 28.
Rheu-Ci-Tam Medicine Company. (See Svehla, Joseph.)
Roddenbery, Walter B., Cairo, Ga. Table sirup. 248,198; June 28.
Roper, Geo. D., Corporation, Rockford, Ill. Gas ranges, plates, heaters, air and gas mixers, etc. 244,888; June 28.
Ruppel, Frederick H., Los Angeles, Calif. Brick, floor tile, and roof tile. 248,325; June 28.
Russell's Commercial News, Inc., New York, N. Y. Publication. 249,299; June 28.
Salinas Valley Canning Co., Salinas, Calif. Canned fruits and vegetables and dried fruits. 247,971; June 28.
Salmon Exchange, Inc., Astoria, Oreg. Canned salmon. 245,865; June 28.
Sandwich Shop. (See Peters, Jennie.)
Sayer Manufacturing Company, Los Angeles, Calif. Measuring and delivering devices for granular or liquid products. 240,099; June 28.
Sawyer & Murray, Fresno, Calif. Fresh deciduous fruits and grapes, dried fruits, and raisins. 237,475; June 28.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vest, trousers, etc. 248,131; June 28.
Schwartz's Nut Stores, Inc., New York, N. Y. Candies, chocolate, dried and stuffed fruits. 245,809; June 28.
Scott and Fetzer Company, The, Cleveland, Ohio. Aerials for radio receiving sets. 212,832; June 28.
Shelby Oil Products Company, Shelby, Mont. Automobile, furniture, and woodwork polish. 245,662; June 28.
Siegel, F. I., & Son, doing business as Fison Paint Products Company, Union City, N. J. Paints, paste, varnish, lacquer, and paint enamels. 245,109; June 28.
Siltex Company, The. (See Twyman, Raymond B.)
Smalley, John C., Bridgeport, Ala. Medicine for diarrhea. 246,004; June 28.
Smith, D. B., & Company, Inc., Utica, N. Y. Sprayers spray pumps, and powder dusters. 249,242–3; June 28.
Snider, T. A., Preserve Co., The, Chicago, Ill. Canned fruits, vegetables, jams, vinegar, soups, salad dressing, etc. 243,238; June 28.
Southern Plant Growers' Association, The, doing business as Alexander County Nurseries, Empire Plant Company, and The Jefferson Farms, Albany, Ga. Plants for transplanting. 230,130; June 28.
Southwestern Milling Co., Inc., The, New York, N. Y. Wheat flour. 225,492; June 28.
Springfield Leather Products Company, The, Springfield, Ohio. Diaries. 248,332; June 28.
Strossell, Joseph J., Brooklyn, N. Y. Liquid preparation to refresh the face and improve its appearance. 247,500; June 28.
Sunset Petroleum Corporation, Los Angeles, Calif. Motor oils and greases. 248,205; June 28.
Svehla, Joseph, doing business as Rheu-Ci-Tam Medicine Company, St. Louis, Mo. Medicinal compound. 246,939; June 28.
Swartwood-Nelson Paper Co., Minneapolis, Minn. Writing paper. 231,022; June 28.
Swift and Company, Chicago, Ill. Bacon and meat luncheon loaf. 249,245; June 28.
Theonett & Co., Chicago, Ill. Table sauce or dressing used for meats, soups, etc. 235,535; June 28.
Truitt Brothers Incorporated, Binghamton, N. Y. Children's shoes. 208,495; June 28.
Twyman, Raymond B., doing business as The Siltex Company, Chicago, Ill. Chemical for preserving silk hosiery and other silk and artificial-silk textiles and fabrics. 246,242; June 28.
U Chocolate Shoppe. (See Curme, Gilbert E.)
Utility Manufacturing Company, Inc., Baltimore, Md. Bathroom fixtures. 243,568; June 28.
Val Blatz Brewing Company, Milwaukee, Wis. Malt sirup for food purposes. 247,719; June 28.
Virginia May Laboratories. (See Benford, Charles A.)
Wager & Hirsch, Inc., New York, N. Y. Silk piece goods. 243,073; June 28.
Wan, Ziang S., Washington, D. C. Salted nuts. 249,309; June 28.
Warren, Burney S., doing business as B. S. Warren, Druggist, Greenville, N. C. Tonic and laxative. 248,944; June 28.
Weinstein, Hyman, New York, N. Y. Men's suits, overcoats, and topcoats. 246,868; June 28.
Wesley, Otelia, Inc., New York, N. Y. Various toilet preparations. 245,821; June 28.
West Process Pavement Company, Incorporated, Louisville, Ky. Asphaltic paving material. 248,382; June 28.
Westergaard, B., & Co., Brooklyn, N. Y. Bread. 245,308; June 28.

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Western Mint Company, Portland, Oreg. Peppermint oil. 246,942; June 28.
Western Soap & Chemical Co., Los Angeles, Calif. Soap, household, laundry, and hand cleanser. 244,901; June 28.
Wettach, John P., Pittsburgh, Pa. Stair-tread mats. 239,211; June 28.
Whiting and Davis Chain Company, Plainville, Mass. Watch chains, key chains, buckles and belts, bracelets, etc. 240,937; June 28.
Whitman, William, Company, Inc., Boston, Mass. Textile fabrics of wool and cotton. 248,605; June 28.
Wile, M., & Company, Inc., Buffalo, N. Y. Men's suits, overcoats, waistcoats, and trousers. 245,131; June 28.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof, etc. 245,386; June 28.
Wilson-Western Sporting Goods Company, Chicago, Ill. Golf balls. 249,455; June 28.
Winchester Repeating Arms Company, New Haven, Conn. Radiators and condensers for refrigerating systems. 247,921; June 28.
Winorr Canning Company, The, Circleville, Ohio. Canned fruits and vegetables. 248,606; June 28.
Woolen Corporation of America, The, New York, N. Y. Woolen, worsted, cotton piece goods. 248,660; June 28.
Wurlitzer Grand Piano Company, De Kalb, Ill. Grand and upright pianos, player pianos, and piano players. 248,077; June 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Coal Hill Mining Company. 229,473; June 28; Serial No. 244,428; published Apr. 19, 1927.
Coal. Plymouth Coal Company. 229,586; June 28.
Coal, charcoal, coke, and wood. United Fuel & Supply Company. 229,382; June 28; Serial No. 242,634; published Apr. 12, 1927.
Peat moss used for bedding for animals, etc., Form of. Julius Loewith, Inc. 229,518; June 28; Serial No. 231,113; published Apr. 12, 1927.
Pelts, Rabbit. K. P. Button. 229,354; June 28; Serial No. 236,191; published Apr. 12, 1927.
Rubber latex. J. B. Crockett. 229,422; June 28; Serial No. 244,430; published Apr. 19, 1927.
Sawdust and shavings. National Sawdust Co. 229,551; June 28; Serial No. 240,432; published Apr. 19, 1927.
Seed, Lawn and grass. W. G. Scarlett. 229,379; June 28; Serial No. 242,551; published Apr. 19, 1927.
Seeds. I. L. Radwaner Seed Co. 229,426; June 28; Serial No. 244,470; published Apr. 19, 1927.
Soil, Plant. Hyper-Humus Company. 229,497–8; June 28; Serial Nos. 243,214–15; published Apr. 12, 1927.

CLASS 2.

Bags, Paper shopping. R. Brownson & Company. 229,385; June 28; Serial No. 243,845; published Apr. 19, 1927.
Boxes, Folding. National Metal Edge Box Company. 229,460; June 28; Serial No. 237,684; published Apr. 19, 1927.
Cans, pails, boxes, baskets, etc., Oil. Republic Metalware Co. 229,437; June 28; Serial No. 239,427; published Apr. 19, 1927.
Caskets. Merit Hardware Manufacturing Co. 229,366; June 28; Serial No. 241,739; published Apr. 19, 1927.

CLASS 3.

Bag or novelty pocketbook, Hand. L. D. Hall. 229,572; June 28; Serial No. 245,270; published Apr. 12, 1927.
Dog collars, harness, and horse harness. Craftsman Leather Specialty Company. 229,358; June 28; Serial No. 244,055; published Apr. 12, 1927.
Hame straps and harness straps. J. E. Rhoads & Sons. 229,365; June 28; Serial No. 241,672; published Apr. 12, 1927.
Trunks, valises, traveling bags, etc. Raison Sociale les Fils de S. T. Dupont. 229,556; June 28; Serial No. 240,877; published Apr. 12, 1927.

CLASS 4.

Cleaners in paste and liquid form, Dry. Robinette & McLain. 229,394; June 28; Serial No. 244,026; published Apr. 12, 1927.
Compound for cleaning the hands, shaving cream, soap, etc. Leigh Chemist, Inc. 229,447; June 28; Serial No. 241,629; published Apr. 12, 1927.
Oil, Shoe. Theo. Bergman Shoe Manufacturing Co. 229,564; June 28; Serial No. 245,134; published Apr 12, 1927.
Polish, Shoe. International Shoe Polish, Inc. 229,457; June 28; Serial No. 237,814; published Apr. 5, 1927.
Soap. V. de Messimy. 229,491; June 28; Serial No. 244,548; published Apr. 12, 1927.
Soap. Los Angeles Soap Company. 229,360; June 28; Serial No. 244,163; published Apr. 12, 1927.
Soap and soap powder and flakes. Jünger & Gebhardt Akt.-Ges. 229,374; June 28; Serial No. 242,133; published Apr. 19, 1927.
Soap flakes. Citrus Soap Company of California. 229,509; June 28; Serial No. 243,750; published Apr. 12, 1927.
Soap, soap powder, etc. Fitzpatrick Bros. 229,468; June 28; Serial No. 244,922; published Apr. 12, 1927.
Soap, Toilet. Bourjois, Inc. 229,493; June 28; Serial No. 243,130; published Apr. 12, 1927.
Washing powder and soap powder. R. J. Magee. 229,387; June 28; Serial No. 243,866; published Apr. 19, 1927.

CLASS 5.

Glue. National Gum & Mica Company. 229,435; June 28; Serial No. 239,192; published Apr. 12, 1927.

CLASS 6.

Antiseptic balm and oil and shampoo preparation. E. Morris Mfg. Co. 229,425; June 28; Serial No. 244,461; published Apr. 19, 1927.
Antiseptic, germicide, disinfectant, and prophylactic. Scott & Bowne. 229,537; June 28; Serial No. 245,519; published Apr. 19, 1927.
Antitoxins and serums. H. K. Mulford Company. 229,367; June 28; Serial No. 241,784; published Apr. 19, 1927.
Bleaching compositions, etc. Chemische Fabrik Stockhausen & Cie. 229,443–4; June 28; Serial Nos. 228,176–7; published Mar. 22, 1927.
Cadmium plating, etc., Materials for. Udylite Process Company. 229,519; June 28; Serial No. 231,416; published Apr. 19, 1927.
Compound, Healing and deodorizing vaginal bath. D. Morlan. 229,549; June 28; Serial No. 240,147; published Apr. 5, 1927.
Compound in powder form. C. H. Clark. 229,386; June 28; Serial No. 243,847; published Apr. 19, 1927.
Cough mixture. B. F. Sprout. 229,553; June 28; Serial No. 241,247; published Apr. 19, 1927.
Creosote wood preservative. D. L. Crowley. 229,483; June 28; Serial No. 244,671; published Apr. 19, 1927.
Deodorant toilet powder. U. L. Burke. 229,392; June 28; Serial No. 243,995; published Apr. 19, 1927.
Germicidal preparation. S. J. Russell. 229,505; June 28; Serial No. 243,626; published Apr. 19, 1927.
Germicidal solution. P. L. Howe. 229,475; June 28; Serial No. 244,559; published Apr. 19, 1927.
Hairdressing. J. Messina. 229,512; June 28; Serial No. 229,399; published Apr. 19, 1927.
Hair grower, tetter salve, cold cream, etc. M. E. Moore. 229,353; June 28; Serial No. 235,967; published Apr. 19, 1927.
Insect destroyer. Mackie Pine Oil Specialty Co. 229,410; June 28; Serial No. 215,077; published Apr. 19, 1927.
Insecticide. A. P. Thompson. 229,485; June 28; Serial No. 244,730; published Apr. 19, 1927.
Laxative. H. R. Lathrop & Co. Inc. 229,579; June 28; Serial No. 245,402; published Apr. 19, 1927.
Laxative. Massey Brothers. 229,433; June 28; Serial No. 238,796; published Mar. 8, 1927.
Lip stick. R. Hudnut. 229,574; June 28; Serial No. 245,348; published Apr. 19, 1927.
Medicinal chewing gum. Texas Gum Company. 229,478–9; June 28; Serial Nos. 244,634–5; published Apr. 19, 1927.
Medicinal preparation used as a laxative. Van Vlect-Mansfield Drug Co. 229,555; June 28; Serial No. 240,634; published Apr. 19, 1927.
Medicinal preparations for the treatment of amenorrhea. Youngs Rubber Corporation, Inc. 229,525; June 28; Serial No. 234,604; published Apr. 19, 1927.
Medicinal preparations for the treatment of amenorrhea. Youngs Rubber Corporation, Inc. 229,526; June 28; Serial No. 234,606; published Apr. 19, 1927.
Medicine. C. A. Fohrman. 229,476; June 28; Serial No. 244,611; published Apr. 19, 1927.
Ointment. W. E. Rutherford. 229,377; June 28; Serial No. 242,353; published Apr. 19, 1927.
Ointments. Burdg Brothers. 229,364; June 28; Serial No. 244,283; published Apr. 19, 1927.
Perfumes, toilet waters, face powder, etc. S. S. Pierce Co. 229,539; June 28; Serial No. 245,580; published Apr. 19, 1927.
Petroleum jelly, insecticide, olive oil, castor oil, antiseptic, etc. Howell Company. 229,496; June 28; Serial No. 243,213; published Apr. 19, 1927.
Powder for rendering explosive oils nonexplosive. E. E. Jennison. 229,440; June 28; Serial No. 239,753; published Apr. 19, 1927.

Powders and creams, toilet waters, rouges, etc., Face. E. Schultz. 229,407; June 28; Serial No. 212,154; published Apr. 19, 1927.
Preparation for the treatment of asthma and hay fever. G. F. Alexander Co. 229,503; June 28; Serial No. 243,407; published Apr. 19, 1927.
Preparation for the treatment of burns, scalds, sores, etc. C. T. Hendricks. 229,474; June 28; Serial No. 244,302; published Apr. 19, 1927.
Preparation for the treatment of postoperative pain after tooth extraction. D. M. Coney. 229,381; June 28; Serial No. 242,570; published Apr. 19, 1927.
Puncture-sealing composition. Armourite (Laboratories) Ltd. 229,506; June 28; Serial No. 243,638; published Apr. 12, 1927.
Remedies and salves, Eye. Murine Company. 229,492; June 28; Serial No. 242,959; published Apr. 19, 1927.
Remedies for the treatment of the blood, kidneys, and liver. Alonzo O. Bliss Medical Company. 229,534; June 28; Serial No. 245,468; published Apr. 19, 1927.
Remedy for dog distemper. S. K. Skillman. 229,363; June 28; Serial No. 244,245; published Apr. 19, 1927.
Remedy for the treatment of the blood, kidneys, and liver. Alonzo O. Bliss Medical Company. 229,533; June 28; Serial No. 245,466; published Apr. 19, 1927.
Salts, Cadmium Process Company. 229,389; June 28; Serial No. 243,925; published Apr. 19, 1927.
Salve. D. A. Coviello. 229,459; June 28; Serial No. 237,726; published Apr. 19, 1927.
Salve. P. M. Verstynen. 229,398; June 28; Serial No. 244,896; published Apr. 19, 1927.
Sealing compounds, mixtures, and materials for radiators and the like. W. C. Jones. 229,471; June 28; Serial No. 244,403; published Apr. 19, 1927.
Soda ash, etc. J. B. Ford Company. 229,416; June 28; Serial No. 225,405; published Apr. 19, 1927.
Soot cleaner. Kilsoot Chemical Co. 229,355; June 28; Serial No. 243,814; published Apr. 19, 1927.
Specific for parasites infesting the human hair. W. H. S. Laboratories. 229,500; June 28; Serial No. 243,330; published Apr. 19, 1927.
Toilet preparations. Louray Company. 229,504; June 28; Serial No. 243,613; published Apr. 19, 1927.
Toilet preparations. Chas. A. Stevens & Bros. 229,513; June 28; Serial No. 229,476; published Apr. 19, 1927.
Toilet preparations, Antiseptic. Parfymeri F. Pauli A/B. 229,436; June 28; Serial No. 239,315; published Apr. 19, 1927.
Tonic, hairdressing, and eau de quinine, Hair. Odell Company. 229,378; June 28; Serial No. 242,495; published Apr. 19, 1927.
Tooth powders. F. Brookfield Slater. 229,428; June 28; Serial No. 244,516; published Apr. 19, 1927.
Water-soluble preparations containing cell-building protein substances. J. A. Von Wölfing. 229,567; June 28; Serial No. 245,171; published Apr. 19, 1927.

CLASS 9.

Pistol caps. M. Backes' Sons, Inc. 229,538; June 28; Serial No. 245,530; published Apr. 19, 1927.

CLASS 10.

Fertilizers. I. G. Farbenindustrie Aktiengesellschaft. 229,450–1; June 28; Serial Nos. 241,658–9; published Apr. 19, 1927.
Fertilizing materials. Otto Wittbold Nursery. 229,570; June 28; Serial No. 245,238; published Apr. 19, 1927.

CLASS 12.

Asphalt. J. J. Flannery. 229,419; June 28; Serial No. 226,643; published Apr. 19, 1927.
Board and lumber, Composite. MacAndrews & Forbes Company. 229,491; June 28; Serial No. 242,840; published Apr. 12, 1927.
Cement. Petoskey Portland Cement Co. 229,510; June 28; Serial No. 243,775; published Apr. 19, 1927.
Cement, Portland. Universal Portland Cement Co. 229,458; June 28; Serial No. 237,934; published Apr. 19, 1927.
Construction and insulating purposes, Composition material for. Universal Gypsum Company. 229,515; June 28; Serial No. 229,835; published June 29, 1926.
Pavement, Bituminous macadam. Amiesite Asphalt Limited. 229,557; June 28; Serial No. 241,021; published Apr. 12, 1927.
Sheet-steel ceilings and eaves troughs. Bayonne Steel Company. 229,439; June 28; Serial No. 239,962; published Apr. 12, 1927.

CLASS 13.

Dishes, boilers for cooking foods, cake pans, etc., Baking. Aluminum Goods Manufacturing Co. 229,399; June 28; Serial No. 244,909; published Apr. 19, 1927.
Fixtures, valves, etc., Shampooing. Street & Kent Mfg. Company. 229,449; June 28; Serial No. 241,642; published Apr. 19, 1927.
Racks, foot baths, dish pans, sink strainers, etc., Pot-cover-display. Republic Metalware Co. 229,438; June 28; Serial No. 239,428; published Apr. 19, 1927.
Screens, Wire cloth for. Hanover Wire Cloth Co. 229,465–7; June 28; Serial Nos. 244,930–32; published Apr. 19, 1927.

CLASS 14.

Casting, Ferrous. West Steel Casting Company. 229,559; June 28; Serial No. 241,249; published Apr. 12, 1927.
Castings, Ferrous. West Steel Casting Company. 229,580; June 28; Serial No. 241,250; published Apr. 12, 1927.
Castings, Ferrous. West Steel Casting Company. 229,581; June 28; Serial No. 241,456; published Apr. 12, 1927.

CLASS 16.

Lacquers. Morgan Company. 229,566; June 28; Serial No. 245,155; published Apr. 12, 1927.
Lead, White. Carter White Lead Company. 229,370; June 28; Serial No. 241,866; published Apr. 12, 1927.
Paint and paint enamel. Wadsworth Howland & Co. 229,368; June 28; Serial No. 241,799; published Apr. 12, 1927.
Paint, Mixed. J. F. Kurfees Paint Company. 229,489–90; June 28; Serial Nos. 244,829–30; published Apr. 12, 1927.
Paints. Elco Paint Products, Inc. 229,456; June 28; Serial No. 238,257; published Apr. 12, 1927.
Paints. Super Paint & Varnish Company. 229,418; June 28; Serial No. 226,574; published Apr. 12, 1927.
Paints, varnishes, enamels, etc. T. H. Downward. 229,403; June 28; Serial No. 195,222; published Apr. 12, 1927.

CLASS 17.

Cigars. Z. Goodman. 229,543; June 28; Serial No. 245,628; published Apr. 19, 1927.
Tobacco, Chewing and smoking. C. G. Rangos. 229,540; June 28; Serial No. 245,583; published Apr. 19, 1927.

CLASS 19.

Airplanes. Pitcairn Aircraft, Inc. 229,395–6; June 28; Serial Nos. 244,883–4; published Apr. 19, 1927.
Automobiles and constructive parts thereof. Elysee Delivery de Luxe Corporation. 229,454; June 28; Serial No. 238,311; published Apr. 19, 1927.
Bicycles. Excelsior Cycle Company. 229,406; June 28; Serial No. 208,847; published Apr. 19, 1927.
Couplers. National Malleable and Steel Castings Company. 229,573; June 28; Serial No. 245,285; published Apr. 19, 1927.

CLASS 21.

Headlights for automotive vehicles, Electric. W. D. Ryan. 229,585; June 28.

CLASS 22.

Bait, Fish. P. Lubetich. 229,393; June 28; Serial No. 244,018; published Apr. 19, 1927.

CLASS 23.

Bit braces, auger bits, screw clamps, figure dies, etc. Central Scientific Company. 229,408; June 28; Serial No. 213,000; published Mar. 8, 1927.
Engines, Aeronautical. Wright Aeronautical Corporation. 229,383; June 28; Serial No. 242,763; published Apr. 19, 1927.
Fire-extinguishing apparatus, Portable hand. Knight & Thomas, Inc. 229,424; June 28; Serial No. 244,450; published Apr. 19, 1927.
Machine used in the manufacture of sodium hypochloride solution. Valhalla Company. 229,531; June 28; Serial No. 245,461; published Apr. 19, 1927.
Pistons. Accuralite Company. 229,441; June 28; Serial No. 239,731; published Apr. 19, 1927.
Planters, guano distributors, etc., Cotton. Gantt Manufacturing Company. 229,528; June 28; Serial No. 235,643; published Apr. 19, 1927.
Pumps, battery connecter drills, and automobile band adjusters, Automobile oil. G. L. Cunningham. 229,461; June 28; Serial No. 237,494; published Apr. 19, 1927.
Sugar-mill imbibition devices. Farrel Foundry & Machine Company. 229,577; June 28; Serial No. 245,393; published Apr. 19, 1927.
Typewriting machines and parts thereof. Rheinische Metallwaaren- und Maschinenfabrik. 229,446; June 28; Serial No. 241,498; published Apr. 19, 1927.
Wrench sets, socket-wrench sets, etc., Nut. Indestro Mfg. Co. 229,445; June 28; Serial No. 228,653; published Apr. 19, 1927.

CLASS 25.

Safes, Wall. Murphy Door Bed Company of Chicago. 229,514; June 28; Serial No. 229,808; published Apr. 19, 1927.

CLASS 26.

Adding, calculating, multiplying, and computing machines. P. Bialik. 229,359; June 28; Serial No. 244,129; published Apr. 19, 1927.
Adjacent and remote automatic production machinery and comprising mechanism, Control apparatus for. Electric Production Appliance Corp. 229,464; June 28; Serial No. 237,227; published Apr. 19, 1927.

CLASS 29.

Brushes. Du Pont Viscoloid Company. 229,488; June 28; Serial No. 244,820; published Apr. 19, 1927.
Brushes. A. W. Hahn. 229,578; June 28; Serial No. 245,395; published Apr. 19, 1927.
Toothbrushes. P. B. T. Williams. 229,576; June 28; Serial No. 245,388; published Apr. 19, 1927.

CLASS 32.

Beds, cots, couches, and cribs. Montauk Bed Co. Inc. 229,527; June 28; Serial No. 234,789; published Apr. 19, 1927.
Furniture. Oneidacraft, Inc. 229,455; June 28; Serial No. 238,133; published Apr. 19, 1927.

CLASS 34.

Stoves and ranges, Wood, coal, gas, oil, and vapor. American Range Corporation. 229,568; June 28; Serial No. 245,182; published Apr. 19, 1927.

CLASS 35.

Belts, Machinery-driving. James Hendry Limited. 229,397; June 28; Serial No. 244,870; published Apr. 19, 1927.

CLASS 38.

Cartoons, Title for. New York Evening Post Inc. 229,357; June 28; Serial No. 243,822; published Apr. 19, 1927.
Newspaper. Glendale Shopping News. 229,501; June 28; Serial No. 243,358; published Apr. 19, 1927.
Newspaper. H. W. McGuire. 229,502; June 28; Serial No. 243,384; published Apr. 19, 1927.
Newspaper. Nowy Swiat Publishing Company Inc. 229,494; June 28; Serial No. 243,166; published Apr. 19, 1927.
Newspaper columns, etc., Nom de plume for. Kaufmann & Baer Company. 229,402; June 28; Serial No. 192,624; published Mar. 22, 1927.
Periodical. Referee Publishing Co. 229,469; June 28; Serial No. 244,320; published Apr. 19, 1927.
Periodicals. Chicago Bridge & Iron Works. 229,520; June 28; Serial No. 231,903; published Apr. 19, 1927.
Publication. W. H. Cousins. 229,373; June 28; Serial No. 242,097; published Apr. 12, 1927.
Publication. National Register Publishing Co. 229,507; June 28; Serial No. 243,659; published Apr. 19, 1927.
Publication. J. Henry Schroder Banking Corporation. 229,448; June 28; Serial No. 241,637; published Apr. 12, 1927.
Publications. Austin Flint Association, Inc. 229,487; June 28; Serial No. 244,737; published Apr. 12, 1927.

CLASS 42.

Comforts. Clifford W. Maish Bedding Company. 229,421; June 28; Serial No. 227,803; published Apr. 12, 1927.
Cotton piece goods. J. L. Stifel & Sons. 229,542; June 28; Serial No. 245,593; published Apr. 19, 1927.
Handkerchiefs. Sullivan Smythfield Company. 229,547; June 28; Serial No. 245,813; published Apr. 19, 1927.
Rugs, Textile. Kent-Costikyan Trading Company. 229,545; June 28; Serial No. 245,724; published Apr. 19, 1927.
Rugs, Wool. Waite Carpet Co. 229,375; June 28; Serial No. 242,159; published Apr. 19, 1927.
Serges in the piece. R. Snitzer. 229,404; June 28; Serial No. 203,760; published Apr. 19, 1927.
Silk piece goods. Haytock-Cronemeyer Co. 229,544; June 28; Serial No. 245,640; published Apr. 19, 1927.
Textile fabrics. Duplan Silk Corporation. 229,423; June 28; Serial No. 244,433; published Apr. 19, 1927.
Voile in the piece, Cotton. Marshall Field & Company. 229,412; June 28; Serial No. 218,625; published Dec. 1, 1925.
Woven, knitted, netted, and textile fabrics in the piece. American Cellulose & Chemical Manufacturing Company. 229,356; June 28; Serial No. 243,838; published Apr. 19, 1927.

CLASS 43.

Thread. Gardiner Hall Jr. Company. 229,560–1; June 28; Serial Nos. 245,001–2; published Apr. 19, 1927.
Thread. Gardiner Hall Jr. Company. 229,562; June 28; Serial No. 245,005; published Apr. 19, 1927.
Yarn, Rayon, Viscose Company. 229,532; June 28; Serial No. 245,462; published Apr. 19, 1927.

CLASS 44.

Electromagnetic therapeutical coils. A. J. C. Bernard. 229,553; June 28; Serial No. 240,520; published Apr. 19, 1927.
Electrotherapeutic belt. S. Leppert. 229,565; June 28; Serial No. 245,151; published Apr. 12, 1927.
Medicine droppers. Walter F. Ware Company. 229,529; June 28; Serial No. 244,258; published Apr. 26, 1927.
Paper wadding. Hoberg Paper & Fibre Company. 229,517; June 28; Serial No. 230,295; published May 25, 1926.
Presses and flasks. Ohio Chemical and Manufacturing Company. 229,524; June 28; Serial No. 234,592; published Apr. 12, 1927.
Viscous composition matter for coating dental plaster casts. D. B. Butchers. 229,376; June 28; Serial No. 242,277; published Apr. 12, 1927.

CLASS 45.

Beverages. Drewrys Limited. 229,453; June 28; Serial No. 238,643; published Apr. 19, 1927.
Beverages. S. D. Lefas. 229,384; June 28; Serial No. 242,788; published Apr. 12, 1927.
Beverages. Westchester Bottling Works. 229,563; June 28; Serial No. 245,125; published Apr. 19, 1927.
Beverages and sirups. Coca-Cola Company. 229,380; June 28; Serial No. 242,569; published Apr. 19, 1927.
Beverages and sirups for making the same. Mavis Corporation. 229,470; June 28; Serial No. 244,360; published Apr. 19, 1927.
Beverages sold as soft drinks and sirups for making the same. M. J. Kraft. 229,536; June 28; Serial No. 245,500; published Apr. 19, 1927.
Extracts and flavors for soft drinks. Hagen-Becker Company. 229,432; June 28; Serial No. 244,558; published Apr. 19, 1927.
Ginger ale. Curran & Joyce Co. 229,535; June 28; Serial No. 245,477; published Apr. 19, 1927.
Ginger ale. Natural Dry Ginger Ale Corp. 229,552; June 28; Serial No. 240,4[illegible]; published Apr. 19, 1927.

CLASS 46.

Bacon. E. M. Todd Co. 229,411; June 28; Serial No. 216,238; published Apr. 19, 1927.
Bread. Manor Baking Company. 229,388; June 28; Serial No. 243,869; published Apr. 12, 1927.
Cakes, bread, cookies, crackers, etc. Purity-Ann Baking Company. 229,569; June 28; Serial No. 245,225; published Apr. 12, 1927.
Candy. Corn Products Refining Company. 229,401; June 28; Serial No. 244,289; published Apr. 19, 1927.
Candy. Health-Sweets Company. 229,584; June 28.
Candy. Royal Candy Company. 229,530; June 28; Serial No. 245,453; published Apr. 19, 1927.
Candy, chocolate, cocoa, etc. J. G. McDonald Chocolate Co. 229,554; June 28; Serial No. 240,613; published Apr. 5, 1927.
Canned and preserved meats, meat paste, cheese, etc. Fred Walker & Co. Proprietary Limited. 229,413; June 28; Serial No. 221,881; published Feb. 15, 1927.
Canned fruit, jams, jellies, fruit preserves, canned fish, vegetables, vinegar, etc. Pacific Coast Canners, Inc. 229,371; June 28; Serial No. 241,898; published Apr. 12, 1927.
Canned fruits. Wenatchee Packing Corporation. 229,582; June 28.
Canned fruits, vegetables, pork and beans, salmon, coffee, tea, cheese, etc. John Sexton and Company. 229,516; June 28; Serial No. 230,266; published Apr. 5, 1927.
Canned olives. Albers Packing Company. 229,486; June 28; Serial No. 244,735; published Apr. 12, 1927.
Canned razor clams. N. E. Willis. 229,429; June 28; Serial No. 244,525; published Apr. 19, 1927.
Canned vegetables. Carroon & Co. 229,480–2; June 28; Serial Nos. 244,656–8; published Apr. 19, 1927.
Catchup, relishes, pickles, onions, vinegar, sirup, etc. California Supply Company. 229,420; June 28; Serial No. 227,056; published Apr. 12, 1927.
Chocolate malted milk drink. C. V. Davis. 229,414; June 28; Serial No. 222,223; published Jan. 26, 1926.
Chocolate nut bars. Doerr Bros. Co. 229,587; June 28.
Coffee. Diamond Coffee Mills, Inc. 229,372; June 28; Serial No. 242,046; published Apr. 19, 1927.
Coffee. Albert Ehlers, Inc. 229,405; June 28; Serial No. 208,798; published Apr. 6, 1926.
Coffee. Albert Ehlers, Inc. 229,583; June 28.
Coffee. Fletcher-Wilson Coffee Co. 229,571; June 28; Serial No. 245,262; published Apr. 19, 1927.
Coffee. San Antonio Coffee Co. 229,484; June 28; Serial 244,722; published Apr. 19, 1927.
Dates, figs, citron, ginger, etc. Black Palm, Inc. 229,522–3; June 28; Serial Nos. 233,165–6; published Apr. 5, 1927.
Fish, Preserved. Antonio Alonso Illjos. 229,511; June 28; Serial No. 229,019; published Oct. 19, 1926.
Flavoring. David Michael & Co. 229,361; June 28; Serial No. 244,172; published Apr. 5, 1927.
Flour, Rye. Fisher & Fallgatter. 229,521; June 28; Serial No. 232,458; published Mar. 8, 1927.
Fruits and fresh vegetables, Fresh citrous. Southern Fruit Distributors, Inc. 229,541; June 28; Serial No. 245,587; published Apr. 19, 1927.
Ice cream. National Ice Cream Company. 229,427; June 28; Serial No. 244,510; published Apr. 12, 1927.
Jams, jellies, fruit butters, canned fruits and vegetables. Pacific Northwest Canning Company. 229,548; June 28; Serial No. 240,088; published Apr. 19, 1927.
Lards, butter, hams, bacon, sausage, etc. Wm. Schluderberg-T. J. Kurdle Co. 229,442; June 28; Serial No. 239,681; published Apr. 5, 1927.
Oil, Salad. A. Corras. 229,409; June 28; Serial No. 213,008; published Feb. 23, 1926.
Oils, Olive. Comptoirs Pichot & Rennecon. 229,430; June 28; Serial No. 244,545; published Apr. 12, 1927.
Oleomargarine and lard. St. Louis Independent Packing Company. 229,417; June 28; Serial No. 226,173; published Apr. 5, 1927.
Pickle relish. Ackerman and Company. 229,495; June 28; Serial No. 243,185; published Apr. 5, 1927.
Potatoes. Zuckerman Brothers. 229,452; June 28; Serial No. 236,979; published Apr. 19, 1927.
Raisins and grapes, Preserved and canned. Rubyette Co. 229,575; June 28; Serial No. 245,373; published Apr. 19, 1927.
Sauerkraut. Clyde Kraut Company. 229,472; June 28; Serial No. 244,427; published Apr. 19, 1927.
Sirup, maple sirup, Spanish olives, etc., Red-raspberry. Clark, Chapin & Bushnell, Inc. 229,415; June 28; Serial No. 222,663; published Aug. 17, 1926.

Vegetable relish. C. Gaffney. 229,362; June 28; Serial No. 244,226; published Apr. 12, 1927.
Vegetables, cantaloupes, and fresh deciduous fruits, Fresh. Chas. H. Jandt Packing Co. 229,434; June 28; Serial No. 238,908; published Apr. 19, 1927.
Vinegar. P. F. De Fatta. 229,400; June 28; Serial No. 244,919; published Apr. 12, 1927.

CLASS 47.

Wines, Champagne. Lanson Pere & Fils (Societe a Responsabilite Limitee). 229,546; June 28; Serial No. 245,732; published Apr. 19, 1927.

CLASS 48.

Malt sirup. Madison Malt Extract Company. 229,477; June 28; Serial No. 244,618; published Apr. 19, 1927.
Malt sirup. A. C. Taylor. 229,462–63; June 28; Serial Nos. 237,295–6; published Apr. 19, 1927.

CLASS 50.

Floor coverings including hair rug cushions, hair carpet lining, and hair stair pads. Densten Felt and Hair Company. 229,390; June 28; Serial No. 243,930; published Apr. 19, 1927.
Foliage for decorative purposes, Prepared. D. S. Anderson. 229,499; June 28; Serial No. 243,303; published Apr. 12, 1927.
Fountains, poultry. American Steel Products Co. 229,508; June 28; Serial No. 243,742; published Apr. 12, 1927.
Shoe forms. Shoe Form Co. 229,550; June 28; Serial No. 240,220; published Apr. 19, 1927.
Waterproof fabric and waterproof cotton duck. Wm. E. Hooper & Sons Co. 229,391; June 28; Serial No. 243,949; published Apr. 12, 1927.
Water-repellent, mildew-resistant fabric. C. A. Boyle & Co. 229,369; June 28; Serial No. 241,807; published Apr. 12, 1927.

ALPHABETICAL LIST OF LABELS.

American Beauty. For Mirrors. Louis Bierfeld Company. 32,339; June 28.
Apricoating The Baker's Favorite Apricot-Glace. For Coatings for Pastries, Fruit Tarts, Cakes, Creams, Meringues, etc. Adolf J. Mainzer, Inc. 32,358; June 28.
Black Bear Auto Top Enamel. For Automobile Top Enamel. H. E. Dickinson. 32,347; June 28.
Brighten-Up. For Washing Powder. Poland Soap Works. 32,364; June 28.
Cherry Cocktail. For a Chocolate Bottle. Just Born, Inc. 32,341; June 28.
Clinco, The Magical Cleaner. For Magical Cleaner. Clinco Laboratories, Inc. 32,345; June 28.
Diamond Brand. For Barley Malt Extract Sirup. A. Yeager. 32,367; June 28.
El-Morro. For Fresh Pineapples. Havana Fruit Company. 32,355; June 28.
El Toro Club Mild Quality Enchiladas. For El Toro Club Mild-Quality Enchiladas. El Toro Tamale & Enchilada Co. 32,348; June 28.
Falk's The Original Kamfor Kreme. An Antiseptic and Healing Lotion for the Skin. For a Preparation for the Skin. Falk Corporation. 32,349; June 28.
Florescence Concentrated Cocoanut Champoo. For Packaged Cakes of Solidified Shampoo. F. C. Slagle. 32,365; June 28.
Fly-Sol. For Insecticides. Blackstone Manufacturing Company. 32,340; June 28.
Hollywood. For Hosiery. Harrington and Waring. 32,354; June 28.
Jinks. For Candy. Wm. M. Hardie Co. 32,353; June 28.
Morrell's Pure Lard. For Lard. John Morrell & Co. 32,361; June 28.
No-Puncture-Leak. For a Compound for Stopping Air Leaks from Automobile Tires. No-Puncture Leak Co. 32,362; June 28.
1 Wite-Wood. For Envelopes. Groveton Paper Company. 32,351; June 28.
Oriental. For Package Coffee. Hanley & Kinsella Coffee & Spice Company. 32,352; June 28.
Peters Jel-E-Etts. For Candies. H. J. Peters. 32,363; June 28.
Premium. For Bread. G. J. Yentzen. 32,368; June 28.
Quality Queen. For Candy. Chicky Manufacturing Co. 32,344; June 28.
Ray-Dex. For Radium Healing Stone. S. B. Dexter. 32,346; June 28.
Rose's Hair Tint. For Hair Tint. R. M. Glancy. 32,350; June 28.
Softo. For Water Softeners. La France Manufacturing Company. 32,357; June 28.
Stick-tite Stickers. For Stickers. Moore-Langen Printing & Publishing Co. 32,360; June 28.
Sunrise Eggs. For Eggs. Menasha Printing and Carton Company. 32,359; June 28.
Texasphaltic Auto Top Dressing. For Auto Top Dressing. G. S. Bowdish. 32,342; June 28.
Texasphaltic (Under) Fender & Chassis Paint. For Fender and Chassis Paint. G. S. Bowdish. 32,343; June 28.
The German Chemist Eczema Salve. For a Salve. W. J. Jones. 32,356; June 28.
Wheat-Elité. For Prepared Cereals. Wheat-O-Mine Co. 32,366; June 28.

ALPHABETICAL LIST OF PRINTS.

A Candy Specialty Made For Gracious Giving. For Candy. Norris, Inc. 10,001; June 28.
Again Before 3,000,000 Buyers of the 'Post.' For Automobile Lamps. Indiana Lamp Corporation. 9,994; June 28.
Alpine Evaporated Milk—Better Breads and Cakes. For Evaporated Milk and Condensed Milk. Nestle's Food Company. 9,997; June 28.
Alpine Evaporated Milk—More Economical. For Evaporated Milk and Condensed Milk. Nestle's Food Company. 10,000; June 28.
Alpine Evaporated Milk—So Delicious. For Evaporated Milk and Condensed Milk. Nestle's Food Company. 9,998; June 28.
Alpine Evaporated Milk—There's Cream in Every Drop. For Evaporated Milk and Condensed Milk. Nestle's Food Company. 9,999; June 28.
As if Tailored to Your Measure. For Athletic Underwear. B. V. D. Company. 9,989; June 28.
Avoid Hit-Or-Miss Brushing Pro-phy-lac-tic is Designed to Reach and Clean All Your Teeth. For Prophylactic Toothbrushes. Prophylactic Brush Company. 10,003; June 28.
Certified Heating Assures Comfort. For Heating Apparatus. Heating and Piping Contractors National Association. 9,993; June 28.
Cool and Convenient. For Athletic Underwear. B. V. D. Company. 9,990; June 28.
Exclusive Crotch Comfort. For Athletic Underwear. B. V. D. Company. 9,992; June 28.
Front Teeth—Back Teeth All Are Smiling When You Use Pro-phy-lac-tic. For Prophylactic Toothbrushes. Prophylactic Brush Company. 10,002; June 28.
Get All This Rare Comfort. For Athletic Underwear. B. V. D. Company. 9,991; June 28.
Jigging Conveyor Eickhoff. For Conveyers. R. A. Walter. 10,009; June 28.
John Henry Stores, Inc. J H S Service. For Carpets. John Henry Stores, Inc. 10,006; June 28.
National Tire Stores, Incorporated—The Sign of Good Tires. For Tires. National Tire Stores, Incorporated. 9,996; June 28.
No Pulling of Undershirts Over Heads. For Athletic Underwear. B. V. D. Company. 9,986; June 28.
Now! A Furniture Polish That Leaves No Greasy Film. For Liquid Veneer. Liquid Veneer Corp. 9,995; June 28.
One Way Only. For Athletic Underwear. B. V. D. Company. 9,987; June 28.
Super Glow Rayon Fabrics. For Rayon Materials (Textile Fabrics). Henry Rosenzweig & Co. 10,005; June 28.
The Custom Built Coated Fabric. For Substitute-Leather Fabric. Textileleather Co. Inc. 10,007; June 28.
The Eickhoff Jigging Conveyor—Takes The Grunt Out of Mining. For Conveyers. R. A. Walter. 10,008; June 28.
The Emerald Choker Necklace and the Emerald Bracelet. For Jewelry. Black, Starr & Frost. 9,985; June 28.
The Story of the Knife No. 3. For Silverware. Reed & Barton. 10,004; June 28.
What do the Letters Stand For? For Athletic Underwear. B. V. D. Company. 9,988; June 28.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Old Ben Coal Corporation. 248,424; June 28.
Fabric impregnated with a stiffening substance. Celastic Corporation. 230,085; June 28.
Plants for transplanting. Southern Plant Growers' Association. 230,130; June 28.
Splined box ends for shipping boxes, crates, etc. Daniels & Schuck, Inc. 247,933; June 28.

CLASS 2.

Boxes for shipping, Chick. Anderson Box Company. 238,243; June 28.

CLASS 4.

Dry cleaner. G. H. Reimers. 232,944; June 28.
Dry-cleaning fluid. H. D. Kampf, Inc. 242,134; June 28.
Metal polish. Magnetic Polish Company. 246,694; June 28.
Soap, household, laundry, and hand cleanser. Western Soap & Chemical Co. 244,901; June 28.

CLASS 6.

Chemical for preserving silk hosiery, etc. R. B. Twyman. 246,242; June 28.
Compounds for processing pure silk. E. F. Houghton & Co. 248,571; June 28.
Cream, vanishing cream, scalp balm, oil and cream shampoo, hair tonic, etc., Cold. A. C. Manganiello. 247,621; June 28.
Dental pad or poultice. Capsi-Pad Co. 248,345; June 28.
Deodorant, Perspiration. J. G. Purple. 249,438; June 28.
Disinfectants and insecticides. Baird & McGuire, Inc. 249,147; June 28.
Disinfectants, deodorants, etc. A. Brick. 243,747; June 28.
Dyes and dyestuffs, etc. Chemische Fabrik Stockhausen & Cie. 228,174; June 28.
Laxative chewing gum. E-Z Health Laboratories. 236,677; June 28.
Liquid preparation. C. A. Benford. 247,308; June 28.
Liquid preparation. J. J. Stroasell. 247,500; June 28.
Lubricant and dye penetrant for all kinds of textile materials. H. & B. Textile Chemical Corporation. 249,167; June 28.
Medicinal compound. J. Svehla. 246,939; June 28.
Medicinal preparation. Radium Research Foundation. 247,963; June 28.
Medicine. Bishop and Bishop. 242,703; June 28.
Medicine. A. L. Breeding. 243,528; June 28.
Medicine for diarrhea. J. C. Smalley. 246,004; June 28.
Medicine or a pharmaceutical preparation. Eli Lilly and Company. 249,279; June 28.
Oil. Peppermint. Western Mint Company. 246,942; June 28.
Perfume, toilet water, hair tonic, etc. Karlsruher Parfumerie- und Toilettenseifen-Fabric F. Wolff & Sohn Gesellschaft mit beschränkter Haftung. 220,721; June 28.
Perfumes. A. Martory. 248,110; June 28.
Preparation in powdered form used as a disinfectant and deodorant. Lactein Company. 248,305; June 28.
Salve for cuts, burns, boils, etc., Healing. M. J. Lynch. 248,851; June 28.
Salves. P. Frisbie. 246,399; June 28.
Spray for agricultural purposes. Pacific Guano & Fertilizer Company. 247,204; June 28.
Tablets and powders, Headache. Nox-An-Ake Co. 247,813; June 28.
Toilet preparations. Clarks Products Inc. 246,740; June 28.
Toilet preparations, Various. Otella Wesley, Inc. 245,821; June 28.
Toilet water, perfumes, bay rum, alcohol rub, hair tonics, etc. Cheatham Chemical Company. 248,220; June 28.
Tonic and laxative. B. S. Warren. 248,944; June 28.

CLASS 8.

Ash tray, cigarette holder, and match holder, Combination. S. T. Jessop Co. 249,427; June 28.

CLASS 9.

Firecrackers. American Finance and Commerce Co. 249,400–2; June 28.

CLASS 11.

Inks, Printing. Queen City Printing Ink Company. 246,568; June 28.

CLASS 12.

Brick, floor tile, and roof tile. F. H. Ruppel. 248,325; June 28.
Cement-controlling chemical preparations, Oil-field. Master Builders Company. 238,447; June 28.
Paving material, Asphaltic. West Process Pavement Company. 248,382; June 28.

Tile, Glass. Boyd and Hutter Tile Company. 246,461; June 28.

CLASS 13.

Attachment to be secured to the bottoms of doors to prevent drafts. B. N. Reyes. 247,908; June 28.
Fixtures, Bathroom. Utility Manufacturing Company Inc. 243,568; June 28.
Governors, gate gas valves, etc., Street. Isbell-Porter Co. 224,409; June 28.
Metal pipe. A. M. Byers Company. 204,496; June 28.
Pipes of nonferrous metal. Mueller Brass Co. 237,276; June 28.

CLASS 14.

Die-casting metal and die castings. Doehler Die-Casting Co. 248,399; June 28.

CLASS 15.

Gasoline. Bear State Oil Co. 244,973; June 28.
Gasoline, engine and motor oil, gear oil and grease. C. W. Epley. 229,671; June 28.
Lubricants. Keystone Lubricating Company. 247,133; June 28.
Oils and greases, Motor. Sunset Petroleum Corporation. 248,205; June 28.
Oils, Lubricating. Pierce Petroleum Corporation. 248,321; June 28.

CLASS 16.

Carbon black. Binney & Smith Company. 238,036; June 28.
Lacquers, varnishes, and paint enamels. Jones-Dabney Company. 247,480; June 28.
Paints, paste, varnish, lacquer, and paint enamels. F. I. Siegel & Son. 245,109; June 28.
Polish, Automobile, furniture, and woodwork. Shelby Oil Products Company. 245,662; June 28.
Polish for furniture and automobiles. Flato's Inc. 248,403; June 28.

CLASS 19.

Automobile trucks and removable bodies therefor. Motor Terminals Company. 240,428; June 28.
Automotive vehicles. Pierce-Arrow Motor Car Company. 248,440; June 28.
Car brakes, Mechanism for manual operation of railway. Ajax Hand Brake Company. 230,270; June 28.
Trucks, Motor. International Motor Company. 247,860; June 28.

CLASS 20.

Oiled cloth. Columbus-Union Oil Cloth Co. 213,891–2; June 28.

CLASS 21.

Aerials. Scott and Fetzer Company. 212,832; June 28.
Batteries and parts thereof, etc., Storage. Willard Storage Battery Company. 245,386; June 28.
Cigar lighters and trouble lamps, Electric. Connecticut Automotive Specialties Company. 246,597; June 28.
Electric motors. Knapp Electric Corporation. 245,058; June 28.
Electric switches, Electrically-actuated control for. Federal Gauge Company. 246,894; June 28.
Radio apparatus. Precision Electric Mfg. Corp. 244,885; June 28.

CLASS 22.

Dolls. Averill Manufacturing Corp. 246,948; June 28.
Golf balls. Wilson-Western Sporting Goods Company. 249,455; June 28.
Tennis rackets, Gut string for. National Gut String Mfg. Co. 247,557; June 28.

CLASS 23.

Bearings and parts thereof, Antifriction. New Departure Manufacturing Company. 249,234; June 28.
Equipment for sealing leaks in metal containers. Furmanite Corporation. 247,180; June 28.
Feeds, card breasts, cloth washers, etc., Automatic. James Hunter Machine Company. 245,990; June 28.
Metal advertising device. J. Kuhn. 244,504; June 28.
Molds for making concrete burial vaults. Norwalk Vault Company. 248,187; June 28.
Oil-well drives and counterweighted disks on the drive. Link-Belt Company. 249,076; June 28.
Plows, Cast-iron parts of. M. Cail. 244,981; June 28.
Protectors, and certifiers, Mechanical check. Hedman Manufacturing Company. 248,040; June 28.
Pump, Hydraulic lift and force. F. W. Hoffman & Company. 245,211; June 28.
Pumps. Dayton Pump & Manufacturing Company. 247,934; June 28.
Razor blades, Safety-. Apex Razor Blade Corporation. 249,035; June 28.
Sprayers, spray pumps, and powder dusters. D. B. Smith & Company. 249,242–3; June 28.

Water-softening apparatus. Dayton Pump & Manufacturing Company. 248,092; June 28.
Water-softening apparatus. Dayton Pump & Manufacturing Company. 248,395; June 28.

CLASS 24.

Pressing machines and parts thereof, Garment-. Pantex Pressing Machine, Inc. 248,244; June 28.

CLASS 26.

Hydrometers. W. T. Grant Company. 249,002; June 28.
Measures, measuring cups, etc., Dry and liquid. Republic Metalware Co. 246,776; June 28.
Measuring and delivering devices for granular or liquid products. Saver Manufacturing Company. 249,099; June 28.
Photographic apparatus. Ed. Kanitz & Co., Aktiengesellschaft, Wien. 239,371; June 28.

CLASS 28.

Fraternity pins, badges, charms, finger rings, etc. Acacia Fraternity. 244,734; June 28.
Fraternity pins, badges, lapel buttons, cuff links, charms, etc. Kappa Alpha Order. 245,056; June 28.
Rings, bar pins, bracelets, brooches, etc., Finger. Katz & Ogush, Inc. 244,079; June 28.
Watch chains, key chains, buckles and belts, bracelets, etc. Whiting and Davis Chain Company. 240,937; June 28.

CLASS 29.

Mops, Floor. Delphos Mop Company. 249,216; June 28.

CLASS 30.

China dishes and crockery. Albert Pick & Company. 248,439; June 28.

CLASS 31.

Refrigerating systems, Radiators and condensers for. Winchester Repeating Arms Company. 247,921; June 28.

CLASS 32.

Mattresses, pillows, and cushions. M. O. Kingstone. 245,644; June 28.

CLASS 33.

Glass tumblers, jugs, ice tubs, etc. Federal Glass Company. 231,851; June 28.

CLASS 34.

Burners, Combination naturhl-gas and fuel-oil. Nimrod, Limited. 246,703; June 28.
Lighters, Portable and pocket cigar and cigarette. Alfred Dunhill of London, Inc. 248,459; June 28.
Ranges, plates, heaters, air and gas mixers, etc., Gas. Geo. D. Roper Corporation. 244,888; June 28.

CLASS 35.

Jar rings, Fruit-. Kroger Grocery & Baking Co. 249,128; June 28.
Tires and inner tubes, Pneumatic. Belknap Hardware & Manufacturing Company. 248,989–90; June 28.
Tires, Pneumatic vehicle. Goodyear Tire & Rubber Company. 239,618; June 28.

CLASS 36.

Pianos, player pianos, and piano players, Grand and upright. Wurlitzer Grand Piano Company. 248,077; June 28.
Trumpets, clarinets, flutes, alto horns, etc. M. Meyers. 244,564; June 28.

CLASS 37.

Bookkeeping supplies. Flach & Benedict, Inc. 244,067; June 28.
Books, Professional-appointment. Professional Press, Incorporated. 249,095; June 28.
Diaries. Springfield Leather Products Company. 248,332; June 28.
Paper, Writing. Swartwood-Nelson Paper Co. 231,022; June 28.
Pencils. A. W. Faber, Inc. 241,993; June 28.
Pens, Metallic. D. Leonardt and Company. 242,235; June 28.
Rubber bands, pencils, and penholders. American Lead Pencil Company. 248,460; June 28.
Tape, labels, and the like strip material, Devices for moistening and/or serving adhesive or gummed. Nashua Package Sealing Co. Inc. 245,866; June 28.

CLASS 38.

Books and coupons, Coupon. Publix Theatres Corporation. 248,927; June 28.
Books and coupons, Coupon. Publix Theatres Corporation. 248,929; June 28.
Magazine. Marion Steam Shovel Company. 248,964; June 28.
Magazine. Prep School Publications, Inc. 248,925; June 28.
Magazines. Certified Milk Producers' Association of America, Inc. 248,988; June 28.
Magazines. Experimenter Publishing Company. 247,530; June 28.
Periodical. Radio Manufacturers' Publishing Company. 249,193; June 28.
Pictures, illustrations, display cards, greeting cards, and booklets. Meriden Gravure Company. 248,008; June 28.
Publication. Keystone Publishing Co. 247,274; June 28.
Publication. Natamsa Publishing Company. 249,233; June 28.
Publication. Russell's Commercial News, Inc. 249,299; June 28.
Publications. Dictaphone Sales Corporation. 206,113; June 28.

CLASS 39.

Arctics. Beacon Falls Rubber Shoe Co. 248,952; June 28.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 248,131; June 28.
Dresses and aprons, House. S. L. Hoffman. 248,000; June 28.
Dresses, bloomers, ladies' dresses, boys' suits, etc., Children's Isbell-Kent-Oakes Dry Goods Company. 242,483; June 28.
Hosiery, Women's. David Jacobs Corporation. 248,478; June 28.
Leggings. M. F. Pollard. 243,560; June 28.
Shirts, Dress, negligee, and work. David H. Posner Inc. 248,924; June 28.
Shoes. Field Bros. & Gross Co. 247,732; June 28.
Shoes. S. Kann Sons Company. 247,694; June 28.
Shoes, Children's. Truitt Brothers Incorporated. 208,495; June 28.
Suits, overcoats, and topcoats, Men's. Barron-Anderson Company. 248,389; June 28.
Suits, overcoats, and topcoats, Men's. H. Weinstein. 246,868; June 28.
Suits, overcoats, waistcoats, and trousers, Men's. M. Wile & Company. 245,131; June 28.
Ties. I. Isaac. 246,556; June 28.
Underwear for men and boys. Piqua Hosiery Company. 244,957; June 28.
Underwear, ties, scarfs, and mufflers. Clarion Knitting Mills, Inc. 248,391; June 28.

CLASS 42.

Cotton piece goods. M. C. D. Borden & Sons, Inc. 248,278; June 28.
Handkerchiefs. Bloch Freres, Inc. 247,925; June 28.
Lining, Shoe. D. B. Purbeck & Co. 248,195; June 28.
Piece goods. Bendix, Inc. 249,148–9; June 28.
Silk piece goods. Wager & Hirsch, Inc. 243,073; June 28.
Tablecloths, napkins, sheets, and pillowcases, etc., Linen-damask. Dundee Linen Shop. 234,504; June 28.
Textile fabrics. Reliable Silk Manufacturing Co. 241,670; June 28.
Textile fabrics. Reliable Silk Manufacturing Co. 243,169; June 28.
Textile fabrics of wool and cotton. William Whitman Company. 248,605; June 28.
Textile of cotton and rayon mixture. Lorraine Manufacturing Company. 248,505; June 28.
Towels. Carson Pirie Scott & Co. 231,526; June 28.
Woolen, worsted, cotton piece goods. Woolen Corporation of America. 248,660. June 28, 1927.

CLASS 43.

Cotton, thread, and sewing cotton, Spool. American Thread Company. 248,614; June 28.

CLASS 44.

Bandages, Plaster-of-Paris. G. C. Deane. 248,396; June 28.
Catamenial protectors. J. Perlzweig. 242,853; June 28.
Sanitary belts. Olmstead Corporation. 247,562; June 28.
Therapeutic lamps. Fitzgerald Manufacturing Company. 248,355; June 28.

CLASS 45.

Beverages. S. Hartford. 246,093; June 28.
Beverages, sirups, concentrates, and compounds for making the same. A. S. Monty. 248,509; June 28.
Ginger ale. Henry Gebring Company. 229,791; June 26.

CLASS 46.

Bacon and meat luncheon loaf. Swift and Company. 249,245; June 28.
Bread. W. B. Fink. 210,227; June 28.
Bread. B. Westergaard & Co. 245,308; June 28.
Buttermilk, Bulgarian. A. M. Deutsch. 233,672; June 28.
Cake icing. Mrs. John J. Ratty. 247,907. June 28.
Candies, chocolate, dried and stuffed fruits. Schwartz's Nut Stores, Inc. 245,809; June 28.
Candy. Ireland Candy Company. 247,021; June 28.
Candy bars. G. E. Curme. 232,258; June 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canned, dried, and fresh fruits, candied nuts, etc. H. Hicks & Son, Inc. 230,997; June 28.
Canned fruits. Greco Canning Company. 235,209–10; June 28.
Canned fruits. Greco Canning Company. 235,212; June 28.
Canned fruits and vegetables. Winorr Canning Company. 248,606; June 28.
Canned fruits and vegetables and dried fruits. Salinas Valley Canning Co. 247,971; June 28.
Canned fruits, berries, and vegetables, jams, jellies, etc. Puyallup & Sumner Fruit Growers Association. 246,771; June 28.
Canned fruits, vegetables, vinegar, soups, salad dressing, etc. T. A. Snider Preserve Co. 243,238; June 28.
Canned salmon. Salmon Exchange, Inc. 245,865; June 28.
Chocolate milk powder. W. A. Heyman. 248,041; June 28.
Coffee. P. H. Fennell. 247,421; June 28.
Eggs and dressed poultry. Minnesota Co-Operative Egg & Poultry Exchange, Inc. 240,360; June 28.
Feed and mash and dairy feed, Chicken. Atlanta Flour & Grain Co. 239,691; June 28.
Feed, Dairy and poultry. Kasco Mills, Inc. 246,755; June 28.
Feed, Horse and mule. Grain Belt Mills Company. 247,843; June 28.
Feed, Horse, mule, and chicken. Grain Belt Mills Company. 247,855; June 28.
Feed, Horse, mule, and dairy. Grain Belt Mills Company. 247,856; June 28.
Flour, Wheat. Southwestern Milling Co. 225,492; June 28.
Food beverage. Chocolate Products Co. 244,043; June 28.
Fruits and grapes, dried fruits, and raisins, Fresh and deciduous. Sawyer & Murray. 237,475; June 28.
Grapes and pomegranates, Fresh. W. C. Merwin. 241,893; June 28.
Groceries, Wholesale. Louis Dobbratz Co. 247,266; June 28.
Milk-chocolate coating and milk cocoa. Lamont, Corliss & Company. 241,626; June 28.
Milk for babies, invalids, etc., Special dry. Mammala Corporation. 233,210; June 28.
Milk, sweet cream, poultry feed, etc., Sweet, condensed, powdered, and evaporated. Land O'Lakes Creameries Inc. 245,014; June 28.
Molasses. Oelerich & Berry Company. 236,282; June 28.
Mustard, sweet pickle relish, maple sirup, honey, etc. Benjamin-Hartoon Company. 233,100; June 28.
Nuts, Salted. Z. S. Wan. 249,309; June 28.
Oranges, lemons, and grapefruit. Bryn Mawr Fruit Growers Association. 242,814; June 28.
Oranges, lemons, and grapefruit. C. D. Hubbard Fruit Co. 222,247; June 28.
Pepper, salad, and celery relish. Oliver Relish Company. 247,866; June 28.
Salad dressing, tartar sauce, jellies, etc. F. M. Casler. 238,636; June 28.
Sandwiches. J. Peters. 227,535; June 28.
Sauce or dressing used for meats, soups, etc., Table. Theonett & Co. 235,535; June 28.
Seasonings for food. J. A. Abadie. 247,588; June 28.
Sirup, Table. W. B. Roddenbery. 248,198; June 28.
Sirups and extracts for foods, Flavoring. Captain Kidd Products, Inc. 245,892; June 28.
Vegetables, Fresh. Cochran-Turney-Crispo, Inc. 248,555; June 28.

CLASS 48.

Malt sirup for food purposes. Val Blatz Brewing Company. 247,719; June 28.

CLASS 50.

Bottle caps. Davol Rubber Company. 246,820; June 28.
Corks and stoppers, Tapered. Cork Import Corporation. 247,360; June 28.
Felt blankets and papermakers' jackets. Appleton Woolen Mills. 246,727; June 28.
Stair-tread mats. J. P. Wettach. 239,211; June 28.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,633,969; June 28.
Abbott, Charles M., Watertown, assignor to Samuel Cabot, Inc., Boston, Mass. Shingle-abrading machine. 1,633,563; June 28.
Adams, Reed, Detroit, Mich. Printing press. 1,633,564; June 28.
Adams, Thomas C., H. A. Noyes, and E. G. Lawrence, Minneapolis, Minn., assignors to O. B. McClintock Co. Time-lock indicator. 1,633,657; June 28.
Aerovox Wireless Corporation. (See Siegel, Samuel, assignor.)
Ahlm, Charles E. F., Cleveland, Ohio. Transmission gearing. 1,634,063; June 28.
Ahlm, Charles E. F., Cleveland, Ohio. Transmission gearing. 1,634,168; June 28.
Ahlquist, Eugene F., Minneapolis, Minn., assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. File wallet. 1,634,064; June 28.
Ahlrichs, Harm, Sherman, Ill. Poultry feeder. 1,633,880; June 28.
Aikman, Burton S., Milwaukee, Wis., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-brake system. 1,633,756; June 28.
Aktiebolaget Vaporackumulator. (See Ruths, Johannes, assignor.)
Aldendorff, Fritz, Wilmersdorf, near Berlin, Germany, assignor of one-fourth to P. Kollsch, New York, N. Y. Automatic switching system. 1,634,007; June 28.
Alderfer, Sterling W., Akron, Ohio. Manufacture of tire beads. 1,633,620; June 28.
Alford, John R., and L. Alexander, Henderson, Tex. Radiator-repair stand. 1,634,227; June 28.
Alexander, Frederick, East St. Louis, Ill. Clothesline fastener. 1,633,722; June 28.
Alexander, Luther. (See Alford, J. R., and Alexander.)
Alibert, Emile, Paris, France. Nail box for nailing machines. 1,634,226; June 28.
Allen, Frank B., Cynwyd, Pa., assignor, by mesne assignments, to F. H. Dunbar, Cleveland, Ohio. Hopper construction. 1,633,562; June 28.
Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to F. H. Dunbar, Cleveland, Ohio. Ash-handling equipment. 1,634,228; June 28.
Alliance Vitrified China Company. (See Hashagen, August, assignor.)
All-Metal Products Company, The. (See Schmidt, William F., assignor.)
Allsopp Bros. (See Steller, Arthur, assignor.)
Alsberg, Julius, New York, N. Y., and P. J. Ralph, Trenton, N. J.; said Ralph assignor to said Alsberg. Apparatus for analyzing gases. 1,633,881; June 28.
American Hoist & Derrick Co. (See Sederholm, John E., assignor.)
American Lakes Paper Company. (See Kress, Otto, assignor.)
American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
American Radiator Company. (See Howell, Frank B., assignor.)
American Rubber Company. (See Teague, Merwyn C., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Shanck, Roy B., assignor.)
American Telephone and Telegraph Company. (See Silent, Harold C., assignor.)
American Window Company. (See Lewis, Claude A., assignor.)
American Wire Cord Tire Company, The. (See Weigel, Daniel M., assignor.)
Anderson, David E., assignor to General Motors Corporation, Detroit, Mich. Vehicle having four-wheel brakes. 1,634,131; June 28.
Anderson, Harry T., Butler, Pa. Railway car. 1,634,008; June 28.
Andrew, Harold, Princeton, Ill. Device for detecting and measuring the unevenness of a surface. 1,633,841; June 28.
"Ansaldo" Societa Anonima. (See Soliani, Nabor, assignor.)
Apex Electrical Manufacturing Company, The. (See McClatchie, Stanley, assignor.)
Arndt, Ernest A., Sioux City, Iowa. Automobile trunk. Re16,665; June 28.
Arnot, John M., Bury, England. Steam-heated cylinder and the like and draining the same. 1,633,723; June 28.
Ash, Louis R., H. C. Tammen, and H. G. Hunter, Kansas City, Mo. Bascule bridge. 1,633,565; June 28.
Automatic Appliance Company. (See Mapel, Lewis A., assignor.)
Automatic Electric Inc. (See Engsberg, Ralph W., assignor.)
Automatic Electric Inc. (See Ray, Arthur J., assignor.)
Automatic Electric Inc. (See Sengebusch, Hans, assignor.)
Automotive Valves Co., The. (See Burtnett, Everett R., assignor.)
Ayres, Arthur U. (See Jones, L. D., and Ayres.)
Badenhop, Hermann C., Wauseon, Ohio. Chicken feeder. 1,633,917; June 28.
Bagnani, Giuseppe, San Francisco, Calif. Endless drier for macaroni. 1,634,009; June 28.
Ball, Samuel S., Bethlehem, Pa. Apparatus for compressing ingots. 1,633,970; June 28.
Ballin, Frederick A., Los Angeles, Calif. Dishwashing machine. 1,633,803; June 28.
Ballot, Ernest M., Paris, France. Valve-operating mechanism. 1,633,882; June 28.
Banner, Otto A., assignor to The Falk Corporation, Milwaukee, Wis. Oil engine. 1,634,132; June 28.
Barany, Edmund R., Brooklyn, N. Y. Connecter for electrical conductors. 1,634,065; June 28.
Barbee, Henry D., Greensboro, N. C. Fire door. 1,633,757; June 28.
Barber Asphalt Company, The. (See Forrest, Charles N., assignor.)
Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Post. Des. 72,924; June 28.
Bartlett, C. O., & Snow Company, The. (See First, Mahlon E., assignor.)
Bartlett Hayward Company. (See Kuehn, Paul M., assignor.)
Bartling, Friedrich. (See Honigmann, L., and Bartling.)
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Treating tubing and apparatus therefor. 1,634,066; June 28.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Process and apparatus for forming tubes. 1,634,067; June 28.
Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
Bauman, Harry A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot-water bottle. Des. 72,925; June 28.
Bauman, Harry A., and R. M. Pierson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Bathing cap. Des. 72,926; June 28.
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Fuse mechanism. 1,633,971; June 28.
Bear, Montague M., Atlanta, Ga. Garter. 1,634,169; June 28.
Beasley, Edwin W., Durham, N. C. Cotton chopper and weeder. 1,634,010; June 28.
Beattie, George W., Highland, Calif. Irrigating and mining water meter. 1,634,011; June 28.
Beaver Machine and Tool Company. (See Chadwick, Francis C., assignor.)
Beedle, Edwin W., San Francisco, Calif. Galley type clamp. 1,633,918; June 28.
Beisser, Harry, Detroit, Mich. Key machine. 1,634,133; June 28.
Benham, Roy E., and H. B. Ross, Richmond, Ind. Miniature electric advertising sign. 1,633,883; June 28.
Bennett, Raymond A., Roxbury, and A. M. Boothby, Watertown, assignors to Boothby Fibre Can Company, Boston, Mass. Paper can. 1,633,884; June 28.
Berg, Olav, Paterson, and M. Imhoff, Clifton, N. J. Weighting fibers. 1,634,012; June 28.
Berger, Knute, Seattle, Wash. Brake mechanism. 1,633,919; June 28.
Berry, Althea T., Wolfeboro, N. H. Union undergarment. 1,633,972; June 28.
Bethlehem Steel Company. (See Faunce, B. F., and Dorris, assignors.)

Bethune, John, J. G. Van Roo, deceased; E. F. Van Roo, executrix, Rochester, assignors to Twin High Transmission Company, Syracuse, N. Y. Variable-speed gear for motor vehicles. 1,634,091; June 28.

Bill, Earl M., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,633,804; June 28.

Biron, Wilfred. (See Gervais, M., and Biron.)

Birtch, Fred W., assignor to Birtch Laboratories Inc., Buffalo, N. Y. Liquid heater. 1,633,758; June 28.

Birtch Laboratories Inc. (See Birtch, Fred W., assignor.)

Bishop, Garrie R., Runnells, Iowa. Wind motor. 1,633,842; June 28.

Blom, Hjalmar T., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor valve. 1,634,247; June 28.

Blumenberg, Henry, jr., assignor to Stockholders Syndicate, Los Angeles, Calif. Sulphur burner. 1,634,092; June 28.

Blumenfeld, Joseph, London, England. Filtration of solutions and the like. 1,633,621; June 28.

Bocklus, Walter A., Park Ridge, Ill. Electrical condenser. 1,633,566; June 28.

Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier. Des. 72,927; June 28.

Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y. Electric-socket cover. Des. 72,928; June 28.

Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y. Arm for a chandelier body. Des. 72,929; June 28.

Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall-bracket plate. Des. 72,930; June 28.

Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y. Electric candle cup. Des. 72,931; June 28.

Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall-bracket plate. Des. 72,932; June 28.

Bogardus, Charles C., Los Angeles, Calif. Upper-cylinder oiler. 1,634,134; June 28.

Bolognini, Giovanni. (See Parenti, A., and Bolognini.)

Boothby, Albion M. (See Bennett, R. A., and Boothby.)

Boothby Fibre Can Company. (See Bennett, R. A., and Boothby, assignors.)

Borden, Perry A., Toronto, Ontario, Canada. Remote metering system. 1,633,973; June 28.

Borer, Josef, Breitenbach, near Basel, Switzerland. Apparatus for transferring mica onto a fibrous web. 1,633,622; June 28.

Borgwardt, Erich. (See Feldt, A., Schoeller, and Borgwardt.)

Bostic, Ralph R., Los Angeles, Calif. Snap-on sucker-rod guide. 1,633,843; June 28.

Boston Match Company. (See Clark, George F., assignor.)

Boucek, Charles F., assignor to Ruda Manufacturing Company, Chicago, Ill. Latch mechanism. 1,634,013; June 28.

Boulogne, Baltus, Pasoerocan, Java. Automatic weighing apparatus with tare weighing. 1,633,623; June 28.

Boyer, Joseph, Detroit, Mich., assignor to Burroughs Adding Machine Company. Carrying mechanism for accounting machines. 1,634,068; June 28.

Bradford, Early T., Three Notch, Ala. Sawmill carriage. 1,633,920; June 28.

Bradley, Ovie E. (See McCarty, E. E., Dicus, and Langkop, assignors.)

Bradwell, Harry, assignor to John Mackintosh and Sons, Limited, Halifax, England. Wrapping machine for wrapping or parceling toffee, chocolate, or the like. 1,634,229; June 28.

Brafman, Samuel L., New York, N. Y. Motor-vehicle signal. 1,634,014; June 28.

Bray, Norris E., Kimball, S. Dak. Grain door for freight cars. 1,634,015; June 28.

Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Oil-burning furnace and ignition means therefor. 1,633,567; June 28.

Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Thermostatic control for domestic and hot-water heaters. 1,633,759; June 28.

Breisch, Edgar W., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical connecter. 1,633,974; June 28.

Brewer, Charles A., Noroton Heights, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y. Generating and impregnating steam with a chemical constituent. 1,633,568; June 28.

Brewin, Thomas, Fife, Scotland. Sound-reproducing instrument. 1,633,760; June 28.

Briscoe, G. C. (See Byrns, Emett L., assignor.)

Broadwood, Hilda, Mobile, Ala. Hearth broom. Des. 72,933; June 28.

Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Superheater baffle. 1,633,975; June 28.

Brophy, Gerald R., Schenectady, N. Y., assignor to General Electric Company. Heat-resisting alloy. 1,633,805; June 28.

Brown, Archibald M., Akron, Ohio. Nursing-bottle nipple. 1,634,170; June 28.

Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible composite article and forming the same. 1,633,976; June 28.

Brown, Earl J., Chicago, Ill. Eye-testing device. 1,633,658; June 28.

Brown, Edwin O., West Croydon, England. Apparatus for playing a table game of hockey. 1,634,016; June 28.

Brown, Phelps, Springfield, Mass. Ignition apparatus. 1,634,135; June 28.

Brown, Theodore P., assignor, by mesne assignments, to Simplex Player Action Co., Worcester, Mass. Pneumatic player mechanism for musical instruments. 1,634,171; June 28.

Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company, Chicago, Ill. Printing press. 1,633,691; June 28.

Buckeye Blower Company, The. (See Harnett, Lewis D., assignor.)

Buckwalter, Jacob S., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Release clutch for grinding mills. 1,633,844; June 28.

Burris, Carl, Clayton, Mo. Maintenance record. 1,633,724; June 28.

Burroughs Adding Machine Company. (See Boyer, Joseph, assignor.)

Burson Knitting Company. (See Parker, William S., assignor.)

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,633,921; June 28.

Burton, George E., Philadelphia, Pa. Grinder for the cutters of pencil sharpeners. 1,633,845; June 28.

Byrde, Edwin A., Nagpur, Central India. Railway or tramway rail joint. 1,633,977; June 28.

Byrns, Emett L., assignor to G. C. Briscoe, Mineral Wells, Tex. Combination truck and weigher. 1,633,761; June 28.

Cabot, Samuel, Inc. (See Abbott, Charles M., assignor.)

Caldwell, Thomas F., et al. (See Rylander, William P., assignor.)

Calmels, Pierre L. M. V., Tours, France. Apparatus for the cut of the mustache. 1,633,978; June 28.

Cammack, William J., Los Angeles, Calif. Siren. 1,633,509; June 28.

Campbell, Argyle, and A. E. Zimmer, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-locking mechanism. 1,633,762; June 28.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Lubricator. 1,633,763; June 28.

Cannon Engineering Co. (See Brewer, Charles A., assignor.)

Capital Manufacturing Co. (See Forth, Charles, assignor.)

Cappa, Giulio C., Turin, Italy. Internal-combustion engine with inclined cylinders. 1,634,017; June 28.

Car Fastener Company. (See Pierce, Walter H., assignor.)

Carbide & Carbon Chemicals Corporation. (See Davidson, Joseph G., assignor.)

Carnes Artificial Limb Company. (See Carnes, William T., assignor.)

Carnes, William T., assignor to Carnes Artificial Limb Company, Kansas City, Mo. Phonograph tone arm and resonator. 1,633,624; June 28.

Carr Fastener Company. (See Carr, Moses F., assignor.)

Carr, Moses F., Lexington, assignor to Carr Fastener Company, Cambridge, Mass. Fastener stud. 1,634,230; June 28.

Carrick, Franklin K., Rapid City, Manitoba, Canada. Weed eradicator. 1,634,172; June 28.

Carroll, Emil J., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Dump-bottom extractor. 1,633,570; June 28.

Carter, John J., Lansing, Mich., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Manufacture of commutators. 1,633,922; June 28.

Casey, John W., assignor to Minnie E. Casey, Oklahoma City, Okla. Automatic weight opening valve. 1,633,923; June 28.

Casey, Minnie E. (See Casey, John W., assignor.)

Castillo, Miguel, Mexico City, Mexico, assignor of one-half to S. W. Fisher, Chicago, Ill. Portable grinder. 1,633,885; June 28.

Carver, C. R., Company. (See Fellows, Walter C., assignor.)

Cerny, Frank, Berwyn, Ill. Steel railing. 1,633,659; June 28.

Chadwick, Francis C., assignor to Beaver Machine and Tool Company, Newark, N. J. Socket terminal. 1,634,173; June 28.

Chance Brothers and Co. (See Gell, P. V. W., Gould, Hampton, and Martin, assignors.)

Chemical Works. (See Tagliani, Giovanni, assignor.)

Chemische Fabrik auf Actien (vorm. E. Schering). (See Feldt, A., Schoeller, and Borgwardt, assignors.)

Chemische Werke vormals Auergesellschaft m. b. H., Kommanditgesellschaft. (See Mayer, M., Flockh, and Koref, assignors.)

Chéron-Duvnl, André, Hollywood, Calif. Ornament for radiator caps. Des. 72,934; June 28.

Cherry-Bassett Company. (See Rosenfeld, Louis, assignor.)

Chester, Howard F., Brooklyn Heights Village, Ohio. Legging. 1,633,924; June 28.

Chipps, Henry D., Corinth, Miss. Artificial tooth and bridgework. 1,633,660; June 28.

Christensen, Niels A., Milwaukee, Wis. Automotive compressor. 1,633,764; June 28.

Christensen, Niels A., Milwaukee, Wis. Compressor mounting. 1,633,765; June 28.

Christensen, Niels A., Milwaukee, Wis. Engine-driven compressor. 1,633,766; June 28.

Christensen, Niels A., Cleveland, Ohio. Direct-drive compressor. 1,633,767; June 28.

Christensen, Niels A., Cleveland, Ohio. Automotive engine compressor. 1,633,768; June 28.

Christensen, Niels A., Cleveland, Ohio. Multicylinder automotive compressor. 1,633,769; June 28.

Christensen, Niels A., Cleveland, Ohio. Automotive engine compressor. 1,633,770; June 28.

Christensen, Niels A., Cleveland, Ohio. Front end, compressor. 1,633,771; June 28.

Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,633,925; June 28.

Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)

Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,633,692; June 28.

Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,633,772; June 28.

Clark, George F., Boston, Mass., assignor to Boston Match Company. Match book. 1,634,136; June 28.

Clark Paper & Manufacturing Co. (See Clark, Raymond P., assignor.)

Clark, Raymond P., assignor to Clark Paper & Manufacturing Co., Rochester, N. Y. Fruit packer. 1,633,571; June 28.

Clark, Victor E., Grand Rapids, Mich. Air compressor. 1,634,093; June 28.

Clarke, George I. (See Davis, C. C., and Clarke.)

Cleveland, George C., Cleveland, Ohio. Track detector. 1,633,572; June 28.

Clutts, Joshua K., Detroit, Mich. Cupola-charging car. 1,633,093; June 28.

Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. Des. 72,935; June 28.

Colchester, Arthur E., Dorchester, Mass. Engine valve. 1,633,694; June 28.

Coleman, Harry S., Dayton, Pa. Hay fork. 1,634,1[illegible]; June 28.

Coleman, John A. (See Cook, G. C., and Coleman.)

Colley, George F., assignor to H. H. Weedon, Richmond, Va. Steering-gear-centering device. 1,633,695; June 28.

Collins, William S. (See Robinson, Douglas, G., assignor.)

Color Cinema Productions, Inc. (See Waddingham, Arthur G., assignor.)

Concrete Engineering Company. (See Meyer, Charles L., assignor.)

Contact Filtration Company. (See Prutzman, Paul W., assignor.

Container Corporation of America. (See Walter, Harrison B., assignor.)

Cook, Charles L., Louisville, Ky. Piston packing. 1,634,018; June 28.

Cook, George C., Millington, N. J., and J. A. Coleman, Woodhaven, N. Y. Tube-cleaning projectile. 1,634,094; June 28.

Cordray, Lee R., San Diego, Calif. Vehicle speed-limit indicating and control means. 1,634,069; June 28.

Cornett, Sherman, Reece, Kans. Display sign and producing the same. 1,634,174; June 28.

Correct Measure Company. (See Foster, J. R., and Woodruff, assignors.)

Cosin, Joseph J., Brooklyn, N. Y. Powder puff. 1,634,175; June 28.

Coullery, Henri, La Chaux de Fonds, Switzerland. Caliper. 1,634,019; June 28.

Cox, Oscar. (See Willis, O. C., and Cox.)

Cox, William G., Cleveland, Ohio. Shock-absorber for spring vehicles. 1,634,095; June 28.

Crabbs, Herbert J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,633,979; June 28.

Craig, Burnie J., Los Angeles, Calif. Baseball glove. 1,633,926; June 28.

Craig, John F., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake mechanism. 1,633,773; June 28.

Craig, Robert, Maplewood, N. J. Transfer turntable. 1,633,980; June 28.

Crawford, Ralph F., Salina, Kans. Self-oiling hub for radiator fans. 1,633,806; June 28.

Crawford, Ralph F., Salina, Kans. Power hoist for dump trucks. 1,633,846; June 28.

Crawford, Ralph F., Salina, Kans. Power take-off mechanism for motor vehicles. 1,633,847; June 28.

Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)

Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See McGuiness, Benjamin F., assignor.)

Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Crowell, Charles W., Salisbury, N. C. Steam boiler. 1,634,020; June 28.

Cunliffe, Wilfred, Stamford, Conn. Indicator. 1,634,176; June 28.

Cunningham, T. S., et al. (See Hansen, John, assignor.)

Curran, Eugene, Cardiff, and J. J. Hickey, Llanishen, near Cardiff, Wales. Vehicle. 1,634,021; June 28.

Cushman Chuck Company, The. (See Sloan, Harry E., assignor.)

Cushman, Joseph W. (See Groves, H. T., and Cushman.)

Cutler-Hammer Mfg. Co., The. (See Horter, Bayard M., assignor.)

Dahlberg & Company. (See Lathrop, E. C., and Munroe, assignors.)

Dallimore, George W., Oakland, Calif. Variable-speed transmission mechanism. 1,634,138; June 28.

Dalton Adding Machine Company, The. (See Landsiedel, Harry, assignor.)

Dalton, Harry, Sr., Philadelphia, Pa. Combined tank and carburetor. 1,634,022; June 28.

Dam, Henry M. R., Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y. Christmas decorative lighting fixture. Des. 72,937; June 28.

Dam, Henry M. R., Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y. Christmas decorative lighting fixture. Des. 72,938; June 28.

Dam, Henry M. R., Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y. Christmas decorative lighting fixture. Des. 72,939; June 28.

Dames, John P. (See Harmon, C. N., and Dames.)

Dandridge, Lizzie, Wichita, Kans. Window barrier. 1,633,848; June 28.

Daniel, Aubrey W., New Orleans, La. Electric heater. 1,633,573; June 28.

Danielson, Edna, Berkeley, Calif. Butterfly ornament for garments. Des. 72,940; June 28.

Darlington, Philip J., Brookline, Mass. Internal micrometer caliper. 1,633,807; June 28.

Dario Company. (See Loomis, Ormond E., assignor.)

Dart, Luke M., and G. G. Harris, Engle Lake, Me. Trap-chain ring. 1,634,177; June 28.

Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Ether of polyolefin glycol and making the same. 1,633,927; June 28.

Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Stencil sheet. 1,633,696; June 28.

Davis, Cecil C., and G. I. Clarke, West Palm Beach, Fla. Cushioning means for tiltable automobile seats. 1,633,697; June 28.

Davis, Dwight C., Monterey Park, Calif. Envelope sealer. 1,633,698; June 28.

Davis, Roger Q., Akron, Ohio. Fluid-pressure control for power transmissions. 1,633,981; June 28.

Davis, Timon, Mauston, Wis. Rat-poison holder. 1,633,982; June 28.

Davison, Clarence M., assignor to Poole Engineering & Machine Company, Baltimore, Md. Pump. 1,634,023; June 28.

Davison, David. (See Hosford, L. V., and Davison.)

Dawson, Cecil F., East Orange, and E. G. Wessman, Boonton, N. J., assignors by mesne assignments, to Individual Drinking Cup Co. Inc., Easton, Pa. Dispensing cup carton. 1,633,983; June 28.

Day, James C., South Orange, assignor to The Whitehead & Hoag Company, Newark, N. J. Button receptacle. 1,633,725; June 28.

De Botelho, Martin C., New York, N. Y. Vanity case. Des. 72,941; June 28.

Delco-Remy Corporation. (See Carter, John J., assignor.)

Delco-Remy Corporation. (See Chryst, William A., assignor.)

Delco-Remy Corporation. (See Haas, Nelson R., assignor.)

Dewey, Clarence L., Elkhart, Ind. String instrument. 1,633,574; June 28.

Dick, A. B., Company. (See Davis, Alex B., assignor.)

Dicus, Clarence C. (See McCarty, E. E., Dicus, and Langkop.)

Diel Watch Case Company. (See Dinstman, Isidor, assignor.)

Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)

Dinstman, Isidor, New York, N. Y., assignor to Diel Watch Case Company. Making watchcases. 1,633,661; June 28.

Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Folding method and product. 1,633,849; June 28.

Doherty, Robert E., Scotia, N. Y., assignor to General Electric Company. Regulating system for dynamo-electric machines. 1,633,808; June 28.
Donald, Forrest V., assignor, by mesne assignments, to New Beeman Tractor Company, Minneapolis, Minn. Four-wheeled tractor. 1,633,850; June 28.
Donnelly, Richard O., Victoria, British Columbia, Canada. Fuel-regulation device for internal-combustion engines. 1,633,928; June 28.
Dorris, Henry C. (See Faunce, B. F., and Dorris.)
Doscher, George, Mount Vernon, N. Y. Envelope container for toothpicks. 1,634,096; June 28.
Duffin, James R., Louisville, Ky. Self-serving store. 1,633,886; June 28.
Duisberg, Walter, Leverkusen, near Cologne, W. Hentrich, L. Zeh, and J. Hulsmann, Wiesdorf, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Omega-aminoalkyl-aminonaphthalenes. 1,633,929; June 28.
Duley, Harley H., Chicago, Ill. Detectormeter. 1,633,930; June 28.
Dunbar, Frank H. (See Allen, Frank B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
Durr, Fritz, Munich, Germany. Internal-combustion engine. 1,633,851; June 28.
Dziuk, Edmund, Detroit, Mich. Needle. 1,633,726; June 28.
Early, Reese B., Riverside, Calif. Loom lock. 1,633,727; June 28.
Ebarle, Patricio L., San Francisco, Calif. Container for table service. Des. 72,936; June 28.
Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
Economy Glass Company. (See Schrader, Ernest C., assignor.)
Edmondson, John H., Pine Bluff, Ark. Carpenter's gauge. 1,634,178; June 28.
Edwards, Albert V., Hackettstown, N. J. Mortising machine. 1,634,097; June 28.
Ekelund, John A., Minneapolis, Minn. Figure wheeled toy. 1,633,809; June 28.
Eklund, Alexander, Attleboro, Mass., assignor to General Chain Company, Providence, R. I. Bracelet. 1,633,575; June 28.
Electrograph Company, The. (See Murphy, Robert S., assignor.)
Electrolytic Zinc Company of Australasia Limited. (See Gepp, H. W., Hey, Rigg, Stevens, and Williams, assignors.)
Ellis, Humphrey A., Philadelphia, Pa. Grate bar for fine fuel. 1,633,931; June 28.
Eminger, Don, et al. (See Lindsey, George C., assignor.)
Endicott, George F., and G. H. Goodell, St. Paul, Minn. Bearing for railway-axle journals. 1,633,852; June 28.
Engl, Josef. (See Massolle, J., Engl, and Vogt.)
Engsberg, Ralph W., Lake Mills, Wis., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,633,774; June 28.
Enterprise Manufacturing Company of Pennsylvania, The. (See Buckwalter, Jacob S., assignor.)
Enterprise Railway Equipment Company. (See Campbell, A., and Zimmer, assignors.)
Erickson, Frederic W., Larchmont, N. Y. Electric meter and the mounting thereof. 1,634,098; June 28.
Erie City Iron Works. (See Johnson, Theodore, assignor.)
Esau, Abraham, Jena, Germany. Antenna arrangement for short-wave apparatus. 1,633,775; June 28.
Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Secrecy system. 1,633,625; June 28.
Espitallier, Louis, Jennings, La. Game. 1,633,887; June 28.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Evans, George S., Middle Brighton, Victoria, Australia. Piston. 1,634,024; June 28.
Fabriques des Montres Zenith, successeur de Fabriques des Montres Zenith Georges Fabre-Tacot & Co. (See Rosat, Charles, assignor.)
Fageol, Rollie B. (See Fageol, William B., assignor.)
Fageol, William B., assignor to R. B. Fageol, Oakland, Calif. Automobile brake. 1,633,776; June 28.
Falk Corporation, The. (See Banner, Otto A., assignor.)
Falknor, Frank B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving system. 1,633,932; June 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed-valve device. 1,633,728; June 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retarded release-valve device. 1,633,777; June 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor-controlling device. 1,633,778; June 28.
Farnsworth, Frank S., London, England. Spring suspension of vehicles. 1,633,933; June 28.
Farrell, Rupert L., Montreal, Quebec, Canada. Automatic gate. 1,634,025; June 28.
Faunce, Benjamin F., Westmont, and H. C. Dorris, Johnstown, Pa., assignors to Bethlehem Steel Company. Striking plate for cars. 1,633,934; June 28.
Fauser, George, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Automobile body construction. 1,633,729; June 28.
Federal Glass Company, The. (See Hanford, Orin A., assignor.)
Feichter, Ulrich, Chicago, Ill. Switch. 1,634,179; June 28.
Feldt, Adolf, Berlin-Wilmersdorf, W. Schoeller, Berlin-Westend, and E. Borgwardt, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Heavy metal mercapto sulphonic compounds. 1,633,626; June 28.
Fellows, Walter C., Philadelphia, Pa., assignor to C. R. Carver Company. Plate holder for printing presses. 1,633,810; June 28.
Felton, Walter A., Newburgh, N. Y. Game apparatus. 1,634,180; June 28.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door latch. 1,633,888; June 28.
Figlietti, Germano, San Francisco, Calif. Airplane. 1,633,889; June 28.
Finckh, Karl. (See Mayer, M., Finckh, and Koref.)
First, Mahlon E., Lakewood, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Mechanism for handling material. 1,633,627; June 28.
First National Bank & Trust Co. (See Hardison, Edwin A., assignor.)
First National Bank of Anaheim, trustee. (See Schnepp, Louis W., assignor.)
Fish, Frederick K., jr., San Francisco, Calif. Apparatus and making paper pulp. 1,633,730; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Treating plant material. 1,633,731; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Process and apparatus for making pulp from fibrous materials. 1,633,732; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Process and apparatus for manufacturing ground-wood pulp. 1,633,733; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Process and apparatus for digesting or cooking fibrous material. 1,633,734; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Process and apparatus for making pulp from fibrous material. 1,633,735; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Preparing paper pulp. 1,633,736; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Liquid for treating plant material and producing the same. 1,633,737; June 28.
Fish, Frederick K., jr., San Francisco, Calif. Pulp fiber. 1,633,738; June 28.
Fisher, Frederick George, Quincy, Mass. Display package. 1,633,779; June 28.
Fisher, S. W. (See Castillo, Miguel, assignor.)
Fitzsimmons, John T., assignor to General Motors Research Corporation, Dayton, Ohio. Electrical generating system. 1,633,780; June 28.
Flagg, Ernest, New York, N. Y. Hinge. 1,634,181; June 28.
Fletcher, George H., Sheffield, and H. Rusby, Stocksbridge, England, assignors to Westinghouse Electric & Manufacturing Company. Coupling. 1,633,935; June 28.
Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Card-feeding apparatus. 1,633,937; June 28.
Ford, Eugene A., West Newton, Mass., assignor to The Tabulating Machine Company, Endicott, N. Y. Perforation-reading device for sorting machines and the like. 1,633,936; June 28.
Ford, Henry, Dearborn, Mich. Steering-gear reduction. 1,633,890; June 28.
Fornaca, Guido, Turin, Italy. Brake of the expanding-shoe type. 1,633,984; June 28.
Forrest, Charles N., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Asphaltic paving composition. 1,634,241; June 28.
Fort, Frank, Glen Ridge, N. J. Combined bathtub and shower casing. Des. 72,942; June 28.
Fort William Paper Co. (See Larbalester, Ernest, assignor.)
Forth, Charles, assignor to Capital Manufacturing Co., Detroit, Mich. Exhaust gas heater. 1,633,853; June 28.
Fortin, Joseph O., Ottawa, Ontario, Canada. Drafting device. 1,633,628; June 28.
Fortin, Joseph O., Ottawa, Ontario, Canada. Drafting machine. 1,633,629; June 28.
Foster, John R., and F. Woodruff, assignors to Correct Measure Company, Rochester, Pa. Liquid-dispensing apparatus. 1,633,985; June 28.
Frank, Harrison J. L., assignor to Mutual Electric and Machine Company, Detroit, Mich. Electric switch. 1,633,578; June 28.
Frank, John M., and A. G. Sutcliffe, assignors to Ilg Electric Ventilating Company, Chicago, Ill. Ventilating apparatus. 1,633,579; June 28.
Franklin, Edward J., Salt Lake City, Utah. Water-tube bridge-wall baffle for steam boilers. 1,634,130; June 28.
Franks, Clem H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective coating. 1,633,576; June 28.
Franks, Clem H., La Grange, Ill., assignor to Western Electric Company Incorporated New York, N. Y. Electrical coil. 1,633,577; June 28.

Frantz, Grover C., assignor to Modern Utilities Company, Harrisburg, Pa. Grade-measuring device. 1,633,85.; June 28.
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Frasca, Alfred F., Sandy Ridge, Pa. Oil-pump mechanism. 1,633,781; June 28.
Friedman, Bernhardt, New Orleans, La. Novelty box. Des. 72,943; June 28.
Fritz, William E., Indianola, Nebr. Feed cutter and grinder. 1,634,026; June 28.
Froesch, Charles, assignor to International Motor Company, New York, N. Y. Bearing. 1,633,580; June 28.
Fronrath, Stephen, Detroit, Mich. Door-holding device. 1,634,070; June 28.
Frye, Robert P., Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for removing surplus material from boots and shoes. 1,633,855; June 28.
Fuhrer, Frieda E., Richmond, Va. Ornamented fabric. 1,633,630; June 28.
Fuller, Richard B. (See Hewlett, J. M., and Fuller.)
Fulton, Loyd R., Los Angeles, Calif. Auto lock. 1,634,099; June 28.
Fynn, Valére A., St. Louis, Mo. Nonsynchronous motor. 1,633,891; June 28.
G. & C. Oil Separator Corporation. (See Groves, H. T., and Cushman, assignors.)
Gahau, Albert T., Stockton, Calif. Container for fruit-canning apparatus. 1,633,856; June 28.
Gaisman, Henry J., New York, N. Y. Safety razor. 1,633,739; June 28.
Garlick, Fred G., assignor to General American Tank Car Corporation, Chicago, Ill. Tank car. 1,633,811; June 28.
Garner, Martin D., Tulsa, Okla. Telephone equipment. 1,633,892; June 28.
Gaw-O'Hara Envelope Company. (See Ahlquist, Eugene F., assignor.)
Gaw-O'Hara Envelope Co. (See Olgay, Albert, assignor.)
Geanopulos, George C., Evanston, Ill. Bumper. 1,633,782; June 28.
Gell, Philip V. W., C. E. Gould, W. M. Hampton, and H. S. Martin, assignors to Chance Brothers and Co., Limited, Smethwick, England. Colorless Crookes glass. 1,634,182; June 28.
General American Tank Car Corporation. (See Garlick, Fred G., assignor.)
General Chain Company. (See Eklund, Alexander, assignor.)
General Electric Company. (See Bill, Earl M., assignor.)
General Electric Company. (See Brophy, Gerald R., assignor.)
General Electric Company. (See Doherty, Robert E., assignor.)
General Electric Company. (See Goff, Robert W., assignor.)
General Electric Company. (See Herkloiz, Max, assignor.)
General Electric Company. (See Kelley, Floyd C., assignor.)
General Electric Company. (See Minorsky, Nicolas, assignor.)
General Electric Company. (See Prescott, Arthur C., assignor.)
General Electric Company. (See Ruder, William E., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Tournier, Julius C., assignor.)
General Electric Company. (See Townsend, George R., assignor.)
General Electric Company. (See Youtz, Jesse P., assignor.)
General Motors Corporation. (See Anderson, David E., assignor.)
General Motors Corporation. (See Fauser, George, assignor.)
General Motors Corporation. (See Lannon, J. D., and Todd, assignors.)
General Motors Corporation. (See Taub, Alex., assignor.)
General Motors Research Corporation. (See Fitzsimmons, John T., assignor.)
General Motors Research Corporation. (See Lee, C. L., and Van Degrift, assignors.)
General Norit Company. (See Lourens, Cornelis, assignor.)
Gepp, Herbert W., H. Hey, and G. Rigg, Melbourne, Victoria, and R. H. Stevens and R. T. D. Williams, Risdon, Hobart, Tasmania, assignors to Electrolytic Zinc Company of Australasia Limited, Melbourne, Victoria, Australia. Treatment of zinc-bearing ores and metallurgical products. 1,634,100; June 28.
Gervais, Maurille, and W. Biron, New Bedford, Mass. Pipette. 1,634,183; June 28.
Gilbert, Joseph N., Grand Island, Nebr. Apparatus for imparting oscillating motions to rotating fans. 1,634,140; June 28.
Giles, David J., assignor to Latrobe Electric Steel Company, Latrobe, Pa. Cutlery article. 1,633,783; Gilmore, Lou, S., assignor, by mesne assignments, to Tourist Supply Company, Los Angeles, Calif. Tourist's kitchenette or cabinet. Re16,664; June 28.
Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic operating means and motor controller employing the same. 1,633,812; June 28.
Goldberg, David D. (See Gordon, C. J., and Goldberg.)
Goldstein, Jacob, West Hazleton, Pa. Ventilator. 1,634,184; June 28.
Gonzalez, Daniel, Gallup, N. Mex. Animal and bird trap. 1,633,857; June 28.
Goodell, George H. (See Endicott, G. F., and Goodell.)
Goodrich, B. F., Company, The. (See Bauman, Harry A., assignor.)
Goodrich, B. F., Company, The. (See Bauman, H. A., and Pierson, assignors.)
Goodwin, Walter C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Synchronous-motor starter. 1,633,938; June 28.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop for weights of multiple-needle detectors. 1,633,631; June 28.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism for drop-box looms. 1,633,632; June 28.
Gordon, Cyril J., and D. D. Goldberg, Chicago, Ill. Safety faucet. 1,633,581; June 28.
Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
Gouge, Arthur. (See Short, Albert E. and H. O., and Gouge.)
Gould, Charles E. (See Gell, P. V. W., Gould, Hampton, and Martin.)
Gould, Charles T. E., Toronto, Ontario, Canada. Bathtub. 1,633,582; June 28.
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Gozzo, Michael, et al. (See Lindsey, George C., assignor.)
Grace, George G., assignor of one-half to R. E. Kline, Los Angeles, Calif. Belt connecter. 1,633,939; June 28.
Grasselli Dyestuff Corporation. (See Duisberg, W., Hentrich, Zeh, and Hulsmann, assignors.)
Greiner, Richard, Berlin, Germany. Artificial eye. 1,633,986; June 28.
Grey, Robert B., London, England. Machinery foundation. 1,633,940; June 28.
Groene, William F., assignor to The R. K. Leblond Machine Tool Company, Cincinnati, Ohio. Crank-shaft lathe. 1,633,633; June 28.
Groves, Howard T., and J. W. Cushman, assignors to G. & C. Oil Separator Corporation, Parsons, Kans. Apparatus for separating fluids. 1,633,858; June 28.
Guett, Monroe, assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Double-throw switch. 1,634,185; June 28.
Guinzburg, Edwin A. (See Henry, Beulah L., assignor.)
Haas, Nelson R., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Dynamo brush. 1,633,740; June 28.
Hachita, Maximilian S., Wilkes-Barre, Pa. Pulsating gig. 1,634,101; June 28.
Haefely, Emil, Basel, Switzerland. Machine for tightening the insulation applied on winding bars of electric machines and apparatus. 1,633,741; June 28.
Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Compressor or pumping mechanism. 1,633,690; June 28.
Hallot, Paul, Paris, France. Braking of motor and other vehicles. 1,634,186; June 28.
Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,633,742; June 28.
Hamilton, William R., Dewey, Okla. Pump valve. 1,634,141; June 28.
Hammerstrom, Karl R. (See Vold, L. H., and Hammerstrom.)
Hammond, Robert O., assignor to S. S. Jenkins, Buffalo, N. Y. Apparatus for toasting food articles. 1,634,142; June 28.
Hampton, Wilfred M. (See Gell, P. V. W., Gould, Hampton, and Martin.)
Hanford, Orin A., assignor to The Federal Glass Company, Columbus, Ohio. Glass-forming machine and process. 1,633,634; June 28.
Hannah, Thomas. (See Smily, W. E., Hannah, and Winans.)
Hansen, John, Bettendorf, assignor of four twenty-fifths to W. H. Martin, ten twenty-fifths to T. S. Cunningham, and one twenty-fifth to T. McQuarrie, Davenport, Iowa. Mechanical golf instructor and exerciser. 1,634,102; June 28.
Hansen, John, Bettendorf, assignor of four twenty-fifths to W. H. Martin, ten twenty-fifths to T. S. Cunningham, and one twenty-fifth to T. McQuarrie, Davenport, Iowa. Mechanical golf instructor and execiser. 1,634,103; June 28.
Hanson, Nils K. F., Stockholm, Sweden. Boiling fibrous matters. 1,634,143; June 28.
Hardie, Joseph H., Morecambe, England. Apparatus for washing glasses and like vessels. 1,633,662; June 28.
Hardinge Brothers, Inc. (See Porst, Frederic, assignor.)
Hardison, Edwin A., Los Angeles, assignor to First National Bank & Trust Co., Santa Paula, Calif. High-pressure steam boiler. 1,633,663; June 28.

Hargrave, Fred M., Cedar Rapids, Iowa. Planing or scarifying mechanism. 1,634,144; June 28.
Harmon, Charles N., and J. P. Dames, Ann Arbor, Mich. Advertising device. 1,633,635; June 28.
Harnett, Lewis D., assignor to The Buckeye Blower Company, Columbus, Ohio. Radiator. 1,633,664; June 28.
Harris, George G. (See Dart, L. M., and Harris.)
Harrison, Joseph, Tunstall, Stoke-on-Trent, England. Vegetable dish or similar article. Des. 72,944; June 28.
Hart, Carl D., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for vulcanizing material. 1,633,592; June 28.
Hart & Hegeman Manufacturing Company. (See Guett, Monroe, assignor.)
Hartvikson, Henry, Rugby, N. Dak. Platform canvas-adjusting mechanism for grain binders. 1,634,187; June 28.
Harvey, Harry D. (See Schimpf, George C., assignor.)
Harvey, Vernon L., San Francisco, Calif. Fastening device. 1,633,859; June 28.
Hashagen, August, New York, N. Y., assignor to The Alliance Vitrified China Company, Alliance, Ohio. Plate or similar article. Des. 72,945; June 28.
Hathaway, Edgar F., Wellesley, Mass. Making laminated belts. 1,634,145; June 28.
Hawkins, Charlotte B., Parkdale, Ark. Grater. 1,633,700; June 28.
Hawley, Ted B., Kevin, Mont. Oil-well-controlled fire extinguisher. 1,633,813; June 28.
Haynes, Elbert J., Cleveland, Ohio. Sounding line. 1,633,701; June 28.
Head, Clarence, Birch Coulee Township, Renville County, Minn. Admission ticket. 1,634,188; June 28.
Hecht, Else, née Heimann, administratrix. (See Heimann, Georg.)
Heimann, Georg, deceased; E. Hecht, née Heimann, administratrix, Charlottenburg, Germany. Semiautomatic or automatic graded-service telephone system. 1,633,987; June 28.
Heitland, Wilmot E., Noroton Heights, Conn., assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Des. 72,946; June 28.
Hendrick, Victor P., et al. (See Lindsey, George C., assignor.)
Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Electric bell. 1,633,583; June 28.
Henry, Beulah L., New York, N. Y. Play-ball covering. 1,634,146; June 28.
Henry, Beulah L., assignor of one-half to E. A. Guinzburg, New York, N. Y. Poodle-dog doll. 1,634,189; June 28.
Hentrich, Winfrid. (See Duisberg, W., Hentrich, Zeh, and Huismann.)
Hepner, William, Los Angeles, Calif. Hair structure. 1,634,190; June 28.
Herklotz, Max, Berlin, Germany, assignor to General Electric Company. System of distribution. 1,633,860; June 28.
Herrick, Ernest A., and T. L. MacBean, New York, N. Y. Timbering or bracing system. 1,634,104; June 28.
Hertzberg, William, Brooklyn, N. Y. Wet mop. 1,633,584; June 28.
Hewlett, James M., and R. B. Fuller, Lawrence, N. Y., assignors to Stockade Building System, Inc. Building structure. 1,633,702; June 28.
Hey, Harry. (See Gepp, H. W., Hey, Rigg, Stevens, and Williams.)
Hey, Harry, Dewsbury, England. Removing suspended matters from oils and organic solvents. 1,633,941; June 28.
Hey, Harry, Dewsbury, England. Removing suspended matters from oils and organic solvents. 1,633,942; June 28.
Hickey, John J. (See Curran, E., and Hickey.)
Hiley, Alfred, Rickmansworth, England. Construction of concrete piles or columns. 1,634,231; June 28.
Hilgert, John, Chicago, Ill. Typewriter. 1,633,665; June 28.
Hiller, W. G. (See Moushon, Richard S., assignor.)
Hindahl, David. (See Hoscelt, W. J., and Hindahl.)
Hindshaw Engineering & Development Company. (See Hindshaw, Henry H., assignor.)
Hindshaw, Henry H., assignor to Hindshaw Engineering & Development Company, Minneapolis, Minn. Apparatus for utilizing low-grade iron ore. 1,633,839; June 28.
Hobe, William W., New York, N. Y. Appliqué trimming. Des. 72,947; June 28.
Hobe, William W., New York, N. Y. Appliqué trimming. Des. 72,948; June 28.
Hobe, William W., New York, N. Y. Appliqué trimming. Des. 72,949; June 28.
Hoeft, Adolph R., Chicago, Ill. Trap-nest door for poultry. 1,634,147; June 28.
Hoffman, John E., Casper, Wyo. Wrecking tool. 1,634,191; June 28.
Hoffman, Sten E., Gary, Ind. Check protector. 1,634,105; June 28.
Hojnowski, Jakob, Nekoosa, Wis. Device for holding the movable jaws of couplers open. 1,633,784; June 28.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,633,636; June 28.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop for weights of multiple-needle detectors. 1,633,637; June 28.
Honigmann, Ludwig, B. Tolz, and F. Bartling, Munich, Germany. Furnace for the heat treatment of pulverulent granular or pulpy material. 1,634,027; June 28.
Hopkinson, Ernest, New York, N. Y. Vulcanizing mold. 1,634,106; June 28.
Horter, Bayard M., Kingston, Pa., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for power-driven pumps. 1,633,786; June 28.
Hoscelt, William J., and D. Hindahl, assignors to Rodger Ballast Car Company, Chicago, Ill. Railway dump car. 1,634,107; June 28.
Hosford, Leonard V., and D. Davison, Portland, Oreg., assignors, by mesne assignments, to Hosford Motor Construction Co. Two-cycle internal-combustion engine. 1,633,585; June 28.
Hosford Motor Construction Co. (See Hosford, L. V., and Davison, assignors.)
Hotchner, Joseph, San Francisco, Calif. Illuminated sign. 1,633,785; June 28.
Hovda, Oliver H., Billings, Mont. Nail-sorting device. 1,634,192; June 28.
Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Boiler. 1,633,666; June 28.
Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Boiler. 1,633,667; June 28.
Hubbell, Harvey C., Cincinnati, Ohio. Tractor. 1,633,743; June 28.
Huber, William, assignor of one-half to O. W. Meyer, Bentley, N. Dak. Whipping or prodding device. 1,634,193; June 28.
Hughes, George, Southampton, England. Apparatus for flanging and bending metal plates. 1,633,744; June 28.
Huismann, Johann. (See Duisberg, W., Hentrich, Zeh, and Huismann.)
Hunter, Harry G. (See Ash, L. R., Tammen, and Hunter.)
Hunter, William A., West Orange, N. J. Sudatory receptor pad. 1,633,586; June 28.
Hymer, Ralph N., New Berg, Oreg. Comb. 1,633,893; June 28.
I. G. Farbenindustrie Aktiengesellschaft. (See Lüttringhaus, A., Nerresheimer, and Wolff, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nawiasky, P., Zahn, and Saurwein, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Zitscher, A., and Schmitt, assignors.)
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Duplex receptacle. 1,633,868; June 28.
Ilg Electric Ventilating Company. (See Frank, J. M., and Sutcliffe, assignors.)
Imhoff, Max. (See Berg, O., and Imhoff.)
Individual Drinking Cup Co. Inc. (See Dawson, C. F., and Wessman, assignors.)
Ingman, Andrew, Marshfield, Oreg. Adjustable window-sash-fastening device. 1,633,861; June 28.
International Motor Company. (See Froesch, Charles, assignor.)
International Patents Fiscal Corporation. (See Slate, Thomas B., assignor.)
Ireland, George B., and R. T. Soule, assignors to Taylor Instrument Companies, Rochester, N. Y. Receptacle or case for thermometers. 1,634,028; June 28.
Irvin, Russe J., assignor to R. C. Mitchell, Mount Vernon, N. Y. Dishwashing machine. 1,633,669; June 28.
Jacobs, Joseph H., Paxton, Mont. Educational toy. 1,634,194; June 28.
Jacobsohn, Isaak, Spandau, assignor to B. Muller, Gorlitz, Germany. Talking machine. 1,633,745; June 28.
Jaret, Joseph T., Brooklyn, N. Y., assignor to Sun-Ray Lighting Products Co., Inc., New York, N. Y. Lamp. Des. 72,950; June 28.
Jarvis, Frank J. (See Jarvis, Nelson L. and F. J.)
Jarvis, Nelson L. and F. J., Palmer, Mass. Caster. 1,633,638; June 28.
Jenkins, Stanley S. (See Hammond, Robert O., assignor.)
Jerczsek, Viktor, Weissensee, near Berlin, assignor to Stock Motorpflug Aktiengesellschaft, Berlin, Germany. Chain wheel for chain-track drives. 1,633,746; June 28.
Johns, Emory R., Dallas, Tex. Nut encasement. 1,633,639; June 28.
Johnson, Arthur H., Woburn, Mass. Bottle. Des. 72,951; June 28.
Johnson, Carl E., Detroit, Mich. Electric heating apparatus. 1,633,747; June 28.
Johnson, Clarence A., Larimer, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting system. 1,633,943; June 28.
Johnson, James W. (See Showalter, A. E., and Johnson.)
Johnson, Logan, Centerville, Iowa. Loading machine. 1,634,148; June 28.
Johnson, Theodore, Erie, Pa., assignor, by mesne assignments, to Erie City Iron Works. Furnace-fuel-feeding apparatus. 1,633,640; June 28.

Johnston, Benjamin W., Rosedale, Alberta, Canada, assignor of one-half to Berton A. McEwen, Brumheller, Canada. Latch. 1,634,195; June 28.
Johnston, Dryden & Co. (See Smart, Russel S., assignor.)
Jones, George, Flushing, N. Y. Protector for glass and metal door knobs and automobile handles. 1,633,988; June 28.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Method and mechanism for removing centrifuge effluents. 1,634,242; June 28.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Method and mechanism for centrifugal treatment of substances. 1,634,243; June 28.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal separator. 1,634,244; June 28.
Jones, Leo D., and A. U. Ayres, assignors to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine and process involving the use of the same. 1,634,245; June 28.
Jones, Leo D., and A. U. Ayres, assignors to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine and process involving the use of the same. 1,634,246; June 28.
Jones, Lewis, New York, N. Y. Sheet plier. 1,634,196; June 28.
Jones, Richard G., Hynes, Calif. Transmission. 1,633,989; June 28.
Jones, Richard G., Hynes, Calif. Dephlegmator. 1,633,990; June 28.
Jones, Thomas A., Walla Walla, Wash. Power take-off. 1,633,814; June 28.
Kadel, Byers, W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Manufacturing draft yokes. 1,633,670; June 28.
Kaji, Jiro, Vancouver, British Columbia, Canada. Sign-making device. 1,633,703; June 28.
Kalix Cup Company. (See Prudden, Theodore M., assignor.)
Kasch, Frederick C., Akron, Ohio. Roof construction. 1,633,641; June 28.
Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Reenforced baking pan. 1,634,248; June 28.
Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
Keith, Floyd. (See Miller, G. F., and Keith.)
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Electric terminal. 1,633,815; June 28.
Kellogg, Frank W., Reedsport, Oreg. Hairbrush. 1,633,894; June 28.
Kellogg Switchboard and Supply Company. (See Potter, Earl F., assignor.)
Kellogg Switchboard and Supply Company. (See Yanochowski, George A., assignor.)
Kelly, Sherman L., and L. E. Koos, Toledo, Ohio. Engine starter. 1,633,862; June 28.
Kelly, Sherman L., and L. E. Koos, Toledo, Ohio. Engine-starter drive. 1,633,863; June 28.
Kent, George, North Chatham, Mass. Clock-dial game. 1,634,197; June 28.
Kerr, John B., and J. R. Young, Albuquerque, N. Mex. Pneumatic cushion wheel. 1,633,748; June 28.
Keyes Fibre Company. (See Williamson, Bert R., assignor.)
Khetah Corporation. (See Sartakoff, Jack D., assignor.)
Kienzle, Albert E., Cairo, Egypt. Working sugar cane. 1,633,895; June 28.
Kilborn, Karl B., and W. S. Wolfe, assignors to Seiberling Rubber Company, Akron, Ohio. Tire-vulcanizing device. 1,633,587; June 28.
Kinkaid, Charles R., and E. T. Shreve, Rotan, Tex. Valve-actuating mechanism. 1,634,198; June 28.
Kinkead, Charles B., Huntington, W. Va. Device for use with telephones. 1,633,816; June 28.
Klages, Frank E. P., assignor to The Powers Regulator Company, Chicago, Ill. Method of and apparatus for controlling the moisture content of paper. 1,633,817; June 28.
Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Brake mechanism for drill spindles. 1,634,149; June 28.
Kline, Richard E. (See Grace, George G., assignor.)
Klinenberg, Edward, Chicago, Ill. Ice-cream cabinet. 1,633,588; June 28.
Klingelsmith, Stuart L., Alhambra, and F. J. Koepke, Los Angeles, Calif. Collapsible baby carriage. 1,633,864; June 28.
Knocke, Louis T., Waukesha, Wis. Continuous centrifugal casting machine. 1,634,150; June 28.
Koepke, Frederick J. (See Klingelsmith, S. L., and Koepke.)
Kogstrom, Alex W., Upper Darby, assignor of one-half to A. F. H. Scott, Philadelphia, Pa. Filter. 1,633,818; June 28.
Kollsch, Paul. (See Aldendorff, Fritz, assignor.)
Koos, Lawrence E. (See Kelly, S. L., and Koos.)
Koppers Company, The. (See Van Ackeren, Joseph, assignor.)
Koref, Fritz. (See Mayer, M., Finckh, and Koref.)

Korkames, Joe, Temple, Tex. Food container. 1,634,029; June 28.
Korkames, Joe, Temple, Tex. Fishing line. 1,634,030; June 28.
Kovács, Theodor, Meran, Italy. Fountain pen. 1,633,896; June 28.
Kramer, Andrew A., Kansas City, Mo. Tank for dispensing liquids. 1,633,642; June 28.
Kramer, Eugene, Astoria, N. Y. Box. Des. 72,952; June 28.
Kress, Otto, Appleton, Wis., assignor to American Lakes Paper Company, Chicago, Ill. Oil and grease proof paper and container made therefrom. 1,633,787; June 28.
Kuehn, Paul M., assignor to The Bartlett Hayward Company, Baltimore, Md. Centrifugal contact apparatus. 1,634,199; June 28.
Kutzin, Philip, New York, N. Y. Removable stocking supporter for ladies garments. 1,634,071; June 28.
Kyler, Albert H., Westminster, Md. Machine for boxing or casing cans. 1,634,031; June 28.
La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Flat-feed mechanism. 1,634,072; June 28.
Labombarde, Elie W., Nashua, N. H. Reenforced and leak-tight paper box. 1,634,073; June 28.
Labombarde, Harold S., Nashua, N. H. Feeder for sheet material. 1,634,074; June 28.
Lamont, Lewis H., Chicago, Ill. Thermostatically-controlled heating element. 1,633,589; June 28.
Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for vulcanizing rubber. 1,633,590; June 28.
Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for vulcanizing material. 1,633,591; June 28.
Landsiedel, Harry, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Nonprint mechanism for adding machines. 1,633,788; June 28.
Langkop, Theodore F. (See McCarty, E. E., Dicus, and Langkop.)
Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Surveying instrument. 1,633,749; June 28.
Langston, Samuel M., Company. (See Sieg, Karl, assignor.)
Lannon, John D., and R. R. Todd, Pontiac, assignors to General Motors Corporation, Detroit, Mich. Piston. 1,634,151; June 28.
Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Ignition apparatus. 1,633,704; June 28.
Larbalester, Ernest, assignor to Fort William Paper Co., Limited, Fort William, Ontario, Canada. Core-tip-removing machine. 1,633,593; June 28.
Larrowe Construction Company. (See Tressler, Donald K., assignor.)
Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve. 1,634,075; June 28.
Larson, Oscar H. (See Peterson, William J., assignor.)
La Société d'Etudes, Constructions et Applications Mecaniques. (See Lievens, Léon L., assignor.)
Lathrop, Elbert C., Philadelphia, Pa., and T. B. Munroe, Forest Glen, Md., assignors to Dahlberg & Company, Inc., Chicago, Ill. Retted bagasse fiber and producing same. 1,633,594; June 28.
Latrobe Electric Steel Company. (See Giles, David J., assignor.)
Laucks, I. F., Inc. (See Rippey, Hugh F., assignor.)
Lawrence, Edward G. (See Adams, T. C., Noyes, and Lawrence.)
Leblond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
Lee, Charles L., and T. C. Van Degrift, assignors to General Motors Research Corporation, Dayton, Ohio. Malt-casting apparatus. 1,634,152; June 28.
Lee, Charles W., Lock Haven, Pa. Rail-fastening means for railway ties. 1,634,200; June 28.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Generator regulation. 1,633,671; June 28.
Leece-Neville Company. (See Leece, Bennett M., assignor.)
Leoni, Hugo, assignor to Super-Rubber Lining Corporation, New York, N. Y. Necktie and lining therefor. 1,634,032; June 28.
Leppert, Robert C., Chicago, Ill. Concertina or accordion. 1,634,108; June 28.
Lévy, Marcel. (See Terrisse, H., and Levy.)
Lewellen, Darcy, E., Columbus, Ind. Belt splicer. 1,634,033; June 28.
Lewellen, Darcy E., Columbus, Ind. Belt fastener. 1,634,034; June 28.
Lewers & Cooke, Ltd. (See Morris, Raymond L., assignor.)
Lewetzki, Ootto, Detroit, Mich. Boat-propelling device. 1,633,897; June 28.
Lewis, Claude A., assignor to American Window Company, Houston, Tex. Combined sliding and swinging window. 1,633,789; June 28.
Liebeck, Harry, Swarthmore, Pa., assignor to Scott Paper Company. Device for making rolls of paper. 1,633,595; June 28.

Lifton, Samuel H., Brooklyn, N. Y. Brief case. 1,633,991; June 28.
Lievens, Léon L., Nanterre, assignor to La Société d'Etudes, Constructions et Applications Mecaniques, Paris, France. Adjustable-delivery ink container for rotary duplicators. 1,633,596; June 28.
Lindemann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)
Lindequist, Sven, Wilmersdorf, near Berlin, Germany. Explosion engine with four or more working cylinders. 1,634,249; June 28.
Lindsey, George C., Los Angeles, Calif., assignor of seven thirty-seconds to M. Gozzo, one-eighth to D. Eminger, six thirty-seconds to V. P. Hendrick, and nine thirty-seconds to R. Turner. Sounding board for radio receiving sets and phonographs. 1,633,944; June 28.
Lindstrom, Robert S., Chicago, Ill. Cement composition. 1,633,790; June 28.
Lisi, Frank A., Philadelphia, Pa. Combined brush and polisher. 1,633,898; June 28.
Little, Arthur D., Inc. (See Stevenson, Earl P., assignor.)
Locomotive Terminal Improvement Company, The. (See Otis, Spencer, assignor.)
Long, George C., Brooklyn, N. Y. Coupling. 1,634,153; June 28.
Long, Henry N., Roanoke, Va., assignor to W. K. Queen, Needham Heights, Mass. Ratchet flange setter. 1,633,819; June 28.
Long, Thomas J., and J. L. Tuttle, Wellington, Kans. Adjustable trunk-rack camping outfit. 1,633,820; June 28.
Long, William R., St. Louis, Mo. Glue. 1,633,840; June 28.
Loomis, Ormond E., Belmont, assignor to Darlo Company, Boston, Mass. Brush attachment for hose. 1,633,643; June 28.
Loose Seat Valve Company. (See Wilson, Wylie G., assignor.)
Lorenz, C., Aktiengesellschaft. (See Vopel, Johannes, assignor.)
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Dispenser box. 1,633,865; June 28.
Lourens, Cornelis, assignor to Naamlooze Vennootschap Algemeene Norit Maatschappij, known as General Norit Company, Limited, Amsterdam, Netherlands. Treating liquids. 1,634,154; June 28.
Luening, Eugene G., Chicago, Ill. Liquefaction of air and separation into oxygen and nitrogen. 1,634,076; June 28.
Lüttringhaus, Arthur, Mannheim, H. Neresheimer, Ludwigshafen-on-the-Rhine, and H. Wolff, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of condensation products and dyestuffs of the benzanthrone series. 1,633,866; June 28.
MacBean, Thomas L. (See Herrick, E. A., and MacBean.)
MacClatchie, John W., Compton, Calif. Well-drilling apparatus. 1,633,945; June 28.
MacIndoe, John F., East Falls, Philadelphia, Pa. Lubricator. 1,634,109; June 28.
Mackintosh, John, and Sons, Limited. (See Bradwell, Harry, assignor.)
Madden, Bernard J., Duluth, Minn. Box for pouring steel ingots. 1,633,992; June 28.
Mader, Joseph, assignor, by mesne assignments, to New Beeman Tractor Company, Minneapolis, Minn. Traction-machine hitch for seeders. 1,633,821; June 28.
Mahan, Edward D., and J. I. Mahan, Pittsburgh, Pa. Metallic keg. 1,634,035; June 28.
Mahan, James I. (See Mahan, Edward D., and J. I.)
Manhattan Electrical Supply Company. (See Hendry, William F., assignor.)
Manni, Rudolf, Karlsbad, Czechoslovakia. X-ray screen for taking sklagrams. 1,633,706; June 28.
Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Indicating instrument. 1,633,672; June 28.
Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Liquid-level gauge. 1,633,673; June 28.
Marbelite Corporation of America. (See Barkschat, Henry, assignor.)
Margerison, W. H. & A. E., & Co. (See Heitland, Wilmot E., assignor.)
Marsh, Howard E., Lompoc, Calif. Windshield wiper. 1,633,597; June 28.
Martinez, Joe M., Detroit, Mich. Cigarette holder. Des. 72,953; June 28.
Martin, Harold S. (See Gell, P. V. W., Gould, Hampton, and Martin.)
Martin, William H., et al. (See Hansen, John, assignor.)
Mas, George N., Washington, D. C. Bottle. Des. 72,954; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,955; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,956; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,957; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,958; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,959; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,960; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,961; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,962; June 28.
Mas, George N., Washington, D. C. Bottle. Des. 72,963; June 28.
Massolle, Joseph, and J. Engl, Berlin-Grunewald, and H. Vogt, Berlin-Wilmersdorf, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Glow-discharge tube. 1,634,201; June 28.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,633,867; June 28.
Mayer, Max, K. Finckh, and F. Koref, assignors to the Firm Chemische Werke vormals Auergesellschaft m. b. H., Kommanditgesellschaft, Berlin, Germany. Eyeglass. 1,633,946; June 28.
Mayo, Dana H., Detroit, Mich. Baffle for water-tube boilers. 1,634,077; June 28.
McCabe, Hugh, assignor to McCabe Manufacturing Company, Lawrence, Mass. Locomotive boiler. 1,633,993; June 28.
McCabe Manufacturing Company. (See McCabe, Hugh, assignor.)
McCarty, Elbert E., C. C. Dicus, and T. F. Langkop, Bunceton, assignors to O. E. Bradley, Elmo, Mo. Hog conditioner. 1,634,155; June 28.
McClatchie, Stanley, Cambridge, Mass., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Vacuum-cleaner device. 1,633,598; June 28.
McClintock, O. B., Co. (See Adams, T. C., Noyes, and Lawrence, assignors.)
McCommon, Harry C., Altoona, Pa. Measuring instrument. 1,634,156; June 28.
McCullough, Ira J., Huntington Park, Calif. Bearing mounting. 1,633,994; June 28.
McEwen, Berton A. (See Johnston, Benjamin W., assignor.)
McFaull, Malcolm, and A. E. Rideout, assignors to Standard Sealing Equipment Corporation, New York, N. Y. Carton-handling apparatus. 1,634,078; June 28.
McGuiness, Benjamin F., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Auxiliary brake for looms. 1,633,644; June 28.
McIntyre, Patrick J., Detroit, Mich., assignor to Wolverine Tube Company. Radiating device. 1,634,110; June 28.
McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Feed-water-heater arrangement. 1,633,947; June 28.
McKesson, Elmer I., assignor to The Vocophone Company, Toledo, Ohio. Breathing and vocal attachment. 1,633,705; June 28.
McLellan, James H., Vancouver, British Columbia, Canada. Drink-dispensing machine. 1,634,036; June 28.
McQuarrie, Thomas, et al. (See Hansen, John, assignor.)
Meyer, Charles L., assignor to Concrete Engineering Company, Omaha, Nebr. Column clamp. 1,634,111; June 28.
Meyer, Otto W. (See Huber, William, assignor.)
Miller, George F., and F. Keith, Menomonie, Wis.; said Keith assignor to said Miller. Camp stove. 1,633,707; June 28.
Miller, Harry H., assignor to Miller-Smythe Electric Company, Youngstown, Ohio. Power hammer. 1,633,905; June 28.
Miller-Smythe Electric Company. (See Miller, Harry H., assignor.)
Minogue, Roland E., assignor of one-third to H. Vanderwerp, Manitowoc, Wis. Agitator. 1,633,708; June 28.
Minorsky, Nicolas, Philadelphia, Pa., assignor to General Electric Company. System of motor control. 1,633,822; June 28.
Mitchell, Robert C. (See Irvin, Russe J., assignor.)
Modern Utilities Company. (See Frantz, Grover C., assignor.)
Moeller, Max E., Brooklyn, N. Y. Thermometer. 1,633,599; June 28.
Mohn, Rudolf, Sulgen, assignor to W. Muller, Thal, St. Gallen, Switzerland. Machine for closing and sealing envelopes. 1,633,750; June 28.
Molberg, Albin E., Duluth, Minn. Sash adjuster and fastener. 1,633,645; June 28.
Montgomery, Knowlton D., Lansdale, Pa. Grease cup. 1,634,112; June 28.
Moore, Allibelle H., assignor of one-half to V. L. Phillips, Kansas City, Mo. Food product and making same. 1,634,113; June 28.
Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Internal-combustion-engine decarbonizer. 1,633,791; June 28.
Moore, Charles C., San Francisco, Calif. Sulphurizing, dehydrating, and desulphurizing fruit. 1,633,823; June 28.
Moore Inventions Corporation. (See Moore, Arlington, assignor.)
Morel-Révoil, Jules J. H., Paris, France. Safety device for railways. 1,633,906; June 28.
Morris, Raymond L., assignor to Lewers & Cooke, Ltd., Honolulu, Hawaii. Building block. 1,634,157; June 28.
Mortimer, Stockton H., Philadelphia, Pa. Roller clutch. 1,634,202; June 28.

Moushon, Richard S., Peoria Heights, assignor of one-half to W. G. Hiller, Peoria, Ill. Fireworks holder. 1,634,232; June 28.
Muir, Wellington W., Lockport, N. Y. Piston. 1,634,037; June 28.
Muller, Bruno. (See Jacobsohn, Isaak, assignor.)
Muller, Willy. (See Mohn, Rudolf, assignor.)
Munroe, Treadway B. (See Lathrop, E. C., and Munroe.)
Murphy, John J., Norwich, Conn., assignor, by mesne assignments, to Peerless Handcuff Company. Handcuff. 1,634,114; June 28.
Murphy, Robert S., assignor to The Electrograph Company, Detroit, Mich. Printing press. 1,633,600; June 28.
Murray, Thomas E., Brooklyn, N. Y. Radiator. 1,633,601; June 28.
Murray, Thomas E., Brooklyn, N. Y. Boiler. 1,633,674; June 28.
Mutual Electric and Machine Company. (See Frank, Harrison J. L., assignor.)
Myers, Charles E., Vancouver, Wash. Signaling device. 1,633,808; June 28.
Naamlooze Vennootschap Algemeene Norit Maatschappij. (See Lourens, Cornelis, assignor.)
Narrow, Anton H., Memphis, Tenn. Saw gauge. 1,633,996; June 28.
Nathansohn, Alexander, Bad Harzburg, Germany. Producing lead compounds of chromic acids. 1,633,948; June 28.
National Carbon Company. (See Yngve, Victor, assignor.)
National Concrete Metal Forms Corporation. (See Seelye, Elwyn E., assignor.)
National Electric Door Company. (See Petersen, William G., assignor.)
Naugle, John J., Brooklyn, N. Y. Filtering element. 1,633,709; June 28.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, K. Zahn, Hochst-on-the-Main, and K. Saurwein, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of vat dyestuffs. 1,633,997; June 28.
Nelson, Ernst W., Ong, Nebr. Demountable rim. 1,634,203; June 28.
Neresheimer, Heinrich. (See Lüttringhaus, A., Neresheimer, and Wolff.)
Nesbit, Arthur F., Wilkinsburg, Pa. Dust collector. 1,633,602; June 28.
New Beeman Tractor Company. (See Donald, Forrest V., assignor.)
New Beeman Tractor Company. (See Mader, Joseph, assignor.)
Newman, Isidor, New York, N. Y. Key holder. 1,634,115; June 28.
Newton, Henry, Darley, near Derby, England. Trench mortar and the like. 1,633,710; June 28.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nickerson, William H., Brookline, Mass. Foot bearing for shoes. 1,634,116; June 28.
Niedergesaess, Wilhelm, Seattle, Wash. Reversible propeller. 1,633,824; June 28.
Nims, Fayette, Montour Falls, N. Y. Snow shovel. 1,634,204; June 28.
Nishi, Tsunegoro, Tokyo-Fu, Japan. Manufacturing wall boards composed of rice hulls and plaster. 1,634,079; June 28.
Noma Electric Corporation. (See Dam, Henry M., assignor.)
Noyes, Harold O. (See Adams, T. C., Noyes, and Lawrence.)
Nyholm, Peter, Edgewood, Wash. Extension table. 1,633,899; June 28.
Nyholm, Peter, Edgewood, Wash. Rovelving-leaf extension table. 1,633,900; June 28.
Nyman, Alexander, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone device. 1,633,949; June 28.
Nyman, Alexander, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Diaphragm. 1,633,950; June 28.
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Foundry and Manufacturing Co. (See Sharp, William L., assignor.)
Ohlendorf, Emil F., Moline, Ill. Bumper mechanism. 1,633,901; June 28.
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Olgay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Co., Chicago, Ill. Envelope machine. 1,634,080; June 28.
Oliver, Frederick R., Los Angeles, Calif. Coin-controlled actuating mechanism for dispensing machines. 1,633,675; June 28.
Olson, Daniel O. (See Olson, G. E., and Williams.)
Olson, Gus E., and A. J. Williams; said Williams assignor, by mesne assignments, to D. O. Olson, Seattle, Wash. Step ladder. 1,633,902; June 28.
Olson, Raymond E., assignor to Taylor Instrument Companies, Rochester, N. Y. Combined recording and controlling mechanism. 1,634,205; June 28.
Osann, Frederick, Company. (See Sibbald, C. T. A., and Ransom, assignors.)
Otaka Fabric Company. (See Lorenz, William A., assignor.)
Otis, Spencer, Barrington, assignor to The Locomotive Terminal Improvement Company, Chicago, Ill. Automobile bumper. 1,633,603; June 28.
O'Toole, John J., Bellevue, Pa. Floor mat. 1,633,951; June 28.
Owens, John J., Blacksburg, Va. Dishwashing machine. 1,634,038; June 28.
Pacquin, Inc. (See Pogue, George D. and W. V., assignors.)
Page, Herbert E., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Seam opener. 1,634,206; June 28.
Pajeau, Charles H., Glencoe, Ill., assignor to The Toy Tinkers, Inc., Evanston, Ill. Jointed figure toy. Des. 72,964; June 28.
Parenti, Armando, and Giovanni Bolognini, Genoa, Italy. Machine for the manufacture of cork taps. 1,634,040; June 28.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Pattern cylinder for knitting machines. 1,633,676; June 28.
Parkler, Fritz E., Chicago Heights, Ill. Combination clock and scale. 1,634,039; June 28.
Parsch, Maxwell J., Detroit, Mich. Hat stretcher. 1,634,051; June 28.
Patart, Georges L. E., Paris, France. Device for the simultaneous obtainment of the compression and the circulation of gaseous mixtures. 1,633,998; June 28.
Paterson, Orian T. (See Schell, J., and Paterson.)
Pauly, Charles, Port Washington, assignor to Pauly and Pauly Cheese Company, Manitowoc, Wis. Cheese mold. 1,634,041; June 28.
Pauly and Pauly Cheese Company. (See Pauly, Charles, assignor.)
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yieldable giveway for weft-replenishing looms. 1,633,646; June 28.
Peerless Handcuff Company. (See Murphy, John J., assignor.)
Peeters, Henry, Warcoing, Belgium. Typewriter. 1,634,042; June 28.
Pelouze Manufacturing Co. (See Schultz, Frank A., assignor.)
Perrin, Frank N., Detroit, Mich. Protractor drawing instrument. 1,633,903; June 28.
Pete, Clayton F. (See Pete, George M. and C. F.)
Pete, George M and C. F., Toledo, Ohio. Towrope. 1,633,792; June 28.
Petersen, Hans, assignor to W. H. Schafer, Minneapolis, Minn. Collapsible berry box. 1,633,904; June 28.
Petersen, William G., assignor to National Electric Door Company, Portland, Oreg. Door-opening device. 1,634,233; June 28.
Peterson, Pete, Monroe, Wash. Switch-operating mechanism. 1,633,869; June 28.
Peterson, William J., Minot, N. Dak., assignor of one-half to O. H. Larson, Minneapolis, Minn. Cover for timer wires. 1,634,117; June 28.
Philadelphia Drying Machinery Company, The. (See Sibson, Walter W., assignor.)
Phillips, David, Daytona Beach, Fla. Astronomical device. 1,634,207; June 28.
Phillips, Victor L. (See Moore, Allibelle H., assignor.)
Pierce, George, Montreal, Quebec, Canada. Vehicle headlight. 1,634,043; June 28.
Pierce, George, Montreal, Quebec, Canada. Headlight-dipping mechanism. 1,634,044; June 28.
Pierce, Walter H., assignor to Carr Fastener Company, Cambridge, Mass. Fastener stud. 1,634,234; June 28.
Pierson, Robert M. (See Bauman, H. A., and Pierson.)
Pilon, Hector P., Paris, France. Electric relay for radiography. 1,634,208; June 28.
Pines Manufacturing Company. (See Raleigh, James F., assignor.)
Pinet, Andre L. (See Polnaszek, John P., assignor.)
Pogue, George D. and W. V., Mount Vernon, N. Y., assignors to Pacquin, Inc., New York, N. Y. Telephone index. 1,633,952; June 28.
Pogue, Webster V. (See Pogue, George D. and W. V.)
Polnaszek, John P., Minneapolis, assignor of one-half to A. L. Pinet, Robbinsdale, Minn. Grain-car structure. 1,634,118; June 28.
Pondelicek, William P. (See Zoufal, Frank, assignor.)
Pontious, John D., assignor of one-half to L. Pontious, Hammond, Ind. Amusement apparatus. 1,633,751; June 28.
Pontious, Lizzie. (See Pontious, John D., assignor.)
Poole Engineering & Machine Company. (See Davison, Clarence M., assignor.)
Porst, Frederic, Chicago, Ill., assignor to Hardinge Brothers, Inc. Gear pump. 1,633,783; June 28.
Porter, William A., assignor of one-half to W. V. Scanlan, Brisbane, Queensland, Australia. Apparatus for making hollow bends, angles, or such like bodies of concrete or other material. 1,634,045; June 28.
Potter, Earl F., Glencoe, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,633,870; June 28.
Powers Regulator Company, The. (See Klages, Frank E. P., assignor.)

Prescott, Arthur C., East Orange, N. J., assignor to General Electric Company. Reversing controller. 1,633,825; June 28.

Preston, Robert, Mangapapa, Gisborne, New Zealand. Milk appliance for use with milking machines. 1,633,953; June 28.

Prince, Robert K., Westfield, Mass., assignor to Vitamin Food Co., Inc., New York, N. Y. Vitamine food product and method. 1,633,711; June 28.

Procter, Joseph H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Waffle iron. 1,633,954; June 28.

Prudden, Theodore M., Hingham, assignor to Kalix Cup Company, Boston, Mass. Container and cover therefor. 1,633,605; June 28.

Prutzman, Paul W., Los Angeles, assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Revivifying spent adsorbents for oil treatments. 1,633,871; June 28.

Pumphrey, William B., Sequoia, Calif. Filtering device. 1,633,604; June 28.

Purcell, Francis A., Brooklyn, N. Y. Automobile signal device. 1,633,677; June 28.

Putnam, George E., Fullerton, Calif. Valve-seat retainer. 1,634,081; June 28.

Qucen, Walter K. (See Long, Henry N., assignor.)

Rackstraw, Albert V., Los Angeles, Calif. Boring-machine head. 1,633,752; June 28.

Raleigh, James F., assignor to Pines Manufacturing Company, Chicago, Ill. Shutter apparatus for radiators. 1,633,794; June 28.

Ralph, Paul J. (See Alsberg, J., and Ralph.)

Ramos, Jose B., Habana, Cuba. Farming implement. 1,633,905; June 28.

Ranney, Leo, Jacksboro, Tex., assignor to Standard Development Company. Method of and apparatus for recovering oil. 1,634,235; June 28.

Ranney, Leo, Jacksboro, Tex., assignor to Standard Development Company. Method of and apparatus for recovering oil. 1,634,236; June 28.

Ransom, John B. (See Sibbald, C. T. A., and Ransom.)

Ray, Arthur J., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Elapsed-time and zone metering. 1,633,678; June 28.

Ray, Matt, Arkadelphia, Ark. Insect-destroying device. 1,633,753; June 28.

Reece Folding Machine Company. (See Dixon, Walter L., assignor.)

Reiber, Oscar C., West Webster, N. Y. Bird house. 1,634,209; June 28.

Reilly, Alfred F., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Pocket lighter. Des. 72,965; June 28.

Reisz, Eugen, Berlin-Dahlem, Germany. Diaphragmless microphone. 1,634,210; June 28.

Reliance Storage and Warehouse Company. (See Sinclair, Cyril G., assignor.)

Reynolds Spring Company. (See Ile, William, assignor.)

Ribi, Catharina. (See Ribi, Max, assignor.)

Ribi, Max, assignor to C. Ribi, Zurich, Switzerland. Ice-making machine. 1,633,712; June 28.

Rideout, Arthur E. (See McFaull, M., and Rideout.)

Riehl, Robert, St. Louis, Mo. Vehicle wheel. 1,633,606; June 28.

Riesebeck, Curt, Berlin-Friedenau, Germany. Elastic tire. 1,633,999; June 28.

Rigby, Charles, Cincinnati, Ohio. Golf club. 1,634,082; June 28.

Rigg, Gilbert. (See Gepp, H. W., Hey, Rigg, Stevens, and Williams.)

Rippey, Hugh F., assignor to I. F. Laucks, Inc., Seattle, Wash. Producing crackers and the products of said process. 1,633,872; June 28.

Roberts, George D., Hartford, Conn. Condenser for automobile radiators. 1,634,211; June 28.

Robertson, Douglas, Nuriootpa, Australia. Attachment of motor-vehicle road springs. 1,634,158; June 28.

Robinson, Douglas G., Weymouth, assignor of one-half to W. S. Collins, London, England. Electrical fuse. 1,633,955; June 28.

Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,633,679; June 28.

Rodger Ballast Car Company. (See Hoscelt, W. J., and Hindahl, assignors.)

Rodman, Clarence J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Preventing acidity in oils. 1,633,956; June 28.

Rogerson, Grace, assignor of one-third to O. Shank, Jasonville, Ind. Machine spring. 1,634,212; June 28.

Rookwood, James W., Mountain View, Okla. Seeder. 1,634,213; June 28.

Rosat, Charles, Boudry, assignor to Fabriques des Montres Zenith, successeur de Fabriques des Montres Zenith Georges Favre-Tacot & Co., Le Locle, Switzerland. Assembling device for bridges, plates, and the like in timepiece movements, counting mechanisms, and like apparatus. 1,634,214; June 28.

Rose, L. W., et al. (See Weisgerber, Henry D., assignor.)

Rosenbaum, Lester F., assignor to Sam Rosenbaum & Sons Company, Kalamazoo, Mich. Knickerbockers. 1,633,607; June 28.

Rosenbaum, Sam, & Sons Company. (See Rosenbaum, Lester F., assignor.)

Rosenfeld, Louis, assignor to Cherry-Bassett Company, Baltimore, Md. Bottle washing and sterilizing apparatus. 1,634,215; June 28.

Rosin, Florence M., Philadelphia, Pa. Tray. Des. 72,966; June 28.

Ross, Homer B. (See Benham, R. E., and Ross.)

Roučka, Erich, Blansko, Czechoslovakia. Compound system for transmitting a plurality of values. 1,633,713; June 28.

Row, William, Melbourne, Victoria, Australia. Electrical dimmer switch. 1,633,647; June 28.

Ruda Manufacturing Company. (See Boucek, Charles F., assignor.)

Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Alloy. 1,633,826; June 28.

Rusby, Hermann. (See Fletcher, G. H., and Rusby.)

Russell, Robert A., Rustburg, Va. Road scraper. 1,634,216; June 28.

Rutenber, Elwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Timer for electrically-operated devices. 1,634,083; June 28.

Ruths, Johannes, Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Support. 1,634,084; June 28.

Ryan, Commodore D. (See Ryan, Theodore J. and C. D.)

Ryan, Joseph F., Chicago, Ill. Oil-well-regulation method and means. 1,634,085; June 28.

Ryan, Theodore J. and C. D., Los Angeles, Calif. Frictional hinge device. 1,634,052; June 28.

Rylander, Parrish H., et al. (See Rylander, William P., assignor.)

Rylander, William P., assignor of one-third to T. F. Caldwell, Austin, and one-third to P. H. Rylander, San Antonio, Tex. Storage and display apparatus for merchandise. 1,633,907; June 28.

Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle placer for weft-replenishing looms. 1,633,648; June 28.

Sanborn, George H., Malden, Mass. Automatic train-control device. 1,634,119; June 28.

Sartakoff, Jack D., assignor of one-half to Khetah Corporation, New York, N. Y. Signal for fuel-supply systems. 1,633,608; June 28.

Saurwein, Karl. (See Nawiasky, P., Zahn, and Saurwein.)

Scanlan, William V. (See Porter, William A., assignor.)

Schafer, William H. (See Petersen, Hans, assignor.)

Schatz, Herman A. (See Smith, William F., assignor.)

Schell, Jefferson, and O. T. Paterson, Ottawa, Ontario, Canada. Attachment for paper machines. 1,634,159; June 28.

Schimpf, George C., assignor to H. D. Harvey, Baltimore, Md. Dross furnace. 1,634,217; June 28.

Schleicher, Frank J., St. Louis, Mo. Box. Des. 72,967; June 28.

Schleter, George H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fan. 1,633,957; June 28.

Schlosser Brothers. (See Schlosser, John J., assignor.)

Schlosser, John J., assignor to Schlosser Brothers, Frankfort, Ind. Temperature control. 1,633,680; June 28.

Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Radial-flow pump. 1,633,609; June 28.

Schmidt, William F., assignor to The All-Metal Products Company, Wyandotte, Mich. Spring gun. 1,633,795; June 28.

Schmitt, Robert. (See Zitscher, A., and Schmitt.)

Schneider, Alexander M., assignor to G. Sperling, New York, N. Y. Nether garment. 1,633,610; June 28.

Schneider, Hermann. (See Straub, F., and Schneider.)

Schnepp, Louis W., Huntington Beach, assignor to First National Bank of Anaheim, trustee for Snap-O-Stat Company, Anaheim, Calif. Thermostatic valve. 1,633,908; June 28.

Schoeller, Walter. (See Feldt, A., Schoeller, and Borgwardt.)

Schrade, George, Bridgeport, Conn. Ink eraser. 1,634,120; June 28.

Schrader, Ernest C., assignor to Economy Glass Company, Morgantown, W. Va. Goblet or similar article. Des. 72,968; June 28.

Schrott, Robert W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grinding gears. 1,633,958; June 28.

Schuftan, Richard, Wilmersdorf, near Berlin, Germany. Fastener particularly for bandages. 1,633,681; June 28.

Schultz, Frank A., assignor to Pelouze Manufacturing Co., Chicago, Ill. Scale casing. Des. 72,969; June 28.

Schussler, Walter H., Philadelphia, Pa., assignor to Universal Tobacco Machine Company, Newark, N. J. Cigar-band feeding and moistening machine. 1,634,053; June 28.

Schuster, Karl R., Hopatcong, N. J. Concrete mixer. 1,633,682; June 28.

Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose-ester composition. 1,633,683; June 28.

Schwob, Alexandre, Paris, France. Universal and automatic machine tool. 1,633,714; June 28.

Scott, Allison F. H. (See Kogstrom, Axel W., assignor.)

Scott Paper Company. (See Liebeck, Harry, assignor.)

Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Pittsburgh, Pa. Strainer. 1,634,086; June 28.

Sederholm, John E., St. Paul, Minn., assignor to American Hoist & Derrick Co. Interlocking switch mechanism. 1,634,121; June 28.

Seelye, Elwyn E., assignor of one-half to National Concrete Metal Forms Corporation, New York, N. Y. Concrete form for building construction. 1,633,715; June 28.

Seiberling Rubber Company. (See Kilborn, K. B., and Wolfe, assignors.)

Semple, Charles H., Youngstown, assignor to Semple-Lee Processes, Inc., Akron, Ohio. Manufacturing inner tubes. 1,634,160; June 28.

Semple, Charles H., Canton, assignor to Semple-Lee Processes, Inc., Akron, Ohio. Inner tube for automobile tires. 1,634,161; June 28.

Semple-Lee Processes, Inc. (See Semple, Charles H., assignor.)

Sengebusch, Hans, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone-switching apparatus. 1,633,684; June 28.

Shanck, Roy B., Woodside, N. Y., assignor to American Telephone and Telegraph Company. Preventing electrical interference. 1,633,611; June 28.

Shank, Oliver. (See Rogerson, Grace, assignor.)

Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 72,970; June 28.

Sharples Specialty Company, The. (See Jones, Leo D., assignor.)

Sharples Specialty Company, The. (See Jones, L. D., and Ayres, assignors.)

Sheldon, Waldo, Greenwich, Conn. Drilling apparatus. 1,634,087; June 28.

Shore, William E., Staten Island, N. Y. Internal-combustion engine. 1,633,909; June 28.

Short, Albert E., and H. O., and A. Gouge, Rochester, England. Air propeller. 1,633,612; June 28.

Short, Hugh O. (See Short, Albert E. and H. O., and Gouge.)

Showalter, Andro E., and J. W. Johnson, Richvalley, Ind. Shaft-adjusting mechanism. 1,633,910; June 28.

Shreve, Emit T. (See Kinkaid, C. R., and Shreve.)

Sibbald, Charles T. A., and J. B. Ransom, Troy, assignors, by mesne assignments, to Frederick Osann Company, New York, N. Y. Button-sewing machine. 1,633,613; June 28.

Sibbald, Charles T. A., and J. B. Ransom, Troy, assignors, by mesne assignments, to Frederick Osann Company, New York, N. Y. Sewing on buttons. 1,633,614; June 28.

Sibson, Walter W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Hosiery-drying machine. 1,634,237; June 28.

Sickle, Jacob M. (See Westerberg, A. M., and Sickle.)

Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)

Sieg, Karl, Brooklawn, assignor to Samuel M. Langston Company, Camden, N. J. Sheet-feeding mechanism. 1,634,088; June 28.

Siegel, Samuel, New York, N. Y., assignor to Aerovox Wireless Corporation. Connecter for radioreceivers. 1,633,827; June 28.

Silent, Harold C., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Delay circuits for voice-operated devices. 1,633,615; June 28.

Simplex Player Action Co. (See Brown, Theodore P., assignor.)

Sinclair, Cyril G., Toronto, Ontario, Canada, assignor by mesne assignments, to Reliance Storage and Warehouse Company, Detroit, Mich. Washing machine. 1,633,796; June 28.

Sinclair, Cyril G., Toronto, Ontario, Canada, assignor, by mesne assignments, to Reliance Storage and Warehouse Company, Detroit, Mich. Washing machine. 1,634,238; June 28.

Sinclair, Peter S., Holyoke, Mass. Burner for hot-water heaters. 1,633,716; June 28.

Slate, Thomas B., assignor, by mesne assignments, to International Patents Fiscal Corporation, New York, N. Y. Carbonating apparatus. 1,634,089; June 28.

Sloan, Harry E., assignor to The Cushman Chuck Company, Hartford, Conn. Chuck. 1,633,828; June 28.

Small, Adina, New York, N. Y. Table. 1,634,218; June 28.

Smart, Russel S., Ottawa, Ontario, Canada, assignor to Johnston, Dryden & Co., Incorporated, New York, N. Y. Electric heater. 1,634,046; June 28.

Smily, Walter E., and T. Hannah, Pittsburgh, Pa., and M. E. Winans, Irvington, N. J.; said Hannah and Winans assignors to said Smily. Calendar bank. 1,633,873; June 28.

Smith, George I., Los Angeles, Calif. Mold. 1,634,047; June 28.

Smith, Maurice R. (See Wilford, Edward B., assignor.)

Smith, Oliver P., Portland, Oreg. Grain-reducing machine. 1,634,219; June 28.

Smith, William F., assignor of one-half to H. A. Schatz, Ponghkeepsie, N. Y. Exhaust manifold and muffler. 1,634,000; June 28.

Smolczyk, Eduard, Biesdorf-Sud, near Berlin, Germany. Imparting to drying means a large superficial area. 1,633,959; June 28.

Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)

Sokol, Frances, Chelsea, Iowa. Barrette. 1,633,616; June 28.

Soliani, Nabor, assignor to "Ansaldo" Societa Anonima, Genoa, Italy. Internal structure for large submarines with twin-screw propellers. 1,634,220; June 28.

Somerville, Albert A., Flushing, assignor of two-thirds to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Petroleum-oil composition. 1,634,054; June 28.

Soule, Roe T. (See Ireland, G. B., and Soule.)

Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)

Sperling, G. (See Schneider, Alexander M., assignor.)

Staege, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Paper-making device. 1,633,960; June 28.

Standard Development Company. (See Ranney, Leo, assignor.)

Standard Manufacturing Company, The. (See Young, James V., assignor.)

Standard Sealing Equipment Corporation. (See McFaull, M., and Rideout, assignors.)

Star Chandelier Co. (See Boehringer, John A., assignor.)

Star, Wyatt C., Lake Wales, Fla. Flexible-tread wheel. 1,634,048; June 28.

Stark, Charles W., Trenton, N. J. Building structure comprising water receptors. 1,633,685; June 28.

Stark, Rawson E., assignor to The Stibium Products Company, Elyria, Ohio. Making precipitated antimony sulphide. 1,633,754; June 28.

Steele, Roscoe, Rockaway, N. J., assignor to Wirebounds Patents Company. Machine for use in making boxes. 1,634,049; June 28.

Steller, Arthur, assignor to Allsopp Bros., Newark, N. J. Ring. Des. 72,971; June 28.

Stern, Maximilian, New York, N. Y. Diathermic electrode. 1,633,649; June 28.

Stevens, Royale H. (See Gepp, H. W., Hey, Rigg, Stevens, and Williams.)

Stevenson, Earl P., Newton, assignor to Arthur D. Little, Inc., Cambridge, Mass. Producing sodium fluoride. 1,634,122; June 28.

Stibium Products Company, The. (See Stark, Rawson E., assignor.)

Still, Elmer G., Livermore, Calif. Aviation device. 1,634,239; June 28.

Stock Motorpflug Aktiengesellschaft. (See Jereczek, Viktor, assignor.)

Stockade Building System, Inc. (See Hewlett, J. M., and Fuller, assignors.)

Stockholders Syndicate. (See Blumenberg, Henry, jr., assignor.)

Stockman, Maxwell, Kansas City, Mo. Radiator cap. Des. 72,972; June 28.

Stone, Andrew J., Paris, France. Golf tee. 1,633,686; June 28.

Straight, Halver R., Adel, Iowa. Tunnel kiln. 1,633,829; June 28.

Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Chromable azo dyestuffs derived from formaldehyde sulphurous acid and nitrated 1-(azo naphthol)-2-hydroxy-naphthalene-4-sulphonic acid and making same. 1,633,874; June 28.

Sturgis, Herbert M., Kansas City, Mo. Mop. 1,633,830; June 28.

Subert, Josef, Oak Park, Ill. Chimney-draft regulator. 1,633,687; June 28.

Sullivan Machinery Company. (See Blom, Hjalmar T., assignor.)

Sullivan Machinery Company. (See Clapp, Lewis J., assignor.)

Sullivan Machinery Company. (See Halleck, Frank A., assignor.)

Sullivan Machinery Company. (See Halvorsen, Halbert B., assignor.)

Sun-Ray Lighting Products Co. (See Jaret, Joseph T., assignor.)

Superheater Company, The. (See Broido, Benjamin, assignor.)

Superheater Company, The. (See McKee, Neal T., assignor.)

Super-Rubber Lining Corporation. (See Leoni, Hugo, assignor.)

Sutcliffe, Arthur G. (See Frank, J. M., and Sutcliffe.)

Sutton, William S., Rockford, Ill. Rheostat. 1,634,050; June 28.

Swanberg, Floyd L. (See Scoville, Eugene M., assignor.)

Sweeney, Ulysses G., Mount Bullion, Calif. Combined caliper and divider. 1,633,875; June 28.

Sweeting, Earl R., New York, N. Y. Umbrella attachment. 1,633,961; June 28.

Swigert, Ernest G., Portland, Oreg. Cast-steel ladle. 1,633,876; June 28.

Symington Company, The. (See Kadel, Byers W., assignor.)

Taaffe, George R., assignor to United Iron Works, Inc., Joplin, Mo. Adjustable bearing mechanism for drums, sleeves, and the like. 1,633,797; June 28.

Tabulating Machine Company, The. (See Ford, Eugene A., assignor.)

Tagliani, Giovanni, assignor, by mesne assignments, to Chemical Works, formerly Sandoz, Basel, Switzerland. Treating cotton or other threads containing cellulose. 1,633,617; June 28.
Tammen, Henry C. (See Ash, L. R., Tammen, and Hunter.)
Taniguchi, Kumazo, Kingsburg, Calif. Submarine life-saving device. 1,634,055; June 28.
Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Oiling system for internal-combustion engines. 1,634,123; June 28.
Taylor Instrument Companies. (See Ireland, G. B., and Soule, assignors.)
Taylor Instrument Companies. (See Olson, Raymond E., assignor.)
Taylor, James A., Portland, Me. Connecting tubes. 1,633,798; June 28.
Taylor, James H., Oak Park, Ill. Steam boiler. 1,634,056; June 28.
Taylor, James H., Oak Park, Ill. Machine for shaping pipes. 1,634,057; June 28.
Teague, Merwyn C., Jackson Heights, N. Y., assignor to American Rubber Company, East Cambridge, Mass. Thickening and stabilizing latex and product. 1,634,124; June 28.
Teragawa, Takeo, Los Angeles, Calif. Dental vibratory matrix. 1,634,058; June 28.
Teragawa, Takeo, Los Angeles, Calif. Dental vibratory matrix. 1,634,059; June 28.
Terrisse, Henri, and M. Levy, Geneva, Switzerland. Recovering hydrochloric acid. 1,633,877; June 28.
Tesk, John A., Chicago, Ill. Bracket. 1,634,162; June 28.
Texas Company, The. (See Wolcott, Edson R., assignor.)
Thnete, Maximilian W., Denver, Colo. Waste receiver. 1,633,688; June 28.
Thal, Adolph F., Chicago, Ill. Treating soap. 1,633,689; June 28.
Thomas, George E., Philadelphia, Pa. Fermentation apparatus. 1,633,618; June 28.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control device. Re16,663; June 28.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,633,831; June 28.
Timbs, Edward, Los Angeles, assignor to Union Tool Company, Torrance, Calif. Underreamer. 1,634,001; June 28.
Todd, Ralph R. (See Lannon, J. D., and Todd.)
Tom, Willem, Katwijk aan Zee, Netherlands. Composition for impregnating fibrous materials. 1,634,002; June 28.
Tourist Supply Company. (See Gilmore, Lou S., assignor.)
Tournier, Julius C., Schenectady, N. Y., assignor to General Electric Company. Fuse plug. 1,633,832; June 28.
Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Motor controller. 1,633,833; June 28.
Toy Tinkers, Inc. (See Pajeau, Charles H., assignor.)
Toyoda, Kiichiro, Nagoya, Japan. Shuttle-changing apparatus for automatic looms. 1,633,962; June 28.
Tressler, Donald K., Pittsburgh, Pa., assignor to Larrowe Construction Company, Detroit, Mich. Manufacture of betaine hydrochloride, etc. 1,634,221; June 28.
Tressler, Donald K., Pittsburgh, Pa., assignor to Larrowe Construction Company, Detroit, Mich. Preparing betaine hydrochloride. 1,634,222; June 28.
Tri-Ergon Limited. (See Massolle, J., Engl, and Vogt, assignors.)
Trollinger, George M., Shelburn, Oreg. Thermostatic lamp regulator. 1,634,003; June 28.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 1,634,125; June 28.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Turner, Robert, et al. (See Lindsey, George C., assignor.)
Tuthill, J. B. (See Wilsey, Irven H., assignor.)
Tuttle, James L. (See Long, T. J., and Tuttle.)
Twin High Transmission Company. (See Bethune, J., and Van Roo, assignors.)
Tyler, Herbert B., Valparaiso, Ind. Automobile heater. 1,633,717; June 28.
Tyra, F. L. (See Tyra, Rudolph K., assignor.)
Tyra, Rudolph K., assignor to F. L. Tyra, Minneapolis, Minn. Shingle. 1,634,126; June 28.
Uhlik, John L., Los Angeles, Calif. Universal fruit-tree-prop. line support. 1,634,004; June 28.
Union Tool Company. (See Timbs, Edward, assignor.)
United Iron Works, Inc. (See Taaffe, George R., assignor.)
United Shoe Machinery Corporation. (See Frye, Robert P., assignor.)
United States Hoffman Machinery Corporation. (See Page, Herbert E., assignor.)
Universal Tobacco Machine Company. (See Schussler, Walter H., assignor.)
Unwin, Kenneth J., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multiple-needle detector for looms. 1,633,650; June 28.
Unwin, Kenneth J., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weight-controlled detector for looms. 1,633,651; June 28.
Valtulis, Charles, Detroit, Mich. Toothbrush holder. 1,633,834; June 28.
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,633,911; June 28.
Van Degrift, Thomas C. (See Lee, C. L., and Van Degrift.)
Vanderbilt, R. T., Company. (See Somerville, Albert A., assignor.)
Vanderwerp, Henry. (See Minogue, Roland E., assignor.)
Van Roo, Elizabeth F., executrix. (See Bethune, J., and Van Roo.)
Van Roo, Jacob G. (See Bethune, J., and Van Roo.)
Vawter, Charles E., Philadelphia, Pa., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Indicating ohmmeter. 1,633,912; June 28.
Vitamin Food Co. (See Prince, Robert K., assignor.)
Vocophone Company, The. (See McKesson, Elmer I., assignor.)
Vogt, Hans. (See Massolle, J., Engl, and Vogt.)
Vold, Lars H., and K. R. Hammerstrom, Butler, Pa. Spacing mechanism for punching machines. 1,633,718; June 28.
Vopel, Johannes, Berlin, Neukolln, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Carrier-frequency telegraph system. 1,634,060; June 28.
Waddingham, Arthur G., Jackson Heights, assignor to Color Cinema Productions, Inc., New York, N. Y. Photographic transparency and coloring same. 1,633,652; June 28.
Wagner, Norman, Hamilton, Ontario, Canada. Structural-steel joist. 1,634,127; June 28.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling stop motion for looms. 1,633,653; June 28.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Chain control for Axminster looms. 1,633,654; June 28.
Walker, Maurice S., Brookline, Mass. Bottle. Des. 72,973; June 28.
Wallerich, George W., Chicago, Ill. Electrical therapeutic device. 1,633,878; June 28.
Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Hand-operated creasing device. 1,633,655; June 28.
Ward, John, Watauga Falls, N. C. Fence. 1,633,619; June 28.
Warner, William W., Middletown, Ohio. Skater's article. 1,634,001; June 28.
Wass, August, Mellerud, Sweden. Rail joint. 1,633,790; June 28.
Watson, John W. and R. A., Wayne, Pa. Spring boot. 1,634,163; June 28.
Watson, Richard A. (See Watson, John W. and R. A.)
Weaver, Otto T., Dormont, Pa. Toy. 1,634,223; June 28.
Weedon, Hugh H. (See Colley, George F., assignor.)
Weigel, Daniel M., Trenton, N. J., assignor, by mesne assignments to The American Wire Cord Tire Company, Wilmington, Del. Pneumatic tire. 1,633,963; June 28.
Weisgerber, Henry D., Wheeling, W. Va., assignor of one-fourth to V. P. Wendle and one-fourth to L. W. Rose, Dover, Ohio. Roll polisher. 1,634,005; June 28.
Wellert, Anton, Binghamton, N. Y. Vehicle signal. 1,633,964; June 28.
Wendle, V. P., et al. (See Weisgerber, Henry D., assignor.)
Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting system. 1,633,965; June 28.
Wenzel, Henry O., Michigan City, Ind. End gate. 1,634,224; June 28.
Wessman, Edwin G. (See Dawson, C. F., and Wessman.)
Westerberg, Axel M., and J. M. Sickle, New York, N. Y. Knee clamp. 1,634,164; June 28.
Western Electric Company. (See Franks, Clem H., assignor.)
Western Electric Company. (See Hart, Carl D., assignor.)
Western Electric Company. (See Lamplough, Leslie F., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Craig, John F., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Breisch, Edgar W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Arthur L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Falknor, Frank B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fletcher, G. H., and Rusby, assignors.)
Westinghouse Electric & Manufacturing Company. (See Goodwin, Walter C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Johnson, Clarence A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nyman, Alexander, assignor.)
Westinghouse Electric & Manufacturing Company. (See Procter, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rodman, Clarence J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schieter, George H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schrott, Robert W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Weston Electrical Instrument Corporation. (See Vawter, Charles E., assignor.)
Whitehead & Hoag Company, The. (See Day, James C., assignor.)
Wiese, Henry, Anderson, Ind. Airplane. 1,633,719; June 28.
Wilcox, Fred A., La Porte, Ind. Dishwashing device. 1,633,800; June 28.
Wilford, Edward B., Philadelphia, Pa., assignor of one-fourth to M. R. Smith, Kansas City, Mo. Insurance-policy form. 1,634,240; June 28.
Wille, Eduard, Cronenberg, Germany. Screw cutter. 1,633,913; June 28.
Williams, Alfred J. (See Olson, G. E., and Williams.)
Williams, Maude S., Los Angeles, Calif. Electric heating appliance. 1,633,801; June 28.
Williams, Rowland T. D. (See Gepp, H. W., Hey, Rigg Stevens, and Williams.)
Williams, William E., Roosevelt, N. Y. Electric gasoline gauge. 1,634,165; June 28.
Williamson, Bert R., Fairfield, assignor to Keyes Fibre Company, Waterville, Me. Apparatus for molding articles from pulp. 1,634,128; June 28.
Willis, Orvis C., and O. Cox, Cotton Valley, La. Wrist pin. 1,634,166; June 28.
Wilsey, Irven H., assignor to J. B. Tuthill, Chicago, Ill. Pump. 1,633,720; June 28.
Wilson, George A., Greenwood, Miss. Electrical generating apparatus for airplanes. 1,634,167; June 28.
Wilson, William, Brooklyn, N. Y. Compressor apparatus. 1,634,062; June 28.
Wilson, Wylie G., Elizabeth, N. J., assignor to Loose Seat Valve Company, Dover, Del. Nonrevoluble valve. 1,633,690; June 28.
Winans, Milton E. (See Smily, W. E., Hannah, and Winans.)
Winc, William E., Toledo, Ohio. Door mechanism for railway cars. 1,634,225; June 28.
Wirebounds Patents Company. (See Steele, Roscoe, assignor.)
Wolcott, Edson R., Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Aluminum-chloride production. 1,633,835; June 28.
Wolf, Franz, New York, N. Y. Fastener. 1,633,966; June 28.
Wolfe, William S. (See Kilborn, K. B., and Wolfe.)
Wolff, Hugo. (See Lüttringhaus, A., Neresheimer, and Wolff.)
Wolkogon-Wolynski, Paul, Bielefeld, Germany. Cutting machine. 1,633,755; June 28.
Wolverine Tube Company. (See McIntyre, Patrick J., assignor.)
Woodruff, Frank. (See Foster, J. R., and Woodruff.)
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,633,967; June 28.
Wright, Edward S., Glendale, Calif. Rake attachment for lawn mowers. 1,633,802; June 28.
Wüstenhöfer, Julius, Dortmund, Germany. Safety catch for elevators, lifts, or the like. 1,633,836; June 28.
Wutzler, George M., Waukegan, Ill. Coal-spout-operating device. 1,633,914; June 28.
Yanochowski, George A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,633,915; June 28.
Yngve, Victor, South Orange, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,634,006; June 28.
Young, Cecil G., U. S. Army, Dover, N. J. Apparatus for filling containers with explosives. 1,633,656; June 28.
Young, Daniel J., Tacoma, Wash. Refrigeration process and apparatus. 1,634,129; June 28.
Young, Jacob R. (See Kerr, J. B., and Young.)
Young, James V., Rushville, assignor to The Standard Manufacturing Company, Cambridge City, Ind. Folding chair. 1,633,721; June 28.
Youtz, Jesse P., Rio De Janeiro, Brazil, assignor to General Electric Company. Projection lantern. 1,633,837; June 28.
Zahn, Karl. (See Nawiasky, P., Zahn, and Saurwein.)
Zeh, Ludwig. (See Duisberg, W., Hentrich, Zeh, and Huismann.)
Zehmann, Arthur, Rossberg-Beuthen, Germany. Sliding window. 1,633,968; June 28.
Zimmer, Albert E. (See Campbell, A., and Zimmer.)
Zimmerman, Henry R., Topeka, Kans. Light-projecting device. 1,633,838; June 28.
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Simplified hobber. 1,634,130; June 28.
Zint, George, Wapakoneta, Ohio. Lawn-sprinkler bearing assembly. 1,633,879; June 28.
Zitscher, Arthur, and R. Schmitt, Offenbach-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Di-acylacetyl-arylenediamine and making same. 1,634,090; June 28.
Zoufal, Frank, Cicero, assignor of one-half to W. P. Pondelicek, Berwyn, Ill. Hinge. 1,633,916; June 28.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accounting machines, Carrying mechanism for. J. Boyer. 1,634,068; June 28.
Acid, Recovering hydrochloric. H. Terrisse and M. Lévy. 1,633,877; June 28.
Acids, Producing lead compounds of chromic. A. Nathansohn. 1,633,948; June 28.
Adding machines, Nonprint mechanism for. H. Landsiedel. 1,633,788; June 28.
Advertising device. C. N. Harmon and J. P. Dames. 1,633,635; June 28.
Agitator. R. E. Minogue. 1,633,708; June 28.
Air and separation into oxygen and nitrogen, Liquefaction of. E. G. Luening. 1,634,076; June 28.
Air compressor. V. E. Clark. 1,634,093; June 28.
Airplane. G. Figlietti. 1,633,889; June 28.
Airplane. H. Wiese. 1,633,719; June 28.
Airplanes, Electrical generating apparatus for. G. A. Wilson. 1,634,167; June 28.
Alloy. W. E. Ruder. 1,633,826; June 28.
Alloy, Heat-resisting. G. R. Brophy. 1,633,805; June 28.
Aluminum-chloride production. E. R. Wolcott. 1,633,835; June 28.
Amusement apparatus. J. D. Pontious. 1,633,751; June 28.
Animal and bird trap. D. Gonzalez. 1,633,857; June 28.
Antenna arrangement for short-wave apparatus. A. Esau. 1,633,775; June 28.
Antimony sulphide, Making precipitated. R. E. Stark. 1,633,754; June 28.
Appliqué trimming. W. W. Hobe. Des. 72,947–9; June 28.
Ash-handling equipment. F. B. Allen. 1,634,228; June 28.
Astronomical device. D. Phillips. 1,634,207; June 28.
Auto lock. L. R. Fulton. 1,634,099; June 28.
Automatic gate. R. I. Farrell. 1,634,025; June 28.
Automobile body construction. G. Fauser. 1,633,729; June 28.
Automobile brake. W. B. Fageol. 1,633,776; June 28.
Automobile heater. H. B. Tyler. 1,633,717; June 28.
Automobile radiators, Condenser for. G. D. Roberts. 1,634,211; June 28.
Automobile seats, Cushioning means for tiltable. C. C. Davis and G. I. Clarke. 1,633,697; June 28.
Automobile signal device. F. A. Purcell. 1,633,677; June 28.
Aviation device. E. G. Still. 1,634,239; June 28.
Azo dyestuffs derived from formaldehyde sulphurous acid and nitrated 1-(azo-naphthol)-2-hydroxy-naphthalene-4-sulphonic acid and making same, Chromable. F. Straub and H. Schneider. 1,633,874; June 28.
Baffle, Superheater. B. Broido. 1,633,975; June 28.
Baking pan, Reenforced. A. Katzinger. 1,634,248; June 28.
Bandages, Fastener particularly for. R. Schuftan. 1,633,681; June 28.
Bank, Calendar. W. E. Smily, T. Hannah, and M. E. Winans. 1,633,873; June 28.
Barrette. F. Sokol. 1,633,616; June 28.
Bathtub. C. T. E. Gould. 1,633,582; June 28.
Bathtub and shower casing, Combined. F. Fort. Des. 72,942; June 28.
Bearing. C. Froesch. 1,633,580; June 28.
Bearing for railway axle journals. G. F. Endicott and G. H. Goodell. 1,633,852; June 28.
Bearing mounting. I. J. McCullough. 1,633,904; June 28.
Bell, Electric. W. F. Hendry. 1,633,583; June 28.
Belt connecter. G. G. Grace. 1,633,939; June 28.
Belt fastener. D. E. Lewellen. 1,634,034; June 28.
Belt splicer. D. E. Lewellen. 1,634,033; June 28.
Belts, Making laminated. E. F. Hathaway. 1,634,145; June 28.
Berry box, Collapsible. H. Petersen. 1,633,904; June 28.
Betaine hydrochloride, etc., Manufacture of. D. K. Tressler. 1,634,221; June 28.
Betaine hydrochloride, Preparing. D. K. Tressler. 1,634,222; June 28.
Binder, Loose-leaf. C. D. Trussell. 1,634,125; June 28.
Binders, Platform canvas-adjusting mechanism for grain. H. Hartvikson. 1,634,187; June 28.
Bird house. O. C. Reiber. 1,634,209; June 28.
Block: *See*—
  Building block.
Boiler: *See*—
  Locomotive boiler. Steam boiler.

Boiler. F. B. Howell. 1,633,666–7; June 28.
Boiler. T. E. Murray. 1,633,674; June 28.
Boilers, Baffle for water-tube. D. H. Mayo. 1,634,077; June 28.
Boilers, Water-tube bridge-wall baffle for steam. E. J. Franklin. 1,634,139; June 28.
Book, Match. G. F. Clark. 1,634,136; June 28.
Boot, Spring. J. W. and R. A. Watson. 1,634,163; June 28.
Boots and shoes, Machine for removing surplus material from. R. P. Frye. 1,633,855; June 28.
Boring-machine head. A. V. Rackstraw. 1,633,752; June 28.
Bottle. A. H. Johnson. Des. 72,951; June 28.
Bottle. G. N. Mas. Des. 72,954–63; June 28.
Bottle. M. S. Walker. Des. 72,973; June 28.
Bottle washing and sterilizing apparatus. L. Rosenfeld. 1,634,215; June 28.
Box: *See*—
  Berry box. Paper box.
  Dispenser box.
Box. E. Kramer. Des. 72,952; June 28.
Box. F. J. Schleicher. Des. 72,967; June 28.
Boxes, Machine for use in making. R. Steele. 1,634,049; June 28.
Bracelet. A. Eklund. 1,633,575; June 28.
Bracket. J. A. Tesk. 1,634,162; June 28.
Brake: *See*—
  Automobile brake.
Brake mechanism. K. Berger. 1,633,919; June 28.
Brake of the expanding-shoe type. G. Fornaca. 1,633,984; June 28.
Breathing and vocal attachment. E. I. McKesson. 1,633,705; June 28.
Bridge, Bascule. L. R. Ash, H. C. Tammen, and H. G. Hunter. 1,633,565; June 28.
Bridges, plates, and the like in timepiece movements, counting mechanisms, and like apparatus, Assembling device for. C. Rosat. 1,634,214; June 28.
Brief case. S. H. Lifton. 1,633,991; June 28.
Broom, Hearth. H. Broadwood. Des. 72,933; June 28.
Brush and polisher, Combined. F. A. Lisi. 1,633,898; June 28.
Brush, Dynamo. N. R. Haas. 1,633,740; June 28.
Brush, Hair. F. W. Kellogg. 1,633,894; June 28.
Building block. R. L. Morris. 1,634,157; June 28.
Building construction, Concrete form for. E. E. Seelye. 1,633,715; June 28.
Building structure. J. M. Hewlett and R. B. Fuller. 1,633,702; June 28.
Building structure comprising water receptors. C. W. Stark. 1,633,685; June 28.
Bumper. G. C. Geanopulos. 1,633,782; June 28.
Bumper, Automobile. S. Otis. 1,633,603; June 28.
Bumper mechanism. E. F. Ohlendorf. 1,633,901; June 28.
Burner: *See*—
  Sulphur burner.
Buttons, Sewing on. C. T. A. Sibbald and J. B. Ransom. 1,633,614; June 28.
Caliper. H. Coullery. 1,634,019; June 28.
Caliper and divider, Combined. U. G. Sweeney. 1,633,875; June 28.
Caliper, Internal micrometer. P. J. Darlington. 1,633,807; June 28.
Camping outfit, Adjustable trunk-rack. T. J. Long and J. L. Tuttle. 1,633,820; June 28.
Can: *See*—
  Paper can.
Cans, Machine for boxing or casing. A. H. Kyler. 1,634,031; June 28.
Cap, Bathing. H. A. Bauman and R. M. Pierson. Des. 72,926; June 28.
Car, Cupola-charging. J. K. Clutts. 1,633,693; June 28.
Car-door-locking mechanism. A. Campbell and A. E. Zimmer. 1,633,762; June 28.
Car, Railway. H. T. Anderson. 1,634,008; June 28.
Car, Railway dump. W. J. Hoscelt and D. Hindahl. 1,634,107; June 28.
Car structure, Grain-. J. P. Polnaszek. 1,634,118; June 28.
Car, Tank. F. G. Garlick. 1,633,811; June 28.
Cars, Door mechanism for railway. W. E. Wine. 1,634,225; June 28.
Cars, Grain door for freight. N. E. Bray. 1,634,015; June 28.

Cars, Striking plate for. B. F. Faunce and H. C. Dorris. 1,633,934; June 28.
Carbonating apparatus. T. B. Slate. 1,634,089; June 28.
Card-feeding apparatus. E. A. Ford. 1,633,937; June 28.
Carpenter's gauge. J. H. Edmondson. 1,634,178; June 28.
Carriage, Collapsible baby. S. L. Klingelsmith and F. J. Koepke. 1,633,864; June 28.
Carton-handling apparatus. M. McFaull and A. E. Rideout. 1,634,078; June 28.
Case: *See*—
  Brief case.
Caster. N. L. and F. J. Jarvis. 1,633,638; June 28.
Casting apparatus, Metal-. C. L. Lee and T. C. Van Degrift. 1,634,152; June 28.
Casting machine, Continuous centrifugal. L. T. Knocke. 1,634,150; June 28.
Cellulose-ester composition. G. L. Schwartz. 1,633,683; June 28.
Cement composition. R. S. Lindstrom. 1,633,790; June 28.
Centrifugal contact apparatus. P. M. Kuehn. 1,634,199; June 28.
Centrifugal machine and process involving the use of the same. L. D. Jones and A. U. Ayres. 1,634,245–6; June 28.
Centrifugal separator. L. D. Jones. 1,634,244; June 28.
Centrifugal treatment of substances, Method and mechanism for. L. D. Jones. 1,634,243; June 28.
Centrifuge effluents, Method and mechanism for removing. L. D. Jones. 1,634,242; June 28.
Chain ring, Trap-. L. M. Dart and G. G. Harris. 1,634,177; June 28.
Chain track drives, Chain wheel for. V. Jereczek. 1,633,746; June 28.
Chair: *See*—
  Folding chair.
Chandelier. J. A. Boehringer. Des. 72,927; June 28.
Chandelier body, Arm for a. J. A. Boehringer. Des. 72,929; June 28.
Check protector. S. E. Hoffman. 1,634,105; June 28.
Cheese mold. C. Pauly. 1,634,041; June 28.
Chicken feeder. H. C. Badenhop. 1,633,917; June 28.
Chuck. H. E. Sloan. 1,633,828; June 28.
Cigar-band feeding and moistening machine. W. H. Schussler. 1,634,053; June 28.
Cigar lighter. J. H. Cohen. Des. 72,935; June 28.
Cigarette holder. J. M. Martinez. Des. 72,953; June 28.
Circuit breaker. C. Anlborg. 1,633,969; June 28.
Circuits for voice-operated devices, Delay. H. C. Silent. 1,633,615; June 28.
Clamp: *See*—
  Column clamp. Type clamp.
  Knee clamp.
Clock and scale, Combination. F. E. Parkler. 1,634,039; June 28.
Clothesline fastener. F. Alexander. 1,633,722; June 28.
Clutch, Roller. S. H. Mortimer. 1,634,202; June 28.
Coal-spout-operating device. G. M. Wutzler. 1,633,914; June 28.
Coil, Electrical. C. H. Franks. 1,633,577; June 28.
Column clamp. C. L. Meyer. 1,634,111; June 28.
Comb. R. N. Hymer. 1,633,893; June 28.
Commutators, Manufacture of. J. J. Carter. 1,633,922; June 28.
Composite article and forming the same, Flexible. A. L. Brown. 1,633,976; June 28.
Compressor apparatus. W. Wilson. 1,634,062; June 28.
Compressor, Automotive. N. A. Christensen. 1,633,764; June 28.
Compressor, Automotive engine. N. A. Christensen. 1,633,770; June 28.
Compressor-controlling device. C. C. Farmer. 1,633,778; June 28.
Compressor, Direct-drive. N. A. Christensen. 1,633,767; June 28.
Compressor, Engine-driven. N. A. Christensen. 1,633,766; June 28.
Compressor, Front-end. N. A. Christensen. 1,633,771; June 28.
Compressor mounting. N. A. Christensen. 1,633,765; June 28.
Compressor, Multicylinder automotive. N. A. Christensen 1,633,769; June 28.
Compressor or pumping mechanism. F. A. Halleck. 1,633,699; June 28.
Concertina or accordion. R. C. Leppert. 1,634,108; June 28.
Concrete mixer. K. R. Schuster. 1,633,682; June 28.
Concrete or other material, Apparatus for making hollow bends, angles, or such like bodies of. W. A. Porter. 1,634,045; June 28.
Concrete piles or columns, Construction of. A. Hiley. 1,634,231; June 28.
Condensation products and dyestuffs of the benzanthrone series, Manufacture of. A. Lüttringhaus, H. Neresheimer, and H. Wolff. 1,633,866; June 28.
Condenser. E. F. Potter. 1,633,870; June 28.
Condenser. G. A. Yanochowski. 1,633,915; June 28.
Condenser, Electrical. W. A. Bocklus. 1,633,566; June 28.
Conductor support. S. S. Matthes. 1,633,867; June 28.
Container and cover therefor. T. M. Prudden. 1,633,605; June 28.
Container, Food. J. Korkames. 1,634,029; June 28.
Container for fruit-canning apparatus. A. T. Gahan. 1,633,856; June 28.
Container for table service. P. L. Ebarle. Des. 72,936; June 28.
Container for toothpicks, Envelope. G. Doscher. 1,634,096; June 28.
Controller, Reversing. A. C. Prescott. 1,633,825; June 28.
Core-tip-removing machine. E. Larbalester. 1,633,593; June 28.
Cork taps, Machine for the manufacture of. A. Parenti and V. Bolognini. 1,634,040; June 28.
Cotton chopper and weeder. E. W. Beasley. 1,634,010; June 28.
Cotton or other threads containing cellulose, Treating. G. Tagliani. 1,633,617; June 28.
Couplers open, Device for holding the movable jaws of. J. Hojnowski. 1,633,784; June 28.
Coupling: *See*—
  Train-pipe coupling.
Coupling. G. H. Fletcher and H. Rusby. 1,633,935; June 28.
Coupling. G. C. Long. 1,634,153; June 28.
Crackers and the product of said process, Producing. H. F. Rippey. 1,633,872; June 28.
Creasing device, Hand-operated. H. B. Walter. 1,633,655; June 28.
Crookes glass, Colorless. P. V. W. Gell, C. E. Gould, W. M. Hampton, and H. S. Martin. 1,634,182; June 28.
Cup: *See*—
  Grease cup.
Cup carton, Dispensing-. C. F. Dawson and E. G. Wessman. 1,633,983; June 28.
Cushion wheel, Pneumatic. J. B. Kerr and J. R. Young. 1,633,748; June 28.
Cutlery article. D. J. Giles. 1,633,783; June 28.
Cutter: *See*—
  Screw cutter.
Cutter and grinder, Feed. W. E. Fritz. 1,634,026; June 28.
Cutting machine. P. Wolkogon-Wolynski. 1,633,755; June 28.
Cylinders and the like and draining the same, Steam-heated. J. M. Arnot. 1,633,723; June 28.
Dental vibratory matrix. T. Teragawa. 1,634,058–9; June 28.
Dephlegmator. R. G. Jones. 1,633,990; June 28.
Detecting and measuring the uneveness of a surface, Device for. H. Andrew. 1,633,841; June 28.
Detector: *See*—
  Track detector.
Detectormeter. H. H. Duley. 1,633,930; June 28.
Di-acylacetyl-arylenediamine and making same. A. Zitscher and R. Schmitt. 1,634,090; June 28.
Diaphragm. A. Nyman. 1,633,950; June 28.
Dimmer switch, Electrical. W. Row. 1,633,647; June 28.
Disconnecting switch. H. J. Crabbs. 1,633,979; June 28.
Dish or similar article, Vegetable. J. Harrison. Des. 72,944; June 28.
Dishwashing machine. F. A. Bailin. 1,633,803; June 28.
Dishwashing machine. R. J. Irvin. 1,633,669; June 28.
Dishwashing machine. J. J. Owens. 1,634,038; June 28.
Dishwashing machine. F. A. Wilcox. 1,633,800; June 28.
Dispenser box. W. A. Lorenz. 1,633,865; June 28.
Dispensing machines, Coin-controlled actuating mechanism for. F. R. Oliver. 1,633,675; June 28.
Display package. F. G. Fisher. 1,633,779; June 28.
Doll, Poodle-dog. B. L. Henry. 1,634,189; June 28.
Door-holding device. S. Fronrath. 1,634,070; June 28.
Door knobs and automobile handles, Protector for glass and metal. G. Jones. 1,633,988; June 28.
Door-opening device. W. G. Petersen. 1,634,233; June 28.
Double-throw switch. M. Guett. 1,634,185; June 28.
Draft regulator, Chimney-. J. Subert. 1,633,687; June 28.
Draft yokes, Manufacturing. B. W. Kadel. 1,633,670; June 28.
Drafting device. J. O. Fortin. 1,633,628; June 28.
Drafting machine. J. O. Fortin. 1,633,629; June 28.
Drawing instrument, Protractor. F. N. Perrin. 1,633,903; June 28.
Drill spindles, Brake mechanism for. D. C. Klausmeyer. 1,634,149; June 28.
Drilling apparatus. W. Sheldon. 1,634,087; June 28.
Drink-dispensing machine. J. H. McLellan. 1,634,036; June 28.
Dross furnace. G. C. Schimpf. 1,634,217; June 28.
Drums, sleeves, and the like, Adjustable bearing mechanism for. G. R. Taaffe. 1,635,797; June 28.
Dry cell. V. Yngve. 1,634,000; June 28.
Drying means a large superficial area, Imparting to. E. Smolczyk. 1,633,959; June 28.
Dump-bottom extractor. E. J. Carroll. 1,633,570; June 28.
Duplicators, Adjustable-delivery ink container for rotary. L. L. Lievens. 1,633,596; June 28.
Dust collector. A. F. Nesbit. 1,633,602; June 28.
Dyestuffs, Manufacture of vat. P. Nawiasky, K. Zahn, and K. Saurwein. 1,633,997; June 28.
Electric candle cup. J. A. Boehringer. Des. 72,931; June 28.
Electric furnace. J. C. Woodson. 1,633,967; June 28.
Electric heater. A. W. Daniel. 1,633,573; June 28.
Electric heater. R. S. Smart. 1,634,046; June 28.
Electric machines and apparatus, Machine for tightening the insulation applied on winding bars of. E. Haefely. 1,633,741; June 28.

Electric machines, Regulating system for dynamo-. R. E. Doherty. 1,633,808; June 28.
Electric meter and the mounting thereof. F. W. Erickson. 1,634,098; June 28.
Electric-socket cover. J. A. Boehringer. Des. 72,928; June 28.
Electric switch. H. J. L. Frank. 1,633,578; June 28.
Electric terminal. F. C. Kelley. 1,633,815; June 28.
Electric wall-bracket plate. J. A. Boehringer. Des. 72,930; June 28.
Electric wall-bracket plate. J. A. Boehringer. Des. 72,932; June 28.
Electrical conductors, Connecter for. E. R. Barany. 1,634,065; June 28.
Electrical connecter. E. W. Breisch. 1,633,974; June 28.
Electrical distribution, System of. E. M. Bill. 1,633,804; June 28.
Electrical interference, Preventing. R. B. Shanck. 1,633,611; June 28.
Electrically-operated devices, Timer for. E. A. Rutenber. 1,634,083; June 28.
Electrode, Diathermic. M. Stern. 1,633,649; June 28.
Electromagnetic operating means and motor controller employing the same. R. W. Goff. 1,633,812; June 28.
Elevators, lifts, or the like, Safety catch for. J. Wüstenhöfer. 1,633,836; June 28.
End gate. H. O. Wenzel. 1,634,224; June 28.
Endless drier for macaroni. G. Bagnani. 1,634,009; June 28.
Engine: *See*—
Internal-combustion engine. Oil engine.
Engine compressor, Automotive. N. A. Christensen. 1,633,768; June 28.
Engine decarbonizer, Internal-combustion. A. Moore. 1,633,791; June 28.
Engine starter. S. L. Kelly and L. E. Koos. 1,633,862; June 28.
Engine-starter drive. S. L. Kelly and L. E. Koos. 1,633,863; June 28.
Engine-starting apparatus. W. A. Chryst. 1,633,925; June 28.
Engine with four or more working cylinders, Explosion. S. Lindequist. 1,634,249; June 28.
Engine with inclined cylinders, Internal-combustion. G. C. Cappa. 1,634,017; June 28.
Engines, Fuel regulation device for internal-combustion. R. O. Donnelly. 1,633,928; June 28.
Engines, Oiling system for internal-combustion. A. Taub. 1,634,123; June 28.
Envelope machine. A. Olgay. 1,634,080; June 28.
Eraser, Ink. G. Schrade. 1,634,120; June 28.
Exhaust gas heater. C. Forth. 1,633,853; June 28.
Explosives, Apparatus for filling containers with. C. G. Young. 1,633,656; June 28.
Extension table. P. Nyholm. 1,633,899; June 28.
Extension table, Revolving-leaf. P. Nyholm. 1,633,900; June 28.
Extractor: *See*—
Dump-bottom extractor.
Eye- Artificial. R. Greiner. 1,633,986; June 28.
Eye-testing device. E. J. Brown. 1,633,658; June 28.
Eyeglass. M. Mayer, K. Finckh, and F. Koref. 1,633,946; June 28.
Fabric: *See*—
Ornamental fabric.
Fan. G. H. Schieter. 1,633,957; June 28.
Fans, Apparatus for imparting an oscillating motion to rotating. J. N. Gilbert. 1,634,140; June 28.
Farming implement. J. B. Ramos. 1,633,905; June 28.
Fastener. F. Wolf. 1,633,966; June 28.
Fastening device. V. L. Harvey. 1,633,859; June 28.
Faucet, Safety. C. J. Gordon and D. D. Goldberg. 1,633,581; June 28.
Feed mechanism, Flat-. L. E. La Bombard and M. H. Sidebotham. 1,634,072; June 28.
Fence. J. Ward. 1,633,619; June 28.
Fermentation apparatus. G. E. Thomas. 1,633,618; June 28.
Fiber and producing same, Retted bagasse. E. C. Lathrop and T. B. Munroe. 1,633,594; June 28.
Fibers, Weighing. O. Berg and M. Imhoff. 1,634,012; June 28.
Fibrous material, Process and apparatus for digesting or cooking. F. K. Fish, jr. 1,633,734; June 28.
Fibrous materials, Composition for impregnating. W. Tom. 1,634,002; June 28.
Fibrous matters, Boiling. N. K. F. Hanson. 1,634,143; June 28.
Filter. A. W. Kogstrom. 1,633,818; June 28.
Filtering device. W. B. Pumphrey. 1,633,604; June 28.
Filtering element. J. J. Naugle. 1,633,709; June 28.
Fire door. H. D. Barbee. 1,633,757; June 28.
Fire extinguisher, Oil-well-controlled. T. B. Hawley. 1,633,813; June 28.
Fireworks holder. R. S. Moushon. 1,634,232; June 28.
Fishing line. J. Korkames. 1,634,030; June 28.
Flange setter, Ratchet. H. N. Long. 1,633,819; June 28.
Floor mat. J. J. O'Toole. 1,633,951; June 28.
Fluid-pressure-brake system. B. S. Aikman. 1,633,756; June 28.
Fluids, Apparatus for separating. H. T. Groves and J. W. Cushman. 1,633,858; June 28.
Folding chair. J. V. Young. 1,633,721; June 28.
Folding method and product. W. L. Dixon. 1,633,849; June 28.
Food articles, Apparatus for toasting. R. O. Hammond. 1,634,142; June 28.
Food product and making same. A. H. Moore. 1,634,113; June 28.
Forging machine. H. B. Halvorsen. 1,633,742; June 28.
Fruit, Sulphurizing, dehydrating, and desulphurizing. C. C. Moore. 1,633,823; June 28.
Fruit-tree prop-line support, Universal. J. L. Uhlik. 1,634,004; June 28.
Furnace: *See*—
Dross furnace. Electric furnace.
Furnace and ignition means therefor, Oil-burning. J. L. Breese, jr. 1,633,567; June 28.
Furnace for the treatment of pulverulent granular or pulpy material. L. Honigmann and F. Bartling. 1,634,027; June 28.
Furnace-fuel-feeding apparatus. T. Johnson. 1,633,640; June 28.
Fuse, Electrical. D. G. Robinson. 1,633,955; June 28.
Fuse mechanism. H. G. Baxter. 1,633,971; June 28.
Fuse plug. J. C. Tournier. 1,633,832; June 28.
Game. L. Espitallier. 1,633,887; June 28.
Game apparatus. W. A. Felton. 1,634,180; June 28.
Game, Clock-dial. G. Kent. 1,634,197; June 28.
Game of hockey, Apparatus for playing a table. E. O. Brown. 1,634,016; June 28.
Garment, Nether. A. M. Schneider. 1,633,610; June 28.
Garter. M. M. Bear. 1,634,169; June 28.
Gas heater. W. L. Sharp. Des. 72,970; June 28.
Gases, Apparatus for analyzing. J. Alsberg and P. J. Ralph. 1,633,881; June 28.
Gaseous mixtures, Device for the simultaneous obtainment of the compression and the circulation of. G. L. E. Patart. 1,633,998; June 28.
Gasoline gauge, Electric. W. E. Williams. 1,634,165; June 28.
Gate: *See*—
Automatic gate. End gate.
Gauge: *See*—
Carpenter's gauge. Liquid-level gauge.
Gasoline gauge. Saw gauge.
Gearing, Transmission. C. E. F. Ahlm. 1,634,063; June 28.
Gearing, Transmission. C. E. F. Ahlm. 1,634,168; June 28.
Gears, Grinding. R. W. Schrott. 1,633,958; June 28.
Generating system, Electrical. J. T. Fitzsimmons. 1,633,780; June 28.
Generator regulation. B. M. Leece. 1,633,671; June 28.
Glass: *See*—
Crookes glass.
Glass-forming machine and process. O. A. Hanford. 1,633,634; June 28.
Glasses and like vessels, Apparatus for washing. J. H. Hardie. 1,633,662; June 28.
Glove, Baseball. B. J. Craig. 1,633,926; June 28.
Glow-discharge tube. J. Massolle, J. Engl, and H. Vogt. 1,634,201; June 28.
Glue. W. R. Long. 1,633,840; June 28.
Goblet or similar article. E. C. Schrader. Des. 72,968; June 28.
Golf club. C. Rigby. 1,634,082; June 28.
Golf instructor and exerciser, Mechanical. J. Hansen. 1,634,102–3; June 28.
Golf tee. A. J. Stone. 1,633,686; June 28.
Grain-reducing machine. O. P. Smith. 1,634,219; June 28.
Grate bar for fine fuel. H. A. Ellis. 1,633,931; June 28.
Grater. C. B. Hawkins. 1,633,700; June 28.
Grease cup. K. D. Montgomery. 1,634,112; June 28.
Grinder, Portable. M. Castillo. 1,633,885; June 28.
Grinding mills, Release clutch for. J. S. Buckwalter. 1,633,844; June 28.
Gun, Spring. W. F. Schmidt. 1,633,705; June 28.
Hair structure. W. Hepner. 1,634,190; June 28.
Hammer, Power. H. H. Miller. 1,633,995; June 28.
Handcuff. J. J. Murphy. 1,634,114; June 28.
Hat stretcher. M. J. Parsch. 1,634,051; June 28.
Hayfork. H. S. Coleman. 1,634,137; June 28.
Headlight-dipping mechanism. G. Pierce. 1,634,044; June 28.
Headlight, Vehicle. G. Pierce. 1,634,043; June 28.
Heater: *See*—
Automobile heater. Electric heater.
Exhaust-gas heater. Liquid heater.
Heaters, Burner for hot-water. P. S. Sinclair. 1,633,716; June 28.
Heaters, Thermostatic control for domestic and hot-water. J. L. Breese, jr. 1,633,759; June 28.
Heating apparatus, Electric. C. E. Johnson. 1,633,747; June 28.
Heating appliance, Electrical. M. S. Williams. 1,633,801; June 28.
Hinge. E. Flagg. 1,634,181; June 28.
Hinge. F. Zoufal. 1,633,916; June 28.
Hinge device, Frictional. T. J. and C. D. Ryan. 1,634,052; June 28.
Hobber, Simplified. W. F. Zimmermann. 1,634,130; June 28.
Hog conditioner. E. E. McCarty, C. C. Dicus, and T. F. Langkop. 1,634,155; June 28.
Hopper construction. F. B. Allen. 1,633,562; June 28.
Hose, Brush attachment for. O. E. Loomis. 1,633,643; June 28.
Hosiery-drying machine. W. W. Sibson. 1,634,237; June 28.
Hot-water bottle. H. A. Bauman. Des. 72,925; June 28.

House: *See*—
Bird house.
Ice-cream cabinet. E. Klinenberg. 1,633,588; June 28.
Ice-making machine. M. Ribi. 1,633,712; June 28.
Ignition apparatus. P. Brown. 1,634,135; June 28.
Ignition apparatus. R. P. Lansing. 1,633,704; June 28.
Index, Telephone. G. D. and W. V. Pogue. 1,633,952; June 28.
Indicating instrument. L. A. Mapel. 1,633,672; June 28.
Indicator: *See*—
Time-lock indicator.
Indicator. W. Cunliffe. 1,634,176; June 28.
Ingots, Apparatus for compressing. S. S. Ball. 1,633,970; June 28.
Ingots, Box for pouring steel. B. J. Madden. 1,633,992; June 28.
Inner tubes, Manufacturing. C. H. Semple. 1,634,160; June 28.
Insect-destroying device. M. Ray. 1,633,753; June 28.
Insurance-policy form. E. B. Wilford. 1,634,240; June 28.
Internal-combustion engine. E. R. Burtnett. 1,633,931; June 28.
Internal-combustion engine. F. Dürr. 1,633,851; June 28.
Internal-combustion engine. W. E. Shore. 1,633,909; June 28.
Internal-combustion engine, Two cycle-. L. V. Hosford and D. Davison. 1,633,585; June 28.
Iron: *See*—
Waffle iron.
Iron ore, Apparatus for utilizing low-grade. H. H. Hindshaw. 1,633,839; June 28.
Jig, Pulsating. M. S. Hachita. 1,634,101; June 28.
Joint: *See*—
Rail joint.
Railway or tramway rail joint.
Joist, Structural-steel. N. Wagner. 1,634,127; June 28.
Keg, Metallic. E. D. and J. I. Mahan. 1,634,035; June 28.
Key holder. I. Newman. 1,634,115; June 28.
Key machine. H. Beisser. 1,634,133; June 28.
Kiln, Tunnel. H. R. Straight. 1,633,829; June 28.
Kitchenette or cabinet, Tourist's. L. S. Gilmore. Re-16,664; June 28.
Knee clamp. A. M. Westerberg and J. M. Sickle. 1,634,164; June 28.
Knickerbockers. L. F. Rosenbaum. 1,633,607; June 28.
Knitting machines, Pattern cylinder for. W. S. Parker. 1,633,676; June 28.
Ladle, Cast-steel. E. G. Swigert. 1,633,876; June 28.
Lamp. J. T. Jaret. Des. 72,950; June 28.
Lamp regulator, Thermostatic. G. M. Trollinger. 1,634,003; June 28.
Lantern, Projection. J. P. Youtz. 1,633,837; June 28.
Latch. B. W. Johnston. 1,634,195; June 28.
Latch, Door. W. D. Ferris. 1,633,888; June 28.
Latch mechanism. C. F. Boucek. 1,634,013; June 28.
Latex and product, Thickening and stabilizing. M. C. Teague. 1,634,124; June 28.
Lathe, Crank-shaft. W. F. Groene. 1,633,633; June 28.
Legging. H. F. Chester. 1,633,924; June 28.
Light-projecting device. H. R. Zimmerman. 1,633,838; June 28.
Lighting fixture, Christmas decorative. H. M. R. Dam. Des. 72,937–39; June 28.
Liquid-dispensing apparatus. J. R. Foster and F. Woodruff. 1,633,985; June 28.
Liquid heater. F. W. Birtch. 1,633,758; June 28.
Liquid-level gauge. L. A. Mapel. 1,633,673; June 28.
Liquids, Tank for dispensing. A. A. Kramer. 1,633,642; June 28.
Liquids, Treating. C. Lourens. 1,634,154; June 28.
Liquor for treating plant material and producing the same, F. K. Fish, jr. 1,633,737; June 28.
Loading machine. L. Johnson. 1,634,148; June 28.
Lock: *See*—
Auto lock. Loom lock.
Locomotive boiler. H. McCabe. 1,633,993; June 28.
Loom lock. R. B. Early. 1,633,727; June 28.
Looms, Auxiliary brake for. B. F. McGuiness. 1,633,644; June 28.
Looms, Chain control for Axminster. W. H. Wakefield. 1,633,654; June 28.
Looms, Filling stop motion for. W. H. Wakefield. 1,633,653; June 28.
Looms, Multiple-needle detector for. K. J. Unwin. 1,633,650; June 28.
Looms, Shuttle-changing apparatus for automatic. K. Toyoda. 1,633,062; June 28.
Looms, Shuttle placer for weft-replenishing. E. H. Ryon. 1,633,648; June 28.
Looms, Weft-detecting mechanism for drop-box. A. A. Gordon. 1,633,632; June 28.
Looms, Weft detector for. E. R. Holmes. 1,633,636; June 28.
Looms, Weight-controlled detector for. K. J. Unwin. 1,633,651; June 28.
Looms, Yieldable giveway for weft-replenishing. O. V. Payne. 1,633,646; June 28.
Lubricator. C. A. Campbell. 1,633,763; June 28.
Lubricator. J. F. MacIndoe. 1,634,109; June 28.
Machine for closing and sealing envelopes. R. Mohn. 1,633,750; June 28.
Machine spring. G. Rogerson. 1,634,212; June 28.
Machinery foundations. R. B. Grey. 1,633,940; June 28.
Maintenance record. C. Burris. 1,633,724; June 28.
Manifold and muffler, Exhaust. W. F. Smith. 1,634,000; June 28.
Mat: *See*—
Floor mat.
Material, Mechanism for handling. M. E. First. 1,633,627; June 28.
Measuring device, Grade-. G. C. Frantz. 1,633,854; June 28.
Measuring instrument. H. C. McCommon. 1,634,156; June 28.
Merchandise, Storage and display apparatus for. W. P. Rylander. 1,633,907; June 28.
Metal mercapto sulphonic compounds, Heavy. A. Feldt, W. Schoeller, and E. Borgwardt. 1,633,626; June 28.
Metal plates, Apparatus for flanging and bending. G. Hughes. 1,633,744; June 28.
Meter: *See*—
Water meter.
Metering system, Remote. P. A. Borden. 1,633,973; June 28.
Mica onto a fibrous web, Apparatus for transferring. J. Borer. 1,633,622; June 28.
Microphone, Diaphragmless. E. Reisz. 1,634,210; June 28.
Milking machines, Milk appliance for use with. R. Preston. 1,633,953; June 28.
Mixer: *See*—
Concrete mixer.
Mold: *See*—
Cheese mold. Vulcanizing mold.
Mold. G. I. Smith. 1,634,047; June 28.
Mop. H. M. Sturgis. 1,633,830; June 28.
Mop, Wet. W. Hertzberg. 1,633,584; June 28.
Mortar and the like, Trench. H. Newton. 1,633,710; June 28.
Mortising machine. A. V. Edwards. 1,634,097; June 28.
Motor: *See*—
Nonsynchronous motor. Wind motor.
Motor control, System of. N. Minorsky. 1,633,822; June 28.
Motor controller. G. R. Townsend. 1,633,833; June 28.
Motor starter, Synchronous. W. C. Goodwin. 1,633,938; June 28.
Motor-starting system. C. A. Johnson. 1,633,943; June 28.
Motor-starting system. R. J. Wensley. 1,633,965; June 28.
Mowers, Rake attachment for lawn. E. S. Wright. 1,633,802; June 28.
Musical instruments, Pneumatic player mechanism for. T. P. Brown. 1,634,171; June 28.
Mustache, Apparatus for the cut of the. P. L. M. V. Caimels. 1,633,978; June 28.
Nail-sorting device. O. H. Hoyda. 1,634,102; June 28.
Nailing machines, Nail box for. E. Allbert. 1,634,226; June 28.
Necktie and lining therefor. H. Leoni. 1,634,032; June 28.
Needle. E. Dziuk. 1,633,726; June 28.
Needle detectors, Stop for weights of multiple-. A. A. Gordon. 1,633,631; June 28.
Needle detectors, Stop for weights of multiple-. E. R. Holmes. 1,633,637; June 28.
Nipple, Nursing-bottle. A. M. Brown. 1,634,170; June 28.
Nonsynchronous motor. V. A. Fynn. 1,633,891; June 28.
Novelty box. B. Friedman. Des. 72,943; June 28.
Nut encasement. E. R. Johns. 1,633,639; June 28.
Ohmmeter, Indicating. C. E. Vawter. 1,633,912; June 28.
Oil engine. O. A. Banner. 1,634,132; June 28.
Oil, Method of and apparatus for recovering. L. Ranney. 1,634,235–6; June 28.
Oil treatments, Revivifying spent adsorbents for. P. W. Prutzman. 1,633,871; June 28.
Oil-well regulation method and means. J. F. Ryan. 1,634,085; June 28.
Oils and organic solvents, Removing suspended matters from. H. Hey. 1,633,941–2; June 28.
Oils, Preventing acidity in. C. J. Rodman. 1,633,956; June 28.
Oiler, Upper-cylinder. C. C. Bogardus. 1,634,134; June 28.
Omega-aminoalkyl-aminonaphthalenes. W. Duisberg, W. Hentrich, L. Zeh, and J. Huismann. 1,633,929; June 28.
Ornament for garments, Butterfly. E. Danielson. Des. 72,940; June 28.
Ornamented fabric. F. E. Fuhrer. 1,633,630; June 28.
Oven, Coking retort. J. van Ackeren. 1,633,911; June 28.
Packer, Fruit. R. P. Clark. 1,633,571; June 28.
Pad: *See*—
Sudatory receptor pad.
Pan: *See*—
Baking pan.
Paper and container made therefrom, Oil and grease proof. O. Kress. 1,633,787; June 28.
Paper box, Reenforced and leak-tight. E. W. Labombarde. 1,634,073; June 28.
Paper can. R. A. Bennett and A. M. Boothby. 1,633,884; June 28.
Paper, Device for making rolls of. H. Liebeck. 1,633,595; June 28.
Paper machines, Attachment for. J. Schell and O. T. Paterson. 1,634,159; June 28.

Paper-making device. S. A. Staege. 1,633,900; June 28.
Paper, Method of and apparatus for controlling the moisture content of. F. E. P. Klages. 1,633,817; June 28.
Paper pulp, Apparatus and making. F. K. Fish, jr. 1,633,730; June 28.
Paper pulp, Preparing. F. K. Fish, jr. 1,633,736; June 28.
Paving composition, Asphaltic. C. N. Forrest. 1,634,241; June 28.
Pen, Fountain. T. Kovács. 1,633,896; June 28.
Petroleum-oil composition. A. A. Somerville. 1,634,054; June 28.
Phonograph tone arm and resonator. W. T. Carnes 1,633,624; June 28.
Photographic transparency and coloring same. A. G. Wallingham. 1,633,652; June 28.
Pin: *See*—
Wrist pin.
Pipes, Machine for shaping. J. H. Taylor. 1,634,057; June 28.
Pipette. M. Gervais and W. Biron. 1,634,183; June 28.
Piston. G. S. Evans. 1,634,024; June 28.
Piston. J. D. Lannon and R. R. Todd. 1,634,151; June 28.
Piston. W. W. Muir. 1,634,037; June 28.
Piston packing. C. L. Cook. 1,634,018; June 28.
Planing or scarifying mechanism. F. M. Hargrave 1,634,144; June 28.
Plant material, Treating. F. K. Fish, jr. 1,633,731; June 28.
Plate or similar article. A. Hashagen. Des. 72,945; June 28.
Play-ball covering. B. L. Henry. 1,634,146; June 28.
Pocket lighter. A. F. Reilly. Des. 72,965; June 28.
Polisher, Roll. H. D. Weisgerber. 1,634,005; June 28.
Polyolefin glycol and making the same, Ether of. J. G Davidson. 1,633,927; June 28.
Post. H. Barkschat. Des. 72,924; June 28.
Poultry feeder. H. Ahlrichs. 1,633,880; June 28.
Powder puff. J. J. Cosin. 1,634,175; June 28.
Power take-off. T. A. Jones. 1,633,814; June 28.
Power transmissions, Fluid-pressure control for. R. Q. Davis. 1,633,981; June 28.
Press: *See*—
Printing press.
Printing press. R. Adams. 1,633,564; June 28.
Printing press. M. W. Brueshaber. 1,633,091; June 28.
Printing press. R. S. Murphy. 1,633,600; June 28.
Printing presses, Plate holder for. W. C. Fellows. 1,633,810; June 28.
Propeller, Air. A. E. Short, H. O. Short, and A. Gouge. 1,633,612; June 28.
Propeller, Reversible. W. Niedergesaess. 1,633,824; June 28.
Propelling device, Boat-. O. Lewetzki. 1,633,897; June 28.
Protective coating. C. H. Franks. 1,633,576; June 28.
Pulp, Apparatus for molding articles from. B. R. Williamson. 1,634,128; June 28.
Pulp fiber. F. K. Fish, jr. 1,633,738; June 28.
Pulp from fibrous material, Process and apparatus for making. F. K. Fish, jr. 1,633,732; June 28.
Pulp from fibrous material, Process and apparatus for making. F. K. Fish, jr. 1,633,735; June 28.
Pump. C. M. Davison. 1,634,023; June 28.
Pump. I. H. Wilsey. 1,633,720; June 28.
Pump, Gear. F. Porst. 1,633,793; June 28.
Pump mechanism, Oil-. A. F. Frasca. 1,633,781; June 28.
Pump, Radial-flow. H. F. Schmidt. 1,633,609; June 28.
Pumps, Controller for power-driven. B. M. Horter. 1,633,786; June 28.
Punching machines, Spacing mechanism for. L. H. Vold and K. R. Hammerstrom. 1,633,718; June 28.
Radiating device. P. J. McIntyre. 1,634,110; June 28.
Radiator. L. D. Harnett. 1,633,664; June 28.
Radiator. T. E. Murray. 1,633,601; June 28.
Radiator cap. M. Stockman. Des. 72,972; June 28.
Radiator caps, Ornament for. A. Chéron-Duval. Des. 72,934; June 28.
Radiator fans, Self-oiling hub for. R. F. Crawford. 1,633,806; June 28.
Radiator-repair stand. J. R. Alford and L. Alexandes 1,634,227; June 28.
Radiators, Shutter apparatus for. J. F. Raleigh. 1,633,794; June 28.
Radio receiving sets and phonographs, Sounding board for. G. C. Lindsey. 1,633,944; June 28.
Radiography, Electric relay for. H. P. Pilon. 1,634,208; June 28.
Radioreceivers, Connecter for. S. Siegel. 1,633,827; June 28.
Rail joint. A. Wass. 1,633,799; June 28.
Railway or tramway rail joint. E. A. Byrde. 1,633,977; June 28.
Railway ties, Rail-fastening means for. C. W. Lee. 1,634,200; June 28.
Railways, Safety device for. J. J. H. Morel-Révoil. 1,633,906; June 28.
Rat-poison holder. T. Davis. 1,633,982; June 28.
Razor, Safety. H. J. Galsman. 1,633,739; June 28.
Receptacle, Button. J. C. Day. 1,633,725; June 28.
Receptacle, Duplex. W. Ile. 1,633,668; June 28.
Recording and controlling mechanism, Combined. R. E. Olson. 1,634,205; June 28.
Refrigeration process and apparatus. D. J. Young. 1,634,129; June 28.
Regulating system. L. W. Thompson. 1,633,831; June 28.
Regulator: *See*—
Draft regulator. Lamp regulator.
Rheostat. W. S. Sutton. 1,644,050; June 28.
Rim, Demountable. E. W. Nelson. 1,634,203; June 28.
Ring: *See*—
Chain ring.
Ring. A. Steller. Des. 72,971; June 28.
Road scraper. R. A. Russell. 1,634,216; June 28.
Roof construction. F. C. Kasch. 1,633,641; June 28.
Rubber, Method of and apparatus for vulcanizing. L. F. Lamplough. 1,633,590; June 28.
Sash adjuster and fastener. A. E. Molberg. 1,633,645; June 28.
Saw gauge. A. H. Narrow. 1,633,996; June 28.
Sawmill carriage. E. T. Bradford. 1,633,920; June 28.
Scale casing. F. A. Schultz. Des. 72,969; June 28.
Screw cutter. E. Wille. 1,633,913; June 28.
Sealer, Envelope. D. C. Davis. 1,633,698; June 28.
Seam opener. H. E. Page. 1,634,206; June 28.
Secrecy system. L. Espenschied. 1,633,625; June 28.
Seeder. J. W. Rookwood. 1,634,213; June 28.
Seeders, Traction-machine hitch for. J. Mader. 1,633,821; June 28.
Separator: *See*—
Centrifugal separator.
Sewing machine, Button-. C. T. A. Sibbald and J. B. Ransom. 1,633,615; June 28.
Shaft-adjusting mechanism. A. E. Showalter and J. W. Johnson. 1,633,910; June 28.
Sharpeners, Grinder for the cutters of pencil. G. E. Burton. 1,633,845; June 28.
Sheet-feeding mechanism. K. Sieg. 1,634,088; June 28.
Sheet material, Feeder for. H. S. Labombarde. 1,634,074; June 28.
Sheet piler. L. Jones. 1,634,196; June 28.
Shingle. R. K. Tyra. 1,634,126; June 28.
Shingle-abrading machine. C. M. Abbott. 1,633,563; June 28.
Shoes, Foot bearing for. W. H. Nickerson. 1,634,116; June 28.
Shovel: *See*—
Snow shovel.
Sign and producing the same, Display. S. Cornett. 1,634,174; June 28.
Sign, Illuminated. J. Hotchner. 1,633,785; June 28.
Sign-making device. J. Kajl. 1,633,703; June 28.
Sign, Miniature electric advertising. R. E. Benham and H. B. Ross. 1,633,883; June 28.
Signal: *See*—
Vehicle signal.
Signal for fuel-supply systems. J. D. Sartakoff. 1,633,608; June 28.
Signaling device. C. E. Myers. 1,633,868; June 28.
Siren. W. J. Cammack. 1,633,569; June 28.
Skater's article. W. W. Warner. 1,634,061; June 28.
Snow shovel. F. Nims. 1,634,204; June 28.
Soap, Treating. A. F. Thal. 1,633,689; June 28.
Socket terminal. F. C. Chadwick. 1,634,173; June 28.
Sodium fluoride, Producing. E. P. Stevenson. 1,634,122; June 28.
Solutions and the like, Filtration of. J. Blumenfeld. 1,633,621; June 28.
Sorting machines and the like, Perforation-reading device for. E. A. Ford. 1,633,936; June 28.
Sound-reproducing instrument. T. Brewin. 1,633,760; June 28.
Sounding line. E. J. Haynes. 1,633,701; June 28.
Spring: *See*—
Machine spring.
Sprinkler bearing assembly, Lawn-. G. Zint. 1,633,879; June 28.
Stand: *See*—
Radiator-repair stand.
Steam boiler. C. W. Crowell. 1,634,020; June 28.
Steam boiler. J. H. Taylor. 1,634,056; June 28.
Steam boiler, High-pressure. E. A. Hardison. 1,633,663; June 28.
Steam with a chemical constituent, Generating and impregnating. C. A. Brewer. 1,633,568; June 28.
Steel railing. F. Cerny. 1,633,650; June 28.
Steering-gear-centering device. G. F. Colley. 1,633,695; June 28.
Steering-gear reduction. H. Ford. 1,633,890; June 28.
Stencil sheet. A. B. Davis. 1,633,696; June 28.
Stepladder. G. E. Olson and A. J. Williams. 1,633,902; June 28.
Store, Self-serving. J. R. Duffin. 1,633,886; June 28.
Stove, Camp. G. F. Miller and F. Keith. 1,633,707; June 28.
Strainer. E. M. Scoville. 1,634,086; June 28.
String instrument. C. L. Dewey. 1,633,574; June 28.
Stud, Fastener. M. F. Carr. 1,634,230; June 28.
Stud, Fastener. W. H. Pierce. 1,634,234; June 28.
Submarine life-saving device. K. Taniguchi. 1,634,055; June 28.
Submarines with twin screw propellers, Internal structure for large. N. Soliani. 1,634,220; June 28.
Sucker-rod guide, Snap-on. R. R. Bostic. 1,633,843; June 28.
Sudatory receptor pad. W. A. Hunter. 1,633,586; June 28.
Sugar cane, Working. A. E. Kienzle. 1,633,895; June 28.

Sulphur burner. H. Blumenberg, jr. 1,634,092; June 28.
Support. J. Ruths. 1,634,084; June 28.
Supporter for ladies' garments, Removable stocking. P. Kutzin. 1,634,071; June 28.
Surveying instrument. A. Langsner. 1,633,749; June 28.
Switch: *See*—
Dimmer switch. Double-throw switch.
Disconnecting switch. Electric switch.
Switch. U. Feichter. 1,634,179; June 28.
Switch mechanism, Interlocking. J. E. Sederholm. 1,634,121; June 28.
Switch-operating mechanism. P. Peterson. 1,633,869; June 28.
Switching system, Automatic. F. Aldendorff. 1,634,007; June 28.
System for transmitting a plurality of values, Compound. E. Roučka. 1,633,713; June 28.
System of distribution. M. Herklotz. 1,633,860; June 28.
Table: *See*—
Extension table.
Table. A. Small. 1,634,218; June 28.
Talking machine. I. Jacobsohn. 1,633,745; June 28.
Tank and carburetor, Combined. H. Dalton, sr. 1,634,022; June 28.
Telegraph system, Carrier-frequency. J. Vopel. 1,634,060; June 28.
Telephone device. A. Nyman. 1,633,949; June 28.
Telephone equipment. M. D. Garner. 1,633,892; June 28.
Telephone-switching apparatus, Automatic. H. Senge-busch. 1,633,684; June 28.
Telephone system, Automatic. R. W. Engsberg. 1,633,774; June 28.
Telephone system, Semiautomatic or automatic graded-service. G. Heimann. 1,633,987; June 28.
Telephones, Device for use with. C. B. Kinkead. 1,633,816; June 28.
Temperature control. J. J. Schlosser. 1,633,680; June 28.
Therapeutic device, Electrical. G. W. Wallerich. 1,633,878; June 28.
Thermometer. M. E. Moeller. 1,633,599; June 28.
Thermometers, Receptacle or case for. G. B. Ireland and R. T. Soule. 1,634,028; June 28.
Thermostatically-controlled heating element. L. H. Lamont. 1,633,589; June 28.
Ticket, Admission. C. Head. 1,634,188; June 28.
Timbering or bracing system. E. A. Herrick and T. L. MacBean. 1,634,104; June 28.
Time and zone metering, Elapsed-. A. J. Ray. 1,633,678; June 28.
Time-lock indicator. T. C. Adams, H. A. Noyes, and E. G. Lawrence. 1,633,657; June 28.
Timer wires, Cover for. W. J. Peterson. 1,634,117; June 28.
Tire beads, Manufacture of. S. W. Alderfer. 1,633,620; June 28.
Tire, Elastic. C. Riesebeck. 1,633,999; June 28.
Tire, Pneumatic. D. M. Weigel. 1,633,963; June 28.
Tire-vulcanizing device. K. B. Kilborn and W. S. Wolfe. 1,633,587; June 28.
Tires, Inner tube for automobile. C. H. Semple. 1,634,161; June 28.
Tool, Universal and automatic machine. A. Schwob. 1,633,714; June 28.
Tool, Wrecking. J. E. Hoffman. 1,634,191; June 28.
Tooth and bridge work, Artificial. H. D. Chipps. 1,633,660; June 28.
Toothbrush holder. C. Vaitulis. 1,633,834; June 28.
Towel. W. E. Heitland. Des. 72,946; June 28.
Towrope. G. M. and C. F. Pete. 1,633,792; June 28.
Toy. O. T. Weaver. 1,634,223; June 28.
Toy, Educational. J. H. Jacobs. 1,634,194; June 28.
Toy, Figure wheeled. J. A. Ekelund. 1,633,809; June 28.
Toy, Jointed figure. C. H. Pajeau. Des. 72,964; June 28.
Track detector. G. C. Cleveland. 1,633,572; June 28.
Tractor. H. C. Hubbell. 1,633,743; June 28.
Tractor, Four-wheeled. F. V. Donald. 1,633,850; June 28.
Train-control device. T. H. Thomas. Re16,663; June 28.
Train-control device, Automatic. G. H. Sanborn. 1,634,119; June 28.
Train-pipe coupling, Automatic. J. Robinson. 1,633,679; June 28.
Transmission. R. G. Jones. 1,633,989; June 28.
Transmission mechanism, Variable-speed. G. W. Dallimore. 1,634,138; June 28.
Trap: *See*—
Animal and bird trap.
Trap-nest door for poultry. A. R. Hoeft. 1,634,147; June 28.
Tray. F. M. Rosin. Des. 72,966; June 28.
Tread wheel, Flexible-. W. C. Starr. 1,634,048; June 28.
Truck and weigher, Combination. E. L. Byrns. 1,633,761; June 28.
Trucks, Power hoist for dump. R. F. Crawford. 1,633,846; June 28.
Trunk, Automobile. E. A. Arndt. Re16,665; June 28.
Tube: *See*—
Glow-discharge tube.
Tube-cleaning projectile. G. C. Cook and J. A. Coleman. 1,634,094; June 28.
Tubes, Connecting. J. A. Taylor. 1,633,798; June 28.
Tubes, Process and apparatus for forming. A. M. Bates. 1,634,067; June 28.
Tubing and apparatus therefor, Treating. A. M. Bates. 1,634,066; June 28.
Turntable, Transfer. R. Craig. 1,633,980; June 28.
Type clamp, Galley. E. W. Beedle. 1,633,918; June 28.
Typewriter. J. Hilgert. 1,633,665; June 28.
Typewriter. H. Peeters. 1,634,042; June 28.
Umbrella attachment. E. R. Sweeting. 1,633,961; June 28.
Undergarment, Union. A. T. Berry. 1,633,972; June 28.
Underreamer. E. Timbs. 1,634,001; June 28.
Vacuum-cleaner device. S. McClatchie. 1,633,598; June 28.
Valve. O. Larsen. 1,634,075; June 28.
Valve-actuating mechanism. C. R. Kinkaid and E. T. Shreve. 1,634,198; June 28.
Valve, Automatic weight opening. J. W. Casey. 1,633,923; June 28.
Valve, Compressor. H. T. Blom. 1,634,247; June 28.
Valve device, Feed-. C. C. Farmer. 1,633,728; June 28.
Valve device, Retarded release-. C. C. Farmer. 1,633,777; June 28.
Valve, Engine. A. E. Colchester. 1,633,694; June 28.
Valve mechanism. L. J. Clapp. 1,633,692; June 28.
Valve mechanism. L. J. Clapp. 1,633,772; June 28.
Valve, Nonrevoluble. W. G. Wilson. 1,633,690; June 28.
Valve-operating mechanism. E. M. Ballot. 1,633,882; June 28.
Valve, Pump. W. R. Hamilton. 1,634,141; June 28.
Valve-seat retainer. G. E. Putnam. 1,634,081; June 28.
Valve, Thermostatic. L. W. Schnepp. 1,633,908; June 28.
Vanity case. M. C. de Botelho. Des. 72,941; June 28.
Vehicle. E. Curran and J. J. Hickey. 1,634,021; June 28.
Vehicle brake mechanism. J. F. Craig. 1,633,773; June 28.
Vehicle having four-wheel brakes. D. E. Anderson. 1,634,131; June 28.
Vehicle road springs, Attachment of motor-. D. Robertson. 1,634,158; June 28.
Vehicle signal. A. Wellert. 1,633,964; June 28.
Vehicle signal, Motor-. S. L. Brafman. 1,634,014; June 28.
Vehicle speed limit indicating and control means. L. R. Cordray. 1,634,069; June 28.
Vehicle wheel. R. Riehl. 1,633,606; June 28.
Vehicles, Braking of motor and other. P. Hallot. 1,634,186; June 28.
Vehicles, Power-take-up mechanism for motor. R. F. Crawford. 1,633,847; June 28.
Vehicles, Shock absorber for spring. W. G. Cox. 1,634,095; June 28.
Vehicles, Spring suspension of. F. S. Farnsworth. 1,633,933; June 28.
Vehicles, Variable-speed gear for motor. J. Bethune. 1,634,091; June 28.
Ventilating apparatus. J. M. Frank and A. G. Sutcliffe. 1,633,579; June 28.
Ventilator. J. Goldstein. 1,634,184; June 28.
Vitamin food product and method. R. K. Prince. 1,633,711; June 28.
Vulcanizing material, Method of and apparatus for. C. D. Hart. 1,633,592; June 28.
Vulcanizing material, Method of and apparatus for. L. F. Lamplough. 1,633,591; June 28.
Vulcanizing mold. E. Hopkinson. 1,634,106; June 28.
Waffle iron. J. H. Procter. 1,633,954; June 28.
Wall boards composed of rice hulls and plaster, Manufacturing. T. Nishi. 1,634,079; June 28.
Wallet, File. E. F. Ahlquist. 1,634,064; June 28.
Washing machine. C. G. Sinclair. 1,633,796; June 28.
Washing machine. C. G. Sinclair. 1,634,238; June 28.
Waste receiver. M. W. Thaete. 1,633,688; June 28.
Watchcases, Making. I. Dinstman. 1,633,661; June 28.
Water heater arrangement, Feed-. N. T. McKee. 1,633,947; June 28.
Water meter, Irrigating and mining. G. W. Beattie. 1,634,011; June 28.
Weed eradicator. F. K. Carrick. 1,634,172; June 28.
Weighing apparatus with tare weighing, Automatic. B. Boulogne. 1,633,623; June 28.
Well-drilling apparatus. J. W. MacClatchie. 1,633,945; June 28.
Wheel: *See*—
Cushion wheel. Vehicle wheel.
Tread wheel.
Whipping or prodding device. W. Huber. 1,634,193; June 28.
Wind motor. G. R. Bishop. 1,633,842; June 28.
Window barrier. L. Dandridge. 1,633,848; June 28.
Window, Combined sliding and swinging. C. A. Lewis. 1,633,789; June 28.
Window-sash-fastening device, Adjustable. A. Ingman. 1,633,861; June 28.
Window, Sliding. A. Zebmann. 1,633,968; June 28.
Windshield wiper. H. E. Marsh. 1,633,597; June 28.
Wireless receiving system. F. B. Falknor. 1,633,932; June 28.
Wood pulp, Process and apparatus for manufacturing ground. F. K. Fish, jr. 1,633,733; June 28.
Wrapping machine for wrapping or parceling toffee, chocolate, or the like. H. Bradwell. 1,634,229; June 28.
Wrist pin. O. C. Willis and O. Cox. 1,634,166; June 28.
X-ray screen for taking skiagrams. R. Mannl. 1,633,706; June 28.
Zinc-bearing ores and metallurgical products, Treatment of. H. W. Gepp, H. Hey, G. Rigg, R. H. Stevens, and R. T. D. Williams. 1,634,100; June 28.

CLASSIFICATION OF PATENTS

ISSUED JUNE 28, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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